October 4, 2019 Reference No. 86-16480

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 – 2019
Sent via E-mail

In May 2019, GHD Consulting Services Inc. (GHD) personnel completed annual post-remediation groundwater monitoring activities at the 202-218 Morgan Avenue Brownfield Cleanup Program (BCP) Site located in Brooklyn, Kings County, New York (Figure 1, BCP Site #C224133). 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 May 30, 2019, one (1) round of groundwater samples was taken from the five (5) on-Site (MW-1, MW-2R, MW-4, MW-5, and MW-6) and two (2) off-Site (MW-7 and MW-8) groundwater monitoring wells shown on Figure 2. The two (2) 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 peristaltic 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 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 peristaltic pump, with the exception of samples analyzed for volatile organic compounds (VOCs), which were taken using dedicated disposable bailers. 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 a peristaltic pump and were placed into unpreserved bottles that were filtered by the laboratory.

Each groundwater sample was analyzed for:

- Target Compound List (TCL) VOCs by Environmental Protection Agency (EPA) Method 8260C
- Target Analyte List (TAL) metals (total) by 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
- 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 New York State Department of Environmental Conservation (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 used to create groundwater contours and infer 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 gradients could fluctuate somewhat throughout the day. Turbidity readings were elevated in samples taken from MW-7 and MW-8 during this round.

Groundwater field parameters were recorded during purging using a multi-parameter water quality meter equipped with a flow through cell (Table 2).

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 (1) sampling event.

During the May 2019 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 antimony (MW-1, MW-5 and MW-6)
- dissolved iron (MW-2R and MW-2R Duplicate)
- dissolved magnesium (MW-1, MW-2R, MW-5, MW-6 and MW-2R Duplicate)
- dissolved manganese (all samples)
- dissolved nickel (MW-7)
- dissolved sodium (all samples)
- total antimony (MW-1 and MW-5)
- total arsenic (MW-7)
- total chromium (MW-7)
- total iron (all samples)
- total lead (MW-5, MW-6 and MW-7)
- total magnesium (MW-2R, MW-2R Duplicate, MW-5 and MW-6)
- total manganese (all samples)
- total mercury (MW-5 and MW-7)
- total nickel (MW-7)
- total selenium (MW-7)
- total sodium (all samples)
- total PCBs (MW-1, MW-5 and MW-6)
- methyl tert-butyl ether (MTBE) (MW-1, MW-4 and MW-6)
- cis-1,2-dichloroethene (MW-1 and MW-7)
- vinyl chloride (MW-1 and MW-7).

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 appears to have potentially stabilized. This potentially developing trend will continue to be evaluated during future monitoring events.

Historic 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 DCE and VC were the only analyzed for VOCs detected above Class GA standards in the sample taken from MW-7. The concentration of DCE (degradation by-product of PCE and TCE) identified in the sample taken from on-Site well MW-1 during this round of monitoring was lower than that identified in the sample from off-site well MW-7. The concentration of VC (degradation by-product of PCE, TCE, and DCE) identified in the sample taken from on-Site well MW-1 during this round of monitoring was higher than that identified in the sample from off-site well MW-7; which may be indicative of on-going degradation of the DCE.

To date, PCE and TCE have not been detected at concentrations above Class GA standards in samples taken from any of the on-Site monitoring wells. The majority of DCE and VC detections in samples taken from on-Site wells are limited to those taken from MW-1 and MW-2R (VC only). Concentrations detected in samples taken from MW-1 have fluctuated over time but have consistently exceeded groundwater standards since 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 this round of sampling identifying a non-detect concentration. Comparison of the historical data for PCE, TCE, DCE, and VC in samples taken from MW-7 to on-Site sample data indicates there could be an off-site (upgradient) source of chlorinated VOCs that is impacting the northwestern portion of the Site. These trends will continue to be monitored during future sampling events.

