November 9, 2020 Reference No. 8616480

Mr. Charles Post
NYSDEC Central Office
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016

Dear Mr. Post:

Re: 202-218 Morgan Avenue BCP Site (BCP Site #C224133)
Annual Post-Remediation Groundwater Monitoring – 2020
Sent via E-mail

In July 2020, GHD Consulting Services Inc. (GHD) personnel completed the annual post-remediation groundwater monitoring activities at the 202-218 Morgan Avenue New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site located in Brooklyn, Kings County, New York (Figure 1, BCP Site #C224133). This round of monitoring was delayed from its usual May timeframe, with the approval of the NYSDEC, due to the on-going COVID-19 pandemic. Future monitoring events will return to their normally scheduled time-frame. The following is a summary of the findings of the annual monitoring activities, submitted on behalf of Rolling Frito-Lay Sales, LP (Frito-Lay).

1. Groundwater Monitoring Well Sampling Methods

On July 20, 2020, one (1) round of groundwater samples were taken from the five on-Site (MW-1, MW-2R, MW-4, MW-5, and MW-6) and two off-Site (MW-7 and MW-8) groundwater monitoring wells shown on Figure 2. The two off-Site monitoring wells are generally considered upgradient of the Site. Prior to purging the monitoring wells, a headspace volatile organic vapor reading was taken using a photoionization detector (PID), and depth to water measurements were taken using an electronic water level meter for use in calculating static groundwater elevations. Wells were purged using a stainless steel bladder pump with dedicated tubing for each monitoring well. Purging continued until groundwater field parameters (i.e., temperature, conductivity, dissolved oxygen, pH, oxidation reduction potential, and turbidity) stabilized. Groundwater field parameters were recorded using a field calibrated multi-parameter water quality meter equipped with a flow-through cell.

Following purging, the multi-parameter water quality meter was disconnected and groundwater samples were taken using the bladder pump. Samples were collected directly from the dedicated tubing into containers provided by the laboratory, placed in ice-filled coolers, and delivered to Alpha Analytical of Westborough, MA for analysis. In addition, dissolved metals samples were taken from each of the groundwater monitoring wells using the bladder pump and were placed into unpreserved bottles that were filtered by the laboratory. Non-dedicated sampling equipment was decontaminated between sampling locations by washing in an alconox and potable water solution and rinsing with potable water.

Each groundwater sample was analyzed for:

- Target Analyte List (TAL) metals (total) by Environmental Protection Agency (EPA) Methods 6020A and 7470A
- TAL metals (dissolved) by EPA Methods 6020A and 7470A
- Polychlorinated biphenyls (PCBs) by EPA Method 8082A
- Alkalinity by EPA Method 2320B
- Chloride by EPA Method 9251
- Chemical Oxygen Demand (COD) by EPA Method 5220D
- Biological Oxygen Demand (BOD) 5-day by EPA Method 5210B
- Total Organic Carbon (TOC) by EPA Method 9060A
- Target Compound List (TCL) VOCs by EPA Method 8260C (Alpha Analytical subcontracted this analysis to Eurofins)
- Total Organic Halogens (TOX) by EPA Method 9020B (Alpha Analytical subcontracted this analysis to ALS Environmental).

One (1) duplicate sample and one (1) matrix spike/matrix spike duplicate (MS/MSD) sample were taken for quality control purposes from MW-2R and MW-1, respectively. Field sampling logs are included as Attachment B.

Groundwater monitoring well purge water was containerized in a 55-gallon steel drum staged on-Site for proper disposal by Frito-Lay at a later date. Documentation of the off-site disposal of the purge water will be submitted to the NYSDEC under separate cover, once received.

2. Groundwater Monitoring Well Sampling Results

Based on summary data tables included in the Site Management Plan (SMP, Gannett Fleming Engineers, P.C., September 2013), post-remediation baseline groundwater samples for TCL VOCs, TAL metals (total), and TAL metals (dissolved) were taken from each of the groundwater monitoring wells on June 11 and 12, 2013. Post-remediation groundwater sample analytical results for PCBs, alkalinity, chemical oxygen demand, biological oxygen demand, total organic carbon, and total organic halides were not reported in the SMP (Gannett Fleming Engineers, P.C., September 2013) or Final Engineering Report (FER, Gannett Fleming Engineers, P.C., October 2013). Since no post-remediation baseline concentrations were reported for these compounds, groundwater sample analytical data obtained prior to completion of remedial activities at the Site is used as the baseline concentrations for PCBs (samples taken on November 20, 2009) and for alkalinity, chemical oxygen demand, biological oxygen demand, total organic carbon, and total organic halides (samples taken on July 11, 2011). These designated baseline groundwater sample concentrations are used for comparison purposes to assess trends in groundwater quality data.

Depth to water measurements were taken from each of the groundwater monitoring wells prior to purging (Table 1). This information was used to calculate groundwater elevations, which were in turn used to create groundwater contours and infer the presumed groundwater flow direction (Figure 3). Based on the calculated groundwater elevations, it was inferred that groundwater flow at the time of sampling was generally to the southeast, towards the English Kills; however, the Site is likely influenced by tidal activity, which means groundwater elevations and gradients could fluctuate throughout the day.

PID headspace readings were 0.0 parts per million (ppm) except for wells MW-1 (145 ppm), MW-5 (5 ppm), and MW-6 (115.0 ppm). MW-1 was noted as having some odor during purging. There was no field observation noted that correlated with the elevated PID readings in MW-1 and MW-6 and the VOC analytical data did not indicate elevated concentrations compared to historical sampling events.

Groundwater field parameters were recorded during purging using a field calibrated multi-parameter water quality meter equipped with a flow through cell (Table 2). With the exception of the groundwater sample taken from MW-7 (turbidity of 39 NTUs), each of the groundwater samples taken for analysis during this round had turbidities below 10 NTUs.

Laboratory analytical results for groundwater samples are compared to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA ambient water quality standards and guidance values (June 1998 and subsequent addenda) in Table 3. Figures 4, 5, and 6 identify groundwater sample locations and analytes that exceeded Class GA groundwater standards or guidance values for total metals, dissolved metals, and other analytes, respectively. Attachment C includes time series plots for analytes that exceeded applicable groundwater standards and guidance values during at least one sampling event.

During the July 2020 sampling event, the following analytes were identified at concentrations that exceeded applicable groundwater standards or guidance values:

- chloride (MW-1, MW-2R, MW-4, MW-5, MW-6, MW-8, and MW-2R Duplicate)
- dissolved iron (MW-2R)
- dissolved magnesium (MW-2R, MW-5, and MW-2R Duplicate)
- dissolved manganese (MW-1, MW-2R, MW-4, MW-6, MW-7, MW-8, and MW-2R Duplicate)
- dissolved nickel (MW-7)
- dissolved sodium (all samples)
- total antimony (MW-6)
- total arsenic (MW-6)
- total cadmium (MW-6)
- total chromium (MW-6 and MW-7)
- total copper (MW-6)
- total iron (all samples)
- total lead (MW-6)

- total magnesium (MW-2R, MW-5, MW-6, and MW-2R Duplicate)
- total manganese (MW-1, MW-2R, MW-4, MW-6, MW-7, MW-8, MW-2R Duplicate)
- total mercury (MW-6)
- total nickel (MW-6 and MW-7)
- total sodium (all samples)
- total zinc (MW-6)
- total PCBs (MW-1, MW-4, and MW-6)
- methyl tert-butyl ether (MTBE) (MW-1, MW-4, and MW-6)
- cis-1,2-dichloroethene (MW-7)
- vinyl chloride (MW-1).

3. Summary

3.1 Volatile Organic Compounds (VOCs)

Based on laboratory analytical results, the historically detected VOC in groundwater samples taken from on-Site monitoring wells is MTBE, concentrations of which exceeded the applicable groundwater standard during this sampling event, with the exception of the samples taken from MW-2R and MW-5. The previously identified increasing trends for MTBE in samples taken from on-Site monitoring wells MW-1 and MW-4 appears to have stabilized. This trend will continue to be evaluated during future monitoring events.

Historical analytical results of samples taken from off-site (upgradient) groundwater monitoring well MW-7 generally identified the highest concentrations of VOCs, including tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (DCE), and vinyl chloride (VC). During this round of sampling, the previously identified off-site decreasing trends in concentrations of these analytes continued and DCE was the only analyzed for VOC detected above Class GA standards in the sample taken from MW-7. TCE and benzene were the only other analyzed for VOCs detected above laboratory method detection limits in the sample taken from MW-7, the concentrations of which were below the Class GA standards.

To date, PCE and TCE have not been detected at concentrations above Class GA standards in samples taken from on-Site monitoring wells. DCE and VC detections in samples taken from on-Site wells are generally limited to samples taken from MW-1 and MW-2R (VC only). Concentrations of DCE and VC detected in samples taken from MW-1 have fluctuated over time but have exceeded groundwater standards beginning in May 2017 (DCE) and May 2014 (VC). Identified concentrations of VC in samples taken from MW-2R have been below groundwater standards since May 2016, with the most recent two rounds of sampling identifying non-detect concentrations. Comparison of the historical data for PCE, TCE, DCE, and VC in samples taken from MW-7 to on-Site sample data shows a decreasing trend in concentrations for both MW-7 and MW-1, which could indicate that a potential off-site (upgradient) source of chlorinated VOCs that is impacting the northwestern portion of the Site may be degrading. These trends will continue to be monitored during future sampling events; however, it is anticipated that the decreasing trends should continue.

3.2 Total and Dissolved Metals

Exceedances of groundwater standards for metals are consistently identified in total and dissolved samples taken from the on-Site and off-site monitoring wells. The most commonly identified exceedances for total metals include iron (all samples); magnesium (4 of 8 samples); manganese (7 of 8 samples); and sodium (all samples). The most commonly identified exceedances for dissolved metals include manganese (7 of 8 samples), magnesium (3 of 8 samples), and sodium (all samples).

Concentrations of these commonly identified analytes in both total and dissolved samples have indicated fluctuations compared to historic results, with minor increases and/or decreases identified for certain analytes, and generally remain above groundwater standards. The elevated iron concentrations could be naturally occurring since the upgradient off-site groundwater samples have elevated concentrations (both total and dissolved) which, at times, are greater than the on-Site concentrations. The elevated sodium concentrations, and possibly manganese, are not unexpected due to the Site's proximity to the English Kills, which likely contains brackish water that could impact the Site groundwater quality through tidal influences. As additional groundwater data is collected, further interpretation will determine if increasing or decreasing trends for these metals can be identified.

The total manganese concentration identified in the sample taken from MW-4 during this round exceeded the applicable groundwater standard for the fourth sampling event in a row; however, the detected concentrations appear to be stabilizing at the elevated concentrations. The total magnesium concentration identified in the sample taken from MW-4 during this round, which was below groundwater standards, also indicates development of a potentially stabilizing trend over recent monitoring events. Total magnesium and total manganese concentrations in other on-Site and off-site wells have historically exceeded standards, at least periodically, and are occasionally identified at concentrations greater than those identified in the sample taken from MW-4 during this monitoring event. The trend of total magnesium and total manganese concentrations in samples taken from MW-4, and other, Site monitoring wells will be evaluated further during future monitoring events.

Occasional exceedances have been identified for other metals in samples taken from on-Site monitoring wells, but the exceedances may not be consistent with historical data. During this monitoring event, the following identified metals concentrations in the sample taken from MW-6 fall into this category:

- total antimony (37.71 ug/L, versus the standard of 3 ug/L)
- total arsenic (167.7 ug/L, versus the standard of 25 ug/L)
- total cadmium (7.26 ug/L, versus the standard of 5 ug/L)
- total chromium (85.98 ug/L, versus the standard of 50 ug/L)
- total copper (656.4 ug/L, versus the standard of 200 ug/L)
- total mercury (4.31 ug/L, versus the standard of 0.7 ug/L)
- total nickel (140.7 ug/L, versus a standard of 100 ug/L)
- total zinc (3,089 ug/L, versus the standard of 2,000 ug/L)

It is noted that the dissolved sample concentrations for the above metals did not exceed applicable standards in sample MW-6 or any of the samples analyzed during this monitoring event (except for nickel in off-site well MW-7 which is consistent with historical data). Based on a comparison of the total and dissolved data and the concentrations of the other naturally occurring compounds, it would appear that a solid particle may have been entrained in the MW-6 sample. The above noted exceedances will be reviewed during future monitoring events to determine if discernible trends are developing.

In addition, samples taken from off-site well MW-7 have consistently identified exceedances for total and dissolved nickel, which have exhibited a slightly increasing trend over time. On-site monitoring wells have also consistently identified total and dissolved nickel concentrations; however, the only identified exceedance to date has been for total nickel in the sample taken from MW-6 during this monitoring event. Total and dissolved nickel concentrations in samples taken from on-Site and off-site wells will continue to be monitored for developing trends, if any.

The sample taken from off-Site well MW-7 also had chromium detected at concentrations that exceeded the standard in the total metals sample (147.7 ug/L, versus a standard of 50 ug/L) but the concentration in the dissolved sample did not exceed standards.

3.3 Other Analytes

The annual 2020 sampling event identified exceedances of groundwater standards for total PCBs in 3 of the 8 samples taken (MW-1, MW-4 and MW-6). In general, the concentrations identified during this monitoring event are of lesser or similar concentrations to those historically identified, with the exception of MW-6, which is the highest identified concentration to date. As noted earlier, it is possible that a solid particle may have been entrained in the MW-6 sample impacting the analytical results. The PCB analytical results of samples taken from Site monitoring wells will continue to be reviewed during future sampling events to determine if discernable trends are evident.

The other commonly occurring analyte detected above groundwater standards during the July 2020 sampling event was chloride, which exceeded the applicable standard in every groundwater sample, except MW-7. These elevated chloride concentrations are not unexpected due to the Site's proximity to English Kills, which likely contains brackish water that could impact the Site groundwater quality through tidal influences.

4. Conclusions

In general, there are no discernible consistent trends in concentrations of detected compounds in on-Site wells that would be indicative of a need for further assessment or further action at this time. Based on historical data, it appears that the total metals concentrations may be influenced by sample turbidity. In addition, chloride, sodium and manganese concentrations could be influenced by the Site's proximity to English Kills, which likely contains brackish water that could impact the Site groundwater quality through tidal influences.

The concentrations of MTBE in samples taken from on-Site wells should continue to be assessed during future monitoring events.

Chlorinated VOCs data for samples taken from off-site well MW-7 may be indicative of an off-site source that is degrading. Although some on-Site impacts have been detected, the identified concentrations appear to be decreasing and are expected to continue to do so based on recent concentrations identified in samples taken from MW-7. Additional rounds of monitoring data will need to be reviewed in order to determine potential impacts to Site groundwater quality and if additional measures are warranted.

The elevated PID readings in MW-1 and MW-6 will be assessed during future monitoring events. The elevated readings may be an anomaly as historical events have not recorded elevated PID readings.

After collection of the next round of groundwater samples, which is scheduled for May 2021, the data will be reviewed to determine if discernible trends (decreasing or increasing) can be identified. Based on this review, recommended modifications to future monitoring requirements will be evaluated and reviewed with Frito-Lay and the NYSDEC.

Please contact me at 315-802-0312, or Damian Vanetti at 315-802-0340, if you have questions or require additional information.

Sincerely,

GHD Consulting Services Inc.

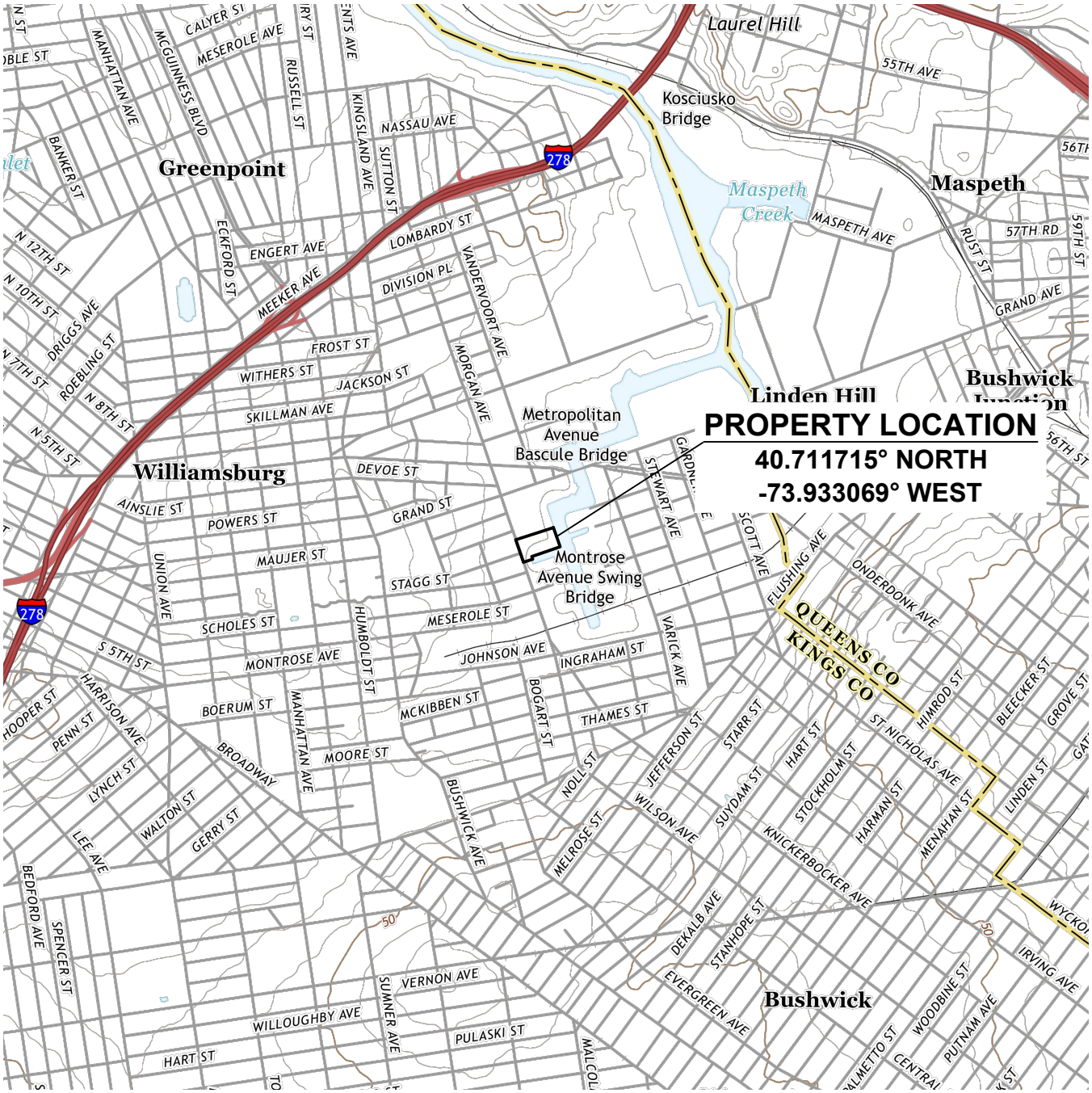
Ian E. McNamara
Geologist – Environment

IEM/tac

Encl. Figure 1 – Site Location Map
Figure 2 – Site Layout
Figure 3 – Groundwater Elevation and Flow Direction
Figure 4 – Exceedances of Groundwater Standards – Total Metals
Figure 5 – Exceedances of Groundwater Standards – Dissolved Metals
Figure 6 – Exceedances of Groundwater Standards – Other Analytes
Table 1 – Groundwater Elevation Data
Table 2 – Groundwater Field Parameter Data
Table 3 – Summary of Groundwater Sample Laboratory Analytical Results
Attachment A – Laboratory Analytical Report
Attachment B – Groundwater Field Sampling Logs
Attachment C – Time Series Plots

cc: Clint Palmer – Frito-Lay (w/encs.)
Cedric Robinson – Frito-Lay (w/encs.)

Figures



QUADRANGLE LOCATION

CONTOUR INTERVAL: 10 FEET

MAP TAKEN FROM: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE:
BROOKLYN, NY (2019)
(U.S. GEOLOGICAL SURVEY WEBSITE)

0 1000 2000 3000 4000'

SCALE 1"=2000' AT ORIGINAL SIZE

N

GHD

Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)

SITE LOCATION MAP

Project No. **86-16480**
Report No. **-**
Date **08.05.2020**

FIGURE 1

Filename: G:\86\16480\Annual Groundwater Sampling\2020 Annual\Figures\Figure 1 - Site Location Map.dwg
Plot Date: 5 August 2020 - 3:54 PM

NOTES:
1. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.

N

0 30 60 90 120'

SCALE 1"=60' AT ORIGINAL SIZE

GHD

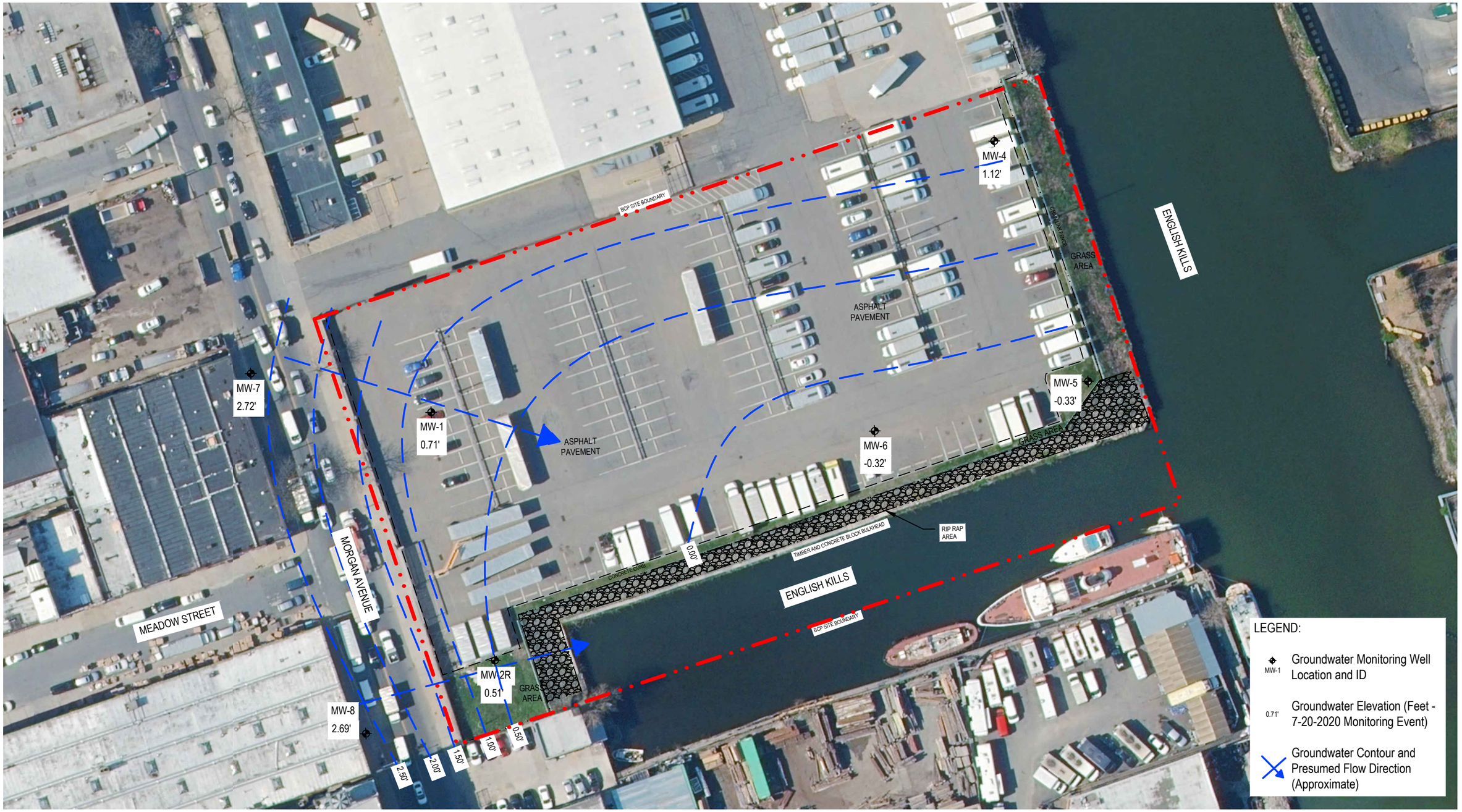
Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)

SITE LAYOUT MAP

Project No. **86-16480**
Report No. **-**
Date **08.05.2020**

FIGURE 2

Filename: G:\86\16480\Annual Groundwater Sampling\2020 Annual\Figures\Figure 2 - Site Layout Map.dwg
Plot Date: 5 August 2020 - 3:56 PM



NOTES:
1. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
2. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.

N

0 30 60 90 120'

SCALE 1"=60' AT ORIGINAL SIZE

GHD

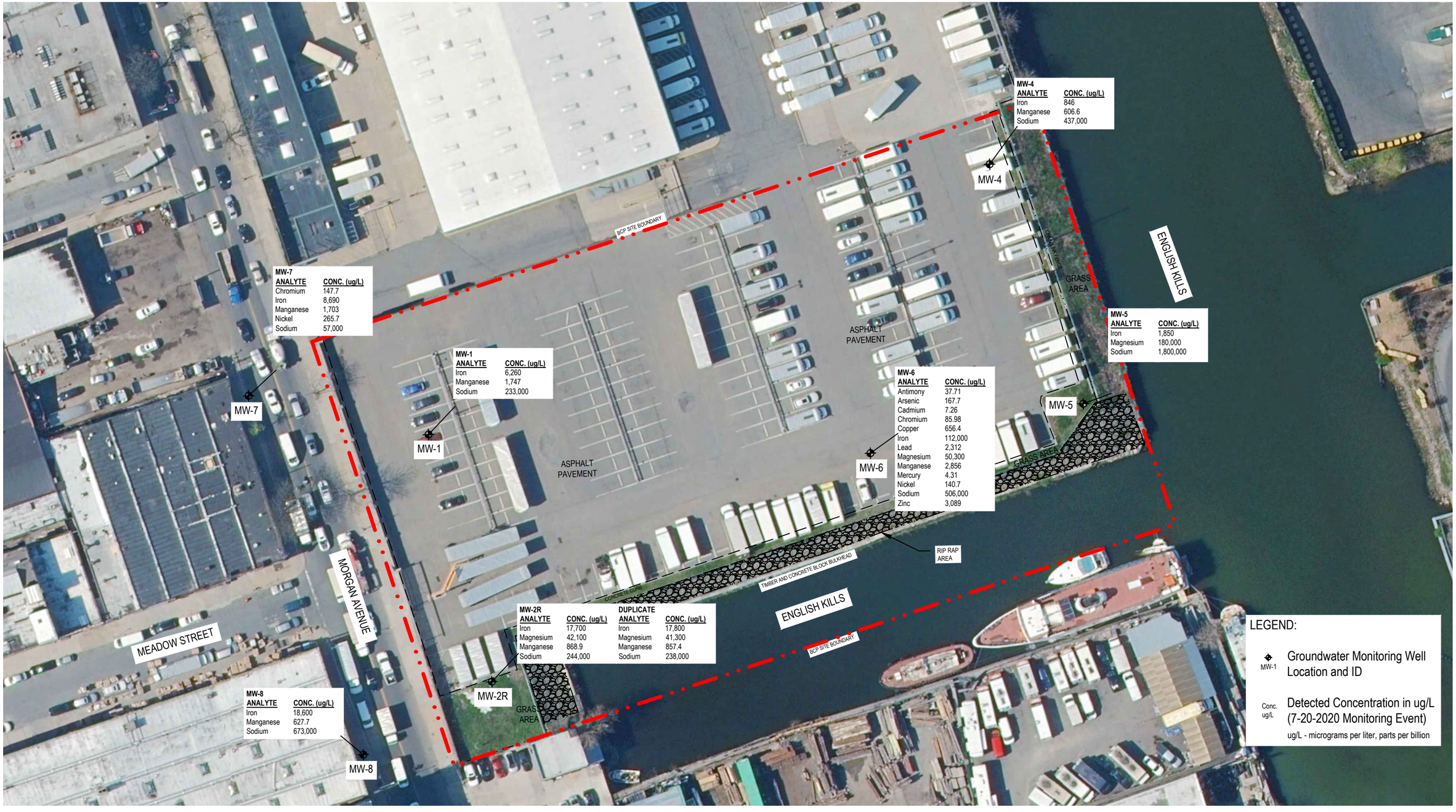
Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)

GROUNDWATER ELEVATIONS, CONTOURS, AND PRESUMED FLOW DIRECTION

Project No. **86-16480**
Report No. **-**
Date **08.05.2020**

FIGURE 3

Filename: G:\86\16480\Annual Groundwater Sampling\2020 Annual\Figures\Figure 3 - GW Elevation and Flow.dwg
Plot Date: 5 August 2020 - 3:44 PM



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.

N

0 30 60 90 120'

SCALE 1"=60' AT ORIGINAL SIZE

GHD

Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)

EXCEEDANCES OF GROUNDWATER STANDARDS - TOTAL METALS

Project No. **86-16480**
Report No. **-**
Date **09.10.2020**

FIGURE 4

Filename: G:\86\16480\Annual Groundwater Sampling\2020 Annual\Figures\Figure 4 - GW Exceedances Total Metals.dwg
Plot Date: 10 September 2020 - 11:36 AM

NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.

N

0 30 60 90 120'

SCALE 1"=60' AT ORIGINAL SIZE

GHD

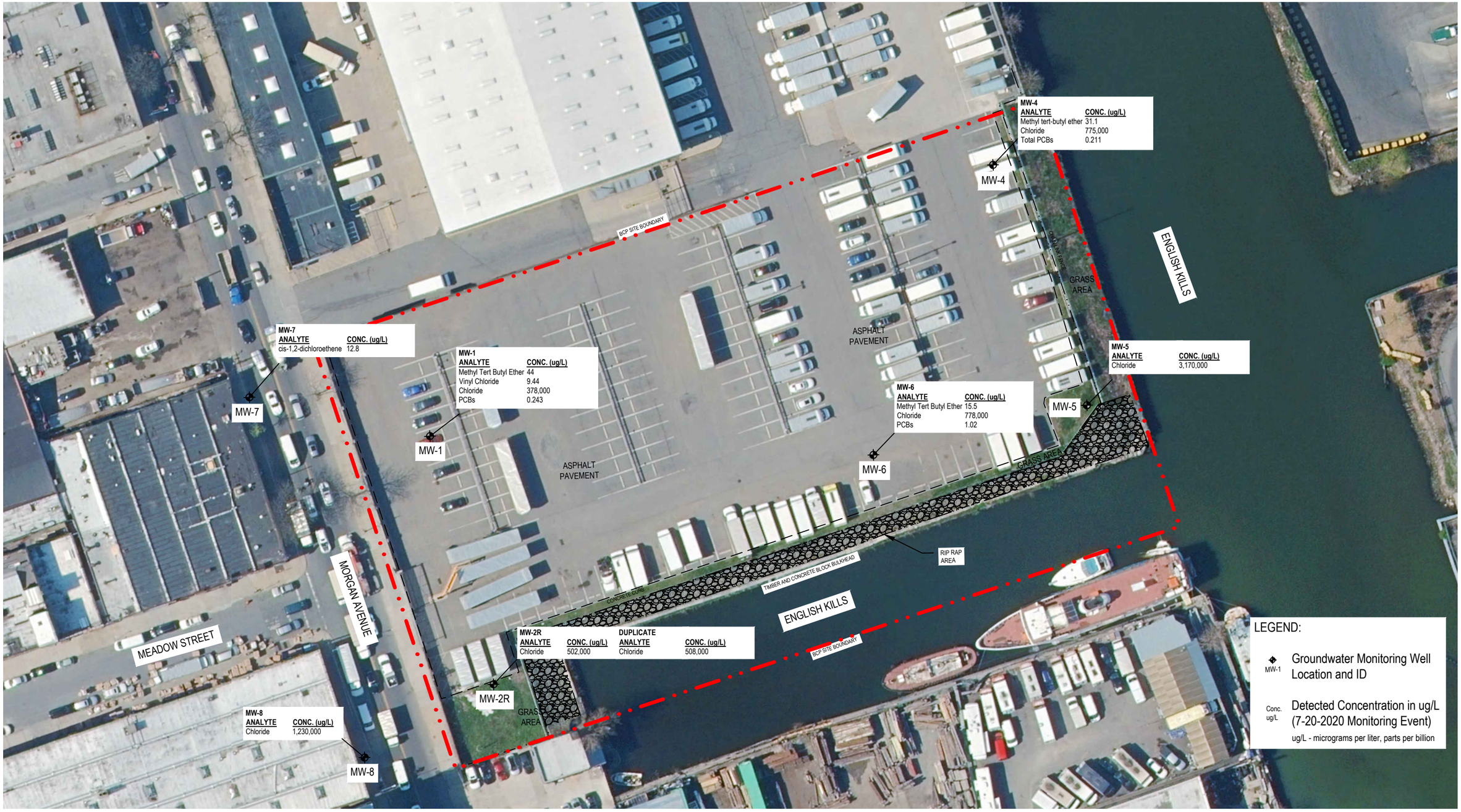
Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)

EXCEEDANCES OF GROUNDWATER STANDARDS - DISSOLVED METALS

Project No. **86-16480**
Report No. **-**
Date **09.10.2020**

FIGURE 5

Filename: G:\86\16480\Annual Groundwater Sampling\2020 Annual\Figures\Figure 5 - GW Exceedances Dissolved Metals.dwg
Plot Date: 10 September 2020 - 11:39 AM



NOTES:
1. Only analytes that exceed groundwater standards are shown here. For complete results, see tables in report.
2. Aerial photograph is a 2018, 6-inch resolution, true color image taken from the NYSGIS Clearinghouse website.
3. Site features taken from an as-built field survey completed by PS&S on August 21, 2013.

N

0 30 60 90 120'

SCALE 1"=60' AT ORIGINAL SIZE

GHD

Rolling Frito-Lay Sales, LP
202-218 Morgan Avenue BCP Site
Brooklyn, NY (BCP Site #C224133)

EXCEEDANCES OF GROUNDWATER STANDARDS - OTHER ANALYTES

Project No. **86-16480**
Report No. **-**
Date **09.10.2020**

FIGURE 6

Filename: G:\86\16480\Annual Groundwater Sampling\2020 Annual\Figures\Figure 6 - GW Exceedances Other Analytes.dwg
Plot Date: 10 September 2020 - 3:11 PM

Tables

Table 1: Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-1	2009	Top of PVC	9.93	-	-	1.74	-
	2011			-	-	1.54	-
	5/14/2014			9.07	16.33	0.86	1.16
	6/4/2015			9.74	16.38	0.19	1.06
	5/26/2016			9.55	16.24	0.38	1.07
	5/22/2017			9.24	16.93	0.69	1.23
	5/30/2018			9.06	16.93	0.87	1.26
	12/19/2018			5.11	16.93	4.82	1.89
	5/30/2019			9.41	16.93	0.52	1.20
	7/20/2020			9.22	16.93	0.71	1.23
MW-2R	2009	Top of PVC	10.26	-	-	2.71	-
	2011			-	-	0.40	-
	7/4/2015			9.75	17.92	0.51	1.31
	6/4/2015			9.69	17.92	0.57	1.32
	5/26/2016			10.22	17.61	0.04	1.18
	5/22/2017			9.53	17.95	0.73	1.35
	5/30/2018			10.42	17.95	-0.16	1.20
	12/19/2018			4.90	17.95	5.36	2.09
	5/30/2019			10.19	17.95	0.07	1.24
	7/20/2020			9.75	17.95	0.51	1.31
MW-4	2009	Top of PVC	10.22	-	-	2.04	-
	2011			-	-	0.54	-
	5/14/2014			9.91	16.48	0.31	1.05
	6/4/2015			10.50	16.45	-0.28	0.95
	5/26/2016			10.76	16.28	-0.54	0.88
	5/22/2017			10.15	16.60	0.07	1.03
	5/30/2018			9.83	16.60	0.39	1.08
	12/19/2018			2.72	16.60	7.50	2.22
	5/30/2019			9.90	16.60	0.32	1.07
	7/20/2020			9.10	16.60	1.12	1.20

Table 1: Groundwater Elevation Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Monitoring Well I.D.	Date	Reference Point	Reference Elevation (feet)	DTW (feet)	DOW (feet)	Water Elevation (feet)	Well Volume (gal)
MW-5	2009	Top of PVC	10.77	-	-	1.76	-
	2011			-	-	-0.80	-
	5/14/2014			11.01	18.69	-0.24	1.23
	6/4/2015			9.91	18.60	0.86	1.39
	5/26/2016			12.65	18.58	-1.88	0.95
	5/22/2017			11.25	18.70	-0.48	1.19
	5/30/2018			10.46	18.70	0.31	1.32
	12/19/2018			1.96	18.70	8.81	2.68
	5/30/2019			10.76	18.70	0.01	1.27
	7/20/2020			11.10	18.70	-0.33	1.22
MW-6	2009	Top of PVC	10.22	-	-	1.11	-
	2011			-	-	0.80	-
	5/14/2014			10.36	17.05	-0.14	1.07
	6/4/2015			10.81	17.08	-0.59	1.00
	5/26/2016			10.97	16.88	-0.75	0.95
	5/22/2017			10.55	17.10	-0.33	1.05
	5/30/2018			10.49	17.10	-0.27	1.06
	12/19/2018			2.40	17.10	7.82	2.35
	5/30/2019			10.13	17.10	0.09	1.12
	7/20/2020			10.54	17.10	-0.32	1.05
MW-7	2009	Top of PVC	11.11	-	-	2.92	-
	2011			-	-	1.48	-
	5/14/2014			8.17	15.42	2.94	1.16
	6/4/2015			8.33	16.42	2.78	1.29
	5/26/2016			8.32	15.22	2.79	1.10
	5/22/2017			8.15	15.45	2.96	1.17
	5/30/2018			7.88	15.45	3.23	1.21
	12/19/2018			NM	NM	-	-
	5/30/2019			8.11	15.45	3.00	1.17
	7/20/2020			8.39	15.45	2.72	1.13
MW-8	2009	Top of PVC	11.43	-	-	2.50	-
	2011			-	-	2.32	-
	5/14/2014			8.85	14.45	2.58	0.90
	6/4/2015			8.92	14.45	2.51	0.88
	5/26/2016			8.70	14.20	2.73	0.88
	5/22/2017			8.88	14.60	2.55	0.92
	5/30/2018			8.61	14.60	2.82	0.96
	12/19/2018			NM	NM	-	-
	5/30/2019			8.40	14.60	3.03	0.99
	7/20/2020			8.74	14.60	2.69	0.94

DTW - depth to water

DOW - depth of well

DTW and DOW measurements taken prior to purging using an electronic water level meter

2009 and 2011 groundwater elevation information taken from the Site Management Plan prepared by Gannett Fleming (September 2013)

Reference elevations taken from as-built plan prepared by PS&S (August 21, 2013)

Table 2: Groundwater Field Parameter Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Well I.D.	Date	Time	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
MW-1	7/20/2020	10:25	24.2	1.780	3.31	7.29	-108	197	2.50	Water cloudy brown with odor to clear with odor during purging MS/MSD sample taken at this location
		10:30	23.0	1.920	2.13	7.10	-196	118		
		10:35	23.0	1.960	2.22	7.04	-200	96		
		10:40	23.1	2.000	2.04	6.97	-205	108		
		10:45	23.0	2.090	2.09	7.04	-239	57		
		10:50	23.2	2.120	2.00	7.09	-246	60		
		10:55	23.1	2.160	1.96	7.10	-253	22		
		11:00	23.2	2.190	1.90	7.13	-256	12		
		11:05	23.1	2.180	1.88	7.14	-260	6		
MW-2R	7/20/2020	12:20	26.0	2.390	5.22	7.33	-164	190	2.50	Water slightly cloudy, light brown, and no odor to clear with no odor during purging Field Duplicate sample taken at this location
		12:25	25.1	2.380	4.19	7.20	-168	207		
		12:30	23.0	2.380	3.92	7.17	-170	212		
		12:35	23.0	2.380	2.99	7.17	-162	166		
		12:40	23.2	2.390	2.95	7.16	-160	170		
		12:45	23.2	2.390	2.13	7.18	-176	42		
		12:50	23.4	2.380	2.09	7.19	-180	23		
		12:55	23.8	2.390	1.96	7.18	-178	11		
		13:00	23.9	2.370	1.99	7.17	-177	7		
MW-4	7/20/2020	10:35	10.3	4.330	0.00	7.23	-253	131	4.25	Water slightly cloudy, light brown, and no odor to clear with no odor during purging
		10:40	17.8	4.280	0.00	7.30	-270	536		
		10:45	24.9	4.220	0.00	7.39	-291	379		
		10:50	26.4	4.280	0.00	7.36	-310	224		
		10:55	29.9	4.330	0.00	7.34	-339	143		
		11:00	31.2	4.360	0.00	7.35	-351	107		
		11:05	31.3	4.360	0.00	7.35	-355	85		
		11:10	32.0	4.340	0.00	7.34	-358	70		
		11:15	32.2	4.380	0.00	7.33	-360	61		
		11:20	32.9	4.390	0.00	7.33	-362	50		
		11:25	33.3	4.460	0.00	7.31	-363	36		
		11:30	33.4	4.470	0.00	7.29	-365	23		
		11:35	33.9	4.470	0.00	7.28	-364	13		
		11:40	34.2	4.450	0.00	7.24	-364	5		
MW-5	7/20/2020	12:55	29.9	14.300	5.22	7.62	-173	131	3.00	Water slightly cloudy, light brown tint, and no odor to clear with no odor during purging
		13:00	30.0	14.400	3.61	7.44	-150	75		
		13:05	30.4	14.500	2.00	7.36	-116	52		
		13:10	30.2	14.400	1.32	7.29	-117	32		
		13:15	29.4	14.300	0.02	7.24	-119	19		
		13:20	29.3	14.300	0.00	7.23	-122	14		
		13:25	29.7	14.300	0.00	7.23	-128	11		
		13:30	29.7	14.200	0.00	7.23	-130	8		
		13:35	30.0	14.100	0.00	7.23	-133	5		
		13:40	29.9	14.100	0.00	7.23	-133	3		

Table 2: Groundwater Field Parameter Data. 202-218 Morgan Avenue BCP Site, Brooklyn, NY, BCP Site #C224133.