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 (all samples); and sodium (all samples). The most commonly identified exceedances for dissolved metals include manganese (all samples), magnesium (5 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 standards; however, the previously identified increasing trend appears to have stabilized with detected concentrations during this round of sampling being lower than May 2018. The total magnesium concentration identified in the sample taken from MW-4 during this round, which was below groundwater standards, also indicates a potential stabilization or decreasing of the previously identified increasing trend. Total magnesium and total manganese concentrations in other on-Site and off-site wells have historically exceeded standards and are 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 this, 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 generally are not consistent over time. During this monitoring event, the following identified metals concentrations fall into this category:

- total antimony (samples MW-1 with a concentration of 10.14 ug/L and MW-5 with a concentration of 3.97 ug/L, versus the standard of 3 ug/L)
- total lead (samples MW-5 with a concentration of 409.4 ug/L, MW-6 with a concentration of 38.15 ug/L, and MW-7 with a concentration of 620 ug/L, versus the standard of 25 ug/L)
- total arsenic (sample MW-7 with a concentration of 71.3ug/L, versus the standard of 25 ug/L)
- total mercury (samples MW-5 with a concentration of 3.18 ug/L and MW-7 with a concentration of 1.33 ug/L, versus the standard of 0.7 ug/L)
- total chromium (sample MW-7 with a concentration of 4,741 ug/L, versus the standard of 50 ug/L)
- total selenium (sample MW-7 with a concentration of 13.2 ug/L, versus the standard of 10 ug/L)
- dissolved antimony (samples MW-1 with a concentration of 3.54 ug/L and MW-5 with a concentration of 3.54 ug/L, and MW-6 with a concentration of 3.64 ug/L, versus the standard of 3 ug/L)

In addition, off-site well MW-7 has consistently had detected exceedances of nickel in total and dissolved samples; however, none of the on-Site monitoring well samples have had detected exceedances to date.

It is also noted that the dissolved sample concentrations for the above metals did not exceed standards except for antimony in MW-1, MW-5, and MW-6. The above noted exceedances will be reviewed during future monitoring events to determine if discernible trends are developing.

Based on the most recent sampling events, detected concentrations of total mercury in samples taken from MW-5 and MW-7 were detected above the groundwater standard. It is noted that the dissolved mercury concentrations in samples taken from these wells did not exceed the groundwater standard. Laboratory analytical results obtained during future sampling events will be reviewed to determine if trends in mercury concentrations develop.

The spring 2019 sampling event identified exceedances of groundwater standards for total PCBs in 3 of the 8 samples taken (MW-1, MW-5 and MW-6). In general, the concentrations identified during this

monitoring event are of lesser or similar concentrations to those historically identified. The 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.

3.3 Other Analytes

The other commonly occurring analyte detected above groundwater standards during the May 2019 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.

3.4 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, in particular MW-4, should continue to be assessed during future monitoring events.

The off-site sample chlorinated VOCs data from well MW-7 may be indicative of an off-Site source that will need to be reviewed for potential impacts to Site groundwater quality during future monitoring events.

After collection of the next round of groundwater samples, which is scheduled for May 2020, 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 315-679-5732, or Damian Vanetti at 315-679-5838, if you have questions or require additional information.