Well I.D.	Date	Time	Temp (°C)	Conductivity (mS/cm)	Dissolved Oxygen (mg/L)	pH (units)	ORP (mV)	Turbidity (NTU)	Amount Purged (gal)	Comments
MW-6	7/20/2020	14:15	23.6	4.610	0.00	7.71	-183	>1000	3.50	Water cloudy, brown, and no odor to clear with no odor during purging
		14:20	23.0	4.590	0.00	7.63	-200	705		
		14:25	20.5	4.580	0.00	7.56	-221	398		
		14:30	21.3	4.600	0.00	7.48	-235	300		
		14:35	25.0	4.640	0.00	7.46	-249	203		
		14:40	25.8	4.640	0.00	7.46	-257	136		
		14:45	26.4	4.630	0.00	7.47	-264	86		
		14:50	26.4	4.620	0.00	7.47	-268	53		
		14:55	26.2	4.620	0.00	7.48	-270	39		
		15:00	26.3	4.630	0.00	7.49	-277	27		
		15:05	25.9	4.640	0.00	7.50	-281	16		
		15:10	26.0	4.650	0.00	7.50	-284	8		
MW-7	7/20/2020	15:40	23.1	1.300	1.54	7.40	-97	>1000	3.25	Water cloudy, light brown, and odor to clear with odor during purging
		15:45	22.9	1.190	1.31	7.33	-100	414		
		15:50	22.4	1.110	1.09	7.17	-111	300		
		15:55	22.8	1.100	1.04	7.09	-114	196		
		16:00	22.0	1.110	1.00	7.15	-119	90		
		16:05	21.8	1.090	0.09	7.20	-120	63		
		16:10	21.8	1.080	0.00	7.22	-122	44		
		16:15	21.8	1.070	0.00	7.22	-123	22		
		16:20	22.0	1.070	0.00	7.23	-125	29		
		16:25	21.9	1.060	0.00	7.22	-126	34		
		16:30	21.9	1.070	0.00	7.23	-128	39		
MW-8	7/20/2020	14:25	23.1	4.240	0.34	7.05	-105	533	2.25	Water cloudy, light brown, and no odor to clear with no odor during purging
		14:30	23.0	4.240	0.07	7.06	-117	196		
		14:35	22.4	4.240	0.00	7.07	-122	100		
		14:40	22.1	4.240	0.00	7.07	-124	76		
		14:45	22.0	4.250	0.00	7.06	-120	44		
		14:50	22.1	4.260	0.00	7.07	-119	32		
		14:55	22.2	4.240	0.00	7.05	-118	19		
		15:00	22.1	4.240	0.00	7.05	-119	10		

Field parameters collected during purging using a multi-parameter water quality meter with flow thru cell

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Method_ Name	**Analyte**	**Units**	**TOGS 1.1.1**								
VOCs	1,1,1-trichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	0.81J	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65J	<0.34U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	0.14J	<0.26U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	**50**	<10U	2.7J	<5U	<1.5U	4.8J	<5U	2.1J	<0.9U
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	**5**	1	0.72J	0.81J	0.77J	0.71J	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	2.1J	2.7	1.5J	**80**	**17**	**5**	1.1
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	**5**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	**10**	1.5	4.6	**21**	5	7	**66**	**22**	**44**
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	**5**	<1UJ	0.17J	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	**2**	0.4	**5.8**	**24**	**9.9**	**92**	**53**	**61**	**9.44**

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
Method_ Name	**Analyte**	**Units**	**TOGS 1.1.1**								
VOCs	1,1,1-trichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	**50**	<10U	**2.3J**	<5U	<1.5U	<1.5U	<5U	**4.4J**	<0.9U
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	**60**	<1U	<5U	**2.2J**	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	**5**	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	**5**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	**10**	1.6	1.6J	1.1J	<0.7U	0.77J	<2.5U	7	<0.26U
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	**5**	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	**2**	**4.7**	<1U	**3.4**	**2.5**	0.98J	0.87J	<0.07U	<0.26U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Method_ Name	**Analyte**	**Units**	**TOGS 1.1.1**								
VOCs	1,1,1-trichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	**50**	4	5	<5U	2.3J	5.9	<5U	1.7J	<0.9U
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	4J	<0.44U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	**5**	<1UJ	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	**10**	4	**13**	**11**	**32**	**37**	**39**	**30**	**31.1**
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	**2**	<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Method_ Name	**Analyte**	**Units**	**TOGS 1.1.1**								
VOCs	1,1,1-trichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	**50**	<10U	2.2J	<5U	<1.5U	<1.5U	2.2J	<1.5U	<0.9U
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	**60**	<1U	<5U	3.5J	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	**5**	<1UJ	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<20U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	**10**	**16**	9.3	**10**	5.8	7.9	**12**	<0.7U	9.93
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	**2**	<1U	<1U	<1U	<0.07U	<0.07U	<1U	0.63J	<0.26U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Method_ Name	**Analyte**	**Units**	**TOGS 1.1.1**								
VOCs	1,1,1-trichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	**50**	12	3.7J	<5U	2J	9.8	4.5J	3.5J	<0.9U
	Benzene	µg/L	**1**	**1.1**	<0.5U	0.34J	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	6.7	<0.44U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	**5**	<1UJ	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	**5**	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	**10**	**16**	**14**	**17**	**14**	5	**22**	**17**	**15.5**
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	**5**	4.4	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	**2**	<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Method_ Name	**Analyte**	**Units**	**TOGS 1.1.1**								
VOCs	1,1,1-trichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	**5**	<1U	0.75J	1.1J	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	0.22J	0.24J	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	**50**	<10U	1.6J	<5U	<1.5U	<1.5U	<5U	2.3J	<0.9U
	Benzene	µg/L	**1**	0.2	**2.3**	**4**	0.66	0.54	0.36J	<0.16U	0.7J
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	**5**	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	**5**	1.2	**16**	**6.1**	**17**	**52**	**76**	**42**	**12.8**
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	**5**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	**10**	<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	**24**	3.4	<0.26U
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	**5**	<1U	2.2	0.52	1.8	**11**	**5.2**	0.86	<0.36U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	0.78J	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	**5**	1.4J	**9.1**	2.2	4.8	**20**	**14**	3.2	0.55J
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	**2**	**2.7**	**5.5**	**5.6**	**12**	**8**	**5.6**	**3.6**	<0.26U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Method_ Name	**Analyte**	**Units**	**TOGS 1.1.1**								
VOCs	1,1,1-trichloroethane	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	**50**	<10U	**1.4J**	<5U	<1.5U	<1.5U	<5U	<1.5U	<0.9U
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	**50**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	**5**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	**10**	<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.26U
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	**5**	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	**2**	<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U	<0.26U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

#1 - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-2R	MW-2R
Method_ Name	Analyte	Units	TOGS 1.1.1								
VOCs	1,1,1-trichloroethane	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.33U
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.46U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U	<0.2U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U	<0.35U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	0.7J	<2.5U	<0.7U	<0.36U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U	<0.34U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.74U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.51U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.34U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.48U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.26U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U	<0.36U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.5U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.49U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U	<7.43U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U	<0.58U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.69U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.35U
	Acetone	µg/L	**50**	<10U	2.7J	<5U	<1.5U	<1.5U	<5U	<1.5U	<0.9U
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.25U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.39U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U	<0.33U
	Bromoform	µg/L	**50**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U	<0.45U
	Bromomethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.63U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.44U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U	<0.25U
	Chlorobenzene	µg/L	**5**	<1U	<2.5U	<2.5U	0.86J	<0.7U	<2.5U	<0.7U	<0.42U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.4U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.3U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.27U	<0.48U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	1.7J	**66**	**23**	<0.7U	<0.3U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U	<0.3U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U	<0.44U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U	<0.33U
	Dichlorodifluoromethane	µg/L	**5**	<1U	<5U	<5U	<1U	<1U	<5U	<1U	<0.39U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.36U
	Isopropylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.38U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U	<5.14U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U	<0.39U
	Methyl tert butyl ether	µg/L	**10**	<0.5U	**10**	0.99J	5.5	4.8	**83**	<0.7U	<0.26U
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.54U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.43U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.78U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.42U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.28U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.19U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U	<0.37U
	Trichloroethene	µg/L	**5**	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U	<0.36U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U	<0.23U
	Vinyl chloride	µg/L	**2**	**6.2**	<1U	**3.5**	**6.8**	**100**	**37**	0.55J	<0.26U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**								
Total Metals	Aluminum, Total	µg/L		220	2710	5230	1000	19.8	700	75.8	536
	Antimony, Total	µg/L	**3**	<12U	**6.53**	2.1	0.7J	<0.42U	0.69J	**10.14**	<4U
	Arsenic, Total	µg/L	**25**	<8U	4.26	12.1	2.5	1.54	3.01	3.87	2.42
	Barium, Total	µg/L	**1000**	180	218.7	333.3	235.6	284.9	224.9	171.4	163.9
	Beryllium, Total	µg/L	**3**	<4U	0.17J	0.4J	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Total	µg/L	**5**	<4U	0.83	2.1	0.5	0.06J	0.36	0.13J	0.25
	Calcium, Total	µg/L		210,000	166,000	211,000	189,000	276,000	182,000	152,000	132,000
	Chromium, Total	µg/L	**50**	<50U	35.47	**91.6**	18.2	2.89	11.93	2.54	6.43
	Cobalt, Total	µg/L		<20U	3.58	7.9	2	1.16	2.12	0.97	1.46
	Copper, Total	µg/L	**200**	<50U	66.06	180	17.7	0.71J	21.1	1.88	10.81
	Iron, Total	µg/L	**300**	**4100**	**21,500**	**24,000**	**7160**	**3710**	**6260**	**3920**	**6260**
	Lead, Total	µg/L	**25**	6	**147.4**	**360.1**	**85.7**	0.84J	**45.6**	4.04	24.89
	Magnesium, Total	µg/L	**35000**	**36,000**	29,100	**36,200**	31,100	**39,200**	32,600	32,100	33,800
	Manganese, Total	µg/L	**300**	**3000**	**2458**	**3322**	**2939**	**2792**	**2093**	**1856**	**1747**
	Mercury, Total	µg/L	**0.7**	<1U	**3.27**	**0.81**	0.14J	<0.06U	<0.2U	<0.09U	<0.2U
	Nickel, Total	µg/L	**100**	<50U	30.45	69.1	18.4	9.44	13.13	6.89	13.26
	Potassium, Total	µg/L		18,000	13,900	17,500	16,300	20,700	16,100	14,500	13,000
	Selenium, Total	µg/L	**10**	<40U	1.03J	2J	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Total	µg/L	**50**	<20U	0.66	1.6	0.1J	<0.16U	0.17J	<0.16U	<0.4U
	Sodium, Total	µg/L	**20000**	**220,000J**	**290,000**	**315,000**	**342,000**	**477,000**	**369,000**	**338,000**	**233,000**
	Thallium, Total	µg/L	**0.5**	<10U	0.04J	0.1J	<0.1U	<0.14U	<0.5U	0.19J	<0.5U
	Vanadium, Total	µg/L		<50U	9.55	34.1	4.3J	<1.57U	3.55J	2.07J	<5U
	Zinc, Total	µg/L	**2000**	<50U	298.2	952.9	104.2	4.44J	82.02	9.31J	48.37
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	9.6J	10.6	8J	-	6.76J	4.73J	<10U
	Antimony, Dissolved	µg/L	**3**	<12U	0.17J	0.1J	1.2J	-	0.69J	**3.54J**	<4U
	Arsenic, Dissolved	µg/L	**25**	8.3	1.68	0.8	2.2	-	1.14	2.76	<0.5U
	Barium, Dissolved	µg/L	**1000**	140	175.8	195.9	200.1	-	182.2	151	127.4
	Beryllium, Dissolved	µg/L	**3**	<4U	<0.5U	<0.5U	<0.2U	-	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	**5**	<4U	<0.2U	<0.5U	<0.1U	-	<0.2U	<0.05U	<0.2U
	Calcium, Dissolved	µg/L		180,000	193,000	159,000	198,000	-	183,000	160,000	119,000
	Chromium, Dissolved	µg/L	**50**	<50U	3.34	3.04	2.9	-	0.96J	0.81J	<1U
	Cobalt, Dissolved	µg/L		<20U	0.82	1.3	1.3	-	1.56	1.34	1.24
	Copper, Dissolved	µg/L	**200**	<50U	0.64J	0.3J	<0.3U	-	1.48	<0.38U	<1U
	Iron, Dissolved	µg/L	**300**	**760**	**7470**	**5360**	**1920**	-	25.6J	97.7	103
	Lead, Dissolved	µg/L	**25**	<4U	<1U	<1U	0.2J	-	<1U	<0.34U	<1U
	Magnesium, Dissolved	µg/L	**35000**	30,000	27,300	30,800	30,300	-	26,400	**38,400**	32,000
	Manganese, Dissolved	µg/L	**300**	**2500**	**2728**	**2886**	**3222**	-	**1771**	**1901**	**1600**
	Mercury, Dissolved	µg/L	**0.7**	<1U	<0.2U	<0.2U	<0.06U	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	**100**	<50U	7.43	10.17	14.1	-	8.2	6.87	9.69
	Potassium, Dissolved	µg/L		15,000	14,200	15,800	16,400	-	15,900	15,200	11,900
	Selenium, Dissolved	µg/L	**10**	<40U	1.29J	<100U	<1U	-	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	**50**	<20U	<0.4U	<5U	<0.1U	-	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	**20000**	**190,000J**	**356,000**	**298,000**	**382,000**	-	**430,000**	**361,000**	**220,000**
	Thallium, Dissolved	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	-	<0.5U	0.19J	<0.5U
	Vanadium, Dissolved	µg/L		<50U	0.35J	<5U	<0.6U	-	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	**2000**	<50U	2.48J	4.87J	<2.6U	-	7.39J	<3.41U	12.22

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**								
Total Metals	Aluminum, Total	µg/L		4200J	404	1690	33	193	35.5	375	231
	Antimony, Total	µg/L	**3**	<12U	**3.12**	2.1	0.3J	<0.42U	0.8J	0.51J	<4U
	Arsenic, Total	µg/L	**25**	<8U	**36.36**	7.8	6.8	6.51	6.25	4.43	4.36
	Barium, Total	µg/L	**1000**	200	192.8	227.1	227.7	298	308.7	371.6	381
	Beryllium, Total	µg/L	**3**	<4U	0.1J	0.2J	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Total	µg/L	**5**	<4U	0.19J	0.1J	<0.1U	0.2	<0.2U	<0.05U	<0.2U
	Calcium, Total	µg/L		320,000	88,100	93,300	73,700	73,300	82,200	96,800	93,600
	Chromium, Total	µg/L	**50**	<50U	10.5	10.4	0.5J	1.01	0.4J	2.05	1.4
	Cobalt, Total	µg/L		<20U	1.18	2.6	0.2	0.23J	<0.5U	0.55	<0.5U
	Copper, Total	µg/L	**200**	<50U	20.21	30.9	<0.3U	2.47	0.6J	4.92	2.83
	Iron, Total	µg/L	**300**	**13,000J**	**58,600**	**24,100**	**14,000**	**14,100**	**17,300**	**19,000**	**17,700**
	Lead, Total	µg/L	**25**	**120J**	**73.18**	**178**	1.9	13.48	2.01	22.43	13.12
	Magnesium, Total	µg/L	**35000**	**140,000**	33,900	**35,700**	33,800	34,400	**41,500**	**44,300**	**42,100**
	Manganese, Total	µg/L	**300**	**900**	**374.7**	**699.3**	**804.9**	**708.6**	**901.2**	**1009**	**868.9**
	Mercury, Total	µg/L	**0.7**	<1U	0.38	0.46	0.09J	0.06J	<0.2U	<0.09U	<0.2U
	Nickel, Total	µg/L	**100**	<50U	3.41	5.5	1.3J	1.75J	<2U	0.69J	<2U
	Potassium, Total	µg/L		55,000	14,400	16,000	14,300	16,500	16,800	19,600	19,000
	Selenium, Total	µg/L	**10**	<40U	0.53J	<5U	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Total	µg/L	**50**	<20U	<0.4U	0.1J	<0.1U	<0.16U	<0.4U	<0.16U	<0.4U
	Sodium, Total	µg/L	**20000**	**770,000J**	**142,000**	**221,000**	**200,000**	**273,000**	**178,000**	**253,000**	**244,000**
	Thallium, Total	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U	<0.5U
	Vanadium, Total	µg/L		<50U	6.59	8.1	<0.6U	<1.57U	<5U	1.94J	<5U
	Zinc, Total	µg/L	**2000**	120	68.19	80.8	<2.6U	5.88J	<10U	7.43J	<10U
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	-	-	-	-	4.54J	<3.27U	<10U
	Antimony, Dissolved	µg/L	**3**	<12U	-	-	-	-	<4U	1.13J	<4U
	Arsenic, Dissolved	µg/L	**25**	<8U	-	-	-	-	0.83	0.68	0.58
	Barium, Dissolved	µg/L	**1000**	160	-	-	-	-	231.6	275.2	316.3
	Beryllium, Dissolved	µg/L	**3**	<4U	-	-	-	-	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	**5**	<4U	-	-	-	-	<0.2U	<0.05U	<0.2U
	Calcium, Dissolved	µg/L		320,000	-	-	-	-	88,800	89,600	94,100
	Chromium, Dissolved	µg/L	**50**	<50U	-	-	-	-	0.18J	<0.17U	<1U
	Cobalt, Dissolved	µg/L		<20U	-	-	-	-	0.18J	0.17J	<0.5U
	Copper, Dissolved	µg/L	**200**	<50U	-	-	-	-	0.82J	<0.38U	<1U
	Iron, Dissolved	µg/L	**300**	**870**	-	-	-	-	35.1J	**1840**	**404**
	Lead, Dissolved	µg/L	**25**	<4U	-	-	-	-	<1U	<0.34U	<1U
	Magnesium, Dissolved	µg/L	**35000**	**140,000**	-	-	-	-	34,400	**45,600**	**42,700**
	Manganese, Dissolved	µg/L	**300**	**830**	-	-	-	-	**915.9**	**911.9**	**830.2**
	Mercury, Dissolved	µg/L	**0.7**	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	**100**	<50U	-	-	-	-	0.87J	0.75J	<2U
	Potassium, Dissolved	µg/L		55,000	-	-	-	-	17,400	18,000	19,300
	Selenium, Dissolved	µg/L	**10**	<40U	-	-	-	-	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	**50**	<20U	-	-	-	-	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	**20000**	**760,000J**	-	-	-	-	**213,000**	**230,000**	**254,000**
	Thallium, Dissolved	µg/L	**0.5**	<10U	-	-	-	-	<0.5U	<0.14U	<0.5U
	Vanadium, Dissolved	µg/L		<50U	-	-	-	-	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	**2000**	<50U	-	-	-	-	<10U	<3.41U	<10U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**								
Total Metals	Aluminum, Total	µg/L		250	103	87	616	148	5000	44.9	453
	Antimony, Total	µg/L	**3**	<12U	2.91	1.2J	1J	1.2J	**3.39J**	<0.42U	<4U
	Arsenic, Total	µg/L	**25**	<8U	9.74	5.9	7.8	3.56	**55.78**	7.12	2.84
	Barium, Total	µg/L	**1000**	660	92.03	80.4	80.8	112.5	290.4	163.5	165.8
	Beryllium, Total	µg/L	**3**	<4U	<0.5U	<0.5U	<0.2U	<0.1U	0.43J	<0.1U	<0.5U
	Cadmium, Total	µg/L	**5**	<4U	0.05J	0.1J	0.3	0.5	2.74	0.44	0.38
	Calcium, Total	µg/L		520,000J	272,000	294,000	207,000	220,000	291,000	229,000	205,000
	Chromium, Total	µg/L	**50**	<50U	0.77J	2.8	2.2	0.81J	16.9	0.87J	1.67
	Cobalt, Total	µg/L		<20U	0.36	0.49J	1.6	0.69	13.26	0.6	0.92
	Copper, Total	µg/L	**200**	<50U	1.12J	2.2	9.9	2.13	111.6	0.67J	3.35
	Iron, Total	µg/L	**300**	**650**	186	219	**1290**	**336**	**16,400**	**541**	**846**
	Lead, Total	µg/L	**25**	9	3.12	3.5	**25**	5.51	**288.8**	2.24	11.26
	Magnesium, Total	µg/L	**35000**	8400J	6600	12,300	16,200	30,700	**36,900**	30,800	30,800
	Manganese, Total	µg/L	**300**	100	5.31	13	35.3	**302.2**	**752.8**	**546.9**	**606.6**
	Mercury, Total	µg/L	**0.7**	<1U	<0.2U	<0.2U	<0.06U	<0.06U	0.4	<0.09U	<0.2U
	Nickel, Total	µg/L	**100**	<50U	3.56	5.5	7.6	5.08	35.7	5.44	4.94
	Potassium, Total	µg/L		64,000	70,700	77,800	74,200	53,200	52,000	52,400	47,900
	Selenium, Total	µg/L	**10**	<40U	0.55J	<5U	<1U	<1.73U	1.97J	<1.73U	<5U
	Silver, Total	µg/L	**50**	<20U	<0.4U	<0.4U	<0.1U	<0.16U	0.25J	<0.16U	<0.4U
	Sodium, Total	µg/L	**20000**	**250,000J**	**303,000**	**339,000**	**387,000**	**331,000**	**382,000**	**486,000**	**437,000**
	Thallium, Total	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	<0.14U	0.16J	<0.14U	<0.5U
	Vanadium, Total	µg/L		<50U	0.92J	1.3J	3.3J	1.69J	21.8	1.67J	<5U
	Zinc, Total	µg/L	**2000**	<50U	13.78	31.8	60.7	30.16	760.7	9.33J	50.3
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	-	-	-	-	9.43J	<3.27U	42
	Antimony, Dissolved	µg/L	**3**	<12U	-	-	-	-	1.23J	0.72J	<4U
	Arsenic, Dissolved	µg/L	**25**	<8U	-	-	-	-	23.96	9.13	2.22
	Barium, Dissolved	µg/L	**1000**	620	-	-	-	-	171.1	150	154.7
	Beryllium, Dissolved	µg/L	**3**	<4U	-	-	-	-	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	**5**	<4U	-	-	-	-	<0.2U	<0.05U	-
	Calcium, Dissolved	µg/L		440,000J	-	-	-	-	243,000	204,000	194,000
	Chromium, Dissolved	µg/L	**50**	<50U	-	-	-	-	0.35J	0.29J	<1U
	Cobalt, Dissolved	µg/L		<20U	-	-	-	-	0.61	0.6	0.58
	Copper, Dissolved	µg/L	**200**	<50U	-	-	-	-	<1U	<0.38U	<1U
	Iron, Dissolved	µg/L	**300**	<280U	-	-	-	-	49.1J	89.4	<50U
	Lead, Dissolved	µg/L	**25**	<4U	-	-	-	-	0.91J	<0.34U	<1U
	Magnesium, Dissolved	µg/L	**35000**	<2000UJ	-	-	-	-	27,200	31,200	29,700
	Manganese, Dissolved	µg/L	**300**	<40U	-	-	-	-	**433.7**	**490.6**	**563.3**
	Mercury, Dissolved	µg/L	**0.7**	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	**100**	<50U	-	-	-	-	3.39	4.29	3.38
	Potassium, Dissolved	µg/L		65,000	-	-	-	-	40,300	46,900	46,400
	Selenium, Dissolved	µg/L	**10**	<40U	-	-	-	-	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	**50**	<20U	-	-	-	-	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	**20000**	**250,000J**	-	-	-	-	**457,000**	**436,000**	**436,000**
	Thallium, Dissolved	µg/L	**0.5**	<10U	-	-	-	-	<0.5U	<0.14U	<0.5U
	Vanadium, Dissolved	µg/L		<50U	-	-	-	-	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	**2000**	<50U	-	-	-	-	3.52J	<3.41U	<10U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**								
Total Metals	Aluminum, Total	µg/L		<180U	2380	589	242	8.24J	95.5	1960	21.2
	Antimony, Total	µg/L	**3**	<12U	**3.01**	0.9J	1.5J	**3.31J**	**3.89J**	**3.97J**	<4U
	Arsenic, Total	µg/L	**25**	**25**	11.91	3	3.7	7.57	4.06	21.22	1.98
	Barium, Total	µg/L	**1000**	56	126.4	125.7	129.2	68.44	80.6	183.8	79.67
	Beryllium, Total	µg/L	**3**	<4U	0.12J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Total	µg/L	**5**	<4U	1.56	0.5	0.2J	<0.05U	0.16J	3.94	<0.2U
	Calcium, Total	µg/L		210,000J	243,000	228,000	224,000	197,000	259,000	268,000	150,000
	Chromium, Total	µg/L	**50**	<50U	8.36	3.6	1.7J	4.89	0.79J	9.91	<1U
	Cobalt, Total	µg/L		<20U	3.84	2.4	1	1.08	0.96	7.43	0.56
	Copper, Total	µg/L	**200**	<50U	49.9	13.2	<0.3U	0.51J	3.69	78.3	1.49
	Iron, Total	µg/L	**300**	**4000**	**16,400**	**4070**	**5740**	**3010**	**3300**	**6570**	**1850**
	Lead, Total	µg/L	**25**	6	**244.8**	**90.4**	**46**	<1.71U	15.02	**409.6**	3.41
	Magnesium, Total	µg/L	**35000**	**120,000J**	**147,000**	**156,000**	**306,000**	**174,000**	**170,000**	**214,000**	**180,000**
	Manganese, Total	µg/L	**300**	**950**	**1020**	**1060**	**768.1**	**449.9**	**531**	**508.6**	268
	Mercury, Total	µg/L	**0.7**	<1U	**6.02**	**0.93**	0.29	<0.06U	<0.2U	**3.18**	<0.2U
	Nickel, Total	µg/L	**100**	<50U	26.93	14	6.8	11.62	8.52	46.22	3.85
	Potassium, Total	µg/L		73,000	75,300	72,500	115,000	84,000	91,400	106,000	78,900
	Selenium, Total	µg/L	**10**	<40U	0.77J	<5U	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Total	µg/L	**50**	<20U	0.17J	<0.4U	<0.1U	<0.16U	<0.4U	0.3J	<0.4U
	Sodium, Total	µg/L	**20000**	**740,000J**	**1,140,000**	**1,030,000**	**3,020,000**	**1,800,000**	**1,470,000**	**2,210,000**	**1,800,000**
	Thallium, Total	µg/L	**0.5**	<10U	0.06J	<0.5U	0.1J	<0.71U	<0.5U	0.16J	<0.5U
	Vanadium, Total	µg/L		<50U	12.03	4.2J	2J	<1.57U	<5U	15.84	<5U
	Zinc, Total	µg/L	**2000**	<50U	736.6	223.7	29.6	15.6	36.68	543.9	10.24
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	-	-	-	-	3.75J	3.29J	<10U
	Antimony, Dissolved	µg/L	**3**	<12U	-	-	-	-	1.75J	**3.54J**	<4U
	Arsenic, Dissolved	µg/L	**25**	10	-	-	-	-	0.98	1.58	1.32
	Barium, Dissolved	µg/L	**1000**	54	-	-	-	-	82.71	97.95	76.76
	Beryllium, Dissolved	µg/L	**3**	<4U	-	-	-	-	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	**5**	<4U	-	-	-	-	<0.2U	0.08J	<0.2U
	Calcium, Dissolved	µg/L		220,000J	-	-	-	-	249,000	194,000	158,000
	Chromium, Dissolved	µg/L	**50**	<50U	-	-	-	-	<1U	<0.17U	<1U
	Cobalt, Dissolved	µg/L		<20U	-	-	-	-	0.73	1.55	0.69
	Copper, Dissolved	µg/L	**200**	<50U	-	-	-	-	0.9J	0.71J	<1U
	Iron, Dissolved	µg/L	**300**	**370**	-	-	-	-	35J	168	<50U
	Lead, Dissolved	µg/L	**25**	4	-	-	-	-	<1U	2.71	<1U
	Magnesium, Dissolved	µg/L	**35000**	**120,000J**	-	-	-	-	**160,000**	**216,000**	**200,000**
	Manganese, Dissolved	µg/L	**300**	**970**	-	-	-	-	**511.1**	**415.8**	269
	Mercury, Dissolved	µg/L	**0.7**	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	**100**	<50U	-	-	-	-	5.02	10.96	3.96
	Potassium, Dissolved	µg/L		77,000	-	-	-	-	89,000	79,800	79,300
	Selenium, Dissolved	µg/L	**10**	<40U	-	-	-	-	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	**50**	<20U	-	-	-	-	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	**20000**	**760,000J**	-	-	-	-	**1,540,000**	**1,980,000**	**1,980,000**
	Thallium, Dissolved	µg/L	**0.5**	<10U	-	-	-	-	<0.5U	0.18J	<0.5U
	Vanadium, Dissolved	µg/L		<50U	-	-	-	-	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	**2000**	<50U	-	-	-	-	7.43J	54.04	<10U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**								
Total Metals	Aluminum, Total	µg/L		<180U	137	330	191	449	1230	488	38,000
	Antimony, Total	µg/L	**3**	<12U	**3.09**	1.4J	1.1J	1.95J	**4.92**	1.89J	**37.71**
	Arsenic, Total	µg/L	**25**	14	7.55	3.2	4.5	14.06	10.44	4.96	**167.7**
	Barium, Total	µg/L	**1000**	140	104.8	156	166.5	145.5	217.1	174	898.7
	Beryllium, Total	µg/L	**3**	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	2.85
	Cadmium, Total	µg/L	**5**	<4U	0.93	0.2	0.8	1.45	0.59	0.21	**7.26**
	Calcium, Total	µg/L		360,000J	292,000	285,000	280,000	286,000	340,000	287,000	445,000
	Chromium, Total	µg/L	**50**	<50U	3.97	2.1	1.2J	3.44	3.75	2.38	**85.98**
	Cobalt, Total	µg/L		<20U	4.53	1.3	1.4	2.15	2.92	1.27	41.8
	Copper, Total	µg/L	**200**	<50U	3.64	4.9	7.1	11.45	28.28	8.84	**656.4**
	Iron, Total	µg/L	**300**	**650**	**5820**	**1270**	**1870**	**5550**	**6000**	**2260**	**112,000**
	Lead, Total	µg/L	**25**	10	9.28	17.4	15.1	**25.67**	**92.14**	**38.15**	**2312**
	Magnesium, Total	µg/L	**35000**	**47,000J**	**46,300**	**52,500**	**57,400**	**40,000**	**49,000**	**40,200**	**50,300**
	Manganese, Total	µg/L	**300**	**640**	**1526**	**757.3**	**952.6**	**1118**	**1165**	**729.6**	**2856**
	Mercury, Total	µg/L	**0.7**	<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U	**4.31**
	Nickel, Total	µg/L	**100**	<50U	22.81	8	9.4	11.82	11.23	5.71	**140.7**
	Potassium, Total	µg/L		66,000	61,100	54,200	60,800	49,900	61,000	63,300	62,400
	Selenium, Total	µg/L	**10**	<40U	0.51J	<5U	<1U	<1.73U	<5U	<1.73U	<25U
	Silver, Total	µg/L	**50**	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U	<2U
	Sodium, Total	µg/L	**20000**	**410,000J**	**385,000**	**393,000**	**470,000**	**408,000**	**490,000**	**593,000**	**506,000**
	Thallium, Total	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U	<2.5U
	Vanadium, Total	µg/L		<50U	2.66J	3.1J	2J	4.95J	6.45	3.53J	155.1
	Zinc, Total	µg/L	**2000**	<50U	819.6	121.7	98.3	177	157.5	40.84	**3089**
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	-	-	-	-	9.72J	<6.54U	24.2
	Antimony, Dissolved	µg/L	**3**	<12U	-	-	-	-	**3.82J**	**3.64J**	<4U
	Arsenic, Dissolved	µg/L	**25**	10	-	-	-	-	5.05	5.97	9.38
	Barium, Dissolved	µg/L	**1000**	130	-	-	-	-	159.1	114.8	94.96
	Beryllium, Dissolved	µg/L	**3**	<4U	-	-	-	-	<0.5U	<0.21U	<0.5U
	Cadmium, Dissolved	µg/L	**5**	<4U	-	-	-	-	<0.2U	<0.11U	<0.2U
	Calcium, Dissolved	µg/L		340,000J	-	-	-	-	363,000	262,000	240,000
	Chromium, Dissolved	µg/L	**50**	<50U	-	-	-	-	0.43J	<0.35U	<1U
	Cobalt, Dissolved	µg/L		<20U	-	-	-	-	1.25	1.22	1.75
	Copper, Dissolved	µg/L	**200**	<50U	-	-	-	-	1.98	<0.76U	1.67
	Iron, Dissolved	µg/L	**300**	**370**	-	-	-	-	79.9	138	138
	Lead, Dissolved	µg/L	**25**	5	-	-	-	-	0.76J	<0.68U	3.5
	Magnesium, Dissolved	µg/L	**35000**	**46,000J**	-	-	-	-	**43,000**	**39,600**	34,200
	Manganese, Dissolved	µg/L	**300**	**630**	-	-	-	-	**1155**	**868.6**	**656.7**
	Mercury, Dissolved	µg/L	**0.7**	<1U	-	-	-	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	**100**	<50U	-	-	-	-	6.44	6.6	10.23
	Potassium, Dissolved	µg/L		65,000	-	-	-	-	49,400	53,800	53,800
	Selenium, Dissolved	µg/L	**10**	<40U	-	-	-	-	<5U	<3.46U	<5U
	Silver, Dissolved	µg/L	**50**	<20U	-	-	-	-	<0.4U	<0.32U	<0.4U
	Sodium, Dissolved	µg/L	**20000**	**400,000J**	-	-	-	-	**617,000**	**504,000**	**440,000**
	Thallium, Dissolved	µg/L	**0.5**	<10U	-	-	-	-	0.23J	<0.28U	<0.5U
	Vanadium, Dissolved	µg/L		<50U	-	-	-	-	<5U	<3.14U	<5U
	Zinc, Dissolved	µg/L	**2000**	<50U	-	-	-	-	13.14	15.95J	33.09

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**								
Total Metals	Aluminum, Total	µg/L		<180U	2.89J	40	50	15.5	56.2	14,400	1080
	Antimony, Total	µg/L	**3**	<12U	0.52J	0.2J	0.3J	<0.42U	<4U	0.88J	<4U
	Arsenic, Total	µg/L	**25**	<8U	1.4	2.8	2.3	1.47	1.78	**71.3**	3.07
	Barium, Total	µg/L	**1000**	150	85.68	120.7	97.9	67.41	83.01	906.4	89.07
	Beryllium, Total	µg/L	**3**	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	2.04	<0.5U
	Cadmium, Total	µg/L	**5**	<4U	<0.2U	<0.2U	<0.1U	<0.05U	<0.2U	4.01	<0.2U
	Calcium, Total	µg/L		110,000	109,000	122,000	91,600	85,000	94,400	123,000	77,900
	Chromium, Total	µg/L	**50**	<50U	0.99J	7.7	7.3	4.01	12.18	**4741**	**147.7**
	Cobalt, Total	µg/L		<20U	1.15	1.5	1.3	1.82	2.65	47.81	2.62
	Copper, Total	µg/L	**200**	<50U	1.13J	1.9J	<0.3U	<0.38U	0.42J	193.4	5.64
	Iron, Total	µg/L	**300**	**6400**	**3170**	**5040**	**4630**	**3750**	**5330**	**384,000**	**8690**
	Lead, Total	µg/L	**25**	<4U	<1U	1.1	0.7J	0.39J	0.71J	**620**	14.32
	Magnesium, Total	µg/L	**35000**	7300	7040	10,300	8580	9690	15,700	22,500	13,100
	Manganese, Total	µg/L	**300**	**830**	**823.6**	**913.5**	**801.4**	**1074**	**1957**	**5535**	**1703**
	Mercury, Total	µg/L	**0.7**	<1U	<0.2U	<0.2U	0.11J	<0.06U	<0.2U	**1.33**	<0.2U
	Nickel, Total	µg/L	**100**	**100**	**121.9**	**160**	**173.4**	**143.7**	**187.2**	**4745**	**265.7**
	Potassium, Total	µg/L		13,000	9020	12,200	11,400	8360	8530	11,900	8870
	Selenium, Total	µg/L	**10**	<40U	<5U	<5U	<1U	<1.73U	<5U	**13.2**	<5U
	Silver, Total	µg/L	**50**	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	0.52	<0.4U
	Sodium, Total	µg/L	**20000**	**330,000J**	**153,000**	**186,000**	**138,000**	**81,800**	**58,200**	**74,400**	**57,000**
	Thallium, Total	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	0.42J	<0.5U
	Vanadium, Total	µg/L		<50U	<5U	<5U	<0.6U	<1.57U	<5U	63.64	<5U
	Zinc, Total	µg/L	**2000**	<50U	9.03J	42.6	<2.6U	<3.41U	3.89J	507.5	20.66
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	68.3	-	4J	<3.27U	4.06J	4.34J	11
	Antimony, Dissolved	µg/L	**3**	<12U	0.75J	-	0.4J	<0.42U	<4U	0.87J	<4U
	Arsenic, Dissolved	µg/L	**25**	<8U	5.08	-	1.2	0.69	0.6	0.53	0.68
	Barium, Dissolved	µg/L	**1000**	150	119.3	-	80.8	64.71	76.08	86.61	70.83
	Beryllium, Dissolved	µg/L	**3**	<4U	<0.5U	-	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	**5**	<4U	0.05J	-	<0.1U	<0.05U	<0.2U	<0.05U	<0.2U
	Calcium, Dissolved	µg/L		130,000	118,000	-	126,000	87,900	97,300	92,400	81,600
	Chromium, Dissolved	µg/L	**50**	<50U	23.34	-	3	0.69J	0.69J	1.12	1.85
	Cobalt, Dissolved	µg/L		<20U	1.28	-	1.6	1.85	2.6	2.45	1.55
	Copper, Dissolved	µg/L	**200**	<50U	1.31	-	<0.3U	<0.38U	0.77J	<0.38U	<1U
	Iron, Dissolved	µg/L	**300**	**980**	**13,400**	-	**652**	172	22.8J	81.4	120
	Lead, Dissolved	µg/L	**25**	<4U	2.24	-	<0.1U	<0.34U	<1U	<0.34U	<1U
	Magnesium, Dissolved	µg/L	**35000**	8500	8240	-	7540	9920	15,900	16,800	13,200
	Manganese, Dissolved	µg/L	**300**	**950**	**853.8**	-	**1038**	**1130**	**1688**	**2298**	**1675**
	Mercury, Dissolved	µg/L	**0.7**	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	**100**	**110**	**135.9**	-	**158**	**142.7**	**169.5**	**196.3**	**142.3**
	Potassium, Dissolved	µg/L		15,000	10,400	-	10,200	9080	8570	8650	8930
	Selenium, Dissolved	µg/L	**10**	<40U	0.59J	-	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	**50**	<20U	0.13J	-	<0.1U	<0.16U	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	**20000**	**380,000J**	**175,000**	-	**185,000**	**84,800**	**63,400**	**63,000**	**59,400**
	Thallium, Dissolved	µg/L	**0.5**	<10U	<0.5U	-	<0.1U	<0.14U	<0.5U	<0.14U	<0.5U
	Vanadium, Dissolved	µg/L		<50U	0.54J	-	<0.6U	<1.57U	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	**2000**	<50U	6.31J	-	<2.6U	<3.41U	<10U	<3.41U	<10U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**								
Total Metals	Aluminum, Total	µg/L		220	230	39	2310	9.3J	15.1	1090	533
	Antimony, Total	µg/L	**3**	<12U	0.5J	0.7J	0.4J	<0.42U	<4U	<0.42U	<4U
	Arsenic, Total	µg/L	**25**	<8U	0.39J	0.7	0.8	0.33J	<0.5U	3.26	0.56
	Barium, Total	µg/L	**1000**	270	376.1	464.6	707.2	**1023**	803.5	815.1	479.4
	Beryllium, Total	µg/L	**3**	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Total	µg/L	**5**	<4U	0.65	<0.2U	1.1	0.27	0.28	4.72	0.27
	Calcium, Total	µg/L		150,000	221,000	280,000	302,000	466,000	445,000	280,000	256,000
	Chromium, Total	µg/L	**50**	<50U	1.29	2.4	7	1.26	<1U	5.17	1.96
	Cobalt, Total	µg/L		<20U	0.21	0.2J	1.5	0.17J	<0.5U	1.21	<0.5U
	Copper, Total	µg/L	**200**	<50U	1.36J	1.9J	<0.3U	0.5J	<1U	10.64	2.1
	Iron, Total	µg/L	**300**	**13,000**	**25,800**	**29,700**	**54,300**	**36,600**	**17,500**	**117,000**	**18,600**
	Lead, Total	µg/L	**25**	7.8	2.72	0.9J	11.7	<1.71U	<1U	15.6	2.78
	Magnesium, Total	µg/L	**35000**	7700	10,000	17,400	17,300	23,300	27,700	19,100	16,800
	Manganese, Total	µg/L	**300**	**780**	**1180**	**1368**	**1654**	**1559**	**901.3**	**577.7**	**627.7**
	Mercury, Total	µg/L	**0.7**	<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U	<0.2U
	Nickel, Total	µg/L	**100**	<50U	0.93	1.9	5.1	1.98J	<2U	3.13	4.31
	Potassium, Total	µg/L		18,000	15,900	22,600	26,100	32,700	31,600	24,400	25,100
	Selenium, Total	µg/L	**10**	<40U	<5U	<5U	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Total	µg/L	**50**	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U	<0.4U
	Sodium, Total	µg/L	**20000**	**420,000J**	**504,000**	**519,000**	**731,000**	**1,350,000**	**1,020,000**	**568,000**	**673,000**
	Thallium, Total	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	<0.71U	<0.5U	<0.14U	<0.5U
	Vanadium, Total	µg/L		<50U	2.15J	<5U	8.3	<1.57U	<5U	7.25	<5U
	Zinc, Total	µg/L	**2000**	<50U	6.77J	30	8.2J	<3.41U	<10U	60.33	<10U
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	3.95J	-	3J	<16.4U	4.28J	<3.27U	17.9
	Antimony, Dissolved	µg/L	**3**	<12U	0.19J	-	0.6J	<2.14U	<4U	0.79J	<4U
	Arsenic, Dissolved	µg/L	**25**	<8U	0.89	-	<0.1U	<0.82U	<0.5U	<0.16U	<0.5U
	Barium, Dissolved	µg/L	**1000**	200	366.9	-	658.2	910.4	694.3	359	383.3
	Beryllium, Dissolved	µg/L	**3**	<4U	<0.5U	-	<0.2U	<0.53U	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	**5**	<4U	<0.2U	-	<0.1U	<0.29U	0.09J	0.97	<0.2U
	Calcium, Dissolved	µg/L		160,000	217,000	-	358,000	455,000	419,000	243,000	243,000
	Chromium, Dissolved	µg/L	**50**	<50U	1.56	-	1.6J	<0.89U	<1U	<0.17U	<1U
	Cobalt, Dissolved	µg/L		<20U	0.33J	-	<0.1U	<0.81U	<0.5U	0.29J	<0.5U
	Copper, Dissolved	µg/L	**200**	<50U	0.68J	-	<0.3U	<1.92U	1.1	0.4J	1.52
	Iron, Dissolved	µg/L	**300**	**1200**	**19,400**	-	**26,500**	**19,200**	43J	101	55.3
	Lead, Dissolved	µg/L	**25**	<4U	<1U	-	<0.1U	<1.71U	<1U	<0.34U	<1U
	Magnesium, Dissolved	µg/L	**35000**	8200	11,600	-	17,900	24,300	24,900	18,000	16,300
	Manganese, Dissolved	µg/L	**300**	**810**	**971.8**	-	**1939**	**1551**	**744.6**	**361.7**	**522.6**
	Mercury, Dissolved	µg/L	**0.7**	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	**100**	<50U	3.29	-	5	<2.78U	1.44J	1J	<2U
	Potassium, Dissolved	µg/L		19,000	17,800	-	25,500	33,600	29,500	21,200	23,300
	Selenium, Dissolved	µg/L	**10**	<40U	1.08J	-	<1U	<8.65U	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	**50**	<20U	<0.4U	-	<0.1U	<0.81U	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	**20000**	**450,000J**	**500,000**	-	**866,000**	**1,320,000**	**1,060,000**	**558,000**	**666,000**
	Thallium, Dissolved	µg/L	**0.5**	<10U	<0.5U	-	<0.1U	<0.71U	<0.5U	<0.14U	<0.5U
	Vanadium, Dissolved	µg/L		<50U	0.48J	-	<0.6U	<7.85U	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	**2000**	<50U	3.82J	-	<2.6U	<17.05U	3.79J	15.21	<10U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-2R	MW-2R
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**								
Total Metals	Aluminum, Total	µg/L		1700J	4070	1660	1110	16.9	272	358	221
	Antimony, Total	µg/L	**3**	<12U	**4.21**	2.4	0.8J	<0.42U	<4U	0.47J	<4U
	Arsenic, Total	µg/L	**25**	<8U	19.91	8.5	2.7	1.4	1.77	4.43	4.2
	Barium, Total	µg/L	**1000**	160	167.5	224.5	225.3	277.4	192.2	366.9	365.5
	Beryllium, Total	µg/L	**3**	<4U	0.21J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U	<0.5U
	Cadmium, Total	µg/L	**5**	<4U	2.45	0.1J	0.4	0.08J	0.22	<0.05U	<0.2U
	Calcium, Total	µg/L		280,000	240,000	84,900	181,000	256,000	160,000	95,400	90,300
	Chromium, Total	µg/L	**50**	<50U	14.57	10.1	18.8	2.73	5.81	1.94	1.31
	Cobalt, Total	µg/L		<20U	6.66	2.3	2	1.36	1.51	0.38J	<0.5U
	Copper, Total	µg/L	**200**	<50U	88.29	26.2	18.3	<0.38U	7.73	4.86	2.84
	Iron, Total	µg/L	**300**	**9000J**	**30,600**	**24,000**	**7430**	**3690**	**4730**	**18,900**	**17,800**
	Lead, Total	µg/L	**25**	**49J**	**375.6**	**165.3**	**76.1**	0.83J	17.16	22.73	13.68
	Magnesium, Total	µg/L	**35000**	**120,000**	**137,000**	33,800	31,500	**39,900**	28,500	**44,300**	**41,300**
	Manganese, Total	µg/L	**300**	**790**	**1016**	**624.2**	**2788**	**2707**	**1841**	**984.3**	**857.4**
	Mercury, Total	µg/L	**0.7**	<1U	**12.5**	0.36	0.1J	<0.06U	<0.2U	<0.09U	<0.2U
	Nickel, Total	µg/L	**100**	<50U	45.52	6.1	20.4	7.27	9.07	0.65J	<2U
	Potassium, Total	µg/L		48,000	70,000	15,300	16,500	19,200	14,200	19,300	18,600
	Selenium, Total	µg/L	**10**	<40U	1.18J	<5U	<1U	<1.73U	<5U	<1.73U	<5U
	Silver, Total	µg/L	**50**	<20U	0.33J	<0.4U	0.1J	<0.16U	<0.4U	<0.16U	<0.4U
	Sodium, Total	µg/L	**20000**	**660,000J**	**1,130,000**	**215,000**	**333,000**	**478,000**	**325,000**	**250,000**	**238,000**
	Thallium, Total	µg/L	**0.5**	<10U	0.11J	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U	<0.5U
	Vanadium, Total	µg/L		<50U	22.13	7.6	4.1J	<1.57U	1.61J	1.68J	<5U
	Zinc, Total	µg/L	**2000**	76	1320	69.9	114.1	3.89J	31.44	6.78J	<10U
Dissolved Metals	Aluminum, Dissolved	µg/L		<180U	-	-	4J	-	6.66J	<3.27U	<10U
	Antimony, Dissolved	µg/L	**3**	<12U	-	-	0.7J	-	0.55J	0.93J	<4U
	Arsenic, Dissolved	µg/L	**25**	<8U	-	-	1	-	1.01	0.61	<0.5U
	Barium, Dissolved	µg/L	**1000**	160	-	-	213.5	-	180.8	272.9	305.4
	Beryllium, Dissolved	µg/L	**3**	<4U	-	-	<0.2U	-	<0.5U	<0.1U	<0.5U
	Cadmium, Dissolved	µg/L	**5**	<4U	-	-	<0.1U	-	<0.2U	<0.05U	<0.2U
	Calcium, Dissolved	µg/L		310,000	-	-	247,000	-	183,000	89,800	94,600
	Chromium, Dissolved	µg/L	**50**	<50U	-	-	3.3	-	0.97J	<0.17U	<1U
	Cobalt, Dissolved	µg/L		<20U	-	-	1.7	-	1.59	<0.16U	<0.5U
	Copper, Dissolved	µg/L	**200**	<50U	-	-	<0.3U	-	0.4J	<0.38U	1.06
	Iron, Dissolved	µg/L	**300**	**750**	-	-	**2090**	-	24.4J	**1010**	269
	Lead, Dissolved	µg/L	**25**	<4U	-	-	0.1J	-	<1U	<0.34U	<1U
	Magnesium, Dissolved	µg/L	**35000**	**140,000**	-	-	32,800	-	26,600	**45,500**	**43,600**
	Manganese, Dissolved	µg/L	**300**	**860**	-	-	**3892**	-	**1726**	**930.6**	**826.2**
	Mercury, Dissolved	µg/L	**0.7**	<1U	-	-	<0.06U	-	<0.2U	<0.09U	<0.2U
	Nickel, Dissolved	µg/L	**100**	<50U	-	-	14.6	-	8.42	0.73J	<2U
	Potassium, Dissolved	µg/L		54,000	-	-	16,800	-	15,800	18,200	19,400
	Selenium, Dissolved	µg/L	**10**	<40U	-	-	<1U	-	<5U	<1.73U	<5U
	Silver, Dissolved	µg/L	**50**	<20U	-	-	<0.1U	-	<0.4U	<0.16U	<0.4U
	Sodium, Dissolved	µg/L	**20000**	**750,000J**	-	-	**470,000**	-	**425,000**	**230,000**	**257,000**
	Thallium, Dissolved	µg/L	**0.5**	<10U	-	-	<0.1U	-	<0.5U	<0.14U	<0.5U
	Vanadium, Dissolved	µg/L		<50U	-	-	<0.6U	-	<5U	<1.57U	<5U
	Zinc, Dissolved	µg/L	**2000**	<50U	-	-	<2.6U	-	4.89J	<3.41U	<10U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**									
General Chemistry	Alkalinity, Total	µg/L		347,000	400,000	766,000	437,000	398,000	364,000	-	352,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		10,600	<50,000U	<40,000U	<10,000U	5400	2800	-	2300	5800
	Chemical Oxygen Demand	µg/L		690,000	1,300,000	2,800,000	46,000	20,000	47,000	-	33,000	28,000
	Chloride	µg/L	**250000**	-	**600,000**	**540,000**	**560,000**	**840,000**	**727,000**	-	**625,000**	**378,000**
	Total Organic Carbon	µg/L		5400	10,600	7500	3500	1700	4330	-	3060	1900
	Total Organic Halogen	µg/L		-	<20U	<20U	27.7	54	44.1	-	28	51.4
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.043J	<0.0833U	<0.03U	<0.03U	<0.05U
	Aroclor 1248	µg/L		<0.05U	0.768	1.46	0.286	<0.014U	0.262	<0.038U	0.085	0.161
	Aroclor 1254	µg/L		<0.05U	0.416	0.746	0.137	<0.022U	0.142	<0.014U	0.038J	0.082
	Aroclor 1260	µg/L		<0.05U	<0.083U	0.119	<0.023U	<0.023U	0.035J	<0.029U	<0.029U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	**0.09**	<0.05U	**1.18**	**2.33**	**0.423**	0.043	**0.439**	<0.038U	**0.123J**	**0.243**

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R	MW-2R
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**									
General Chemistry	Alkalinity, Total	µg/L		308,000	312,000	317,000	271,000	281,000	298,000	-	295,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		<6000U	<10,000U	<5000U	<2000U	<2000U	<2000U	-	<2000U	<2000U
	Chemical Oxygen Demand	µg/L		32,900	74,000	55,000	22,000	18,000	6000J	-	21,000	24,000
	Chloride	µg/L	**250000**	-	**270,000**	**340,000**	**340,000**	**430,000**	**376,000**	-	**472,000**	**502,000**
	Total Organic Carbon	µg/L		2800	11,200	3200	2600	2300	3120	-	11,600	2200
	Total Organic Halogen	µg/L		-	26.9	20.9	14.1J	41.1	19.9J	-	30	49.5J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	<0.03U	<0.05U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.034J	<0.022U	<0.0833U	<0.014U	<0.014U	<0.05U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U	<0.029U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	**0.09**	<0.05U	<0.083U	<0.083U	0.034J	<0.014	<0.0833U	<0.038U	<0.083U	<0.05U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**									
General Chemistry	Alkalinity, Total	µg/L		446,000	186,000	83,400	96,800	484,000	586,000	-	625,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		11,700	<5000U	<5000U	4300	<5000U	<5000U	-	9200	8400
	Chemical Oxygen Demand	µg/L		1,170,000	150,000	110,000	99,000	82,000	100,000	-	73,000	330,000
	Chloride	µg/L	**250000**	-	**460,000**	**560,000**	**620,000**	**640,000**	**879,000**	-	**840,000**	**775,000**
	Total Organic Carbon	µg/L		26,900	52,100	25,000	25,000	17,000	17,000	-	15,100	4800
	Total Organic Halogen	µg/L		-	47.4	50.5	36.9	42	19.6J	-	27	70.7J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.045J	<0.0833U	0.084	<0.03U	<0.05U
	Aroclor 1248	µg/L		<0.05U	0.11	<0.083U	<0.014U	<0.014U	0.158	<0.038U	<0.038U	0.128
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	0.114	0.064J	<0.014U	0.083
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.044J	<0.029U	<0.029U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	**0.09**	<0.05U	**0.11**	<0.083U	<0.012U	0.045	**0.316**	**0.148J**	<0.083U	**0.211**

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**									
General Chemistry	Alkalinity, Total	µg/L		637,000	387,000	455,000	370,000	377,000	421,000	-	376,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		21,000	13,000	7400	<40,000U	<2000U	<5000U	-	11,000	<5000U
	Chemical Oxygen Demand	µg/L		324,000	220,000	260,000	150,000	73,000	51,000	-	280,000	120,000
	Chloride	µg/L	**250000**	-	**1,400,000**	**1,900,000**	**4,600,000**	**3,100,000**	**3,400,000**	-	**3,940,000**	**3,170,000**
	Total Organic Carbon	µg/L		18,800	23,200	13,000	6200	9000	13,900	-	2060	5100
	Total Organic Halogen	µg/L		-	66.5	41.4	72.2	81.1	80.3	-	52.4	101J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	0.12	<0.05U
	Aroclor 1248	µg/L		<0.05U	0.195	0.216	<0.014U	<0.014U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1254	µg/L		<0.05U	0.17	0.153	<0.022U	<0.022U	<0.0833U	<0.014U	0.091	<0.05U
	Aroclor 1260	µg/L		<0.05U	0.084	0.103	<0.023U	<0.023U	<0.0833U	<0.029U	0.096	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	**0.09**	<0.05U	**0.449**	**0.472**	<0.012U	<0.014	<0.0833U	<0.038U	**0.307J**	<0.05U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**									
General Chemistry	Alkalinity, Total	µg/L		530,000	560,000	807,000	718,000	492,000	569,000	-	534,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		12,300	26,000	48,000	29,000	15,000	<10,000U	-	11,000	<10,000U
	Chemical Oxygen Demand	µg/L		994,000	320,000	180,000	580,000	71,000	95,000	-	73,000	690,000
	Chloride	µg/L	**250000**	-	**620,000**	**660,000**	**780,000**	**980,000**	**1,170,000**	-	**1,080,000**	**778,000**
	Total Organic Carbon	µg/L		24,000	35,100	21,000	22,000	16,000	15,800	-	15,600	3600
	Total Organic Halogen	µg/L		-	47.4	35.7	30.5	50.8	50.7	-	32.6	51.3J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	0.279	<0.083U	<0.014U	0.026J	<0.0833U	<0.03U	0.103	<0.05U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	0.075J	<0.038U	<0.038U	0.525
	Aroclor 1254	µg/L		<0.05U	0.187	<0.083U	0.022J	<0.022U	0.058J	<0.014U	0.044J	0.367
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.036J	<0.029U	<0.029U	0.128
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	**0.09**	<0.05U	**0.466**	<0.083U	0.022J	0.026	**0.169J**	<0.038U	**0.147J**	**1.02**

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**								
General Chemistry	Alkalinity, Total	µg/L		291,000	330,000	323,000	319,000	265,000	238,000	259,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		10,300	14,000	3300	<2000U	<2000U	<2000U	13,000	<2000U
	Chemical Oxygen Demand	µg/L		199,000	35,000	19,000J	37,000	4100J	<10,000U	280,000	26,000
	Chloride	µg/L	**250000**	-	**250,000**	240,000	170,000	91,000	108,000	120,000	81,600
	Total Organic Carbon	µg/L		5200	6440	3900	4000	2700	3940	2770	2200
	Total Organic Halogen	µg/L		-	50.4	27.9	26.3	63.6	74.8	61.9	28.1J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	<0.05U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U	<0.05U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.014U	<0.05U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	PCBs, Total	µg/L	**0.09**	<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U	<0.083U	<0.05U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019	7/20/2020
			Well ID	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8	MW-8
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**								
General Chemistry	Alkalinity, Total	µg/L		613,000	575,000	564,000	521,000	505,000	453,000	429,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		<6000U	3400	<2000U	<2000U	2800	<2000U	<2000U	<2000U
	Chemical Oxygen Demand	µg/L		359,000	49,000	42,000	56,000	55,000	29,000	35,000	22,000
	Chloride	µg/L	**250000**	-	**740,000**	**940,000**	**1,400,000**	**2,300,000**	**2,240,000**	**1,040,000**	**1,230,000**
	Total Organic Carbon	µg/L		5500	7620	2200	1600	1000	3690J	1550	<2000U
	Total Organic Halogen	µg/L		-	40.5	62.1	11.9J	40.8	46.2	111	51J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.02U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.028U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.058U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.045U	<0.05U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.057U	<0.05U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.021U	<0.05U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.043U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-
	PCBs, Total	µg/L	**0.09**	<0.05U	<0.083U	<0.083U	<0.012U	<0.014	<0.0833U	<0.083U	<0.05U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate	Duplicate
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	12/19/2018	5/30/2019	7/20/2020
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-1	MW-2R	MW-2R
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**									
General Chemistry	Alkalinity, Total	µg/L		-	391,000	315,000	436,000	403,000	363,000	-	300,000	<2000U
	Biological Oxygen Demand, Five day	µg/L		-	23,000	<5000U	<10,000U	<2000U	3300	-	3100	3000
	Chemical Oxygen Demand	µg/L		-	230,000	80,000	44,000	27,000	24,000	-	44,000	16,000
	Chloride	µg/L	**250000**	-	**1,300,000**	**350,000**	**560,000**	**840,000**	**737,000**	-	**472,000**	**508,000**
	Total Organic Carbon	µg/L		-	22,700	3400	3400	1800	4250	-	1790	940
	Total Organic Halogen	µg/L		-	46.1	22	24.7	61.1	56.7	-	29.1	55.5J
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U	<0.05U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U	<0.05U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U	<0.05U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.061	<0.0833U	<0.03U	<0.03U	<0.05U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	0.41	<0.014U	0.218	<0.038U	<0.038U	<0.05U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.238	<0.022U	0.124	<0.014U	<0.014U	<0.05U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.031J	<0.029U	<0.029U	<0.05U
	Aroclor 1262	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	Aroclor 1268	µg/L		-	<0.083U	<0.083U	-	-	-	-	-	-
	PCBs, Total	µg/L	**0.09**	<0.05U	<0.083U	<0.083U	**0.648**	0.061	**0.373**	<0.038U	<0.083U	<0.05U

TOGS 1.1.1 - Class GA Groundwater Quality Standard or Guidance Value from New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (June 1998).

[#1] - Guidance value

Baseline samples were taken by others on 11-20-2009 (pre-remediation for PCBs), 7-11-2011 (pre-remediation for alkalinity, COD, BOD, TOC, and TOX), and 6-11-2013 and 6-12-2013 (post-remediation for TCL VOCs, TAL metals - total, and TAL metals - dissolved)

U - Analyzed for but Not Detected above the identified laboratory reporting limit

J - Indicates an estimated value

(-) - No sample analyzed for specific analyte

Bold and highlighted results indicate an exceedance of standards

Attachments

Attachment A
Laboratory Analytical Report

ANALYTICAL REPORT

Lab Number:	L2030777
Client:	GHD, Inc. One Remington Park Drive Cazenovia, NY 13035
ATTN:	Ian McNamara
Phone:	(315) 679-5800
Project Name:	FRITO-LAY BROOKLYN
Project Number:	8616480
Report Date:	08/21/20

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2030777-01	WG-8616480-072020-BP-001	WATER	Not Specified	07/20/20 13:00	07/20/20
L2030777-02	WG-8616480-072020-BP-002	WATER	Not Specified	07/20/20 13:15	07/20/20
L2030777-03	WG-8616480-072020-BP-003	WATER	Not Specified	07/20/20 11:05	07/20/20
L2030777-04	WG-8616480-072020-BP-004	WATER	Not Specified	07/20/20 11:40	07/20/20
L2030777-05	WG-8616480-072020-BP-005	WATER	Not Specified	07/20/20 13:40	07/20/20
L2030777-06	WG-8616480-072020-BP-006	WATER	Not Specified	07/20/20 15:10	07/20/20
L2030777-07	WG-8616480-072020-BP-007	WATER	Not Specified	07/20/20 16:30	07/20/20
L2030777-08	WG-8616480-072020-BP-008	WATER	Not Specified	07/20/20 15:00	07/20/20

Project Name:	FRITO-LAY BROOKLYN	**Lab Number:**	L2030777
Project Number:	8616480	**Report Date:**	08/21/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	FRITO-LAY BROOKLYN	**Lab Number:**	L2030777
Project Number:	8616480	**Report Date:**	08/21/20

Case Narrative (continued)

Report Submission

The analysis of TOX and Volatile Organics was subcontracted. A copy of the laboratory report is included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Sample Receipt

L2030777-04, -05, and -06: The collection date and time were obtained from the container labels.

PCBs

L2030777-06: The surrogate recoveries were outside the acceptance criteria for decachlorobiphenyl (24%/34%); however, re-extraction could not be performed due to lack of additional sample. The results of the original analysis are reported.

Total Metals

L2030777-06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the high concentrations of target elements.

The WG1396259-3/-4 MS/MSD recoveries, performed on L2030777-03, are outside the acceptance criteria for selenium (70%/72%). A post digestion spike was performed and was within acceptance criteria.

The WG1396259-3/-4 MS/MSD recoveries for calcium (MSD at 60%), iron (MS at 134%) and sodium (50%/0%), performed on L2030777-03, do not apply because the sample concentrations are greater than four times the spike amounts added.

Dissolved Metals

The WG1396044-3/-4 MS/MSD recoveries for calcium (MSD at 170%) and sodium (MS at 0%), performed on L2030777-03, does not apply because the sample concentration is greater than four times the spike amount added.

Total Organic Carbon

Project Name:	FRITO-LAY BROOKLYN	**Lab Number:**	L2030777
Project Number:	8616480	**Report Date:**	08/21/20

Case Narrative (continued)

L2030777-08: The sample has an elevated detection limit due to the dilution required by the sample matrix. The WG1394995-4 MS recovery, performed on L2030777-03, is outside the acceptance criteria for total organic carbon (77%); however, the associated LCS recovery is within criteria. No further action was taken.

BOD, 5 day

L2030777-05 and -06: The sample was set at the correct dilution for BOD analysis according to prep screening; however, not enough depletion occurred. Therefore, the sample result is reported as "non-detect" at an elevated detection limit. Due to the expiration of the method required holding time, re-analysis could not be performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 08/21/20

ORGANICS

PCBS

Project Name: FRITO-LAY BROOKLYN
Lab Number: L2030777
Project Number: 8616480
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-01
Client ID: WG-8616480-072020-BP-001
Sample Location: Not Specified

Date Collected: 07/20/20 13:00
Date Received: 07/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 08/03/20 19:39
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 07/25/20 12:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/25/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/25/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	--	1	A
Aroclor 1221	ND		ug/l	0.050	--	1	A
Aroclor 1232	ND		ug/l	0.050	--	1	A
Aroclor 1242	ND		ug/l	0.050	--	1	A
Aroclor 1248	ND		ug/l	0.050	--	1	A
Aroclor 1254	ND		ug/l	0.050	--	1	A
Aroclor 1260	ND		ug/l	0.050	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		37-123	A
Decachlorobiphenyl	60		38-114	A
2,4,5,6-Tetrachloro-m-xylene	65		37-123	B
Decachlorobiphenyl	63		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-02
Client ID: WG-8616480-072020-BP-002
Sample Location: Not Specified

Date Collected: 07/20/20 13:15
Date Received: 07/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 08/03/20 19:46
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 07/25/20 12:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/25/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/25/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	--	1	A
Aroclor 1221	ND		ug/l	0.050	--	1	A
Aroclor 1232	ND		ug/l	0.050	--	1	A
Aroclor 1242	ND		ug/l	0.050	--	1	A
Aroclor 1248	ND		ug/l	0.050	--	1	A
Aroclor 1254	ND		ug/l	0.050	--	1	A
Aroclor 1260	ND		ug/l	0.050	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		37-123	A
Decachlorobiphenyl	61		38-114	A
2,4,5,6-Tetrachloro-m-xylene	68		37-123	B
Decachlorobiphenyl	64		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-03
Client ID: WG-8616480-072020-BP-003
Sample Location: Not Specified

Date Collected: 07/20/20 11:05
Date Received: 07/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 08/03/20 19:54
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 07/25/20 12:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/25/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/25/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	--	1	A
Aroclor 1221	ND		ug/l	0.050	--	1	A
Aroclor 1232	ND		ug/l	0.050	--	1	A
Aroclor 1242	ND		ug/l	0.050	--	1	A
Aroclor 1248	0.161		ug/l	0.050	--	1	A
Aroclor 1254	0.082		ug/l	0.050	--	1	A
Aroclor 1260	ND		ug/l	0.050	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		37-123	A
Decachlorobiphenyl	42		38-114	A
2,4,5,6-Tetrachloro-m-xylene	57		37-123	B
Decachlorobiphenyl	46		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-04
Client ID: WG-8616480-072020-BP-004
Sample Location: Not Specified

Date Collected: 07/20/20 11:40
Date Received: 07/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 08/03/20 20:17
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 07/25/20 12:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/25/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/25/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	--	1	A
Aroclor 1221	ND		ug/l	0.050	--	1	A
Aroclor 1232	ND		ug/l	0.050	--	1	A
Aroclor 1242	ND		ug/l	0.050	--	1	A
Aroclor 1248	0.128		ug/l	0.050	--	1	A
Aroclor 1254	0.083		ug/l	0.050	--	1	A
Aroclor 1260	ND		ug/l	0.050	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		37-123	A
Decachlorobiphenyl	47		38-114	A
2,4,5,6-Tetrachloro-m-xylene	60		37-123	B
Decachlorobiphenyl	53		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-05
Client ID: WG-8616480-072020-BP-005
Sample Location: Not Specified

Date Collected: 07/20/20 13:40
Date Received: 07/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 08/03/20 20:25
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 07/25/20 12:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/25/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/25/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	--	1	A
Aroclor 1221	ND		ug/l	0.050	--	1	A
Aroclor 1232	ND		ug/l	0.050	--	1	A
Aroclor 1242	ND		ug/l	0.050	--	1	A
Aroclor 1248	ND		ug/l	0.050	--	1	A
Aroclor 1254	ND		ug/l	0.050	--	1	A
Aroclor 1260	ND		ug/l	0.050	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		37-123	A
Decachlorobiphenyl	48		38-114	A
2,4,5,6-Tetrachloro-m-xylene	62		37-123	B
Decachlorobiphenyl	50		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-06
Client ID: WG-8616480-072020-BP-006
Sample Location: Not Specified

Date Collected: 07/20/20 15:10
Date Received: 07/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 08/03/20 20:32
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 07/25/20 12:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/25/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/25/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	--	1	A
Aroclor 1221	ND		ug/l	0.050	--	1	A
Aroclor 1232	ND		ug/l	0.050	--	1	A
Aroclor 1242	ND		ug/l	0.050	--	1	A
Aroclor 1248	0.525		ug/l	0.050	--	1	A
Aroclor 1254	0.367		ug/l	0.050	--	1	A
Aroclor 1260	0.128		ug/l	0.050	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		37-123	A
Decachlorobiphenyl	**24**	Q	38-114	A
2,4,5,6-Tetrachloro-m-xylene	45		37-123	B
Decachlorobiphenyl	**34**	Q	38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-07
Client ID: WG-8616480-072020-BP-007
Sample Location: Not Specified

Date Collected: 07/20/20 16:30
Date Received: 07/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 08/03/20 20:40
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 07/25/20 12:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/25/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/25/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	--	1	A
Aroclor 1221	ND		ug/l	0.050	--	1	A
Aroclor 1232	ND		ug/l	0.050	--	1	A
Aroclor 1242	ND		ug/l	0.050	--	1	A
Aroclor 1248	ND		ug/l	0.050	--	1	A
Aroclor 1254	ND		ug/l	0.050	--	1	A
Aroclor 1260	ND		ug/l	0.050	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		37-123	A
Decachlorobiphenyl	47		38-114	A
2,4,5,6-Tetrachloro-m-xylene	63		37-123	B
Decachlorobiphenyl	56		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-08
Client ID: WG-8616480-072020-BP-008
Sample Location: Not Specified

Date Collected: 07/20/20 15:00
Date Received: 07/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 08/03/20 20:47
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 07/25/20 12:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/25/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/25/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.050	--	1	A
Aroclor 1221	ND		ug/l	0.050	--	1	A
Aroclor 1232	ND		ug/l	0.050	--	1	A
Aroclor 1242	ND		ug/l	0.050	--	1	A
Aroclor 1248	ND		ug/l	0.050	--	1	A
Aroclor 1254	ND		ug/l	0.050	--	1	A
Aroclor 1260	ND		ug/l	0.050	--	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		37-123	A
Decachlorobiphenyl	45		38-114	A
2,4,5,6-Tetrachloro-m-xylene	66		37-123	B
Decachlorobiphenyl	53		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 127,608.3
Analytical Date: 08/03/20 19:24
Analyst: JAW

Extraction Method: EPA 608.3
Extraction Date: 07/25/20 12:30
Cleanup Method: EPA 3665A
Cleanup Date: 07/25/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/25/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1395536-1						
Aroclor 1016	ND		ug/l	0.050	--	A
Aroclor 1221	ND		ug/l	0.050	--	A
Aroclor 1232	ND		ug/l	0.050	--	A
Aroclor 1242	ND		ug/l	0.050	--	A
Aroclor 1248	ND		ug/l	0.050	--	A
Aroclor 1254	ND		ug/l	0.050	--	A
Aroclor 1260	ND		ug/l	0.050	--	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		37-123	A
Decachlorobiphenyl	57		38-114	A
2,4,5,6-Tetrachloro-m-xylene	63		37-123	B
Decachlorobiphenyl	61		38-114	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L2030777

Report Date: 08/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1395536-2									
Aroclor 1016	74		-		50-140	-		36	A
Aroclor 1260	61		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70				37-123	A
Decachlorobiphenyl	48				38-114	A
2,4,5,6-Tetrachloro-m-xylene	67				37-123	B
Decachlorobiphenyl	49				38-114	B

Matrix Spike Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L2030777

Report Date: 08/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1395536-3 WG1395536-4 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003													
Aroclor 1016	ND	1.56	1.11	71		1.08	69		50-140	3		36	A
Aroclor 1260	ND	1.56	0.776	50		0.813	52		8-140	5		38	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		61		37-123	A
Decachlorobiphenyl	46		48		38-114	A
2,4,5,6-Tetrachloro-m-xylene	62		60		37-123	B
Decachlorobiphenyl	50		53		38-114	B

METALS

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-01 Date Collected: 07/20/20 13:00

Client ID: WG-8616480-072020-BP-001 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.231		mg/l	0.0100	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00436		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Barium, Total	0.3810		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Calcium, Total	93.6		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Chromium, Total	0.00140		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Copper, Total	0.00283		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Iron, Total	17.7		mg/l	0.0500	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Lead, Total	0.01312		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Magnesium, Total	42.1		mg/l	0.0700	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Manganese, Total	0.8689		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	--	1	08/07/20 18:00	08/08/20 14:15	EPA 7470A	1,7470A	AL
Nickel, Total	ND		mg/l	0.00200	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Potassium, Total	19.0		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Sodium, Total	244.		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	--	1	08/06/20 10:56	08/07/20 09:16	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00058		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.3163		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-01 Date Collected: 07/20/20 13:00

Client ID: WG-8616480-072020-BP-001 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Calcium, Dissolved	94.1		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.404		mg/l	0.0500	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	42.7		mg/l	0.0700	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.8302		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	--	1	08/06/20 04:40	08/06/20 11:03	EPA 7470A	1,7470A	EW
Nickel, Dissolved	ND		mg/l	0.00200	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Potassium, Dissolved	19.3		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Sodium, Dissolved	254.		mg/l	0.150	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	--	1	08/05/20 19:59	08/06/20 10:26	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-02 Date Collected: 07/20/20 13:15

Client ID: WG-8616480-072020-BP-002 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.221		mg/l	0.0100	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00420		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Barium, Total	0.3655		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Calcium, Total	90.3		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Chromium, Total	0.00131		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Copper, Total	0.00284		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Iron, Total	17.8		mg/l	0.0500	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Lead, Total	0.01368		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Magnesium, Total	41.3		mg/l	0.0700	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Manganese, Total	0.8574		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	--	1	08/07/20 18:00	08/08/20 14:17	EPA 7470A	1,7470A	AL
Nickel, Total	ND		mg/l	0.00200	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Potassium, Total	18.6		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Sodium, Total	238.		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	--	1	08/06/20 10:56	08/07/20 09:58	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.3054		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-02 Date Collected: 07/20/20 13:15

Client ID: WG-8616480-072020-BP-002 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Calcium, Dissolved	94.6		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00106		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.269		mg/l	0.0500	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	43.6		mg/l	0.0700	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.8262		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	--	1	08/06/20 04:40	08/06/20 11:06	EPA 7470A	1,7470A	EW
Nickel, Dissolved	ND		mg/l	0.00200	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Potassium, Dissolved	19.4		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Sodium, Dissolved	257.		mg/l	0.150	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	--	1	08/05/20 19:59	08/06/20 10:31	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-03 Date Collected: 07/20/20 11:05

Client ID: WG-8616480-072020-BP-003 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.536		mg/l	0.0100	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00242		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Barium, Total	0.1639		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00025		mg/l	0.00020	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Calcium, Total	132.		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Chromium, Total	0.00643		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00146		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Copper, Total	0.01081		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Iron, Total	6.26		mg/l	0.0500	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Lead, Total	0.02489		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Magnesium, Total	33.8		mg/l	0.0700	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Manganese, Total	1.747		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	--	1	08/07/20 18:00	08/08/20 14:10	EPA 7470A	1,7470A	AL
Nickel, Total	0.01326		mg/l	0.00200	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Potassium, Total	13.0		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Sodium, Total	233.		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Zinc, Total	0.04837		mg/l	0.01000	--	1	08/06/20 10:56	08/07/20 09:11	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1274		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-03 Date Collected: 07/20/20 11:05

Client ID: WG-8616480-072020-BP-003 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Calcium, Dissolved	119.		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00124		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.103		mg/l	0.0500	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	32.0		mg/l	0.0700	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Manganese, Dissolved	1.600		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	--	1	08/06/20 04:40	08/06/20 10:52	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00969		mg/l	0.00200	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Potassium, Dissolved	11.9		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Sodium, Dissolved	220.		mg/l	0.150	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.01222		mg/l	0.01000	--	1	08/05/20 19:59	08/06/20 09:33	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-04 Date Collected: 07/20/20 11:40