Sincerely,

GHD

Ian E. McNamara
Scientist – Environment

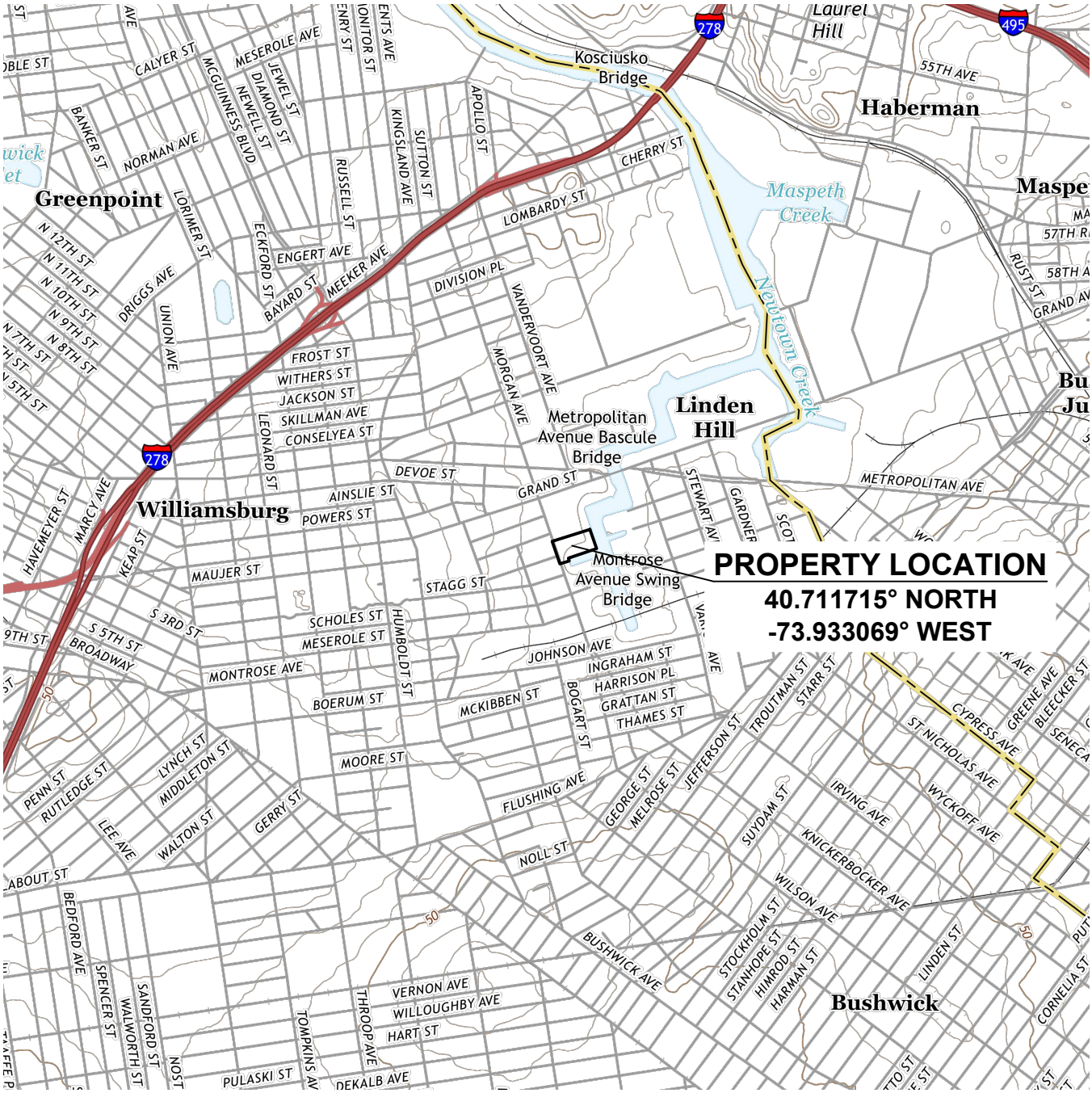
IEM
Enclosures:

- 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 QUADRANGLES:
BROOKLYN, NY (2016)
(U.S. GEOLOGICAL SURVEY WEBSITE)

0 1000 2000 3000 4000'