Client ID: WG-8616480-072020-BP-004 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.453		mg/l	0.0100	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00284		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Barium, Total	0.1658		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00038		mg/l	0.00020	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Calcium, Total	205.		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Chromium, Total	0.00167		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00092		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Copper, Total	0.00335		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Iron, Total	0.846		mg/l	0.0500	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Lead, Total	0.01126		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Magnesium, Total	30.8		mg/l	0.0700	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Manganese, Total	0.6066		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	--	1	08/07/20 18:00	08/08/20 14:22	EPA 7470A	1,7470A	AL
Nickel, Total	0.00494		mg/l	0.00200	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Potassium, Total	47.9		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Sodium, Total	437.		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Zinc, Total	0.05030		mg/l	0.01000	--	1	08/06/20 10:56	08/07/20 10:03	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0420		mg/l	0.0100	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00222		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1547		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-04 Date Collected: 07/20/20 11:40

Client ID: WG-8616480-072020-BP-004 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Calcium, Dissolved	194.		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00058		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	29.7		mg/l	0.0700	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.5633		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	--	1	08/06/20 04:40	08/06/20 11:08	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00338		mg/l	0.00200	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Potassium, Dissolved	46.4		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Sodium, Dissolved	436.		mg/l	0.150	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	--	1	08/05/20 19:59	08/06/20 10:36	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-05 Date Collected: 07/20/20 13:40

Client ID: WG-8616480-072020-BP-005 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0212		mg/l	0.0100	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00198		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Barium, Total	0.07967		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Calcium, Total	150.		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00056		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Copper, Total	0.00149		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Iron, Total	1.85		mg/l	0.0500	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Lead, Total	0.00341		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Magnesium, Total	180.		mg/l	0.0700	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Manganese, Total	0.2680		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	--	1	08/07/20 18:00	08/08/20 14:24	EPA 7470A	1,7470A	AL
Nickel, Total	0.00385		mg/l	0.00200	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Potassium, Total	78.9		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Sodium, Total	1800		mg/l	10.0	--	100	08/06/20 10:56	08/07/20 09:26	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Zinc, Total	0.01024		mg/l	0.01000	--	1	08/06/20 10:56	08/07/20 09:06	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00132		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.07676		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-05 Date Collected: 07/20/20 13:40

Client ID: WG-8616480-072020-BP-005 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Calcium, Dissolved	158.		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00069		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	200.		mg/l	0.0700	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.2690		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	--	1	08/06/20 04:40	08/06/20 11:10	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.00396		mg/l	0.00200	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Potassium, Dissolved	79.3		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Sodium, Dissolved	1980		mg/l	15.0	--	100	08/05/20 19:59	08/06/20 10:51	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	--	1	08/05/20 19:59	08/06/20 10:41	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-06
Client ID: WG-8616480-072020-BP-006
Sample Location: Not Specified
Date Collected: 07/20/20 15:10
Date Received: 07/20/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	38.0		mg/l	0.0500	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Antimony, Total	0.03771		mg/l	0.02000	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Arsenic, Total	0.1677		mg/l	0.00250	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Barium, Total	0.8987		mg/l	0.00250	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00285		mg/l	0.00250	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00726		mg/l	0.00100	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Calcium, Total	445.		mg/l	0.500	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Chromium, Total	0.08598		mg/l	0.00500	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Cobalt, Total	0.04180		mg/l	0.00250	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Copper, Total	0.6564		mg/l	0.00500	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Iron, Total	112.		mg/l	0.250	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Lead, Total	2.312		mg/l	0.00500	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Magnesium, Total	50.3		mg/l	0.350	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Manganese, Total	2.856		mg/l	0.00500	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Mercury, Total	0.00431		mg/l	0.00020	--	1	08/07/20 18:00	08/08/20 14:25	EPA 7470A	1,7470A	AL
Nickel, Total	0.1407		mg/l	0.01000	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Potassium, Total	62.4		mg/l	0.500	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.0250	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00200	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Sodium, Total	506.		mg/l	0.500	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00250	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Vanadium, Total	0.1551		mg/l	0.02500	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Zinc, Total	3.089		mg/l	0.05000	--	5	08/06/20 10:56	08/07/20 10:08	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0242		mg/l	0.0100	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00938		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.09496		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-06 Date Collected: 07/20/20 15:10

Client ID: WG-8616480-072020-BP-006 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Calcium, Dissolved	240.		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00175		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00167		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.138		mg/l	0.0500	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00350		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	34.2		mg/l	0.0700	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.6567		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	--	1	08/06/20 04:40	08/06/20 11:12	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.01023		mg/l	0.00200	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Potassium, Dissolved	53.8		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Sodium, Dissolved	440.		mg/l	15.0	--	100	08/05/20 19:59	08/06/20 11:21	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.03309		mg/l	0.01000	--	1	08/05/20 19:59	08/06/20 10:46	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-07 Date Collected: 07/20/20 16:30

Client ID: WG-8616480-072020-BP-007 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1.08		mg/l	0.0100	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00307		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Barium, Total	0.08907		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Calcium, Total	77.9		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Chromium, Total	0.1477		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00262		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Copper, Total	0.00564		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Iron, Total	8.69		mg/l	0.0500	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Lead, Total	0.01432		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Magnesium, Total	13.1		mg/l	0.0700	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Manganese, Total	1.703		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	--	1	08/07/20 18:00	08/08/20 14:27	EPA 7470A	1,7470A	AL
Nickel, Total	0.2657		mg/l	0.00200	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Potassium, Total	8.87		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Sodium, Total	57.0		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Zinc, Total	0.02066		mg/l	0.01000	--	1	08/06/20 10:56	08/07/20 10:13	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0110		mg/l	0.0100	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00068		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.07083		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-07 Date Collected: 07/20/20 16:30

Client ID: WG-8616480-072020-BP-007 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Calcium, Dissolved	81.6		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00185		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00155		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.120		mg/l	0.0500	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	13.2		mg/l	0.0700	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Manganese, Dissolved	1.675		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	--	1	08/06/20 04:40	08/06/20 11:15	EPA 7470A	1,7470A	EW
Nickel, Dissolved	0.1423		mg/l	0.00200	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Potassium, Dissolved	8.93		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Sodium, Dissolved	59.4		mg/l	0.150	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	--	1	08/05/20 19:59	08/06/20 11:12	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-08 Date Collected: 07/20/20 15:00

Client ID: WG-8616480-072020-BP-008 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.533		mg/l	0.0100	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00056		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Barium, Total	0.4794		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00027		mg/l	0.00020	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Calcium, Total	256.		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Chromium, Total	0.00196		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Copper, Total	0.00210		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Iron, Total	18.6		mg/l	0.0500	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Lead, Total	0.00278		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Magnesium, Total	16.8		mg/l	0.0700	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Manganese, Total	0.6277		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	--	1	08/07/20 18:00	08/08/20 14:29	EPA 7470A	1,7470A	AL
Nickel, Total	0.00431		mg/l	0.00200	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Potassium, Total	25.1		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Sodium, Total	673.		mg/l	10.0	--	100	08/06/20 10:56	08/07/20 10:23	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	--	1	08/06/20 10:56	08/07/20 10:18	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0179		mg/l	0.0100	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.3833		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-08 Date Collected: 07/20/20 15:00

Client ID: WG-8616480-072020-BP-008 Date Received: 07/20/20

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Calcium, Dissolved	243.		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00152		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.0553		mg/l	0.0500	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	16.3		mg/l	0.0700	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.5226		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	--	1	08/06/20 04:40	08/06/20 11:17	EPA 7470A	1,7470A	EW
Nickel, Dissolved	ND		mg/l	0.00200	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Potassium, Dissolved	23.3		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Sodium, Dissolved	666.		mg/l	15.0	--	100	08/05/20 19:59	08/06/20 11:42	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	--	1	08/05/20 19:59	08/06/20 11:17	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1396044-1										
Aluminum, Dissolved	ND		mg/l	0.0100	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Iron, Dissolved	ND		mg/l	0.0500	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.150	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	--	1	08/05/20 19:59	08/06/20 08:59	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1396110-1										
Mercury, Dissolved	ND		mg/l	0.00020	--	1	08/06/20 04:40	08/06/20 10:47	1,7470A	EW

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1396259-1										
Aluminum, Total	ND		mg/l	0.0100	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	--	1	08/06/20 10:56	08/07/20 08:42	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1396771-1										
Mercury, Total	ND		mg/l	0.00020	--	1	08/07/20 18:00	08/08/20 14:07	1,7470A	AL

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L2030777

Report Date: 08/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1396044-2								
Aluminum, Dissolved	103		-		80-120	-		
Antimony, Dissolved	101		-		80-120	-		
Arsenic, Dissolved	107		-		80-120	-		
Barium, Dissolved	101		-		80-120	-		
Beryllium, Dissolved	108		-		80-120	-		
Cadmium, Dissolved	106		-		80-120	-		
Calcium, Dissolved	108		-		80-120	-		
Chromium, Dissolved	99		-		80-120	-		
Cobalt, Dissolved	98		-		80-120	-		
Copper, Dissolved	98		-		80-120	-		
Iron, Dissolved	99		-		80-120	-		
Lead, Dissolved	108		-		80-120	-		
Magnesium, Dissolved	108		-		80-120	-		
Manganese, Dissolved	99		-		80-120	-		
Nickel, Dissolved	96		-		80-120	-		
Potassium, Dissolved	108		-		80-120	-		
Selenium, Dissolved	108		-		80-120	-		
Silver, Dissolved	101		-		80-120	-		
Sodium, Dissolved	104		-		80-120	-		
Thallium, Dissolved	105		-		80-120	-		
Vanadium, Dissolved	101		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L2030777

Report Date: 08/21/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1396044-2					
Zinc, Dissolved	106	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1396110-2					
Mercury, Dissolved	99	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L2030777

Report Date: 08/21/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1396259-2					
Aluminum, Total	103	-	80-120	-	
Antimony, Total	86	-	80-120	-	
Arsenic, Total	103	-	80-120	-	
Barium, Total	104	-	80-120	-	
Beryllium, Total	113	-	80-120	-	
Cadmium, Total	108	-	80-120	-	
Calcium, Total	97	-	80-120	-	
Chromium, Total	102	-	80-120	-	
Cobalt, Total	101	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	104	-	80-120	-	
Lead, Total	106	-	80-120	-	
Magnesium, Total	106	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	107	-	80-120	-	
Selenium, Total	115	-	80-120	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	99	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L2030777

Report Date: 08/21/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1396259-2					
Zinc, Total	116	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1396771-2					
Mercury, Total	99	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1396044-3 WG1396044-4 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003												
Aluminum, Dissolved	ND	2	2.11	106		2.08	104		75-125	1		20
Antimony, Dissolved	ND	0.5	0.5164	103		0.5193	104		75-125	1		20
Arsenic, Dissolved	ND	0.12	0.1275	106		0.1327	110		75-125	4		20
Barium, Dissolved	0.1274	2	2.068	97		2.124	100		75-125	3		20
Beryllium, Dissolved	ND	0.05	0.05181	104		0.05726	114		75-125	10		20
Cadmium, Dissolved	ND	0.051	0.05097	100		0.05339	105		75-125	5		20
Calcium, Dissolved	119	10	130	110		136	**170**	Q	75-125	5		20
Chromium, Dissolved	ND	0.2	0.1878	94		0.1921	96		75-125	2		20
Cobalt, Dissolved	0.00124	0.5	0.4759	95		0.4862	97		75-125	2		20
Copper, Dissolved	ND	0.25	0.2396	96		0.2492	100		75-125	4		20
Iron, Dissolved	0.103	1	1.20	110		1.12	102		75-125	7		20
Lead, Dissolved	ND	0.51	0.5449	107		0.5449	107		75-125	0		20
Magnesium, Dissolved	32.0	10	42.0	100		44.0	120		75-125	5		20
Manganese, Dissolved	1.600	0.5	2.056	91		2.202	120		75-125	7		20
Nickel, Dissolved	0.00969	0.5	0.4652	91		0.4709	92		75-125	1		20
Potassium, Dissolved	11.9	10	22.3	104		23.4	115		75-125	5		20
Selenium, Dissolved	ND	0.12	0.131	109		0.138	115		75-125	5		20
Silver, Dissolved	ND	0.05	0.04892	98		0.04904	98		75-125	0		20
Sodium, Dissolved	220	10	215	**0**	Q	228	80		75-125	6		20
Thallium, Dissolved	ND	0.12	0.1276	106		0.1249	104		75-125	2		20
Vanadium, Dissolved	ND	0.5	0.4932	99		0.4961	99		75-125	1		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1396044-3 WG1396044-4 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003									
Zinc, Dissolved	0.01222	0.5	0.5136	100	0.5256	103	75-125	2	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1396110-3 WG1396110-4 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003									
Mercury, Dissolved	ND	0.005	0.00475	95	0.00463	93	75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1396259-3 WG1396259-4 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003											
Aluminum, Total	0.536	2	2.65	106		2.66	106		75-125	0	20
Antimony, Total	ND	0.5	0.5542	111		0.5402	108		75-125	3	20
Arsenic, Total	0.00242	0.12	0.1386	113		0.1338	109		75-125	4	20
Barium, Total	0.1639	2	2.273	105		2.161	100		75-125	5	20
Beryllium, Total	ND	0.05	0.05822	116		0.05799	116		75-125	0	20
Cadmium, Total	0.00025	0.051	0.05639	110		0.05432	106		75-125	4	20
Calcium, Total	132	10	140	80		138	**60**	Q	75-125	1	20
Chromium, Total	0.00643	0.2	0.2095	102		0.2076	100		75-125	1	20
Cobalt, Total	0.00146	0.5	0.4964	99		0.4986	99		75-125	0	20
Copper, Total	0.01081	0.25	0.2674	103		0.2647	102		75-125	1	20
Iron, Total	6.26	1	7.60	**134**	Q	7.10	84		75-125	7	20
Lead, Total	0.02489	0.51	0.5780	108		0.5698	107		75-125	1	20
Magnesium, Total	33.8	10	43.7	99		43.4	96		75-125	1	20
Manganese, Total	1.747	0.5	2.257	102		2.225	96		75-125	1	20
Nickel, Total	0.01326	0.5	0.4893	95		0.4881	95		75-125	0	20
Potassium, Total	13.0	10	23.4	104		23.6	106		75-125	1	20
Selenium, Total	ND	0.12	0.0840	**70**	Q	0.0867	**72**	Q	75-125	3	20
Silver, Total	ND	0.05	0.05164	103		0.05066	101		75-125	2	20
Sodium, Total	233	10	238	**50**	Q	233	**0**	Q	75-125	2	20
Thallium, Total	ND	0.12	0.1280	107		0.1261	105		75-125	1	20
Vanadium, Total	ND	0.5	0.5052	101		0.5108	102		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 8616480-072020-BP-003	QC Batch ID: WG1396259-3				WG1396259-4		QC Sample: L2030777-03	Client ID: WG-	
Zinc, Total	0.04837	0.5	0.6168	114	0.6051	111	75-125	2	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 8616480-072020-BP-003	QC Batch ID: WG1396771-3				WG1396771-4		QC Sample: L2030777-03	Client ID: WG-	
Mercury, Total	ND	0.005	0.00425	85	0.00420	84	75-125	1	20

INORGANICS
&
MISCELLANEOUS

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-01
Client ID: WG-8616480-072020-BP-001
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 07/20/20 13:00
Date Received: 07/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, pH 8.3	ND		mg CaCO3/L	2.00	NA	1	-	07/31/20 08:55	121,2320B	BR
Chemical Oxygen Demand	24.		mg/l	10	--	1	07/24/20 17:00	07/24/20 20:00	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	07/22/20 08:30	07/27/20 09:25	121,5210B	AA
Total Organic Carbon	2.2		mg/l	2.0	--	4	-	07/26/20 17:01	1,9060A	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	502.		mg/l	12.5	--	25	-	07/23/20 22:04	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-02
Client ID: WG-8616480-072020-BP-002
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 07/20/20 13:15
Date Received: 07/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, pH 8.3	ND		mg CaCO3/L	2.00	NA	1	-	07/31/20 08:55	121,2320B	BR
Chemical Oxygen Demand	16.		mg/l	10	--	1	07/24/20 17:00	07/24/20 20:00	44,410.4	TL
BOD, 5 day	3.0		mg/l	2.0	NA	1	07/22/20 08:30	07/27/20 09:25	121,5210B	AA
Total Organic Carbon	0.94		mg/l	0.50	--	1	-	07/24/20 08:26	1,9060A	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	508.		mg/l	12.5	--	25	-	07/24/20 00:17	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-03
Client ID: WG-8616480-072020-BP-003
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 07/20/20 11:05
Date Received: 07/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, pH 8.3	ND		mg CaCO3/L	2.00	NA	1	-	07/31/20 08:55	121,2320B	BR
Chemical Oxygen Demand	28.		mg/l	10	--	1	07/24/20 17:00	07/24/20 20:00	44,410.4	TL
BOD, 5 day	5.8		mg/l	2.0	NA	1	07/22/20 08:30	07/27/20 09:25	121,5210B	AA
Total Organic Carbon	1.9		mg/l	0.50	--	1	-	07/24/20 08:26	1,9060A	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	378.		mg/l	12.5	--	25	-	07/24/20 02:06	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-04
Client ID: WG-8616480-072020-BP-004
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 07/20/20 11:40
Date Received: 07/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, pH 8.3	ND		mg CaCO3/L	2.00	NA	1	-	07/31/20 08:55	121,2320B	BR
Chemical Oxygen Demand	330		mg/l	100	--	10	07/24/20 17:00	07/24/20 20:00	44,410.4	TL
BOD, 5 day	8.4		mg/l	2.0	NA	1	07/22/20 08:30	07/27/20 09:25	121,5210B	AA
Total Organic Carbon	4.8		mg/l	0.50	--	1	-	07/24/20 08:26	1,9060A	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	775.		mg/l	12.5	--	25	-	07/23/20 21:40	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-05
Client ID: WG-8616480-072020-BP-005
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 07/20/20 13:40
Date Received: 07/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, pH 8.3	ND		mg CaCO3/L	2.00	NA	1	-	07/31/20 08:55	121,2320B	BR
Chemical Oxygen Demand	120		mg/l	10	--	1	07/24/20 17:00	07/24/20 20:00	44,410.4	TL
BOD, 5 day	ND		mg/l	5.0	NA	2.5	07/22/20 08:30	07/27/20 09:25	121,5210B	AA
Total Organic Carbon	5.1		mg/l	2.0	--	4	-	08/07/20 14:24	1,9060A	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3170		mg/l	50.0	--	100	-	07/24/20 02:42	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-06
Client ID: WG-8616480-072020-BP-006
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 07/20/20 15:10
Date Received: 07/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, pH 8.3	ND		mg CaCO3/L	2.00	NA	1	-	07/31/20 08:55	121,2320B	BR
Chemical Oxygen Demand	690		mg/l	100	--	10	07/24/20 17:00	07/24/20 20:00	44,410.4	TL
BOD, 5 day	ND		mg/l	10	NA	5	07/22/20 08:30	07/27/20 09:25	121,5210B	AA
Total Organic Carbon	3.6		mg/l	0.50	--	1	-	07/24/20 08:26	1,9060A	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	778.		mg/l	12.5	--	25	-	07/23/20 22:40	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-07
Client ID: WG-8616480-072020-BP-007
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 07/20/20 16:30
Date Received: 07/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, pH 8.3	ND		mg CaCO3/L	2.00	NA	1	-	07/31/20 08:55	121,2320B	BR
Chemical Oxygen Demand	26.		mg/l	10	--	1	07/24/20 17:00	07/24/20 20:00	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	07/22/20 08:30	07/27/20 09:25	121,5210B	AA
Total Organic Carbon	2.2		mg/l	0.50	--	1	-	07/24/20 08:26	1,9060A	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	81.6		mg/l	12.5	--	25	-	07/23/20 22:52	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L2030777
Report Date: 08/21/20

SAMPLE RESULTS

Lab ID: L2030777-08
Client ID: WG-8616480-072020-BP-008
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 07/20/20 15:00
Date Received: 07/20/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, pH 8.3	ND		mg CaCO3/L	2.00	NA	1	-	07/31/20 08:55	121,2320B	BR
Chemical Oxygen Demand	22.		mg/l	10	--	1	07/24/20 17:00	07/24/20 20:00	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	07/22/20 08:30	07/27/20 09:25	121,5210B	AA
Total Organic Carbon	ND		mg/l	2.0	--	4	-	07/26/20 17:01	1,9060A	AG
Anions by Ion Chromatography - Westborough Lab										
Chloride	1230		mg/l	12.5	--	25	-	07/23/20 23:04	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L2030777

Project Number: 8616480 **Report Date:** 08/21/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1394377-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	07/22/20 08:30	07/27/20 09:25	121,5210B	AA
General Chemistry - Westborough Lab for sample(s): 02-04,06-07 Batch: WG1394995-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/24/20 08:26	1,9060A	AG
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-08 Batch: WG1395623-1										
Chloride	ND		mg/l	0.500	--	1	-	07/23/20 20:14	44,300.0	JT
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1395648-1										
Alkalinity, pH 8.3	ND		mg CaCO3/L	2.00	NA	1	-	07/31/20 08:55	121,2320B	BR
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1395800-1										
Chemical Oxygen Demand	ND		mg/l	10	--	1	07/24/20 17:00	07/24/20 20:00	44,410.4	TL
General Chemistry - Westborough Lab for sample(s): 05 Batch: WG1396606-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	08/07/20 07:40	1,9060A	DW
General Chemistry - Westborough Lab for sample(s): 01,08 Batch: WG1396724-1										
Total Organic Carbon	ND		mg/l	0.50	--	1	-	07/26/20 17:01	1,9060A	AG

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L2030777

Report Date: 08/21/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1394377-2								
BOD, 5 day	95		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02-04,06-07 Batch: WG1394995-2								
Total Organic Carbon	101		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-08 Batch: WG1395623-2								
Chloride	103		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1395800-2								
Chemical Oxygen Demand	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 05 Batch: WG1396606-2								
Total Organic Carbon	92		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01,08 Batch: WG1396724-2								
Total Organic Carbon	99		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1394377-4 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003												
BOD, 5 day	5.8	100	96	90		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 02-04,06-07 QC Batch ID: WG1394995-4 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003												
Total Organic Carbon	1.9	4	5.0	**77**	Q	-	-		80-120	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1395623-3 WG1395623-4 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003												
Chloride	378	100	481	103		481	103		90-110	0		18
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1395800-4 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003												
Chemical Oxygen Demand	28	47.6	77	103		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1396606-4 QC Sample: L2031629-07 Client ID: MS Sample												
Total Organic Carbon	2.1	16	19	107		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01,08 QC Batch ID: WG1396724-4 QC Sample: L2031513-06 Client ID: MS Sample												
Total Organic Carbon	ND	4	4.1	103		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1394377-3 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003						
BOD, 5 day	5.8	5.8	mg/l	0		35
General Chemistry - Westborough Lab Associated sample(s): 02-04,06-07 QC Batch ID: WG1394995-3 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003						
Total Organic Carbon	1.9	1.9	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1395648-3 QC Sample: L2030777-01 Client ID: WG-8616480-072020-BP-001						
Alkalinity, pH 8.3	ND	ND	mg CaCO3/L	NC		
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1395800-3 QC Sample: L2030777-03 Client ID: WG-8616480-072020-BP-003						
Chemical Oxygen Demand	28	26	mg/l	7		20
General Chemistry - Westborough Lab Associated sample(s): 05 QC Batch ID: WG1396606-3 QC Sample: L2031629-07 Client ID: DUP Sample						
Total Organic Carbon	2.1	2.2	mg/l	5		20
General Chemistry - Westborough Lab Associated sample(s): 01,08 QC Batch ID: WG1396724-3 QC Sample: L2031513-06 Client ID: DUP Sample						
Total Organic Carbon	ND	ND	mg/l	NC		20

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent
D	Absent
E	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2030777-01A	Vial HCl preserved	A	NA		3.5	Y	Absent		SUB-8260(14)
L2030777-01B	Vial HCl preserved	A	NA		3.5	Y	Absent		SUB-8260(14)
L2030777-01C	Vial HCl preserved	A	NA		3.5	Y	Absent		SUB-8260(14)
L2030777-01D	Vial H2SO4 preserved	A	NA		3.5	Y	Absent		TOC-9060(28)
L2030777-01E	Vial H2SO4 preserved	A	NA		3.5	Y	Absent		TOC-9060(28)
L2030777-01F	Plastic 120ml unpreserved/No Headspace	A	NA		3.5	Y	Absent		ALK-8.3-2320(14)
L2030777-01G	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		-
L2030777-01H	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		TL-6020T(180),FE-6020T(180),SE-6020T(180),BA-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CD-6020T(180),CO-6020T(180)
L2030777-01I	Plastic 250ml H2SO4 preserved	A	<2	<2	3.5	Y	Absent		COD-410-LOW(28)
L2030777-01J	Plastic 950ml unpreserved	A	7	7	3.5	Y	Absent		CL-300(28),BOD-5210(2)
L2030777-01K	Amber 1000ml H2SO4 preserved	A	<2	<2	3.5	Y	Absent		SUB-TOX(28)
L2030777-01L	Amber 1000ml Na2S2O3	A	7	7	3.5	Y	Absent		NYPCB-608-2L(365)
L2030777-01M	Amber 1000ml Na2S2O3	A	7	7	3.5	Y	Absent		NYPCB-608-2L(365)
L2030777-01N	Vial H2SO4 preserved	A	NA		3.5	Y	Absent		TOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2030777-01X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.5	Y	Absent		K-6020S(180),V-6020S(180),SE-6020S(180),CU-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),ZN-6020S(180),MG-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),BA-6020S(180),TL-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2030777-02A	Vial HCl preserved	D	NA		4.1	Y	Absent		SUB-8260(14)
L2030777-02B	Vial HCl preserved	D	NA		4.1	Y	Absent		SUB-8260(14)
L2030777-02C	Vial HCl preserved	D	NA		4.1	Y	Absent		SUB-8260(14)
L2030777-02D	Vial H2SO4 preserved	D	NA		4.1	Y	Absent		TOC-9060(28)
L2030777-02E	Vial H2SO4 preserved	D	NA		4.1	Y	Absent		TOC-9060(28)
L2030777-02F	Plastic 120ml unpreserved/No Headspace	D	NA		4.1	Y	Absent		ALK-8.3-2320(14)
L2030777-02G	Plastic 250ml unpreserved	D	7	7	4.1	Y	Absent		-
L2030777-02H	Plastic 250ml HNO3 preserved	D	<2	<2	4.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2030777-02I	Plastic 250ml H2SO4 preserved	D	<2	<2	4.1	Y	Absent		COD-410-LOW(28)
L2030777-02J	Plastic 950ml unpreserved	D	7	7	4.1	Y	Absent		CL-300(28),BOD-5210(2)
L2030777-02K	Amber 1000ml H2SO4 preserved	D	<2	<2	4.1	Y	Absent		SUB-TOX(28)
L2030777-02L	Amber 1000ml Na2S2O3	D	7	7	4.1	Y	Absent		NYPCB-608-2L(365)
L2030777-02M	Amber 1000ml Na2S2O3	D	7	7	4.1	Y	Absent		NYPCB-608-2L(365)
L2030777-02N	Vial H2SO4 preserved	D	NA		4.1	Y	Absent		TOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2030777-02X	Plastic 120ml HNO3 preserved Filtrates	D	NA		4.1	Y	Absent		SE-6020S(180),K-6020S(180),CU-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),NI-6020S(180),NA-6020S(180),PB-6020S(180),BA-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2030777-03A	Vial HCl preserved	D	NA		4.1	Y	Absent		SUB-8260(14)
L2030777-03A1	Vial HCl preserved	C	NA		5.6	Y	Absent		SUB-8260(14)
L2030777-03A2	Vial HCl preserved	C	NA		5.6	Y	Absent		SUB-8260(14)
L2030777-03B	Vial HCl preserved	D	NA		4.1	Y	Absent		SUB-8260(14)
L2030777-03B1	Vial HCl preserved	C	NA		5.6	Y	Absent		SUB-8260(14)
L2030777-03B2	Vial HCl preserved	C	NA		5.6	Y	Absent		SUB-8260(14)
L2030777-03C	Vial HCl preserved	D	NA		4.1	Y	Absent		SUB-8260(14)
L2030777-03C1	Vial HCl preserved	C	NA		5.6	Y	Absent		SUB-8260(14)
L2030777-03C2	Vial HCl preserved	C	NA		5.6	Y	Absent		SUB-8260(14)
L2030777-03D	Vial H2SO4 preserved	D	NA		4.1	Y	Absent		TOC-9060(28)
L2030777-03D1	Vial H2SO4 preserved	C	NA		5.6	Y	Absent		TOC-9060(28)
L2030777-03D2	Vial H2SO4 preserved	C	NA		5.6	Y	Absent		TOC-9060(28)
L2030777-03E	Vial H2SO4 preserved	D	NA		4.1	Y	Absent		TOC-9060(28)
L2030777-03E1	Vial H2SO4 preserved	C	NA		5.6	Y	Absent		TOC-9060(28)
L2030777-03E2	Vial H2SO4 preserved	C	NA		5.6	Y	Absent		TOC-9060(28)
L2030777-03F	Plastic 120ml unpreserved/No Headspace	D	NA		4.1	Y	Absent		ALK-8.3-2320(14)
L2030777-03F1	Plastic 120ml unpreserved/No Headspace	C	NA		5.6	Y	Absent		ALK-8.3-2320(14)
L2030777-03F2	Plastic 120ml unpreserved/No Headspace	C	NA		5.6	Y	Absent		ALK-8.3-2320(14)
L2030777-03G	Plastic 250ml unpreserved	D	7	7	4.1	Y	Absent		-
L2030777-03G1	Plastic 250ml unpreserved	C	7	7	5.6	Y	Absent		-
L2030777-03G2	Plastic 250ml unpreserved	C	7	7	5.6	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2030777-03H	Plastic 250ml HNO3 preserved	D	<2	<2	4.1	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),MG-6020T(180),CD-6020T(180),CO-6020T(180)
L2030777-03H1	Plastic 250ml HNO3 preserved	C	<2	<2	5.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),MG-6020T(180),CD-6020T(180),CO-6020T(180)
L2030777-03H2	Plastic 250ml HNO3 preserved	C	<2	<2	5.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),NI-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),AL-6020T(180),AG-6020T(180),MG-6020T(180),CD-6020T(180),CO-6020T(180)
L2030777-03I	Plastic 250ml H2SO4 preserved	D	<2	<2	4.1	Y	Absent		COD-410-LOW(28)
L2030777-03I1	Plastic 250ml H2SO4 preserved	C	<2	<2	5.6	Y	Absent		COD-410-LOW(28)
L2030777-03I2	Plastic 250ml H2SO4 preserved	C	<2	<2	5.6	Y	Absent		COD-410-LOW(28)
L2030777-03J	Plastic 950ml unpreserved	D	7	7	4.1	Y	Absent		CL-300(28),BOD-5210(2)
L2030777-03J1	Plastic 950ml unpreserved	C	7	7	5.6	Y	Absent		CL-300(28),BOD-5210(2)
L2030777-03J2	Plastic 950ml unpreserved	C	7	7	5.6	Y	Absent		CL-300(28),BOD-5210(2)
L2030777-03K	Amber 1000ml H2SO4 preserved	D	<2	<2	4.1	Y	Absent		SUB-TOX(28)
L2030777-03K1	Amber 1000ml H2SO4 preserved	C	<2	<2	5.6	Y	Absent		SUB-TOX(28)
L2030777-03K2	Amber 1000ml H2SO4 preserved	C	<2	<2	5.6	Y	Absent		SUB-TOX(28)
L2030777-03L	Amber 1000ml Na2S2O3	D	7	7	4.1	Y	Absent		NYPCB-608-2L(365)
L2030777-03L1	Amber 1000ml Na2S2O3	C	7	7	5.6	Y	Absent		NYPCB-608-2L(365)
L2030777-03L2	Amber 1000ml Na2S2O3	E	7	7	3.0	Y	Absent		NYPCB-608-2L(365)
L2030777-03M	Amber 1000ml Na2S2O3	D	7	7	4.1	Y	Absent		NYPCB-608-2L(365)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2030777-03M1	Amber 1000ml Na2S2O3	C	7	7	5.6	Y	Absent		NYPCB-608-2L(365)
L2030777-03M2	Amber 1000ml Na2S2O3	C	7	7	5.6	Y	Absent		NYPCB-608-2L(365)
L2030777-03N	Vial H2SO4 preserved	D	NA		4.1	Y	Absent		TOC-9060(28)
L2030777-03N1	Vial H2SO4 preserved	C	NA		5.6	Y	Absent		TOC-9060(28)
L2030777-03N2	Vial H2SO4 preserved	C	NA		5.6	Y	Absent		TOC-9060(28)
L2030777-03X	Plastic 120ml HNO3 preserved Filtrates	C	NA		5.6	Y	Absent		K-6020S(180),SE-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),MG-6020S(180),FE-6020S(180),CR-6020S(180),CA-6020S(180),NI-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),PB-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2030777-04A	Vial HCl preserved	E	NA		3.0	Y	Absent		SUB-8260(14)
L2030777-04B	Vial HCl preserved	E	NA		3.0	Y	Absent		SUB-8260(14)
L2030777-04C	Vial HCl preserved	E	NA		3.0	Y	Absent		SUB-8260(14)
L2030777-04D	Vial H2SO4 preserved	E	NA		3.0	Y	Absent		TOC-9060(28)
L2030777-04E	Vial H2SO4 preserved	E	NA		3.0	Y	Absent		TOC-9060(28)
L2030777-04F	Plastic 120ml unpreserved/No Headspace	E	NA		3.0	Y	Absent		ALK-8.3-2320(14)
L2030777-04G	Plastic 250ml unpreserved	E	7	7	3.0	Y	Absent		-
L2030777-04H	Plastic 250ml HNO3 preserved	E	<2	<2	3.0	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),MG-6020T(180),HG-T(28),AL-6020T(180),CD-6020T(180),CO-6020T(180)
L2030777-04I	Plastic 250ml H2SO4 preserved	E	<2	<2	3.0	Y	Absent		COD-410-LOW(28)
L2030777-04J	Plastic 950ml unpreserved	E	7	7	3.0	Y	Absent		CL-300(28),BOD-5210(2)
L2030777-04K	Amber 1000ml H2SO4 preserved	E	<2	<2	3.0	Y	Absent		SUB-TOX(28)
L2030777-04L	Amber 1000ml Na2S2O3	E	7	7	3.0	Y	Absent		NYPCB-608-2L(365)
L2030777-04M	Amber 1000ml Na2S2O3	E	7	7	3.0	Y	Absent		NYPCB-608-2L(365)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2030777-04N	Vial H2SO4 preserved	E	NA		3.0	Y	Absent		TOC-9060(28)
L2030777-04X	Plastic 120ml HNO3 preserved Filtrates	E	NA		3.0	Y	Absent		CU-6020S(180),K-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),PB-6020S(180),BA-6020S(180),NI-6020S(180),TL-6020S(180),NA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2030777-05A	Vial HCl preserved	E	NA		3.0	Y	Absent		SUB-8260(14)
L2030777-05B	Vial HCl preserved	E	NA		3.0	Y	Absent		SUB-8260(14)
L2030777-05C	Vial HCl preserved	E	NA		3.0	Y	Absent		SUB-8260(14)
L2030777-05D	Vial H2SO4 preserved	E	NA		3.0	Y	Absent		TOC-9060(28)
L2030777-05E	Vial H2SO4 preserved	E	NA		3.0	Y	Absent		TOC-9060(28)
L2030777-05F	Plastic 120ml unpreserved/No Headspace	E	NA		3.0	Y	Absent		ALK-8.3-2320(14)
L2030777-05G	Plastic 250ml unpreserved	E	7	7	3.0	Y	Absent		-
L2030777-05H	Plastic 250ml HNO3 preserved	E	<2	<2	3.0	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2030777-05I	Plastic 250ml H2SO4 preserved	E	<2	<2	3.0	Y	Absent		COD-410-LOW(28)
L2030777-05J	Plastic 950ml unpreserved	E	7	7	3.0	Y	Absent		CL-300(28),BOD-5210(2)
L2030777-05K	Amber 1000ml H2SO4 preserved	E	<2	<2	3.0	Y	Absent		SUB-TOX(28)
L2030777-05L	Amber 1000ml Na2S2O3	E	7	7	3.0	Y	Absent		NYPCB-608-2L(365)
L2030777-05M	Amber 1000ml Na2S2O3	E	7	7	3.0	Y	Absent		NYPCB-608-2L(365)
L2030777-05N	Vial H2SO4 preserved	E	NA		3.0	Y	Absent		TOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2030777-05X	Plastic 120ml HNO3 preserved Filtrates	E	NA		3.0	Y	Absent		V-6020S(180),K-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),ZN-6020S(180),MG-6020S(180),CO-6020S(180),BE-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),NA-6020S(180),TL-6020S(180),PB-6020S(180),BA-6020S(180),NI-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)
L2030777-06A	Vial HCl preserved	B	NA		3.9	Y	Absent		SUB-8260(14)
L2030777-06B	Vial HCl preserved	B	NA		3.9	Y	Absent		SUB-8260(14)
L2030777-06C	Vial HCl preserved	B	NA		3.9	Y	Absent		SUB-8260(14)
L2030777-06D	Vial H2SO4 preserved	B	NA		3.9	Y	Absent		TOC-9060(28)
L2030777-06E	Vial H2SO4 preserved	B	NA		3.9	Y	Absent		TOC-9060(28)
L2030777-06F	Plastic 120ml unpreserved/No Headspace	B	NA		3.9	Y	Absent		ALK-8.3-2320(14)
L2030777-06G	Plastic 250ml unpreserved	B	7	7	3.9	Y	Absent		-
L2030777-06H	Plastic 250ml HNO3 preserved	B	<2	<2	3.9	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),NI-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),MG-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),CO-6020T(180)
L2030777-06I	Plastic 250ml H2SO4 preserved	B	<2	<2	3.9	Y	Absent		COD-410-LOW(28)
L2030777-06J	Plastic 950ml unpreserved	B	7	7	3.9	Y	Absent		CL-300(28),BOD-5210(2)
L2030777-06K	Amber 1000ml H2SO4 preserved	B	<2	<2	3.9	Y	Absent		SUB-TOX(28)
L2030777-06L	Amber 1000ml Na2S2O3	B	7	7	3.9	Y	Absent		NYPCB-608-2L(365)
L2030777-06M	Amber 1000ml Na2S2O3	B	7	7	3.9	Y	Absent		NYPCB-608-2L(365)
L2030777-06N	Vial H2SO4 preserved	B	NA		3.9	Y	Absent		TOC-9060(28)

*Values in parentheses indicate holding time in days

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2030777-06X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.9	Y	Absent		K-6020S(180),V-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),TL-6020S(180),PB-6020S(180),BA-6020S(180),NI-6020S(180),NA-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)
L2030777-07A	Vial HCl preserved	A	NA		3.5	Y	Absent		SUB-8260(14)
L2030777-07B	Vial HCl preserved	A	NA		3.5	Y	Absent		SUB-8260(14)
L2030777-07C	Vial HCl preserved	A	NA		3.5	Y	Absent		SUB-8260(14)
L2030777-07D	Vial H2SO4 preserved	A	NA		3.5	Y	Absent		TOC-9060(28)
L2030777-07E	Vial H2SO4 preserved	A	NA		3.5	Y	Absent		TOC-9060(28)
L2030777-07F	Plastic 120ml unpreserved/No Headspace	A	NA		3.5	Y	Absent		ALK-8.3-2320(14)
L2030777-07G	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		-
L2030777-07H	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		TL-6020T(180),SE-6020T(180),FE-6020T(180),BA-6020T(180),CA-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),AS-6020T(180),V-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),CD-6020T(180),MG-6020T(180),CO-6020T(180)
L2030777-07I	Plastic 250ml H2SO4 preserved	A	<2	<2	3.5	Y	Absent		COD-410-LOW(28)
L2030777-07J	Plastic 950ml unpreserved	A	7	7	3.5	Y	Absent		CL-300(28),BOD-5210(2)
L2030777-07K	Amber 1000ml H2SO4 preserved	A	<2	<2	3.5	Y	Absent		SUB-TOX(28)
L2030777-07L	Amber 1000ml Na2S2O3	A	7	7	3.5	Y	Absent		NYPCB-608-2L(365)
L2030777-07M	Amber 1000ml Na2S2O3	A	7	7	3.5	Y	Absent		NYPCB-608-2L(365)
L2030777-07N	Vial H2SO4 preserved	A	NA		3.5	Y	Absent		TOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2030777-07X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.5	Y	Absent		CU-6020S(180),SE-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),NA-6020S(180),BA-6020S(180),PB-6020S(180),NI-6020S(180),TL-6020S(180),AS-6020S(180),SB-6020S(180),AG-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2030777-08A	Vial HCl preserved	B	NA		3.9	Y	Absent		SUB-8260(14)
L2030777-08B	Vial HCl preserved	B	NA		3.9	Y	Absent		SUB-8260(14)
L2030777-08C	Vial HCl preserved	B	NA		3.9	Y	Absent		SUB-8260(14)
L2030777-08D	Vial H2SO4 preserved	B	NA		3.9	Y	Absent		TOC-9060(28)
L2030777-08E	Vial H2SO4 preserved	B	NA		3.9	Y	Absent		TOC-9060(28)
L2030777-08F	Plastic 120ml unpreserved/No Headspace	B	NA		3.9	Y	Absent		ALK-8.3-2320(14)
L2030777-08G	Plastic 250ml unpreserved	B	7	7	3.9	Y	Absent		-
L2030777-08H	Plastic 250ml HNO3 preserved	B	<2	<2	3.9	Y	Absent		TL-6020T(180),FE-6020T(180),BA-6020T(180),SE-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2030777-08I	Plastic 250ml H2SO4 preserved	B	<2	<2	3.9	Y	Absent		COD-410-LOW(28)
L2030777-08J	Plastic 950ml unpreserved	B	7	7	3.9	Y	Absent		CL-300(28),BOD-5210(2)
L2030777-08K	Amber 1000ml H2SO4 preserved	B	<2	<2	3.9	Y	Absent		SUB-TOX(28)
L2030777-08L	Amber 1000ml Na2S2O3	B	7	7	3.9	Y	Absent		NYPCB-608-2L(365)
L2030777-08M	Amber 1000ml Na2S2O3	B	7	7	3.9	Y	Absent		NYPCB-608-2L(365)
L2030777-08N	Vial H2SO4 preserved	B	NA		3.9	Y	Absent		TOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L2030777
Report Date: 08/21/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2030777-08X	Plastic 120ml HNO3 preserved Filtrates	B	NA		3.9	Y	Absent		V-6020S(180),K-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),ZN-6020S(180),MG-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),BA-6020S(180),NI-6020S(180),TL-6020S(180),NA-6020S(180),PB-6020S(180),AG-6020S(180),SB-6020S(180),AS-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)

*Values in parentheses indicate holding time in days

Project Name:	FRITO-LAY BROOKLYN	**Lab Number:**	L2030777
Project Number:	8616480	**Report Date:**	08/21/20

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report

Project Name:	FRITO-LAY BROOKLYN	**Lab Number:**	L2030777
Project Number:	8616480	**Report Date:**	08/21/20

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: Data Usability Report

Project Name:	FRITO-LAY BROOKLYN	**Lab Number:**	L2030777
Project Number:	8616480	**Report Date:**	08/21/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: Data Usability Report

Project Name:	FRITO-LAY BROOKLYN	**Lab Number:**	L2030777
Project Number:	8616480	**Report Date:**	08/21/20

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

127 Method 608.3: Organochlorine Pesticides and PCBs by GC/HSD, EPA 821-R-16-009, December 2016.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 7/21/20

ALPHA Job #: L2030777

Client Information

Client: GHD
Address: Cazenovia, NY
Phone:
Fax:
Email:

Project Information

Project Name: Frito-Lay Brooklyn
Project Location:
Project #: 86 164480
(Use Project name as Project #) ☐
Project Manager: Ian McNamara
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

* Dissolved Metals are not Field Filtered

Please specify Metals or TAL.

Sample Filtration

☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sub-TDX	PCB-608.3	Diss. Metals (Hg)	BOD-5210CL	Dbl Hg/TOH Methods	COD	ALK-8.3-2320	NYTCL-8260	TDC	Total Bottle
30777-01	WG-861648O-072020-BK-001	7/20/20	1300	WG	BKF	1	2	1	1	1	1	1	3	3	14
-02	002		1315			1	2	1	1	1	1	1	3	3	14
-03	003		1105			3	6	3	3	3	3	3	9	9	42
-04	004					1	2	1	1	1	1	1	3	3	14
-05	005					1	2	1	1	1	1	1	3	3	14
-06	006					1	2	1	1	1	1	1	3	3	14
-07	007		1630			1	2	1	1	1	1	1	3	3	14
-08	008		1500			1	2	1	1	1	1	1	3	3	14

- MS/MSD

ANALYSIS

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	7/20/20 0900		7/20/20 22:00
	7/20/20 2100		7/21/20 01:30
	22:00		

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL
World Class Chemistry

Subcontract Chain of Custody

ALS Environmental (PA)
301 Fulling Mill Road
Middletown, PA 17057

Alpha Job Number
L2030777

Client Information

Client: Alpha Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Phone: 716.427.5229
Email: mdeyo@alphalab.com

Project Information

Project Location: NY
Project Manager: Melissa Deyo

Turnaround & Deliverables Information

Due Date: 07/27/20
Deliverables:

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Project Specific Requirements and/or Report Requirements

Reference following Alpha Job Number on final report/deliverables: L2030777

Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
	WG-8616480-072020-BP-001	07-20-20 13:00	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-002	07-20-20 13:15	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-003	07-20-20 11:05	WATER	Extractable Organic Halogens (Halides)	MS;MSD
	WG-8616480-072020-BP-004	07-20-20 11:40	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-005	07-20-20 13:40	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-006	07-20-20 15:10	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-007	07-20-20 16:30	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-008	07-20-20 15:00	WATER	Extractable Organic Halogens (Halides)	

	Relinquished By:	Date/Time:	Received By:	Date/Time:
		8/11/20		
Form No: AL_subcoc				

eurofins | Environment Testing New England

☑ Final Report
☐ Revised Report

Report Date:
10-Aug-20 14:26

Laboratory Report
SC58946

Alpha Analytical
145 Flanders Rd
Westboro, MA 01581
Attn: Melissa Deyo

Project: See Chain of Custody
Project #: P2030777

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # RI907
New York # 11393
Rhode Island # LAI00368
USDA # P330-20-00109

Authorized by:

Agnes Huntley
Project Manager

Eurofins Environment Testing New Englandl holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 32 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Environment Testing New England.

Eurofins Environment Testing New England is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Environment Testing New England is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.eurofinsus.com/Spectrum for a full listing of our current certifications and fields of accreditation.

Please contact the Laboratory or Technical Director at 413-789-9018 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC58946

Project: See Chain of Custody

Project Number: P2030777

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC58946-01	WG-8616480-072020-BP-001	Ground Water	20-Jul-20 13:00	30-Jul-20 13:45
SC58946-02	WG-8616480-072020-BP-002	Ground Water	20-Jul-20 13:15	30-Jul-20 13:45
SC58946-03	WG-8616480-072020-BP-003	Ground Water	20-Jul-20 11:05	30-Jul-20 13:45
SC58946-04	WG-8616480-072020-BP-004	Ground Water	20-Jul-20 00:00	30-Jul-20 13:45
SC58946-05	WG-8616480-072020-BP-005	Ground Water	20-Jul-20 00:00	30-Jul-20 13:45
SC58946-06	WG-8616480-072020-BP-006	Ground Water	20-Jul-20 00:00	30-Jul-20 13:45
SC58946-07	WG-8616480-072020-BP-007	Ground Water	20-Jul-20 16:30	30-Jul-20 13:45
SC58946-08	WG-8616480-072020-BP-008	Ground Water	20-Jul-20 15:00	30-Jul-20 13:45
SC58946-09	Trip Blank	Trip Blank	20-Jul-20 00:00	30-Jul-20 13:45

CASE NARRATIVE:

Data has been reported to the RDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 4.3 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8260C

Laboratory Control Samples:

2001284 BS/BSD

Bromomethane percent recoveries (51/53) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

Trip Blank
WG-8616480-072020-BP-001
WG-8616480-072020-BP-002
WG-8616480-072020-BP-003
WG-8616480-072020-BP-004
WG-8616480-072020-BP-005
WG-8616480-072020-BP-006
WG-8616480-072020-BP-007
WG-8616480-072020-BP-008

Cyclohexane percent recoveries (59/59) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

Trip Blank
WG-8616480-072020-BP-001
WG-8616480-072020-BP-002
WG-8616480-072020-BP-003
WG-8616480-072020-BP-004
WG-8616480-072020-BP-005
WG-8616480-072020-BP-006
WG-8616480-072020-BP-007
WG-8616480-072020-BP-008

Methylcyclohexane percent recoveries (64/67) are outside individual acceptance criteria (70-130), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

Trip Blank
WG-8616480-072020-BP-001
WG-8616480-072020-BP-002
WG-8616480-072020-BP-003
WG-8616480-072020-BP-004
WG-8616480-072020-BP-005
WG-8616480-072020-BP-006
WG-8616480-072020-BP-007
WG-8616480-072020-BP-008

2001284-BS1

SW846 8260C

Laboratory Control Samples:

2001284-BS1

Analyte is out of acceptance range in the QC spike but the total number of out of range analytes is within overall method criteria.

Bromomethane
Cyclohexane
Methylcyclohexane

2001284-BSD1

Analyte is out of acceptance range in the QC spike but the total number of out of range analytes is within overall method criteria.

Bromomethane
Cyclohexane
Methyl acetate
Methylcyclohexane

Spikes:

2001284-MS1 *Source: SC58946-03*

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Chloroethane
Vinyl chloride

2001284-MSD1 *Source: SC58946-03*

The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

Bromomethane

Samples:

SC58946-01 *WG-8616480-072020-BP-001*

This result was analyzed outside of the EPA recommended holding time.

SC58946-02 *WG-8616480-072020-BP-002*

This result was analyzed outside of the EPA recommended holding time.

SC58946-03 *WG-8616480-072020-BP-003*

This result was analyzed outside of the EPA recommended holding time.

SC58946-04 *WG-8616480-072020-BP-004*

This result was analyzed outside of the EPA recommended holding time.

SC58946-05 *WG-8616480-072020-BP-005*

This result was analyzed outside of the EPA recommended holding time.

SC58946-06 *WG-8616480-072020-BP-006*

This result was analyzed outside of the EPA recommended holding time.

SC58946-07 *WG-8616480-072020-BP-007*

This result was analyzed outside of the EPA recommended holding time.

SW846 8260C

Samples:

SC58946-08	*WG-8616480-072020-BP-008*

This result was analyzed outside of the EPA recommended holding time.

SC58946-09	*Trip Blank*

This result was analyzed outside of the EPA recommended holding time.

Sample Acceptance Check Form

Client:	Alpha Analytical
Project:	See Chain of Custody / P2030777
Work Order:	SC58946
Sample(s) received on:	7/30/2020

The following outlines the condition of samples for the attached Chain of Custody upon receipt.

	Yes	No	N/A
Were custody seals present?	☐	☑	☐
Were custody seals intact?	☐	☐	☑
Were samples received at a temperature of ≤ 6°C?	☑	☐	☐
Were samples cooled on ice upon transfer to laboratory representative?	☑	☐	☐
Were sample containers received intact?	☑	☐	☐
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	☑	☐	☐
Were samples accompanied by a Chain of Custody document?	☑	☐	☐
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	☐	☑	☐
Did sample container labels agree with Chain of Custody document?	☑	☐	☐
Were samples received within method-specific holding times?	☑	☐	☐

Summary of Hits

Lab ID: SC58946-03 **Client ID:** WG-8616480-072020-BP-003

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
cis-1,2-Dichloroethene	1.10		1.00	µg/l	SW846 8260C
Methyl tert-butyl ether	44.0		1.00	µg/l	SW846 8260C
Vinyl chloride	9.44		1.00	µg/l	SW846 8260C

Lab ID: SC58946-04 **Client ID:** WG-8616480-072020-BP-004

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Methyl tert-butyl ether	31.1		1.00	µg/l	SW846 8260C

Lab ID: SC58946-05 **Client ID:** WG-8616480-072020-BP-005

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Methyl tert-butyl ether	9.93		1.00	µg/l	SW846 8260C

Lab ID: SC58946-06 **Client ID:** WG-8616480-072020-BP-006

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Methyl tert-butyl ether	15.5		1.00	µg/l	SW846 8260C

Lab ID: SC58946-07 **Client ID:** WG-8616480-072020-BP-007

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Benzene	0.70	J	1.00	µg/l	SW846 8260C
cis-1,2-Dichloroethene	12.8		1.00	µg/l	SW846 8260C
Trichloroethene	0.55	J	1.00	µg/l	SW846 8260C

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-001 SC58946-01	P2030777	Ground Water	20-Jul-20 13:00	30-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			I02										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.20	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.90	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00	U	µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.48	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.69	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.54	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.70	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-001 SC58946-01	P2030777	Ground Water	20-Jul-20 13:00	30-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			I02										
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.35	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00	U	µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00	U	µg/l	1.00	0.43	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0	U	µg/l	50.0	7.43	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.44	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 10.0	U	µg/l	10.0	5.14	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.39	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*91*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-002 SC58946-02	P2030777	Ground Water	20-Jul-20 13:15	30-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			I02										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.20	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.90	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00	U	µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.48	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.69	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.54	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.70	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-002 SC58946-02	P2030777	Ground Water	20-Jul-20 13:15	30-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			I02										
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.35	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00	U	µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00	U	µg/l	1.00	0.43	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0	U	µg/l	50.0	7.43	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.44	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 10.0	U	µg/l	10.0	5.14	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.39	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*101*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*91*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-003 SC58946-03	P2030777	Ground Water	20-Jul-20 11:05	30-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			I02										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.20	1	SW846 8260C	05-Aug-20	07-Aug-20	DDP	2001284	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.90	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00	U	µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.48	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**1.10**		µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.69	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	**44.0**		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.54	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.70	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-003 SC58946-03	P2030777	Ground Water	20-Jul-20 11:05	30-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			I02										
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.35	1	SW846 8260C	05-Aug-20	07-Aug-20	DDP	2001284	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	**9.44**		µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00	U	µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00	U	µg/l	1.00	0.43	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0	U	µg/l	50.0	7.43	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.44	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 10.0	U	µg/l	10.0	5.14	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.39	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-004 SC58946-04	P2030777	Ground Water	20-Jul-20 00:00	30-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			I02										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.20	1	SW846 8260C	05-Aug-20	07-Aug-20	DDP	2001284	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.90	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00	U	µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.48	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.69	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	**31.1**		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.54	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.70	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-004 SC58946-04	P2030777	Ground Water	20-Jul-20 00:00	30-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			I02										
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.35	1	SW846 8260C	05-Aug-20	07-Aug-20	DDP	2001284	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00	U	µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00	U	µg/l	1.00	0.43	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0	U	µg/l	50.0	7.43	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.44	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 10.0	U	µg/l	10.0	5.14	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.39	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*94*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*94*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-005 SC58946-05	P2030777	Ground Water	20-Jul-20 00:00	30-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			I02										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.20	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.90	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00	U	µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.48	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.69	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	**9.93**		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.54	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.70	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-005 SC58946-05	P2030777	Ground Water	20-Jul-20 00:00	30-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			I02										
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.35	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00	U	µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00	U	µg/l	1.00	0.43	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0	U	µg/l	50.0	7.43	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.44	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 10.0	U	µg/l	10.0	5.14	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.39	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*92*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-006 SC58946-06	P2030777	Ground Water	20-Jul-20 00:00	30-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			I02										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.20	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.90	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00	U	µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.48	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.69	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	**15.5**		µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.54	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.70	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-006 SC58946-06	P2030777	Ground Water	20-Jul-20 00:00	30-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			I02										
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.35	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00	U	µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00	U	µg/l	1.00	0.43	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0	U	µg/l	50.0	7.43	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.44	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 10.0	U	µg/l	10.0	5.14	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.39	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*95*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*104*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*94*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-007 SC58946-07	P2030777	Ground Water	20-Jul-20 16:30	30-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			I02										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.20	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.90	1	"	"	"	"	"	X
71-43-2	Benzene	**0.70**	J	µg/l	1.00	0.25	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00	U	µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.48	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**12.8**		µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.69	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.54	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.70	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-007 SC58946-07	P2030777	Ground Water	20-Jul-20 16:30	30-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			I02										
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.35	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
79-01-6	Trichloroethene	**0.55**	J	µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00	U	µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00	U	µg/l	1.00	0.43	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0	U	µg/l	50.0	7.43	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.44	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 10.0	U	µg/l	10.0	5.14	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.39	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*96*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-008 SC58946-08	P2030777	Ground Water	20-Jul-20 15:00	30-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			I02										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.20	1	SW846 8260C	05-Aug-20	07-Aug-20	DDP	2001284	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.90	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00	U	µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.48	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.69	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.54	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.70	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
WG-8616480-072020-BP-008 SC58946-08	P2030777	Ground Water	20-Jul-20 15:00	30-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			I02										
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.35	1	SW846 8260C	05-Aug-20	07-Aug-20	DDP	2001284	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00	U	µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00	U	µg/l	1.00	0.43	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0	U	µg/l	50.0	7.43	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.44	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 10.0	U	µg/l	10.0	5.14	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.39	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*93*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*96*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SC58946-09	P2030777	Trip Blank	20-Jul-20 00:00	30-Jul-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			I02										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.20	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	0.90	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
74-97-5	Bromochloromethane	< 1.00	U	µg/l	1.00	0.39	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.45	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.63	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	0.58	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.44	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.25	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.48	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.51	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.34	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.48	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.50	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.49	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.39	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.34	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.19	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.30	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.37	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.69	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.54	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.42	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.46	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00	U	µg/l	1.00	0.28	1	"	"	"	"	"	X
87-61-6	1,2,3-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.74	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.70	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Trip Blank SC58946-09	P2030777	Trip Blank	20-Jul-20 00:00	30-Jul-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			I02										
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.35	1	SW846 8260C	05-Aug-20	06-Aug-20	DDP	2001284	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X
75-69-4	Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00	0.23	1	"	"	"	"	"	X
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.26	1	"	"	"	"	"	X
179601-23-1	m,p-Xylene	< 2.00	U	µg/l	2.00	0.78	1	"	"	"	"	"	X
95-47-6	o-Xylene	< 1.00	U	µg/l	1.00	0.43	1	"	"	"	"	"	X
123-91-1	1,4-Dioxane	< 50.0	U	µg/l	50.0	7.43	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.44	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 10.0	U	µg/l	10.0	5.14	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.39	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*96*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*97*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*100*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*93*			*70-130 %*			"	"	"	"	"	

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001284 - SW846 5030 Water MS										
Blank (2001284-BLK1)							Prepared: 05-Aug-20 Analyzed: 06-Aug-20			
1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00						
Acetone	< 10.0	U	µg/l	10.0						
Benzene	< 1.00	U	µg/l	1.00						
Bromochloromethane	< 1.00	U	µg/l	1.00						
Bromodichloromethane	< 0.50	U	µg/l	0.50						
Bromoform	< 1.00	U	µg/l	1.00						
Bromomethane	< 2.00	U	µg/l	2.00						
2-Butanone (MEK)	< 2.00	U	µg/l	2.00						
Carbon disulfide	< 2.00	U	µg/l	2.00						
Carbon tetrachloride	< 1.00	U	µg/l	1.00						
Chlorobenzene	< 1.00	U	µg/l	1.00						
Chloroethane	< 2.00	U	µg/l	2.00						
Chloroform	< 1.00	U	µg/l	1.00						
Chloromethane	< 2.00	U	µg/l	2.00						
1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00						
Dibromochloromethane	< 0.50	U	µg/l	0.50						
1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50						
1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00						
1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00						
1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00						
Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00						
1,1-Dichloroethane	< 1.00	U	µg/l	1.00						
1,2-Dichloroethane	< 1.00	U	µg/l	1.00						
1,1-Dichloroethene	< 1.00	U	µg/l	1.00						
cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00						
trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00						
1,2-Dichloropropane	< 1.00	U	µg/l	1.00						
cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50						
trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50						
Ethylbenzene	< 1.00	U	µg/l	1.00						
2-Hexanone (MBK)	< 2.00	U	µg/l	2.00						
Isopropylbenzene	< 1.00	U	µg/l	1.00						
Methyl tert-butyl ether	< 1.00	U	µg/l	1.00						
4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00						
Methylene chloride	< 2.00	U	µg/l	2.00						
Styrene	< 1.00	U	µg/l	1.00						
1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50						
Tetrachloroethene	< 1.00	U	µg/l	1.00						
Toluene	< 1.00	U	µg/l	1.00						
1,2,3-Trichlorobenzene	< 1.00	U	µg/l	1.00						
1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00						
1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00						
1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00						
Trichloroethene	< 1.00	U	µg/l	1.00						
Trichlorofluoromethane (Freon 11)	< 1.00	U	µg/l	1.00						
Vinyl chloride	< 1.00	U	µg/l	1.00						
m,p-Xylene	< 2.00	U	µg/l	2.00						
o-Xylene	< 1.00	U	µg/l	1.00						
1,4-Dioxane	< 50.0	U	µg/l	50.0						
Cyclohexane	< 5.00	U	µg/l	5.00						

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001284 - SW846 5030 Water MS										
Blank (2001284-BLK1)					Prepared: 05-Aug-20 Analyzed: 06-Aug-20					
Methyl acetate	< 10.0	U	µg/l	10.0						
Methylcyclohexane	< 5.00	U	µg/l	5.00						
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.4*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*44.5*		µg/l		*50.0*		*89*	*70-130*		
LCS (2001284-BS1)					Prepared: 05-Aug-20 Analyzed: 06-Aug-20					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**15.8**		µg/l		20.0		79	70-130		
Acetone	**18.0**		µg/l		20.0		90	70-130		
Benzene	**18.0**		µg/l		20.0		90	70-130		
Bromochloromethane	**14.8**		µg/l		20.0		74	70-130		
Bromodichloromethane	**16.8**		µg/l		20.0		84	70-130		
Bromoform	**16.0**		µg/l		20.0		80	70-130		
Bromomethane	**10.1**	QC6	µg/l		20.0		51	70-130		
2-Butanone (MEK)	**15.2**		µg/l		20.0		76	70-130		
Carbon disulfide	**15.3**		µg/l		20.0		76	70-130		
Carbon tetrachloride	**16.1**		µg/l		20.0		81	70-130		
Chlorobenzene	**17.8**		µg/l		20.0		89	70-130		
Chloroethane	**14.0**		µg/l		20.0		70	70-130		
Chloroform	**15.9**		µg/l		20.0		79	70-130		
Chloromethane	**16.7**		µg/l		20.0		84	70-130		
1,2-Dibromo-3-chloropropane	**20.2**		µg/l		20.0		101	70-130		
Dibromochloromethane	**15.0**		µg/l		20.0		75	70-130		
1,2-Dibromoethane (EDB)	**17.4**		µg/l		20.0		87	70-130		
1,2-Dichlorobenzene	**20.6**		µg/l		20.0		103	70-130		
1,3-Dichlorobenzene	**17.3**		µg/l		20.0		87	70-130		
1,4-Dichlorobenzene	**19.1**		µg/l		20.0		95	70-130		
Dichlorodifluoromethane (Freon12)	**16.6**		µg/l		20.0		83	70-130		
1,1-Dichloroethane	**17.4**		µg/l		20.0		87	70-130		
1,2-Dichloroethane	**16.3**		µg/l		20.0		81	70-130		
1,1-Dichloroethene	**16.8**		µg/l		20.0		84	70-130		
cis-1,2-Dichloroethene	**17.9**		µg/l		20.0		90	70-130		
trans-1,2-Dichloroethene	**17.0**		µg/l		20.0		85	70-130		
1,2-Dichloropropane	**17.6**		µg/l		20.0		88	70-130		
cis-1,3-Dichloropropene	**18.0**		µg/l		20.0		90	70-130		
trans-1,3-Dichloropropene	**19.8**		µg/l		20.0		99	70-130		
Ethylbenzene	**19.1**		µg/l		20.0		96	70-130		
2-Hexanone (MBK)	**18.1**		µg/l		20.0		91	70-130		
Isopropylbenzene	**18.9**		µg/l		20.0		95	70-130		
Methyl tert-butyl ether	**17.6**		µg/l		20.0		88	70-130		
4-Methyl-2-pentanone (MIBK)	**17.5**		µg/l		20.0		87	70-130		
Methylene chloride	**16.8**		µg/l		20.0		84	70-130		
Styrene	**18.8**		µg/l		20.0		94	70-130		
1,1,2,2-Tetrachloroethane	**16.9**		µg/l		20.0		84	70-130		
Tetrachloroethene	**15.4**		µg/l		20.0		77	70-130		
Toluene	**17.0**		µg/l		20.0		85	70-130		
1,2,3-Trichlorobenzene	**17.6**		µg/l		20.0		88	70-130		
1,2,4-Trichlorobenzene	**18.2**		µg/l		20.0		91	70-130		
1,1,1-Trichloroethane	**16.8**		µg/l		20.0		84	70-130		
1,1,2-Trichloroethane	**17.0**		µg/l		20.0		85	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001284 - SW846 5030 Water MS										
LCS (2001284-BS1)					Prepared: 05-Aug-20 Analyzed: 06-Aug-20					
Trichloroethene	**17.1**		µg/l		20.0		86	70-130		
Trichlorofluoromethane (Freon 11)	**15.6**		µg/l		20.0		78	70-130		
Vinyl chloride	**20.5**		µg/l		20.0		102	70-130		
m,p-Xylene	**37.5**		µg/l		40.0		94	70-130		
o-Xylene	**18.9**		µg/l		20.0		95	70-130		
1,4-Dioxane	**194**		µg/l		200		97	70-130		
Cyclohexane	**11.8**	QC6	µg/l		20.0		59	70-130		
Methyl acetate	**14.4**		µg/l		20.0		72	70-130		
Methylcyclohexane	**12.7**	QC6	µg/l		20.0		64	70-130		
Surrogate: 4-Bromofluorobenzene	*49.3*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*48.6*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.3*		µg/l		*50.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*45.4*		µg/l		*50.0*		*91*	*70-130*		
LCS Dup (2001284-BSD1)					Prepared: 05-Aug-20 Analyzed: 06-Aug-20					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**16.1**		µg/l		20.0		80	70-130	2	20
Acetone	**17.0**		µg/l		20.0		85	70-130	5	20
Benzene	**18.6**		µg/l		20.0		93	70-130	3	20
Bromochloromethane	**15.8**		µg/l		20.0		79	70-130	6	20
Bromodichloromethane	**17.6**		µg/l		20.0		88	70-130	5	20
Bromoform	**16.0**		µg/l		20.0		80	70-130	0.2	20
Bromomethane	**10.6**	QC6	µg/l		20.0		53	70-130	5	20
2-Butanone (MEK)	**15.4**		µg/l		20.0		77	70-130	1	20
Carbon disulfide	**16.1**		µg/l		20.0		80	70-130	5	20
Carbon tetrachloride	**16.3**		µg/l		20.0		81	70-130	0.9	20
Chlorobenzene	**18.0**		µg/l		20.0		90	70-130	0.9	20
Chloroethane	**15.2**		µg/l		20.0		76	70-130	8	20
Chloroform	**16.4**		µg/l		20.0		82	70-130	3	20
Chloromethane	**16.7**		µg/l		20.0		84	70-130	0.1	20
1,2-Dibromo-3-chloropropane	**20.4**		µg/l		20.0		102	70-130	1	20
Dibromochloromethane	**16.4**		µg/l		20.0		82	70-130	9	20
1,2-Dibromoethane (EDB)	**19.3**		µg/l		20.0		96	70-130	10	20
1,2-Dichlorobenzene	**20.7**		µg/l		20.0		103	70-130	0.3	20
1,3-Dichlorobenzene	**17.7**		µg/l		20.0		88	70-130	2	20
1,4-Dichlorobenzene	**19.3**		µg/l		20.0		97	70-130	1	20
Dichlorodifluoromethane (Freon12)	**16.8**		µg/l		20.0		84	70-130	1	20
1,1-Dichloroethane	**18.3**		µg/l		20.0		92	70-130	5	20
1,2-Dichloroethane	**17.1**		µg/l		20.0		85	70-130	5	20
1,1-Dichloroethene	**16.8**		µg/l		20.0		84	70-130	0.3	20
cis-1,2-Dichloroethene	**18.6**		µg/l		20.0		93	70-130	4	20
trans-1,2-Dichloroethene	**16.9**		µg/l		20.0		85	70-130	0.5	20
1,2-Dichloropropane	**18.2**		µg/l		20.0		91	70-130	4	20
cis-1,3-Dichloropropene	**19.1**		µg/l		20.0		96	70-130	6	20
trans-1,3-Dichloropropene	**20.6**		µg/l		20.0		103	70-130	4	20
Ethylbenzene	**19.4**		µg/l		20.0		97	70-130	2	20
2-Hexanone (MBK)	**18.3**		µg/l		20.0		91	70-130	0.8	20
Isopropylbenzene	**19.2**		µg/l		20.0		96	70-130	2	20
Methyl tert-butyl ether	**18.6**		µg/l		20.0		93	70-130	5	20
4-Methyl-2-pentanone (MIBK)	**18.4**		µg/l		20.0		92	70-130	5	20
Methylene chloride	**17.5**		µg/l		20.0		88	70-130	4	20
Styrene	**19.1**		µg/l		20.0		95	70-130	1	20

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001284 - SW846 5030 Water MS										
LCS Dup (2001284-BSD1)					Prepared: 05-Aug-20 Analyzed: 06-Aug-20					
1,1,2,2-Tetrachloroethane	**17.6**		µg/l		20.0		88	70-130	4	20
Tetrachloroethene	**16.0**		µg/l		20.0		80	70-130	3	20
Toluene	**17.7**		µg/l		20.0		88	70-130	4	20
1,2,3-Trichlorobenzene	**17.8**		µg/l		20.0		89	70-130	2	20
1,2,4-Trichlorobenzene	**18.4**		µg/l		20.0		92	70-130	2	20
1,1,1-Trichloroethane	**17.0**		µg/l		20.0		85	70-130	2	20
1,1,2-Trichloroethane	**18.2**		µg/l		20.0		91	70-130	7	20
Trichloroethene	**18.4**		µg/l		20.0		92	70-130	7	20
Trichlorofluoromethane (Freon 11)	**15.8**		µg/l		20.0		79	70-130	1	20
Vinyl chloride	**20.5**		µg/l		20.0		102	70-130	0.1	20
m,p-Xylene	**37.6**		µg/l		40.0		94	70-130	0.2	20
o-Xylene	**19.0**		µg/l		20.0		95	70-130	0.5	20
1,4-Dioxane	**202**		µg/l		200		101	70-130	4	20
Cyclohexane	**11.9**	QC6	µg/l		20.0		59	70-130	0.7	30
Methyl acetate	**15.3**	QC6	µg/l		20.0		77	70-130	6	30
Methylcyclohexane	**13.5**	QC6	µg/l		20.0		67	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*49.9*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*49.1*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.4*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*45.6*		µg/l		*50.0*		*91*	*70-130*		
Matrix Spike (2001284-MS1)			**Source: SC58946-03**		Prepared: 05-Aug-20 Analyzed: 07-Aug-20					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**18.6**		µg/l		19.8	0.00	94	70-130		
Acetone	**16.3**		µg/l		19.8	0.00	83	70-130		
Benzene	**23.3**		µg/l		19.8	0.00	118	70-130		
Bromochloromethane	**20.3**		µg/l		19.8	0.00	102	70-130		
Bromodichloromethane	**21.5**		µg/l		19.8	0.00	109	70-130		
Bromoform	**18.3**		µg/l		19.8	0.00	93	70-130		
Bromomethane	**14.7**		µg/l		19.8	0.00	74	70-130		
2-Butanone (MEK)	**15.1**		µg/l		19.8	0.00	76	70-130		
Carbon disulfide	**20.7**		µg/l		19.8	0.00	105	70-130		
Carbon tetrachloride	**21.7**		µg/l		19.8	0.00	110	70-130		
Chlorobenzene	**21.8**		µg/l		19.8	0.00	110	70-130		
Chloroethane	**27.4**	QM9	µg/l		19.8	0.00	138	70-130		
Chloroform	**20.6**		µg/l		19.8	0.00	104	70-130		
Chloromethane	**20.4**		µg/l		19.8	0.00	103	70-130		
1,2-Dibromo-3-chloropropane	**20.2**		µg/l		19.8	0.00	102	70-130		
Dibromochloromethane	**19.2**		µg/l		19.8	0.00	97	70-130		
1,2-Dibromoethane (EDB)	**22.4**		µg/l		19.8	0.00	113	70-130		
1,2-Dichlorobenzene	**24.3**		µg/l		19.8	0.00	123	70-130		
1,3-Dichlorobenzene	**21.5**		µg/l		19.8	0.00	109	70-130		
1,4-Dichlorobenzene	**22.0**		µg/l		19.8	0.00	111	70-130		
Dichlorodifluoromethane (Freon12)	**14.6**		µg/l		19.8	0.00	74	70-130		
1,1-Dichloroethane	**24.6**		µg/l		19.8	0.00	124	70-130		
1,2-Dichloroethane	**22.4**		µg/l		19.8	0.00	113	70-130		
1,1-Dichloroethene	**19.8**		µg/l		19.8	0.00	100	70-130		
cis-1,2-Dichloroethene	**23.3**		µg/l		19.8	1.10	112	70-130		
trans-1,2-Dichloroethene	**21.9**		µg/l		19.8	0.00	111	70-130		
1,2-Dichloropropane	**23.0**		µg/l		19.8	0.00	116	70-130		
cis-1,3-Dichloropropene	**21.4**		µg/l		19.8	0.00	108	70-130		
trans-1,3-Dichloropropene	**23.1**		µg/l		19.8	0.00	117	70-130		

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001284 - SW846 5030 Water MS										
Matrix Spike (2001284-MS1)			**Source: SC58946-03**		Prepared: 05-Aug-20 Analyzed: 07-Aug-20					
Ethylbenzene	**23.6**		µg/l		19.8	0.00	119	70-130		
2-Hexanone (MBK)	**17.8**		µg/l		19.8	0.00	90	70-130		
Isopropylbenzene	**22.3**		µg/l		19.8	0.00	112	70-130		
Methyl tert-butyl ether	**64.8**		µg/l		19.8	44.0	105	70-130		
4-Methyl-2-pentanone (MIBK)	**20.0**		µg/l		19.8	0.00	101	70-130		
Methylene chloride	**22.1**		µg/l		19.8	0.00	112	70-130		
Styrene	**22.1**		µg/l		19.8	0.00	111	70-130		
1,1,2,2-Tetrachloroethane	**21.6**		µg/l		19.8	0.00	109	70-130		
Tetrachloroethene	**20.6**		µg/l		19.8	0.00	104	70-130		
Toluene	**22.4**		µg/l		19.8	0.00	113	70-130		
1,2,3-Trichlorobenzene	**20.6**		µg/l		19.8	0.00	104	70-130		
1,2,4-Trichlorobenzene	**21.2**		µg/l		19.8	0.00	107	70-130		
1,1,1-Trichloroethane	**22.3**		µg/l		19.8	0.00	113	70-130		
1,1,2-Trichloroethane	**22.3**		µg/l		19.8	0.00	113	70-130		
Trichloroethene	**23.0**		µg/l		19.8	0.00	116	70-130		
Trichlorofluoromethane (Freon 11)	**19.6**		µg/l		19.8	0.00	99	70-130		
Vinyl chloride	**35.5**	QM9	µg/l		19.8	9.44	132	70-130		
m,p-Xylene	**44.9**		µg/l		39.5	0.00	114	70-130		
o-Xylene	**21.9**		µg/l		19.8	0.00	111	70-130		
1,4-Dioxane	**190**		µg/l		198	0.00	96	70-130		
Cyclohexane	**49.5**		µg/l	5.00		BRL		70-130		
Methyl acetate	**49.0**		µg/l	10.0		BRL		70-130		
Methylcyclohexane	**51.2**		µg/l	5.00		BRL		70-130		
Surrogate: 4-Bromofluorobenzene	*48.7*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*48.9*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.5*		µg/l		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*49.5*		µg/l		*50.0*		*99*	*70-130*		
Matrix Spike Dup (2001284-MSD1)			**Source: SC58946-03**		Prepared: 05-Aug-20 Analyzed: 07-Aug-20					
1,1,2-Trichlorotrifluoroethane (Freon 113)	**20.0**		µg/l		19.8	0.00	101	70-130	7	20
Acetone	**15.6**		µg/l		19.8	0.00	79	70-130	5	20
Benzene	**21.9**		µg/l		19.8	0.00	111	70-130	6	20
Bromochloromethane	**18.8**		µg/l		19.8	0.00	95	70-130	7	20
Bromodichloromethane	**20.4**		µg/l		19.8	0.00	103	70-130	6	20
Bromoform	**17.4**		µg/l		19.8	0.00	88	70-130	5	20
Bromomethane	**13.6**	QM9	µg/l		19.8	0.00	69	70-130	8	20
2-Butanone (MEK)	**14.0**		µg/l		19.8	0.00	71	70-130	8	20
Carbon disulfide	**20.6**		µg/l		19.8	0.00	104	70-130	0.6	20
Carbon tetrachloride	**21.2**		µg/l		19.8	0.00	107	70-130	2	20
Chlorobenzene	**20.8**		µg/l		19.8	0.00	105	70-130	5	20
Chloroethane	**22.5**		µg/l		19.8	0.00	114	70-130	19	20
Chloroform	**19.4**		µg/l		19.8	0.00	98	70-130	6	20
Chloromethane	**19.5**		µg/l		19.8	0.00	98	70-130	4	20
1,2-Dibromo-3-chloropropane	**20.1**		µg/l		19.8	0.00	101	70-130	0.6	20
Dibromochloromethane	**18.3**		µg/l		19.8	0.00	92	70-130	5	20
1,2-Dibromoethane (EDB)	**20.6**		µg/l		19.8	0.00	104	70-130	8	20
1,2-Dichlorobenzene	**23.4**		µg/l		19.8	0.00	118	70-130	4	20
1,3-Dichlorobenzene	**20.6**		µg/l		19.8	0.00	104	70-130	5	20
1,4-Dichlorobenzene	**21.4**		µg/l		19.8	0.00	108	70-130	3	20
Dichlorodifluoromethane (Freon12)	**15.3**		µg/l		19.8	0.00	77	70-130	4	20
1,1-Dichloroethane	**22.9**		µg/l		19.8	0.00	116	70-130	7	20

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
SW846 8260C										
Batch 2001284 - SW846 5030 Water MS										
Matrix Spike Dup (2001284-MSD1)			**Source: SC58946-03**		Prepared: 05-Aug-20 Analyzed: 07-Aug-20					
1,2-Dichloroethane	**21.1**		µg/l		19.8	0.00	106	70-130	6	20
1,1-Dichloroethene	**21.3**		µg/l		19.8	0.00	108	70-130	7	20
cis-1,2-Dichloroethene	**23.0**		µg/l		19.8	1.10	111	70-130	1	20
trans-1,2-Dichloroethene	**21.6**		µg/l		19.8	0.00	109	70-130	1	20
1,2-Dichloropropane	**21.3**		µg/l		19.8	0.00	108	70-130	8	20
cis-1,3-Dichloropropene	**20.4**		µg/l		19.8	0.00	103	70-130	5	20
trans-1,3-Dichloropropene	**21.9**		µg/l		19.8	0.00	111	70-130	5	20
Ethylbenzene	**22.7**		µg/l		19.8	0.00	115	70-130	4	20
2-Hexanone (MBK)	**18.3**		µg/l		19.8	0.00	93	70-130	3	20
Isopropylbenzene	**21.7**		µg/l		19.8	0.00	110	70-130	3	20
Methyl tert-butyl ether	**63.8**		µg/l		19.8	44.0	100	70-130	2	20
4-Methyl-2-pentanone (MIBK)	**20.6**		µg/l		19.8	0.00	104	70-130	3	20
Methylene chloride	**20.6**		µg/l		19.8	0.00	104	70-130	7	20
Styrene	**21.5**		µg/l		19.8	0.00	109	70-130	3	20
1,1,2,2-Tetrachloroethane	**20.2**		µg/l		19.8	0.00	102	70-130	7	20
Tetrachloroethene	**19.8**		µg/l		19.8	0.00	100	70-130	4	20
Toluene	**21.2**		µg/l		19.8	0.00	107	70-130	5	20
1,2,3-Trichlorobenzene	**20.6**		µg/l		19.8	0.00	104	70-130	0.1	20
1,2,4-Trichlorobenzene	**20.8**		µg/l		19.8	0.00	105	70-130	2	20
1,1,1-Trichloroethane	**21.7**		µg/l		19.8	0.00	109	70-130	3	20
1,1,2-Trichloroethane	**20.2**		µg/l		19.8	0.00	102	70-130	10	20
Trichloroethene	**21.5**		µg/l		19.8	0.00	109	70-130	6	20
Trichlorofluoromethane (Freon 11)	**20.5**		µg/l		19.8	0.00	103	70-130	4	20
Vinyl chloride	**33.9**		µg/l		19.8	9.44	123	70-130	5	20
m,p-Xylene	**43.4**		µg/l		39.5	0.00	110	70-130	3	20
o-Xylene	**21.3**		µg/l		19.8	0.00	107	70-130	3	20
1,4-Dioxane	**192**		µg/l		198	0.00	97	70-130	1	20
Cyclohexane	**40.3**		µg/l	5.00		BRL		70-130	20	30
Methyl acetate	**38.3**		µg/l	10.0		BRL		70-130	24	30
Methylcyclohexane	**43.0**		µg/l	5.00		BRL		70-130	17	30
Surrogate: 4-Bromofluorobenzene	*49.0*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*48.6*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.1*		µg/l		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*49.3*		µg/l		*50.0*		*99*	*70-130*		

Notes and Definitions

I02	This result was analyzed outside of the EPA recommended holding time.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC6	Analyte is out of acceptance range in the QC spike but the total number of out of range analytes is within overall method criteria.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.
U	Analyte included in the analysis, but not detected at or above the MDL.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

SC58946 EM P2036777 Eurofins RI

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581, 8 Walkup Dr., TEL: 508-898-9220, FAX: 508-898-9193

Mansfield, MA 02048, 320 Forbes Blvd, TEL: 508-822-9300, FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab

ALPHA Job #

Project Information
Project Name: Frito-Lay Brooklyn
Project Location:
Project #: 8616480
(Use Project name as Project #) ☐
Project Manager: Ian McNamara
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Client Information
Client: GHD
Address: Cazenovia, NY
Phone:
Fax:
Email:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility: ☐ NJ ☐ NY ☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
* Dissolved Metals are not Field Filtered

Please specify Metals or TAL.

Sample Filtration: ☐ Done ☐ Lab to do
Preservation: ☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SUB-TOX	PCB-608.3	Diss. Metals (Hg)	BOD-5210CL	Total Hg/Total Metals	COD	ALK-8.3-2320	NYTCL-8260	TOC	Sample Specific Comments	Total Bottle
	WG-8616480-072020-BK-001	7/20/20	1300	WG	BKT	1	2	1	1	1	1	1	3	3	SC58946-01	14
	002	↓	1315	↓	↓	1	2	1	1	1	1	1	3	3	-02	14
	003		1105			3	6	3	3	3	3	3	9	9	MS/MSD -03	42
	004					1	2	1	1	1	1	1	3	3	-04	14
	005					1	2	1	1	1	1	1	3	3	-05	14
	006					1	2	1	1	1	1	1	3	3	-06	14
	007		1630			1	2	1	1	1	1	1	3	3	-07	14
	008		1500			1	2	1	1	1	1	1	3	3	-08	14

Preservative Code: A = None, B = HCl, C = HNO_3, D = H_2SO_4, E = NaOH, F = MeOH, G = $NaHSO_4$, H = $Na_2S_2O_3$, K/E = Zn Ac/NaOH, O = Other

Container Code: P = Plastic, A = Amber Glass, V = Vial, G = Glass, B = Bacteria Cup, C = Cube, O = Other, E = Encore, D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	7/20/20 0900	[signature]	7/20/20 22:00
[signature]	7/20/20 2100	[signature]	7/21/20 01:30
C. Calvreau AAL	7/30/20 22:00	[signature] DICKMAN	7/30/20 1200
[signature] DICKMAN	7/30/20 1340	[signature]	7/30/20 13:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

3.3/4.1/4.3 #6

Batch Summary

2001284

Volatile Organic Compounds

2001284-BLK1
2001284-BS1
2001284-BSD1
2001284-MS1
2001284-MSD1
SC58946-01 (WG-8616480-072020-BP-001)
SC58946-02 (WG-8616480-072020-BP-002)
SC58946-03 (WG-8616480-072020-BP-003)
SC58946-04 (WG-8616480-072020-BP-004)
SC58946-05 (WG-8616480-072020-BP-005)
SC58946-06 (WG-8616480-072020-BP-006)
SC58946-07 (WG-8616480-072020-BP-007)
SC58946-08 (WG-8616480-072020-BP-008)
SC58946-09 (Trip Blank)

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

August 19, 2020

Results
Alpha Analytical
145 Flanders Road
Westborough, MA 01581

Certificate of Analysis

Project Name:	**ROUTINE NY TESTING**	Workorder:	**3120759**
Purchase Order:		Workorder ID:	**L2030777**

Dear Results:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, August 12, 2020.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Ms. Amy K Borden (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Ms. Amy K Borden
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

SAMPLE SUMMARY

Workorder: 3120759 L2030777

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3120759001	WG-8616480-072020-BP-001	Water	7/20/2020 13:00	8/12/2020 10:52	Collected by Client
3120759002	WG-8616480-072020-BP-002	Water	7/20/2020 13:15	8/12/2020 10:52	Collected by Client
3120759003	WG-8616480-072020-BP-003	Water	7/20/2020 11:05	8/12/2020 10:52	Collected by Client
3120759004	WG-8616480-072020-BP-004	Water	7/20/2020 11:40	8/12/2020 10:52	Collected by Client
3120759005	WG-8616480-072020-BP-005	Water	7/20/2020 13:40	8/12/2020 10:52	Collected by Client
3120759006	WG-8616480-072020-BP-006	Water	7/20/2020 15:10	8/12/2020 10:52	Collected by Client
3120759007	WG-8616480-072020-BP-007	Water	7/20/2020 16:30	8/12/2020 10:52	Collected by Client
3120759008	WG-8616480-072020-BP-008	Water	7/20/2020 15:00	8/12/2020 10:52	Collected by Client

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

SAMPLE SUMMARY

Workorder: 3120759 L2030777

Notes

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
-- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
-- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3120759 L2030777

Lab ID: **3120759001** Date Collected: 7/20/2020 13:00 Matrix: Water

Sample ID: **WG-8616480-072020-BP-001** Date Received: 8/12/2020 10:52

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	49.5	1	ug/L	20.0	SW846 9020B			8/18/20 15:43	PAG	A

Ms. Amy K Borden
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3120759 L2030777

Lab ID: **3120759002** Date Collected: 7/20/2020 13:15 Matrix: Water

Sample ID: **WG-8616480-072020-BP-002** Date Received: 8/12/2020 10:52

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	55.5	1	ug/L	20.0	SW846 9020B			8/18/20 16:11	PAG	A

Ms. Amy K Borden
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3120759 L2030777

Lab ID: **3120759003** Date Collected: 7/20/2020 11:05 Matrix: Water

Sample ID: **WG-8616480-072020-BP-003** Date Received: 8/12/2020 10:52

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	51.4		ug/L	20.0	SW846 9020B			8/17/20 16:21	PAG	A

Ms. Amy K Borden
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3120759 L2030777

Lab ID: **3120759004** Date Collected: 7/20/2020 11:40 Matrix: Water

Sample ID: **WG-8616480-072020-BP-004** Date Received: 8/12/2020 10:52

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	70.7	1	ug/L	20.0	SW846 9020B			8/18/20 15:18	PAG	A

Ms. Amy K Borden
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3120759 L2030777

Lab ID: **3120759005** Date Collected: 7/20/2020 13:40 Matrix: Water

Sample ID: **WG-8616480-072020-BP-005** Date Received: 8/12/2020 10:52

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	101	1	ug/L	20.0	SW846 9020B			8/18/20 16:46	PAG	A

Ms. Amy K Borden
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3120759 L2030777

Lab ID: **3120759006** Date Collected: 7/20/2020 15:10 Matrix: Water

Sample ID: **WG-8616480-072020-BP-006** Date Received: 8/12/2020 10:52

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	51.3	1	ug/L	20.0	SW846 9020B			8/19/20 12:06	PAG	A

Amy K Borden

Ms. Amy K Borden
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3120759 L2030777

Lab ID: **3120759007** Date Collected: 7/20/2020 16:30 Matrix: Water

Sample ID: **WG-8616480-072020-BP-007** Date Received: 8/12/2020 10:52

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	28.1	1	ug/L	20.0	SW846 9020B			8/19/20 15:45	PAG	A

Ms. Amy K Borden
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3120759 L2030777

Lab ID: **3120759008** Date Collected: 7/20/2020 15:00 Matrix: Water

Sample ID: **WG-8616480-072020-BP-008** Date Received: 8/12/2020 10:52

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	51.0	1	ug/L	20.0	SW846 9020B			8/19/20 11:38	PAG	A

Ms. Amy K Borden
Project Coordinator

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3120759 L2030777

PARAMETER QUALIFIERS

Lab ID	#	Sample ID	Analytical Method	Analyte
3120759001	1	WG-8616480-072020-BP-001	SW846 9020B	Halogen, Total Organic (TOX)
Analyte was analyzed past the 28 day holding time.				
3120759002	1	WG-8616480-072020-BP-002	SW846 9020B	Halogen, Total Organic (TOX)
Analyte was analyzed past the 28 day holding time.				
3120759004	1	WG-8616480-072020-BP-004	SW846 9020B	Halogen, Total Organic (TOX)
Analyte was analyzed past the 28 day holding time.				
3120759005	1	WG-8616480-072020-BP-005	SW846 9020B	Halogen, Total Organic (TOX)
Analyte was analyzed past the 28 day holding time.				
3120759006	1	WG-8616480-072020-BP-006	SW846 9020B	Halogen, Total Organic (TOX)
Analyte was analyzed past the 28 day holding time.				
3120759007	1	WG-8616480-072020-BP-007	SW846 9020B	Halogen, Total Organic (TOX)
Analyte was analyzed past the 28 day holding time.				
3120759008	1	WG-8616480-072020-BP-008	SW846 9020B	Halogen, Total Organic (TOX)
Analyte was analyzed past the 28 day holding time.				

ALS Environmental

301 Fulling Mill Road - Middletown, PA 17057 - Phone: 717-944-5541 - Fax: 717-944-1430 - www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3120759 L2030777

Lab ID	Sample ID	Analysis Method	Prep Method	Leachate Method
3120759001	WG-8616480-072020-BP-001	SW846 9020B		
3120759002	WG-8616480-072020-BP-002	SW846 9020B		
3120759003	WG-8616480-072020-BP-003	SW846 9020B		
3120759004	WG-8616480-072020-BP-004	SW846 9020B		
3120759005	WG-8616480-072020-BP-005	SW846 9020B		
3120759006	WG-8616480-072020-BP-006	SW846 9020B		
3120759007	WG-8616480-072020-BP-007	SW846 9020B		
3120759008	WG-8616480-072020-BP-008	SW846 9020B		

Subcontract Chain of Custody

ALS Environmental (PA)
301 Fulling Mill Road
Middletown, PA 17057

3120759

Alpha Job Number
L2030777

Client Information

Client: Alpha Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Phone: 716.427.5229
Email: mdeyo@alphalab.com

Project Information

Project Location: NY
Project Manager: Melissa Deyo

Turnaround & Deliverables Information

Due Date: 07/27/20
Deliverables:

Regulatory Requirements/Report Limits

State/Federal Program:
Regulatory Criteria:

Project Specific Requirements and/or Report Requirements

Reference following Alpha Job Number on final report/deliverables: L2030777

Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
	WG-8616480-072020-BP-001	07-20-20 13:00	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-002	07-20-20 13:15	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-003	07-20-20 11:05	WATER	Extractable Organic Halogens (Halides)	MS;MSD
	WG-8616480-072020-BP-004	07-20-20 11:40	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-005	07-20-20 13:40	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-006	07-20-20 15:10	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-007	07-20-20 16:30	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-072020-BP-008	07-20-20 15:00	WATER	Extractable Organic Halogens (Halides)	

1°C 4el

Relinquished By:	Date/Time:	Received By:	Date/Time:
	8/11/20	UPS	
		Com	8/12/2020 1052

Form No: AL_subcoc

ALS
301 Fulling Mill Road
Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client:	Work Order #:	Initials:	Date:
Alpha Analytical Labs	0759	Com	8/12/2020

Question			
1. Were airbills / tracking numbers present and recorded? Tracking number: 12 E 30 654 01 9868 4579	NONE	(YES)	NO
2. Are Custody Seals on shipping containers intact?	NONE	(YES)	NO
3. Are Custody Seals on sample containers intact?	(NONE)	YES	NO
4. Is there a COC (Chain-of-Custody) present?		(YES)	NO
5. Are the COC and bottle labels complete, legible and in agreement?		YES	(NO)
5a. Does the COC contain sample locations?		(YES)	NO
5b. Does the COC contain date and time of sample collection for all samples?		(YES)	NO
5c. Does the COC contain sample collectors name? Client		YES	(NO)
5d. Does the COC note the type(s) of preservation for all bottles? Not on coc		YES	(NO)
5e. Does the COC note the number of bottles submitted for each sample? Added Com 8/12		YES	(NO)
5f. Does the COC note the type of sample, composite or grab? Not on coc		YES	(NO)
5g. Does the COC note the matrix of the sample(s)?		(YES)	NO
6. Are all aqueous samples requiring preservation preserved correctly?[1]	N/A	(YES)	NO
7. Were all samples placed in the proper containers for the requested analyses, with sufficient volume?		(YES)	NO
8. Are all samples within holding times for the requested analyses?		(YES)	NO
9. Were all sample containers received intact and headspace free when required? (not broken, leaking, frozen, etc.)		(YES)	NO
10. Did we receive trip blanks (applies only for methods EPA 504, EPA 524.2 and 1631E (LL Hg)?	(N/A)	YES	NO
11. Were the samples received on ice?		(YES)	NO
12. Were sample temperatures measured at 0.0-6.0ºC		(YES)	NO
13. Are the samples DW matrix ? If YES, fill out Reportable Drinking Water questions below		YES	(NO)
13a. Are the samples required for SDWA compliance reporting?	(N/A)	YES	NO
13b. Did the client provide a SDWA PWS ID#?	(N/A)	YES	NO
13c. Are all aqueous unpreserved SDWA samples pH 5-9?	(N/A)	YES	NO
13d. Did the client provide the SDWA sample location ID/Description?	(N/A)	YES	NO
13e. Did the client provide the SDWA sample type (D, E, R, C, P, S)?	(N/A)	YES	NO

Cooler #: ______
Temperature (ºC): 1ºC
Thermometer ID: 401
Radiological (μCi): ______

COMMENTS (Required for all NO responses above and any sample non-conformance):

[1]Final determination of correct preservation for analysis such as volatiles, microbiology, and oil and grease is made in the analytical department at the time of or following the analysis

Rev 1/20/2020

Attachment B
Groundwater Field Sampling Logs

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site | **Date:** 7/20/2020 | **Project #:** 86-16480

Sampler(s): BP | **Sample ID:** MW-1 | **Sample Time:** 11:05

Well Information:

Depth of Well (Top of PVC):	16.93	ft
Initial Static Water Level (Top of PVC):	9.22	ft
Depth to LNAPL/DNAPL (Top of PVC):		
LNAPL/DNAPL Thickness (inches):		

Well Volume Calculation:

1 in. Casing:		ft. of water x .04 =	gallons
2 in. Casing:	7.71	ft. of water x .16 =	1.23 gallons
3 in. Casing:		ft. of water x .36 =	gallons
4 in. Casing:		ft. of water x .64 =	gallons

Evacuation Method:

Submersible:		Centrifugal:	
Airlift:	X	Pos. Displ.:	
Bailer:		Ded. Pump:	

Volume of Water Removed: 2.5 gallons

Dry: yes | no

Field Tests:

		Units:			Units:
Temperature:	23.1	°C	pH:	7.14	units
Salinity:		%	ORP:	-260	mV
Spec. Cond.:	2.18	mS/cm	Turbidity:	6.0	NTU
Diss. Oxygen:	1.88	mg/L	PID:	145.0	ppm

Sampling Method:

Stainless Bailer:		
Teflon Bailer:		
Pos. Disp. Pump:		
Dis. Bailer:		
Ded. Pump:		
Other:	X	Bladder Pump

Analysis: TOX, Alkalinity, BOD-5 Day, Chloride, COD, TCL PCBs, TCL VOCs, TOC, Total TAL Metals, Dissolved TAL Metals

Observations:

Weather:

Physical Appearance and Odor of Sample: Water was cloudy brown with odor and became clear with odor during purging.

Additional Comments: Field parameters collected using a multi-parameter water quality meter with flow through cell during purging

MS/MSD taken at this location at 11:05

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site | **Date:** 7/20/2020 | **Project #:** 86-16480

Sampler(s): BP | **Sample ID:** MW-2R | **Sample Time:** 13:00

Well Information:

Depth of Well (Top of PVC):	17.95	ft
Initial Static Water Level (Top of PVC):	9.75	ft
Depth to LNAPL/DNAPL (Top of PVC):		
LNAPL/DNAPL Thickness (inches):		

Well Volume Calculation:

1 in. Casing:		ft. of water x .04 =	gallons
2 in. Casing:	8.2	ft. of water x .16 =	1.31 gallons
3 in. Casing:		ft. of water x .36 =	gallons
4 in. Casing:		ft. of water x .64 =	gallons

Evacuation Method:

Submersible:		Centrifugal:	
Airlift:	X	Pos. Displ.:	
Bailer:		Ded. Pump:	

Volume of Water Removed: 2.5 gallons

Dry: yes | no

Field Tests:

		Units:			Units:
Temperature:	23.9	°C	pH:	7.17	units
Salinity:		%	ORP:	-177	mV
Spec. Cond.:	2.37	mS/cm	Turbidity:	7.0	NTU
Diss. Oxygen:	1.99	mg/L	PID:	0.0	ppm

Sampling Method:

Stainless Bailer:		
Teflon Bailer:		
Pos. Disp. Pump:		
Dis. Bailer:		
Ded. Pump:		
Other:	X	Bladder Pump

Analysis: TOX, Alkalinity, BOD-5 Day, Chloride, COD, TCL PCBs, TCL VOCs, TOC, Total TAL Metals, Dissolved TAL Metals

Observations:

Weather:

Physical Appearance and Odor of Sample: Water was cloudy brown with no odor and became clear with no odor during purging.

Additional Comments: Field parameters collected using a multi-parameter water quality meter with flow through cell during purging

Duplicate sample taken here at 13:15

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site | **Date:** 7/20/2020 | **Project #:** 86-16480

Sampler(s): BP | **Sample ID:** MW-4 | **Sample Time:** 11:40

Well Information:

Depth of Well (Top of PVC):	16.6	ft
Initial Static Water Level (Top of PVC):	9.1	ft
Depth to LNAPL/DNAPL (Top of PVC):		
LNAPL/DNAPL Thickness (inches):		

Well Volume Calculation:

1 in. Casing:		ft. of water x .04 =		gallons
2 in. Casing:	7.5	ft. of water x .16 =	1.20	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

Submersible:		Centrifugal:	
Airlift:	X	Pos. Displ.:	
Bailer:		Ded. Pump:	

Volume of Water Removed: 4.25 gallons

Dry: yes | no

Field Tests:

		Units:		Units:
Temperature:	34.2	°C	pH: 7.24	units
Salinity:		%	ORP: -364.0	mV
Spec. Cond.:	4.45	mS/cm	Turbidity: 5.0	NTU
Diss. Oxygen:	0.00	mg/L	PID: 0.0	ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	
Ded. Pump:	
Other:	X Bladder Pump

Analysis: TOX, Alkalinity, BOD-5 Day, Chloride, COD, TCL PCBs, TCL VOCs, TOC, Total TAL Metals, Dissolved TAL Metals

Observations:

Weather:

Physical Appearance and Odor of Sample: Water was cloudy brown with no odor and became clear with no odor during purging.

Additional Comments: Field parameters collected using a multi-parameter water quality meter with flow through cell during purging

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site | **Date:** 7/20/2020 | **Project #:** 86-16480

Sampler(s): BP | **Sample ID:** MW-5 | **Sample Time:** 13:40

Well Information:

Depth of Well (Top of PVC):	18.7	ft
Initial Static Water Level (Top of PVC):	11.1	ft
Depth to LNAPL/DNAPL (Top of PVC):		
LNAPL/DNAPL Thickness (inches):		

Well Volume Calculation:

1 in. Casing:		ft. of water x .04 =		gallons
2 in. Casing:	7.6	ft. of water x .16 =	1.22	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

Submersible:		Centrifugal:	
Airlift:	X	Pos. Displ.:	
Bailer:		Ded. Pump:	

Volume of Water Removed: 3 gallons

Dry: yes | no

Field Tests:

		Units:		Units:
Temperature:	29.9	°C	pH: 7.23	units
Salinity:		%	ORP: -133.0	mV
Spec. Cond.:	14.1	mS/cm	Turbidity: 3.0	NTU
Diss. Oxygen:	0.00	mg/L	PID: 5.0	ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	
Ded. Pump:	
Other:	X Bladder Pump

Analysis: TOX, Alkalinity, BOD-5 Day, Chloride, COD, TCL PCBs, TCL VOCs, TOC, Total TAL Metals, Dissolved TAL Metals

Observations:

Weather:

Physical Appearance and Odor of Sample: Water was slightly cloudy brown with no odor and became clear with no odor during purging.

Additional Comments: Field parameters collected using a multi-parameter water quality meter with flow through cell during purging

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site | **Date:** 7/20/2020 | **Project #:** 86-16480

Sampler(s): BP | **Sample ID:** MW-6 | **Sample Time:** 15:10

Well Information:

Depth of Well (Top of PVC):	17.1	ft
Initial Static Water Level (Top of PVC):	10.54	ft
Depth to LNAPL/DNAPL (Top of PVC):		
LNAPL/DNAPL Thickness (inches):		

Well Volume Calculation:

1 in. Casing:		ft. of water x .04 =		gallons
2 in. Casing:	6.56	ft. of water x .16 =	1.05	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

Submersible:		Centrifugal:	
Airlift:	X	Pos. Displ.:	
Bailer:		Ded. Pump:	

Volume of Water Removed: 3.5 gallons

Dry: yes | no

Field Tests:

		Units:		Units:
Temperature:	26.00	°C	pH: 7.5	units
Salinity:		%	ORP: -284.0	mV
Spec. Cond.:	4.65	mS/cm	Turbidity: 8.0	NTU
Diss. Oxygen:	0.00	mg/L	PID: 115.0	ppm

Sampling Method:

Stainless Bailer:		
Teflon Bailer:		
Pos. Disp. Pump:		
Dis. Bailer:		
Ded. Pump:		
Other:	X	Bladder Pump

Analysis: TOX, Alkalinity, BOD-5 Day, Chloride, COD, TCL PCBs, TCL VOCs, TOC, Total TAL Metals, Dissolved TAL Metals

Observations:

Weather:

Physical Appearance and Odor of Sample: Water was cloudy brown with no odor and became clear with no odor during purging.

Additional Comments: Field parameters collected using a multi-parameter water quality meter with flow through cell during purging

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site | **Date:** 7/20/2020 | **Project #:** 86-16480

Sampler(s): BP | **Sample ID:** MW-7 | **Sample Time:** 16:30

Well Information:

Depth of Well (Top of PVC):	15.45	ft
Initial Static Water Level (Top of PVC):	8.39	ft
Depth to LNAPL/DNAPL (Top of PVC):		
LNAPL/DNAPL Thickness (inches):		

Well Volume Calculation:

1 in. Casing:		ft. of water x .04 =		gallons
2 in. Casing:	7.06	ft. of water x .16 =	1.13	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

Submersible:		Centrifugal:	
Airlift:	X	Pos. Displ.:	
Bailer:		Ded. Pump:	

Volume of Water Removed: 3.25 gallons

Dry: yes | no

Field Tests:

		Units:		Units:
Temperature:	21.9	°C	pH: 7.23	units
Salinity:		%	ORP: -128	mV
Spec. Cond.:	1.070	mS/cm	Turbidity: 39.0	NTU
Diss. Oxygen:	0.00	mg/L	PID: 0.0	ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	
Ded. Pump:	
Other:	X Bladder Pump

Analysis: TOX, Alkalinity, BOD-5 Day, Chloride, COD, TCL PCBs, TCL VOCs, TOC, Total TAL Metals, Dissolved TAL Metals

Observations:

Weather:

Physical Appearance and Odor of Sample: Water was cloudy brown with odor and became clear with odor during purging.

Additional Comments: Field parameters collected using a multi-parameter water quality meter with flow through cell during purging

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site | **Date:** 7/20/2020 | **Project #:** 86-16480

Sampler(s): BP | **Sample ID:** MW-8 | **Sample Time:** 15:00

Well Information:

Depth of Well (Top of PVC):	14.6	ft
Initial Static Water Level (Top of PVC):	8.74	ft
Depth to LNAPL/DNAPL (Top of PVC):		
LNAPL/DNAPL Thickness (inches):		

Well Volume Calculation:

1 in. Casing:		ft. of water x .04 =		gallons
2 in. Casing:	5.86	ft. of water x .16 =	0.94	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

Submersible:		Centrifugal:	
Airlift:	X	Pos. Displ.:	
Bailer:		Ded. Pump:	

Volume of Water Removed: 2.25 gallons

Dry: yes | no

Field Tests:

		Units:		Units:
Temperature:	22.1	°C	pH:	7.05	units
Salinity:		%	ORP:	-119	mV
Spec. Cond.:	4.24	mS/cm	Turbidity:	10.0	NTU
Diss. Oxygen:	0.00	mg/L	PID:	0.0	ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	
Ded. Pump:	
Other:	X Bladder Pump

Analysis: TOX, Alkalinity, BOD-5 Day, Chloride, COD, TCL PCBs, TCL VOCs, TOC, Total TAL Metals, Dissolved TAL Metals

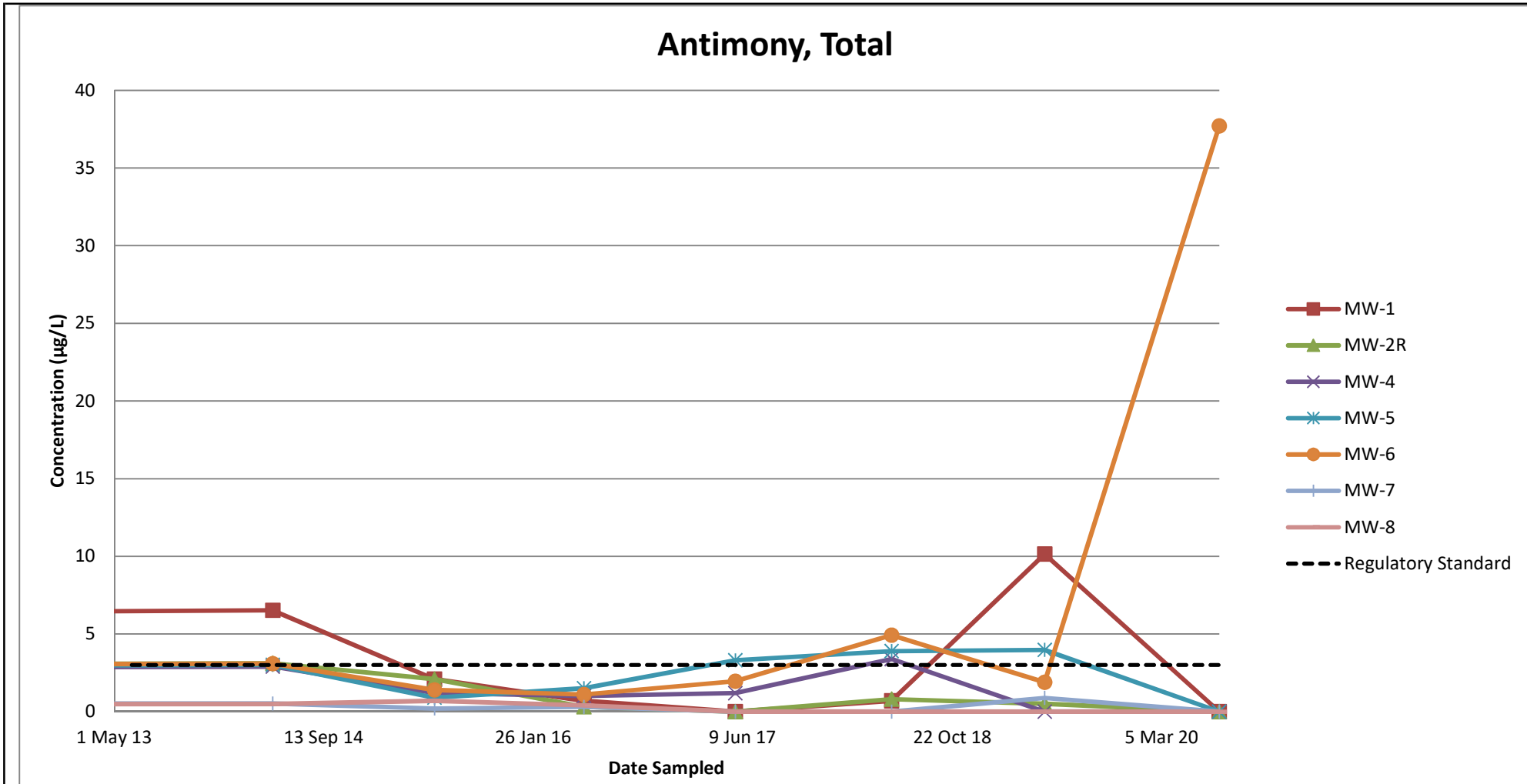
Observations:

Weather:

Physical Appearance and Odor of Sample: Water was cloudy brown with no odor and became clear with no odor during purging.

Additional Comments: Field parameters collected using a multi-parameter water quality meter with flow through cell during purging

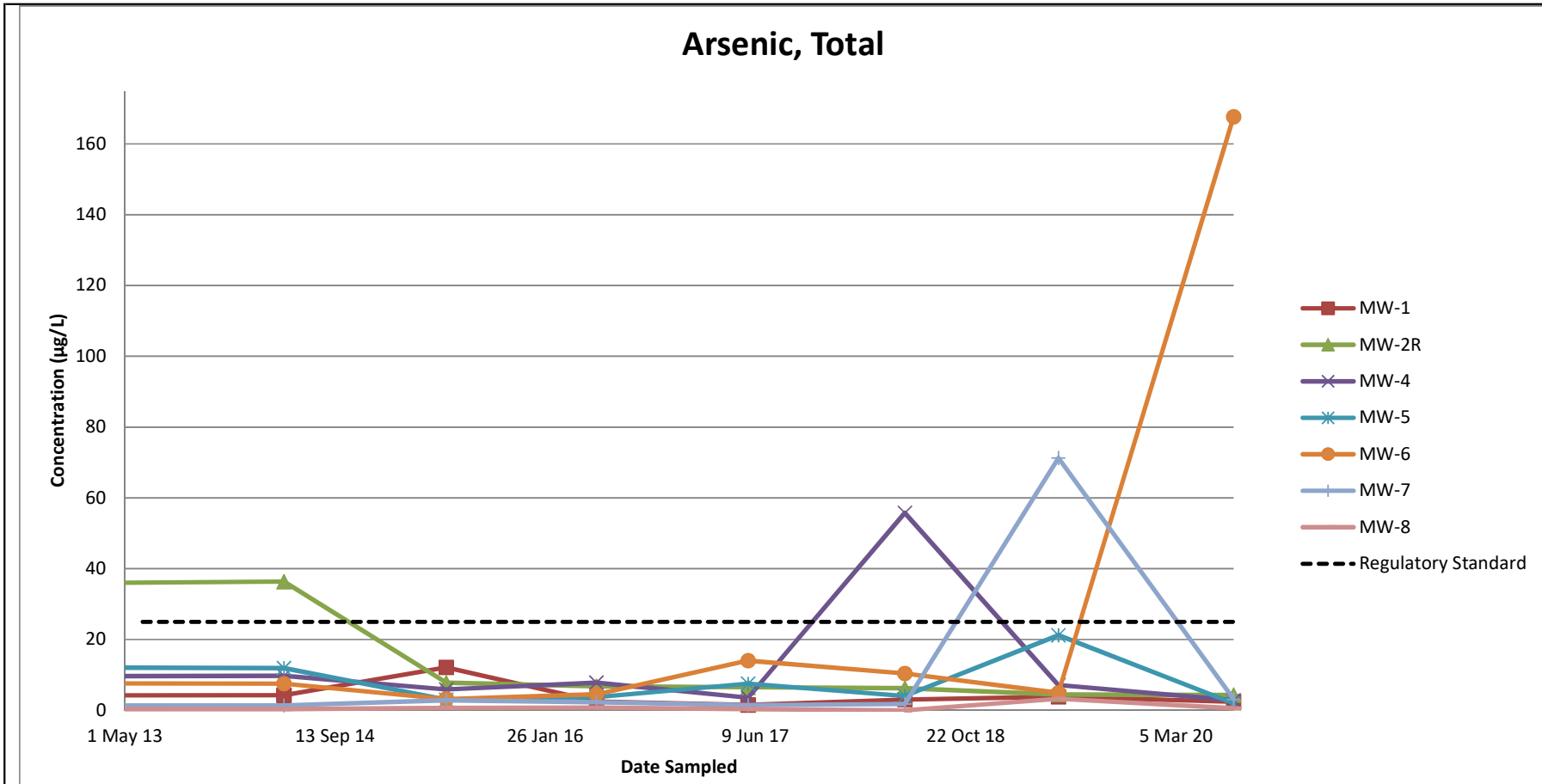
Attachment C
Time Series Plots



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

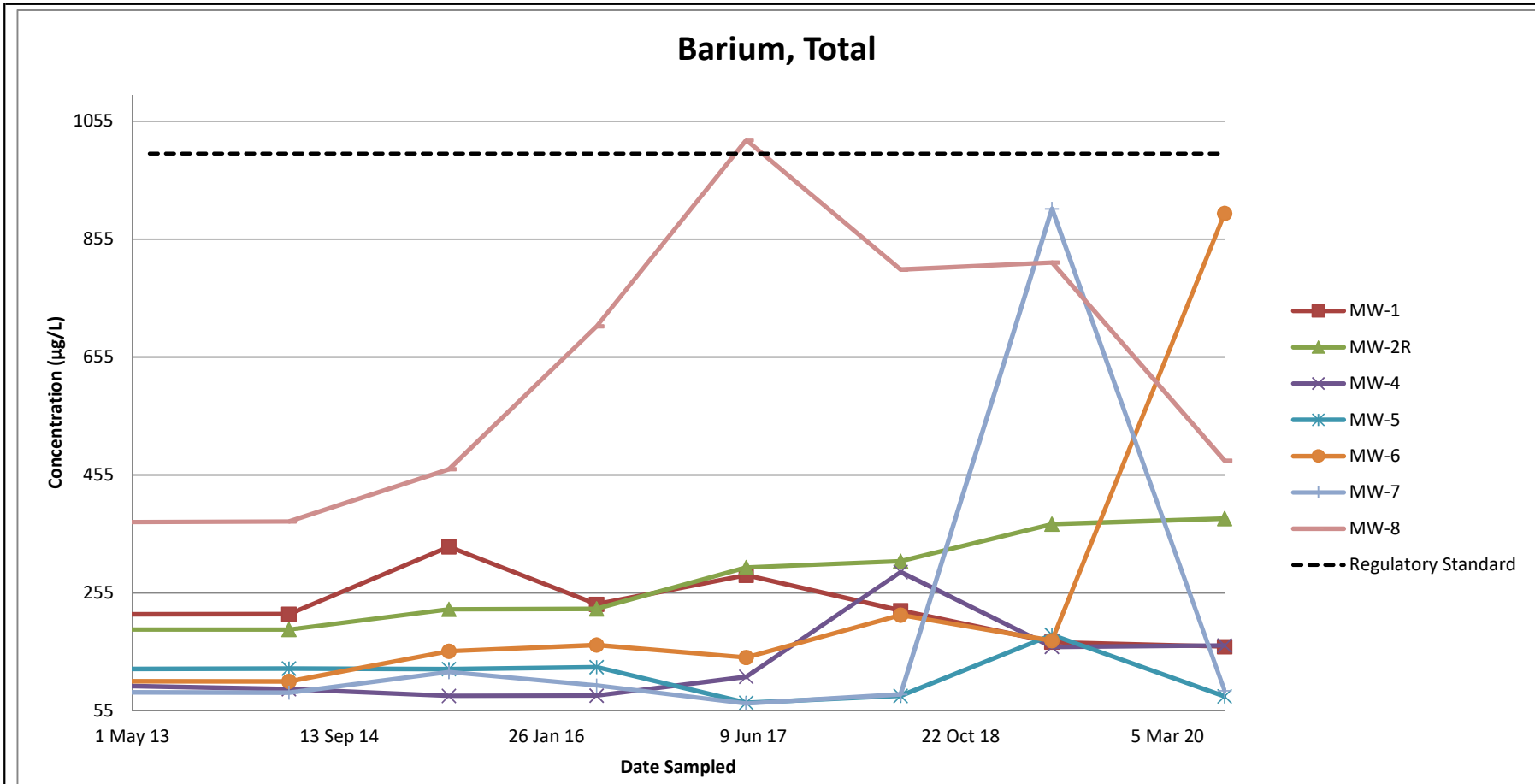
Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

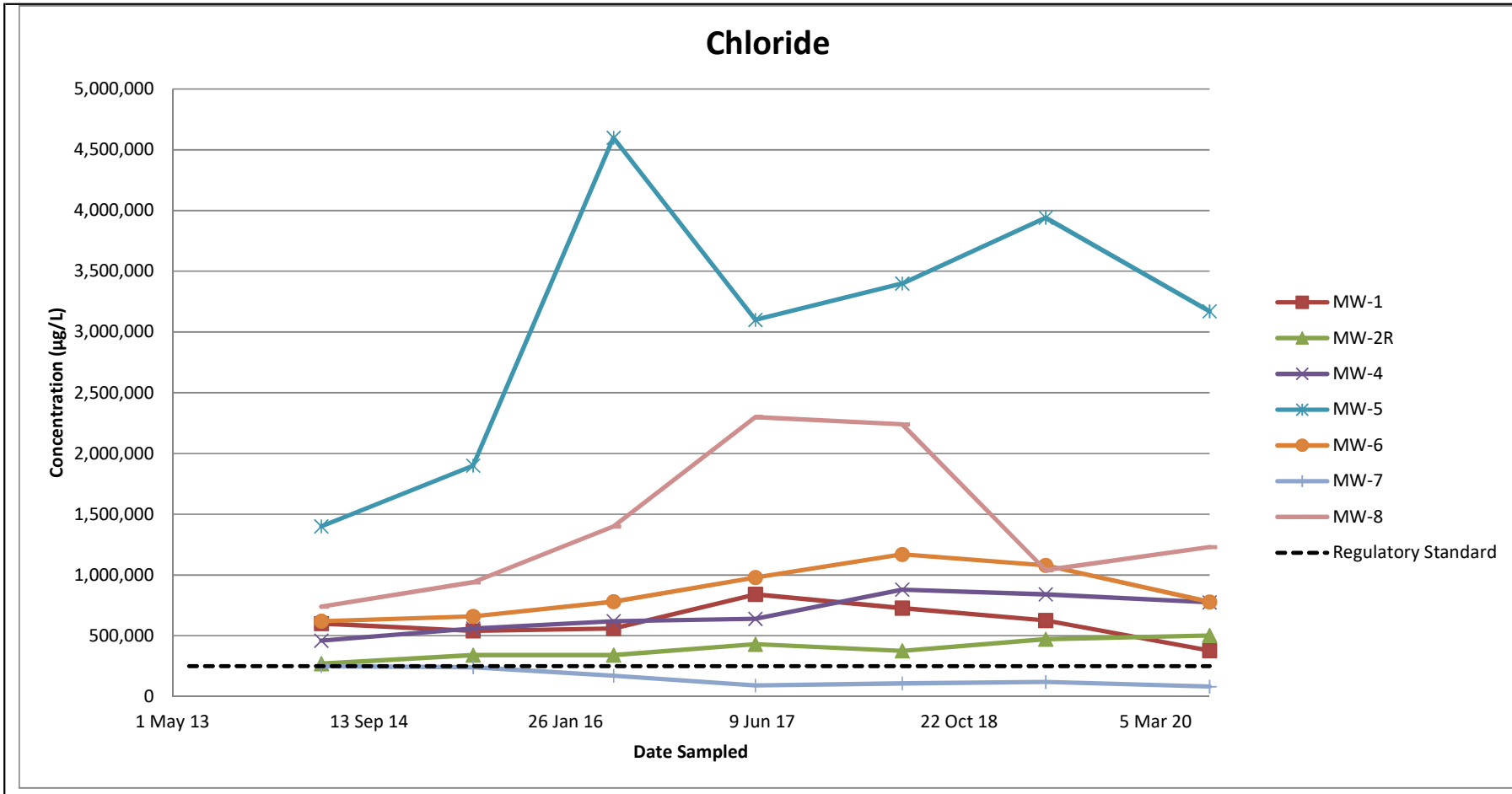


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

GHD

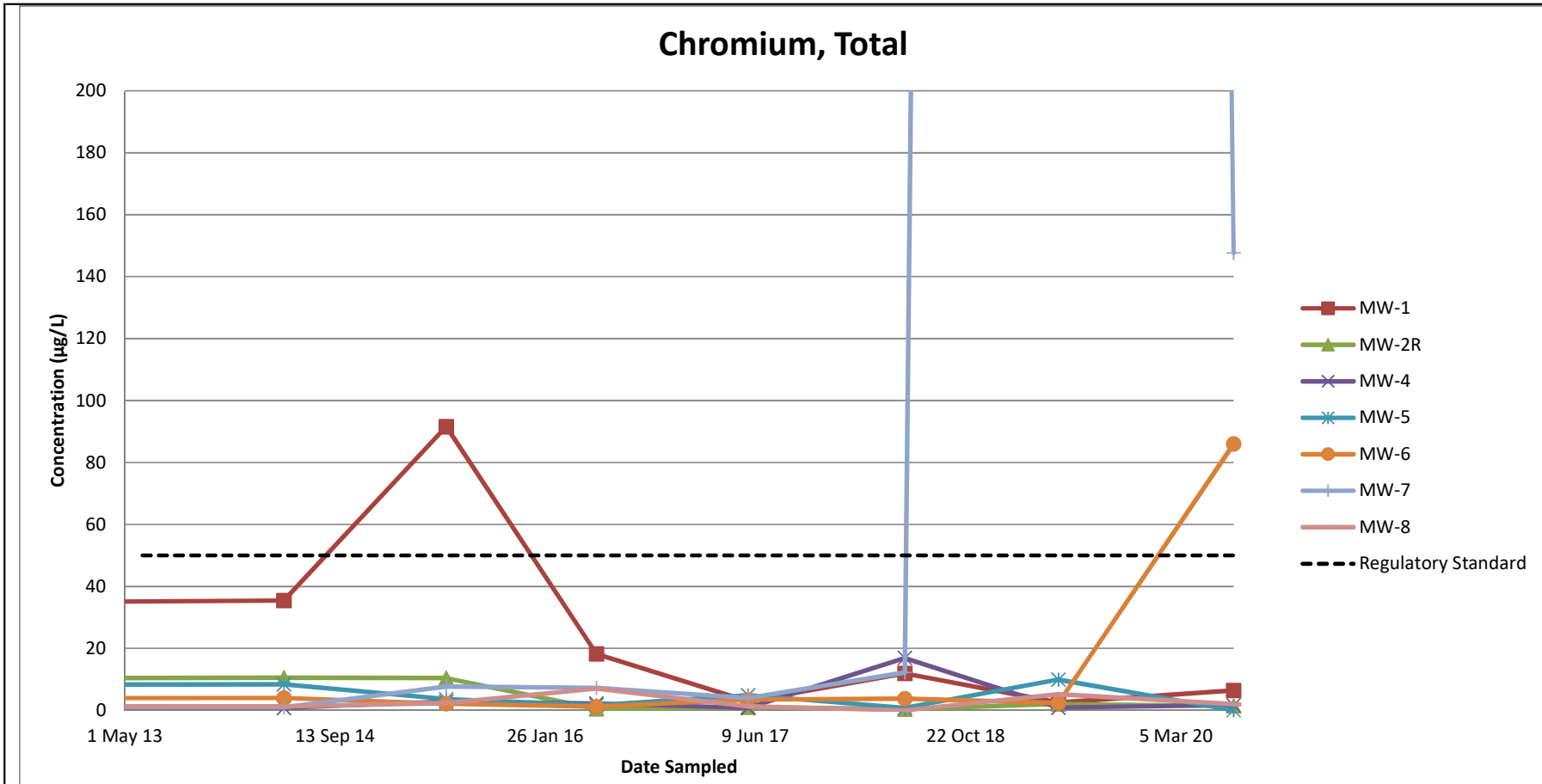


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

GHD

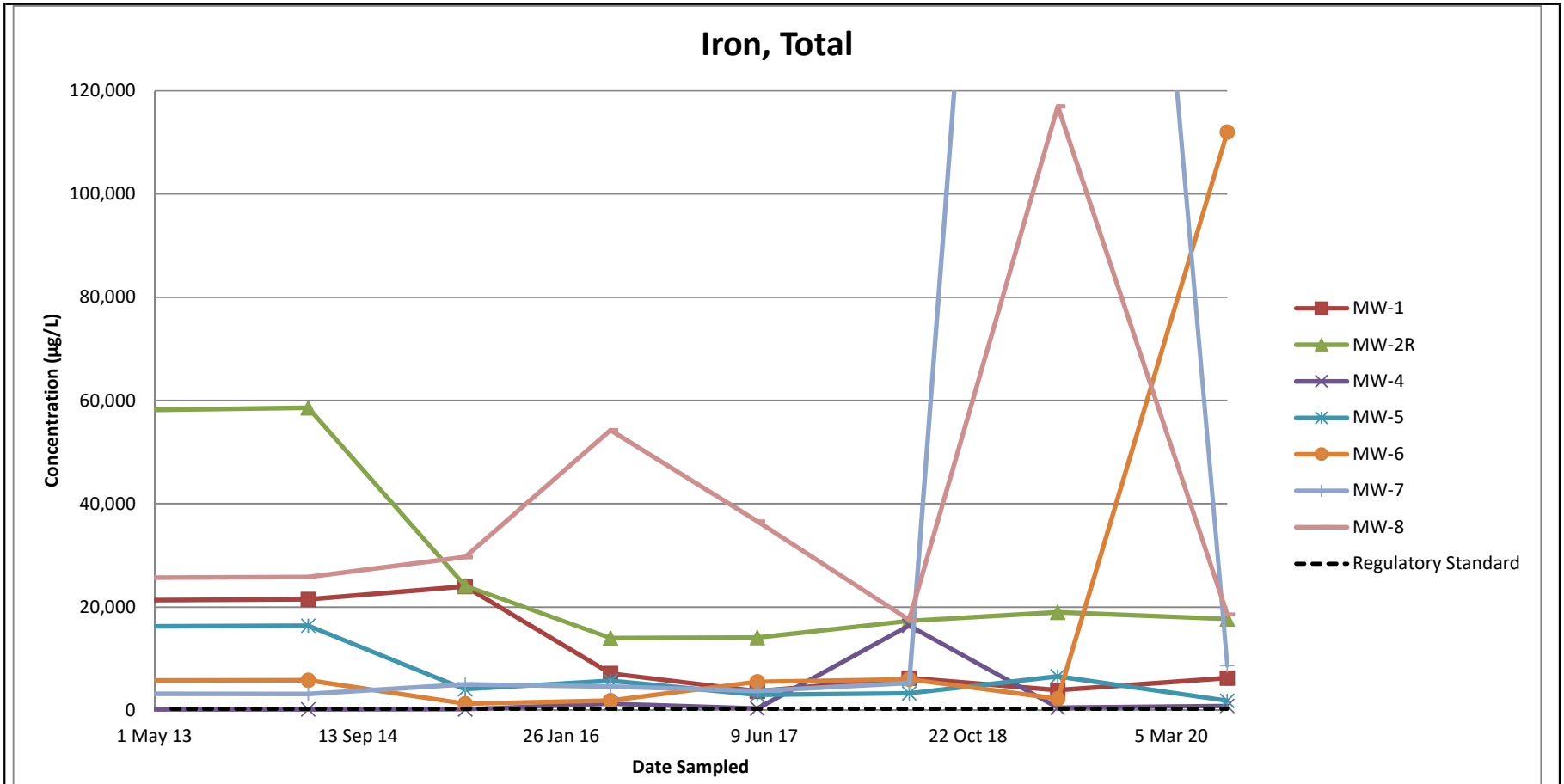


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

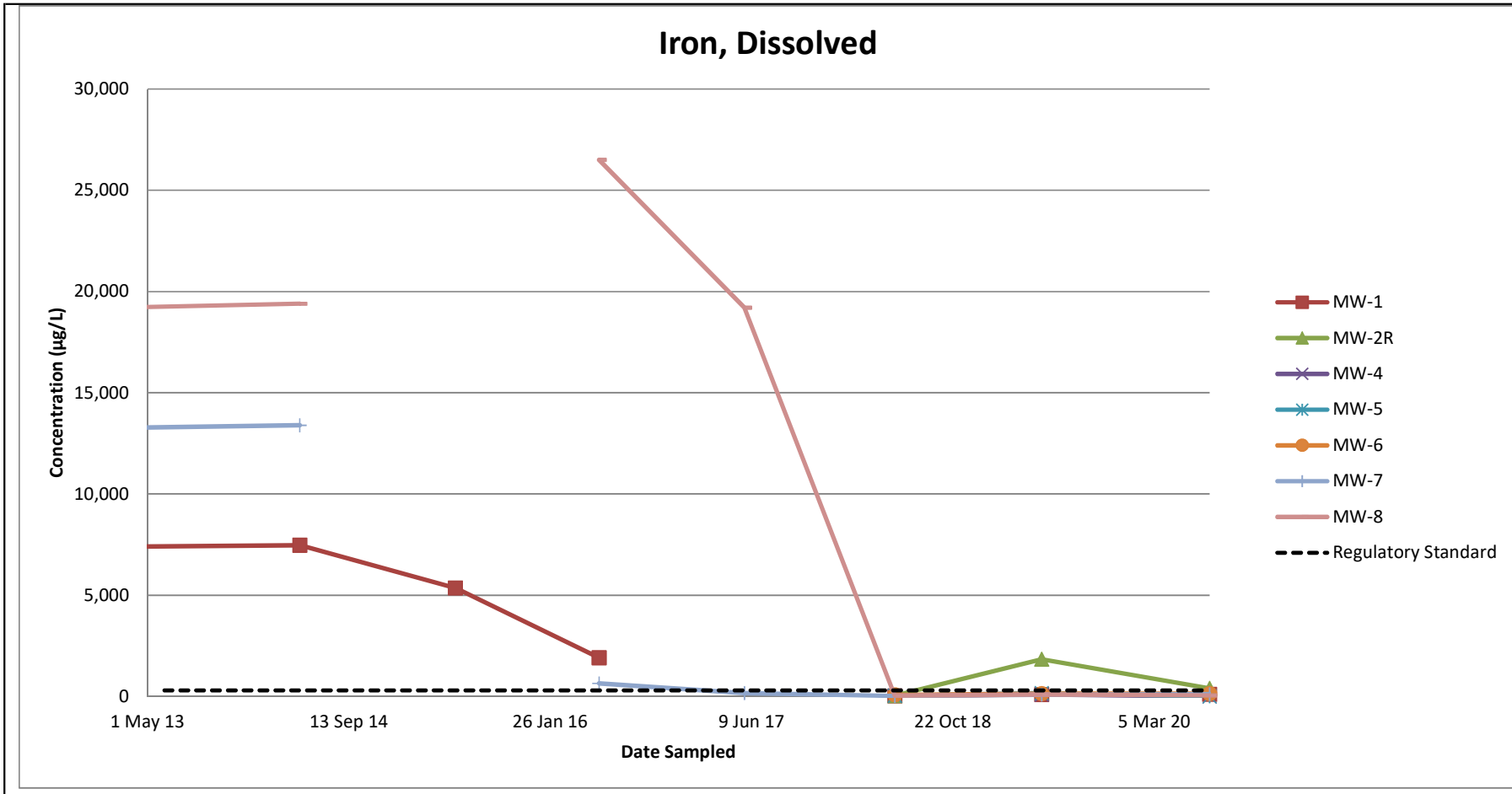
GHD



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

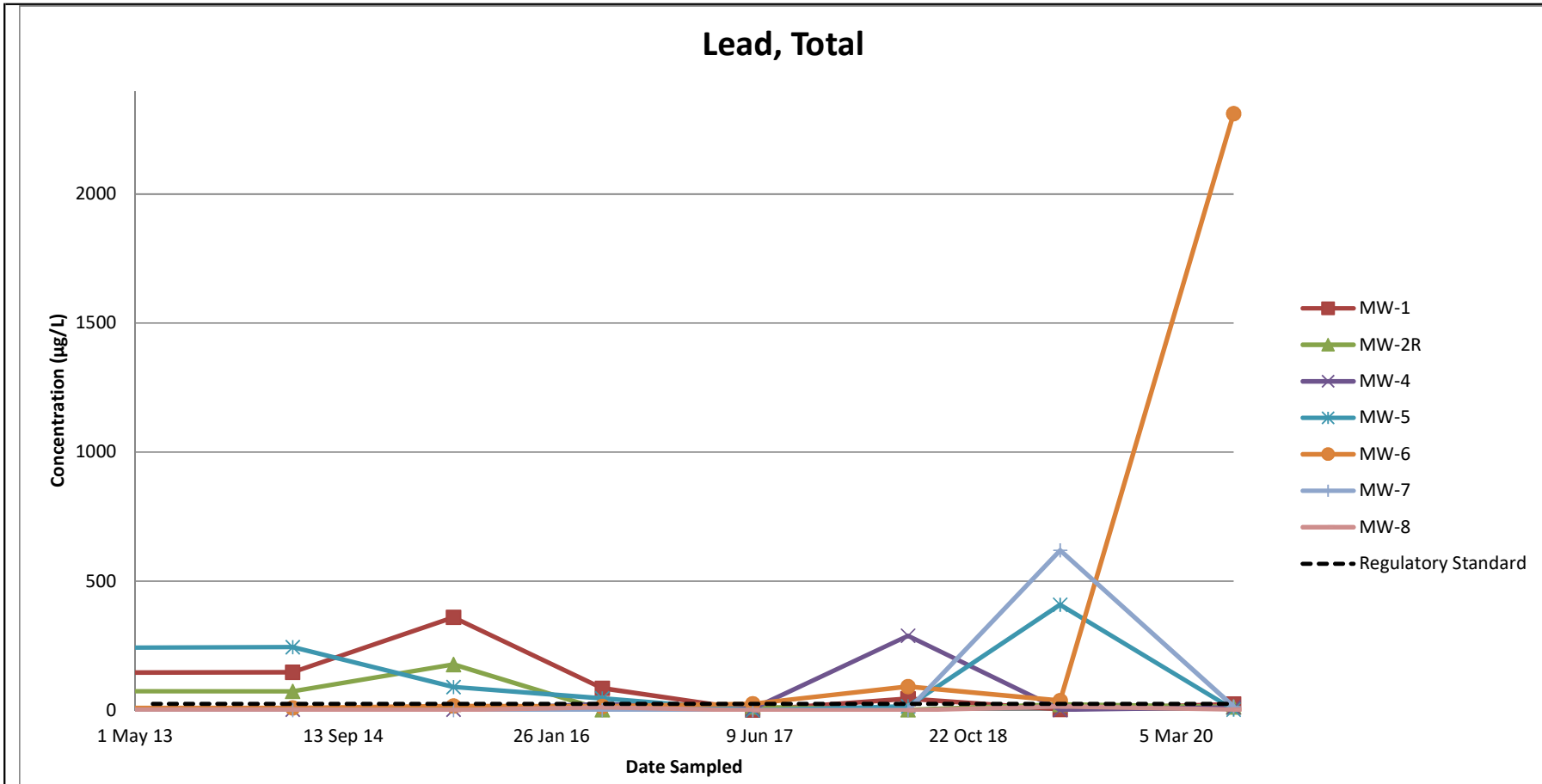
Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

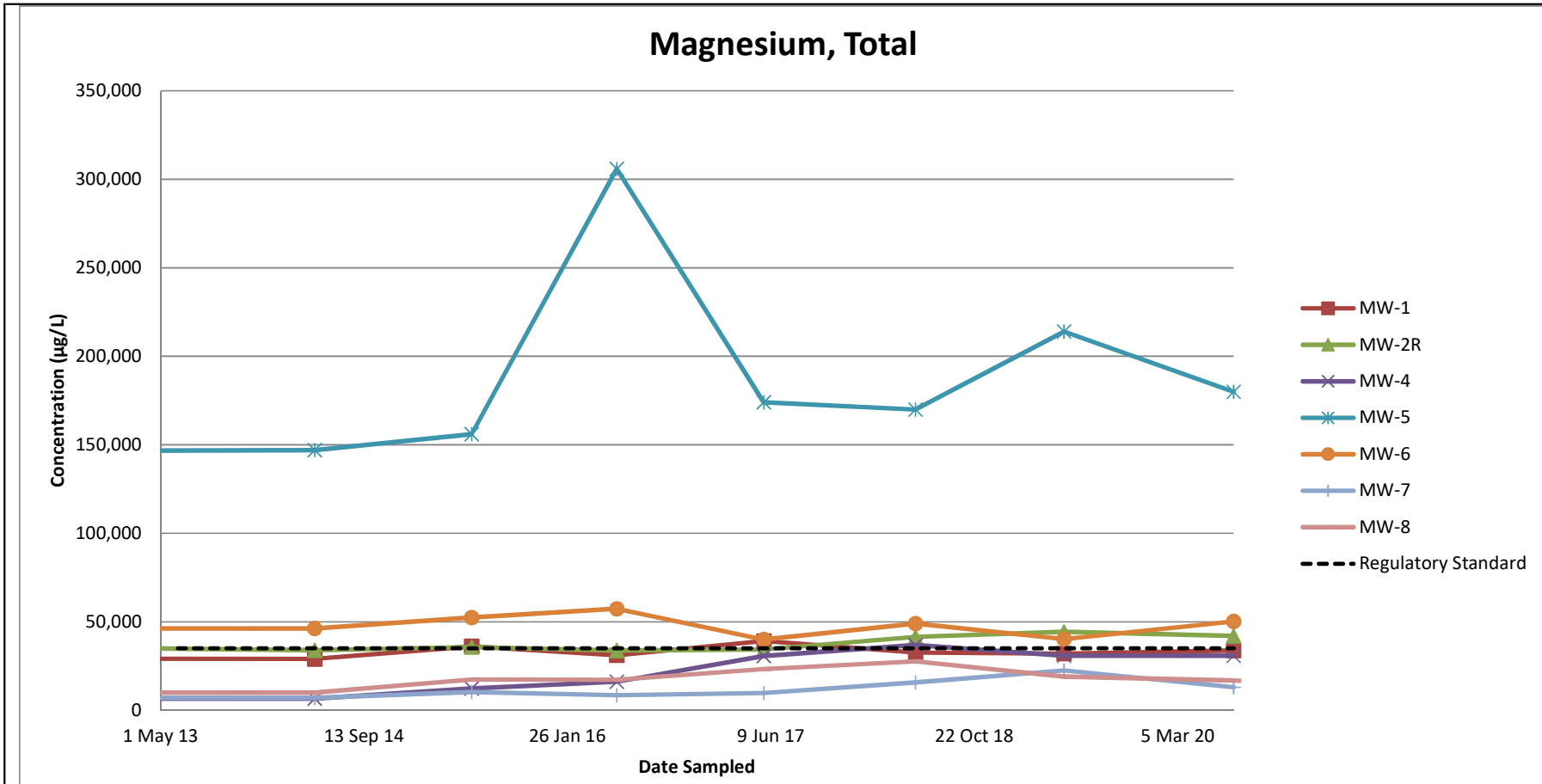


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

GHD

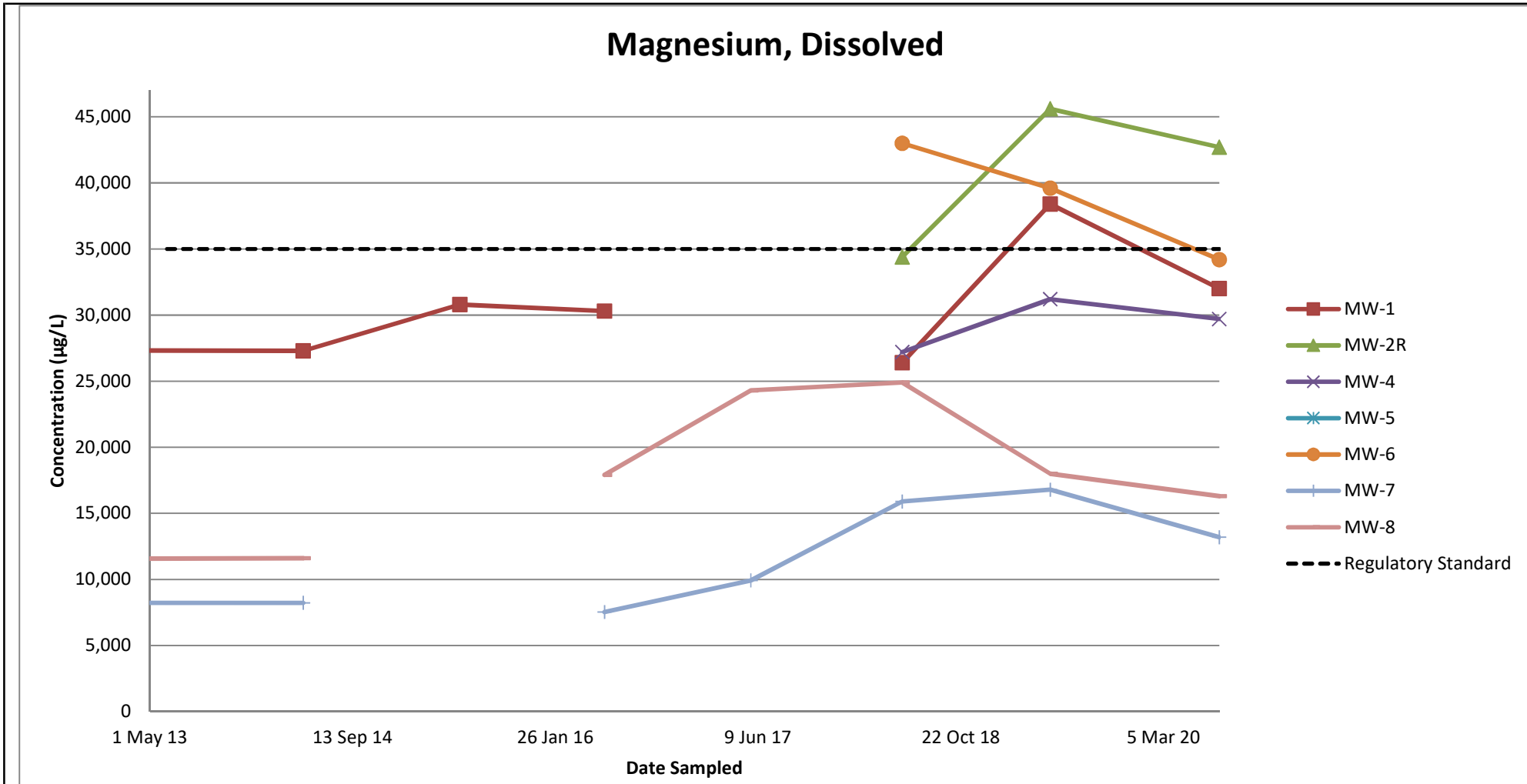


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

GHD

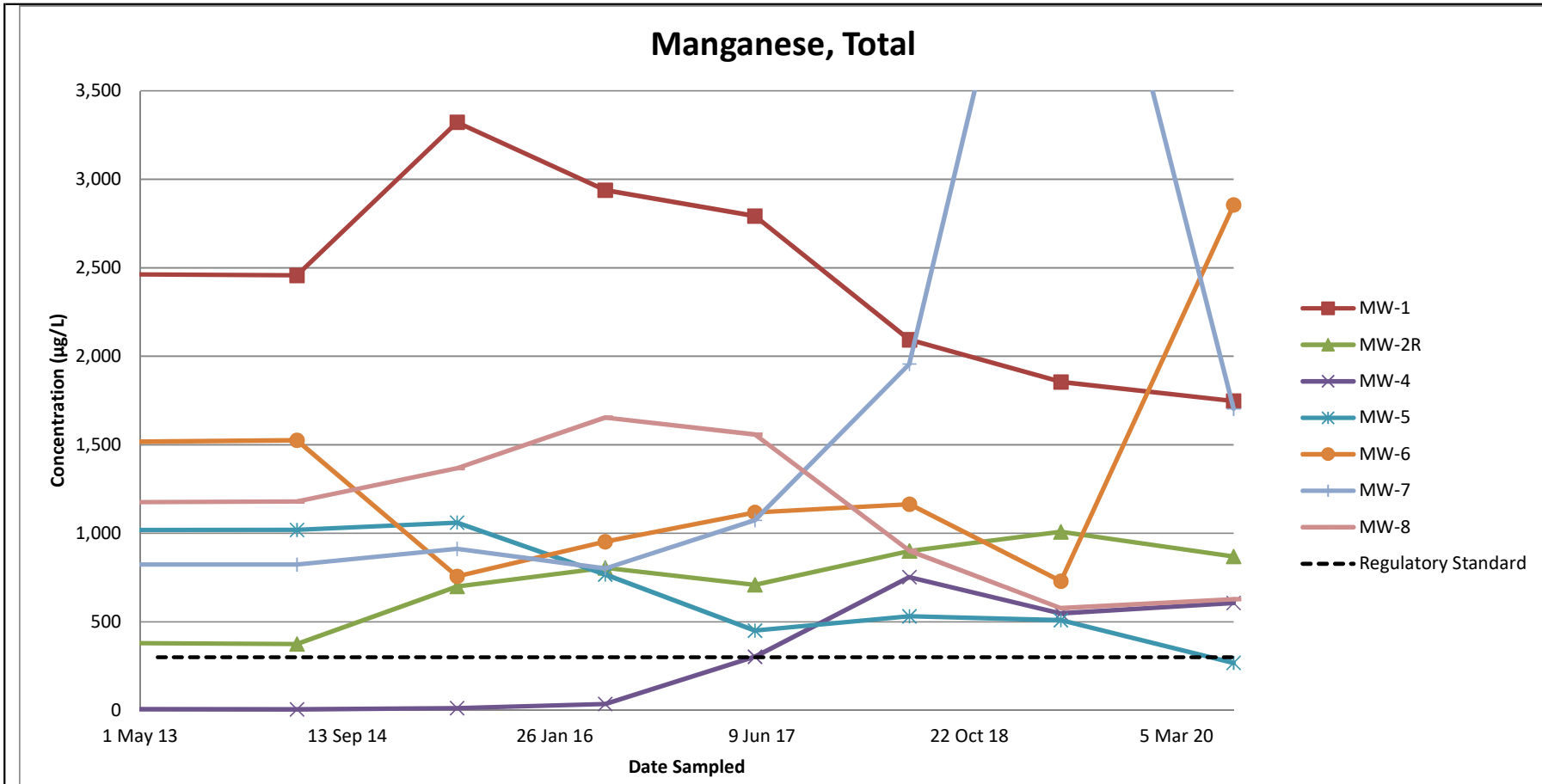


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

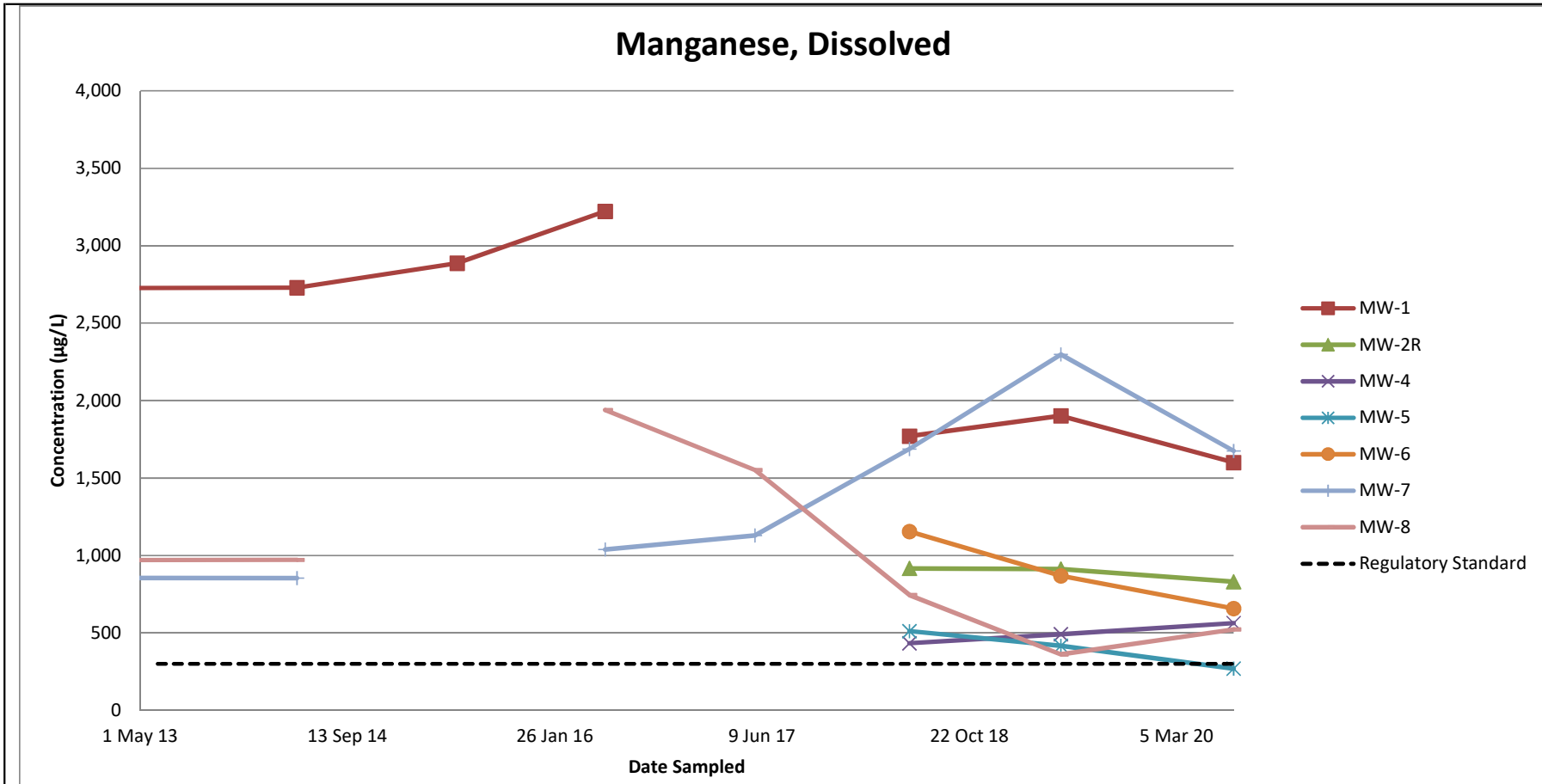
GHD



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

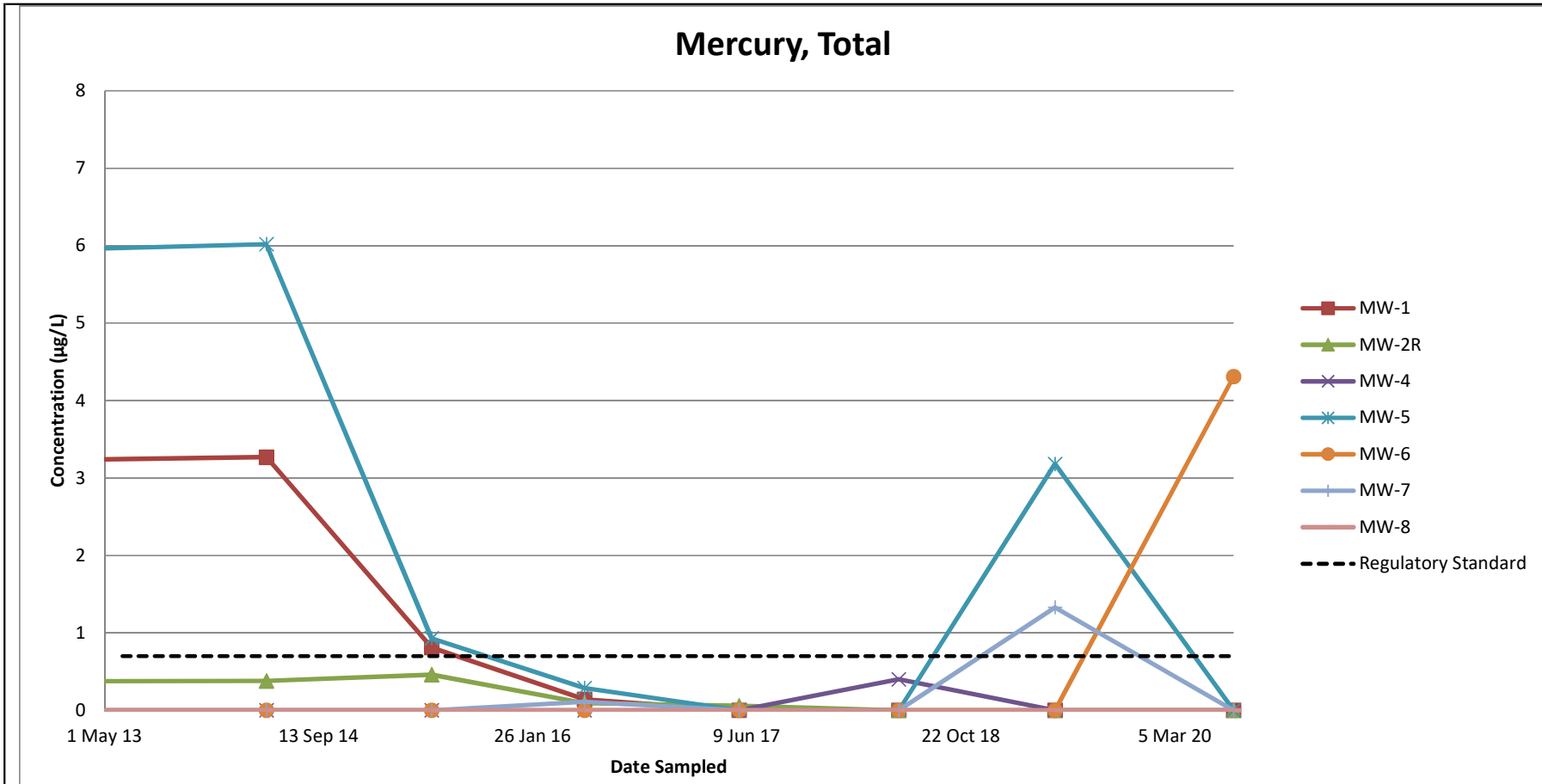
Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

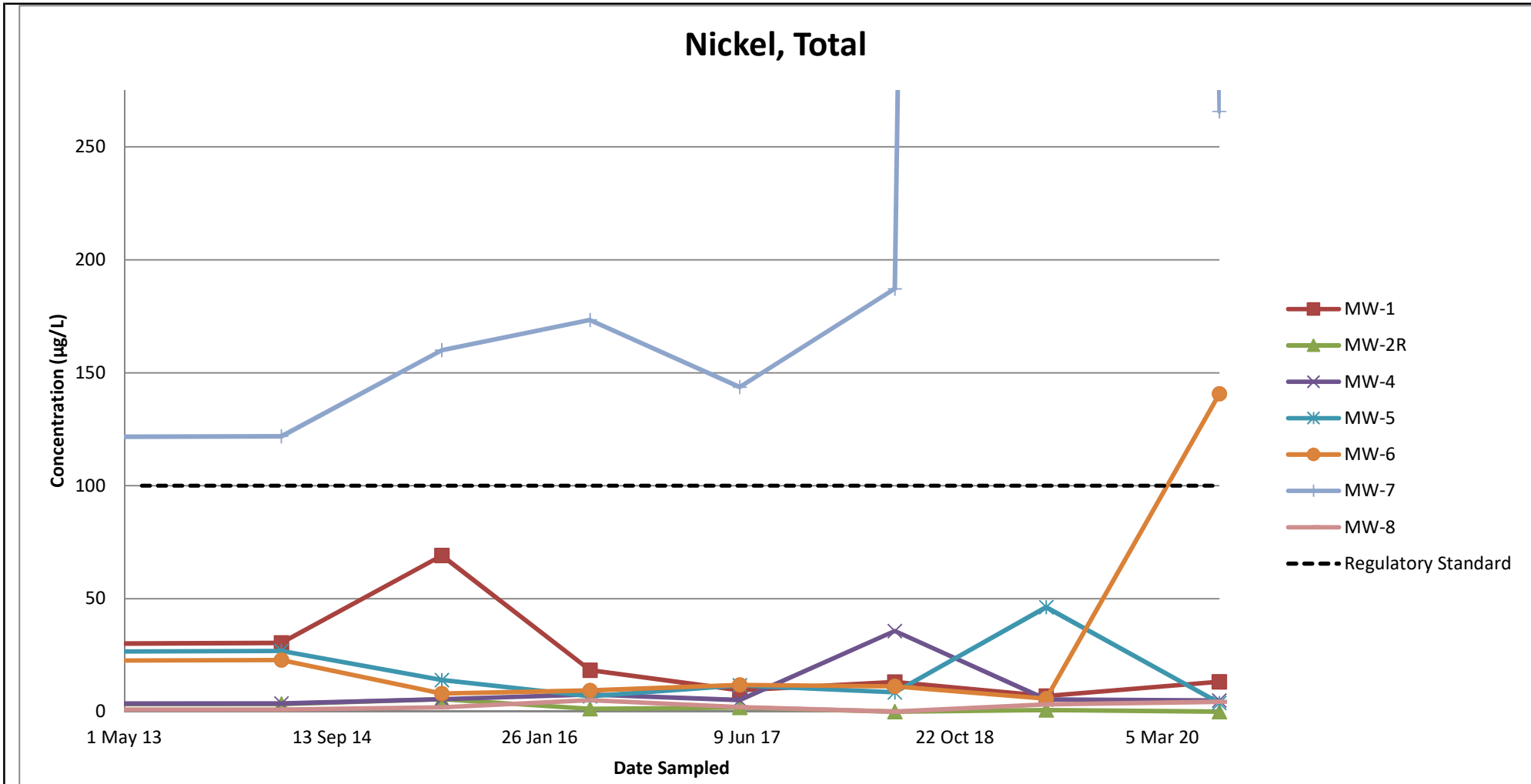
Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

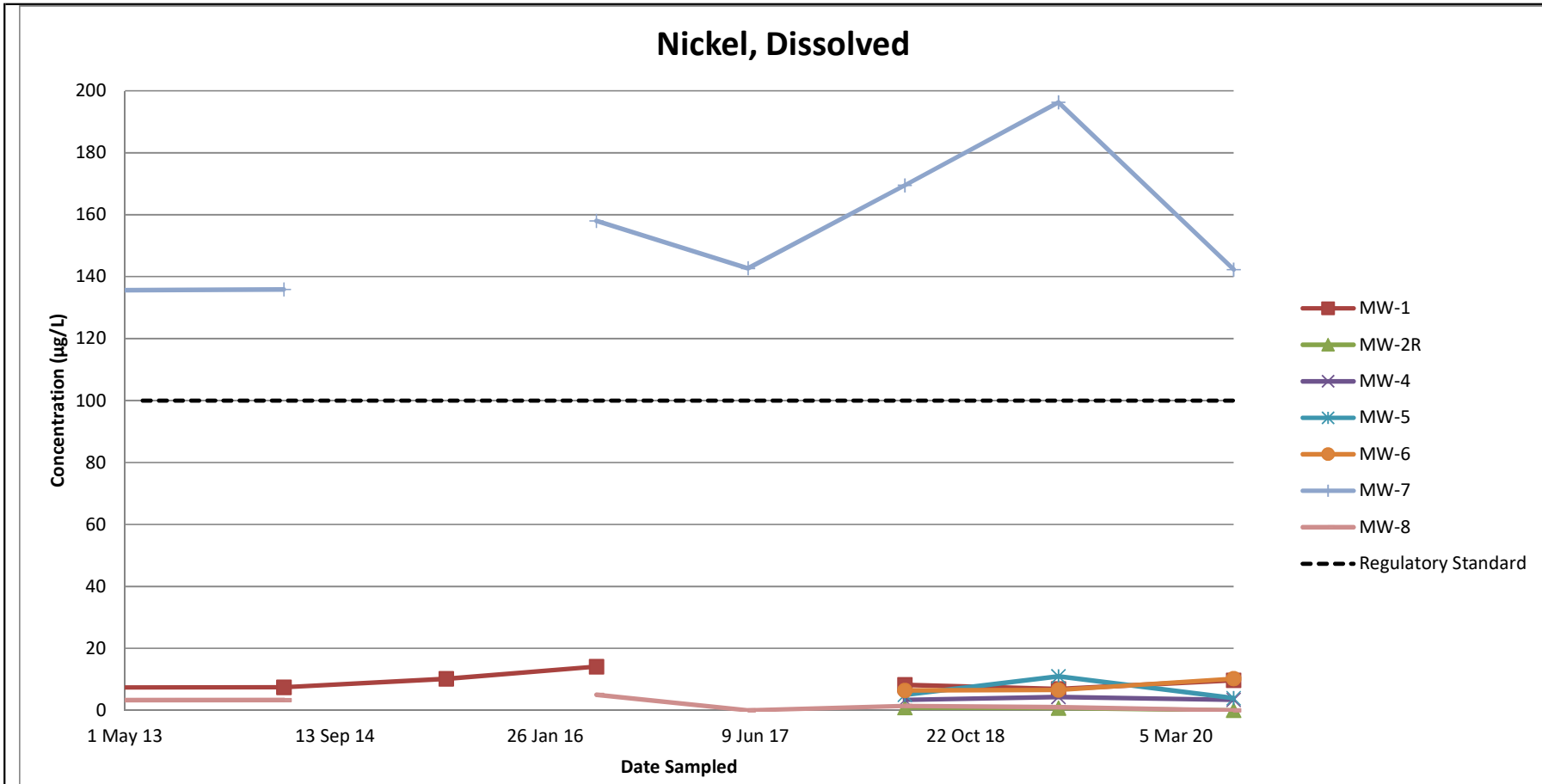
Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

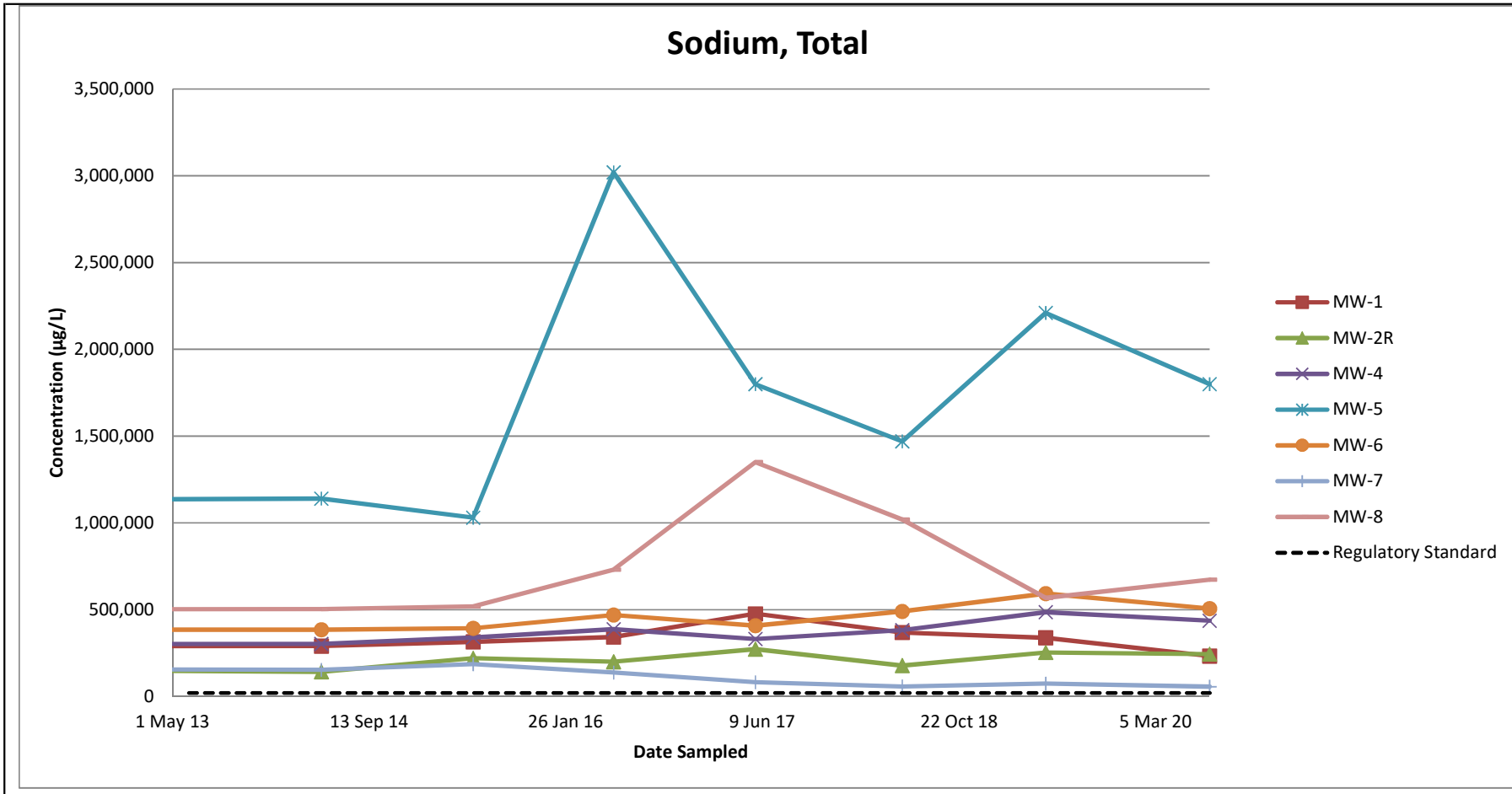


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

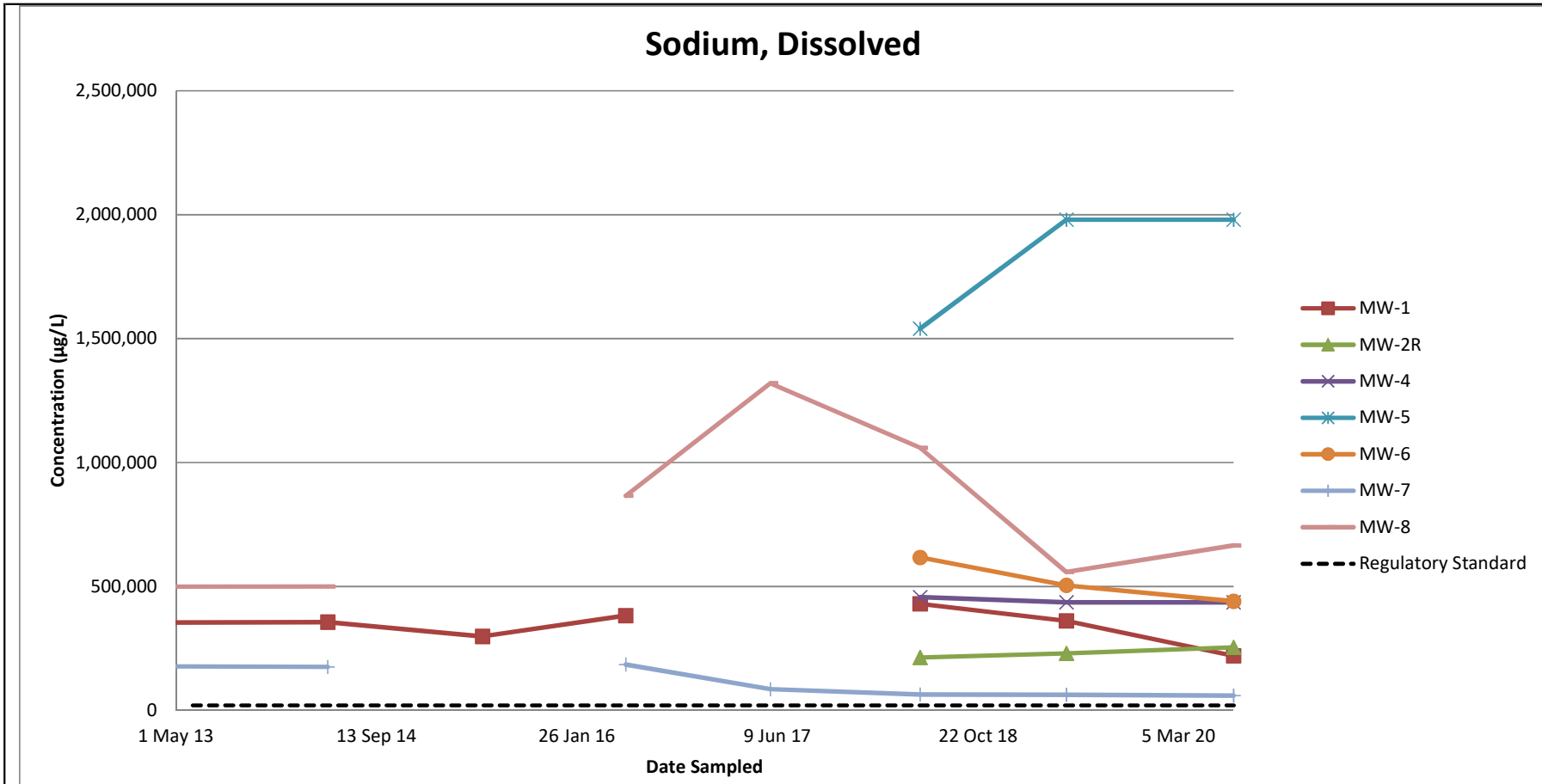
GHD



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

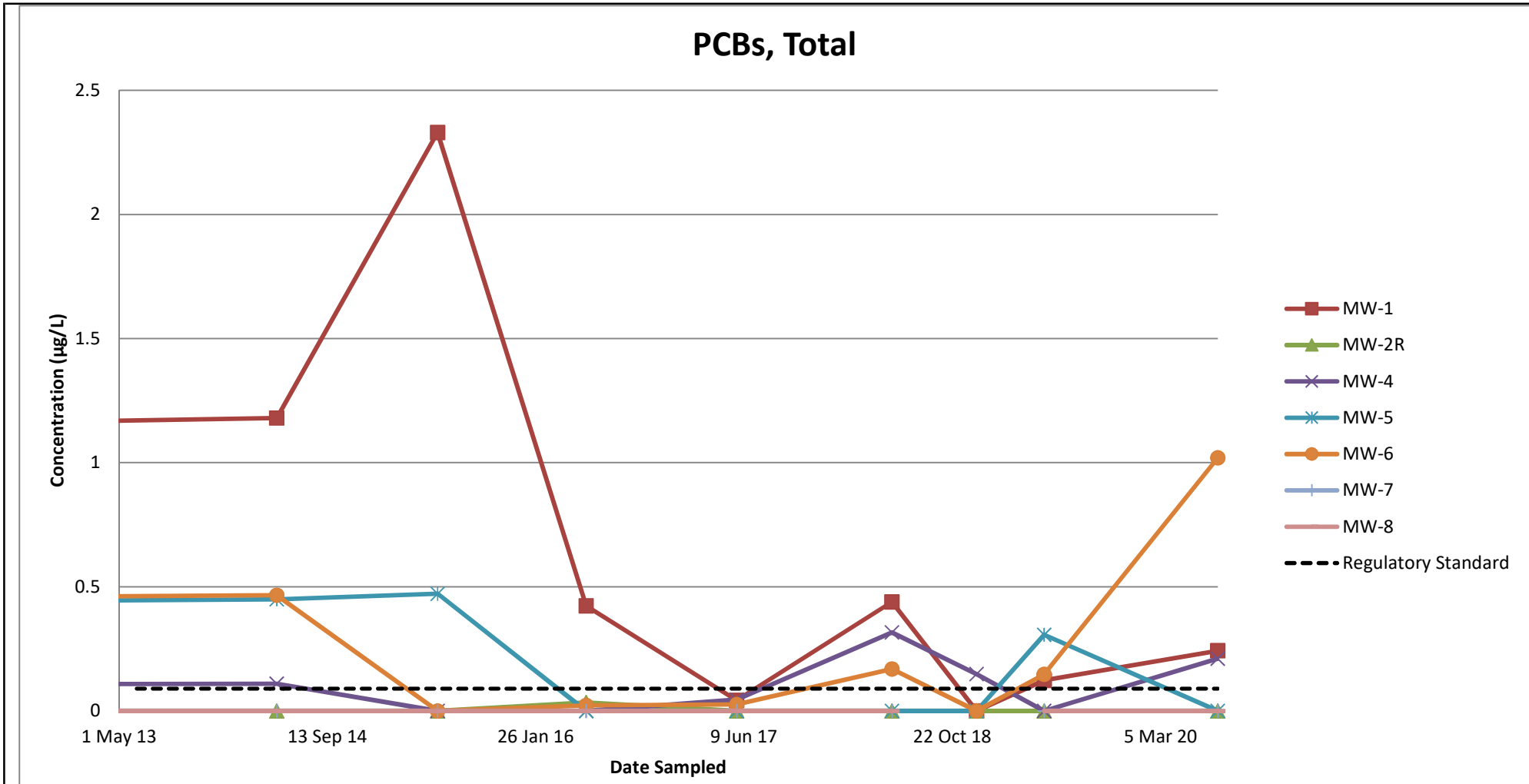
Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

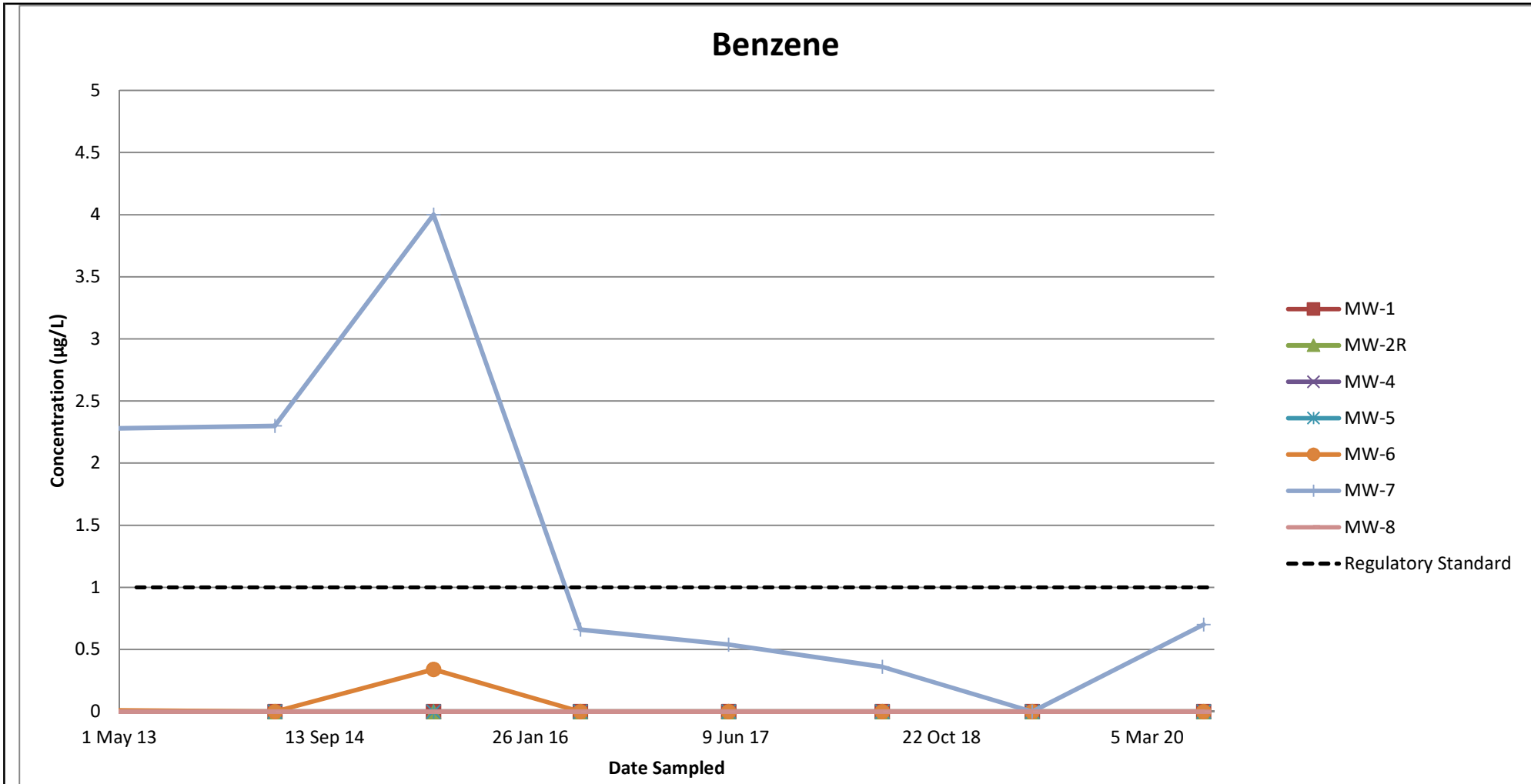


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

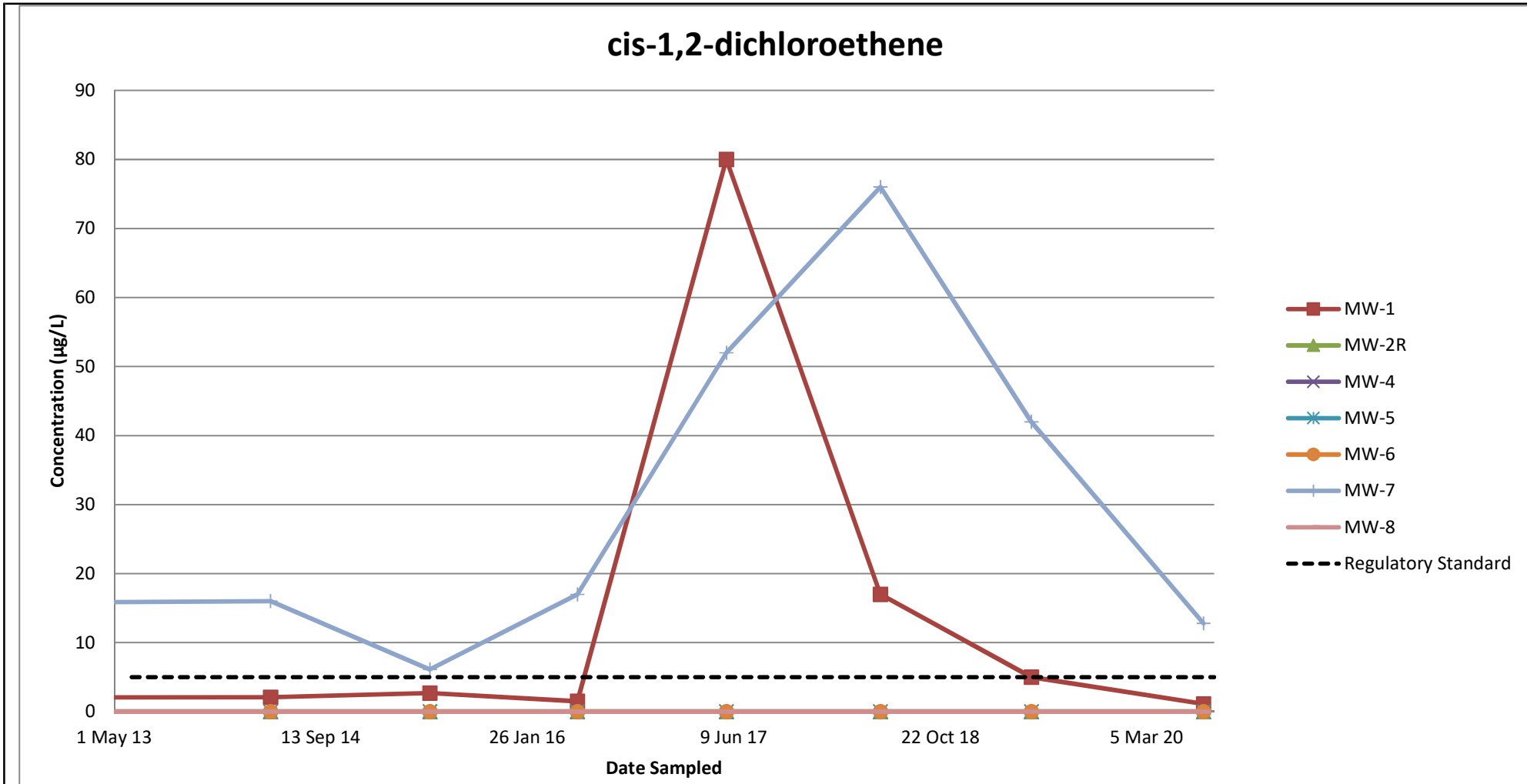
GHD



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

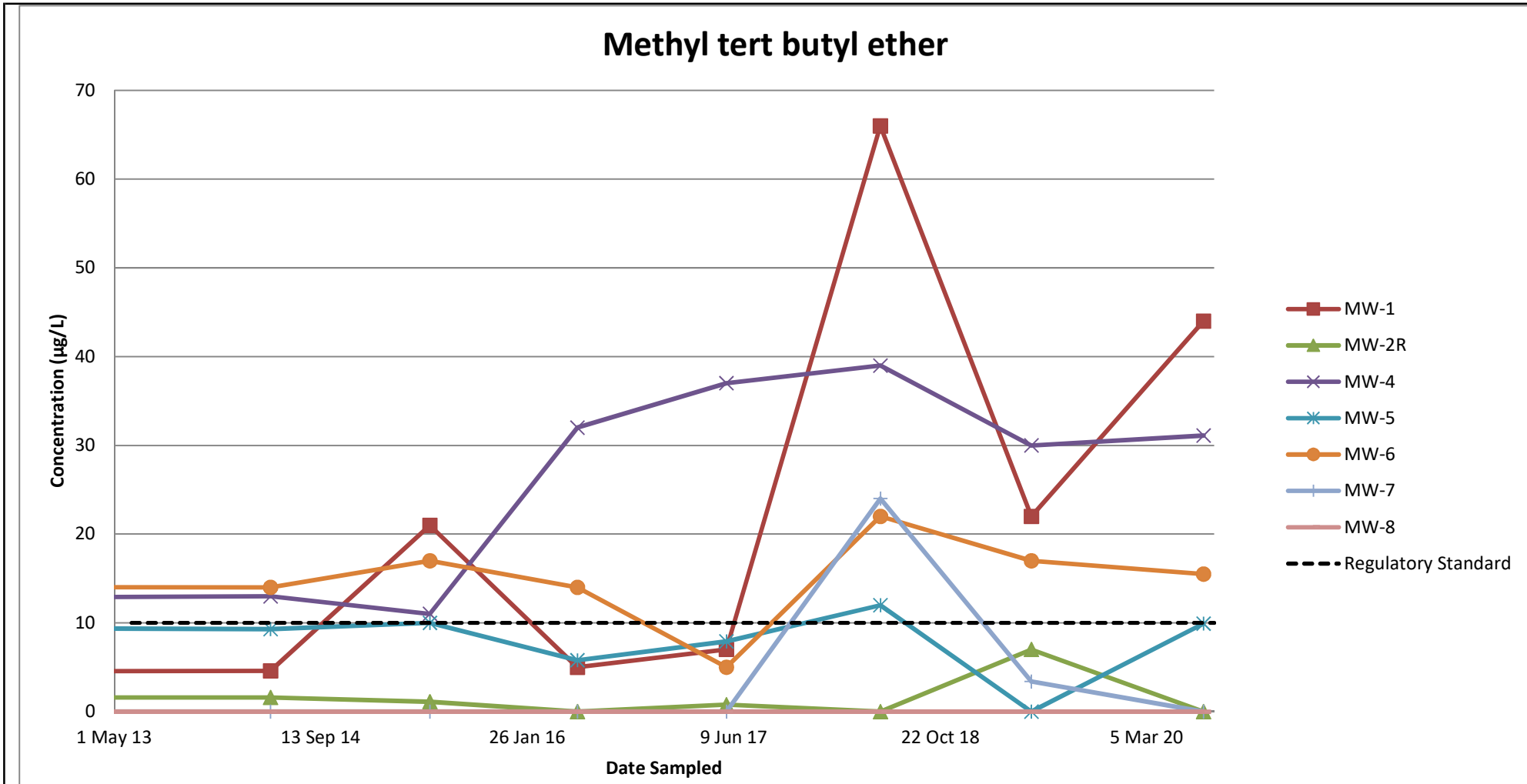


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

GHD

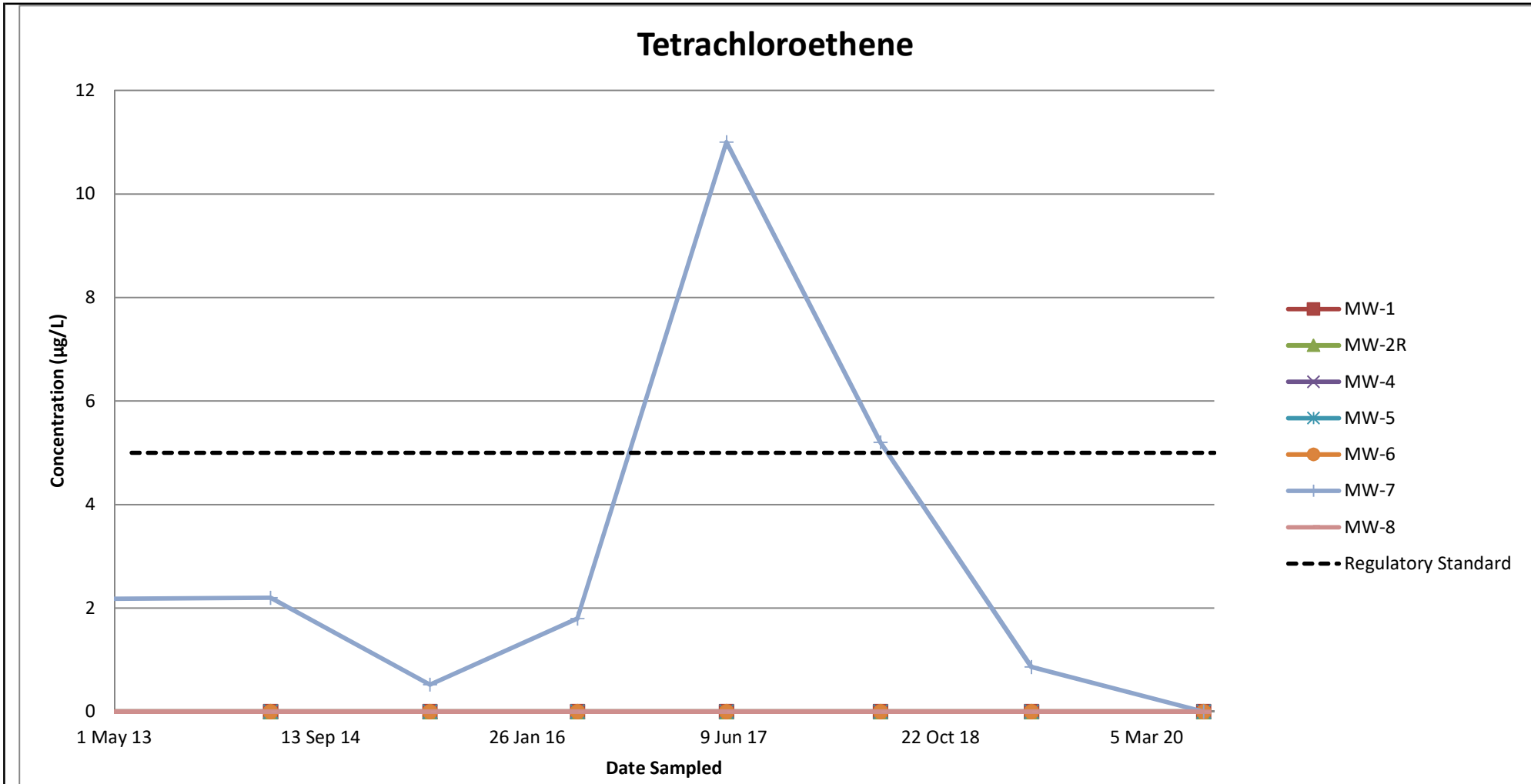


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

GHD

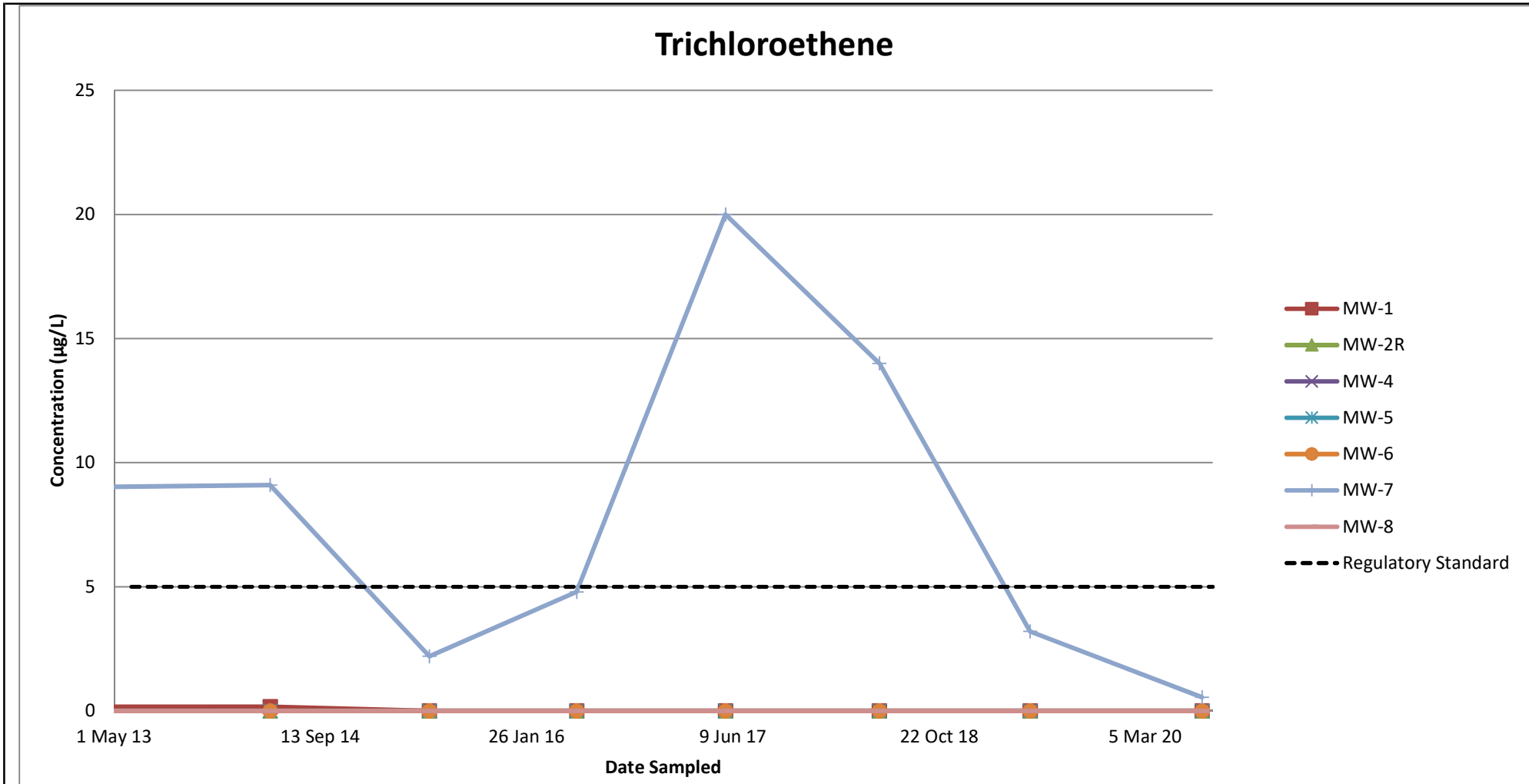


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

GHD

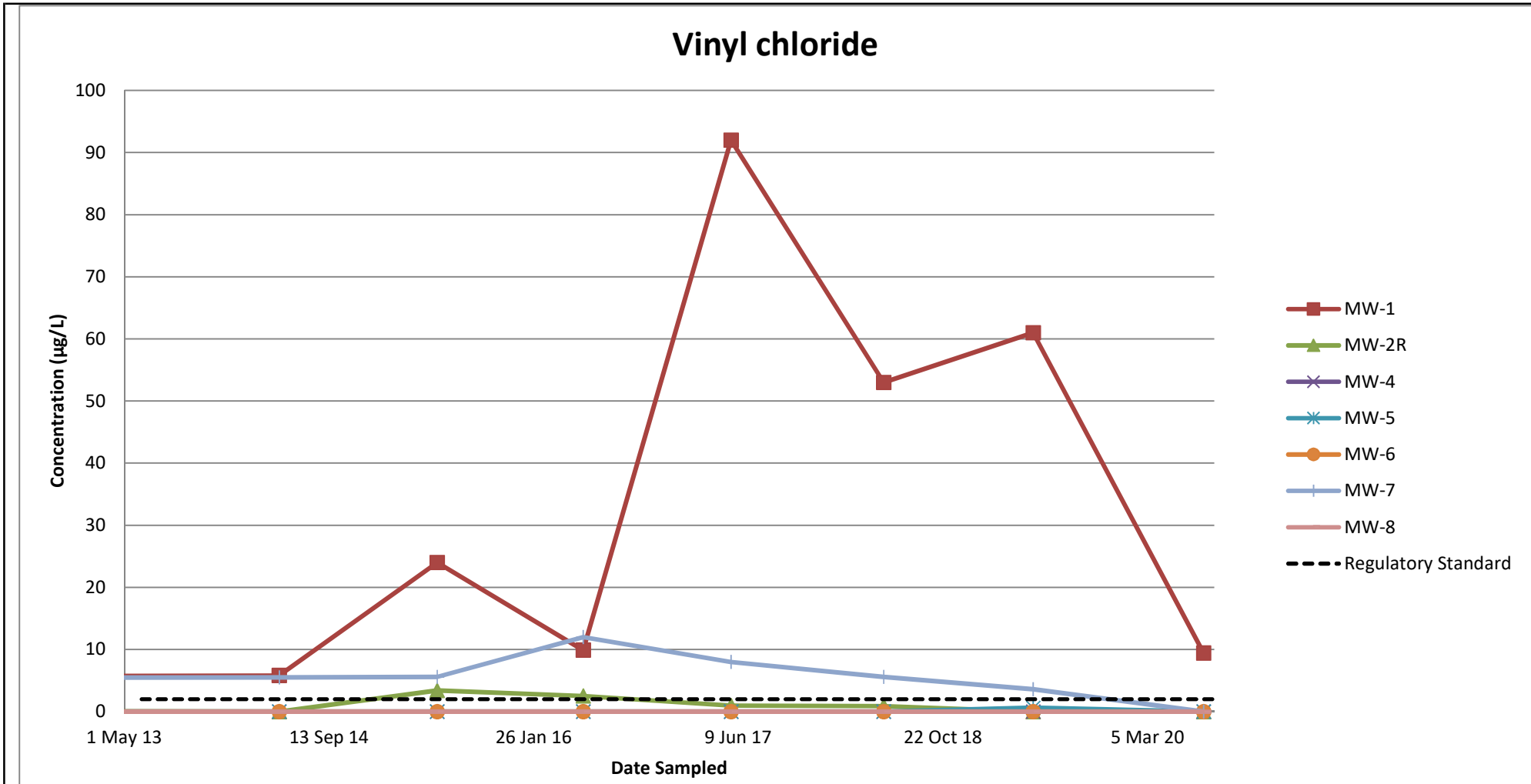


Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	

GHD



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: Jul 20	Drawn: TMK
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	