SCALE 1"=2000' AT ORIGINAL SIZE

N

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

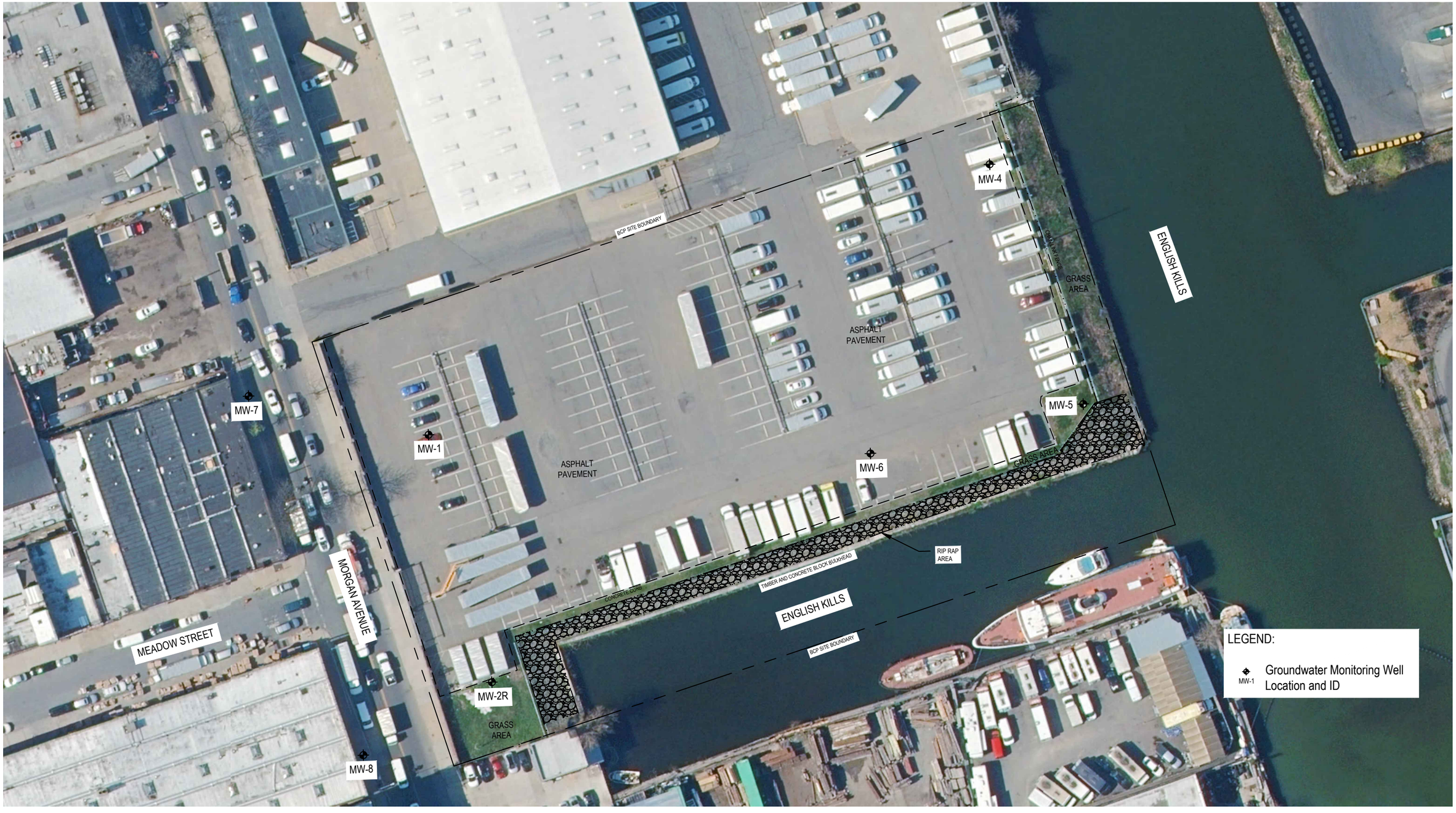
Site Location Map

Job Number	86-16480
Revision	A
Date	07.24.2019

Figure 1

One Remington Park Drive, Cazenovia NY 13035 USA **T** 1 315 679 5800 **F** 1 315 679 5801 **E** cazmail@ghd.com **W** www.ghd.com

Plot Date: 25 July 2019 - 3:22 PM Cad File No: G:\86\16480\Annual Groundwater Sampling\May 2019\Figures\Figure 1.dwg



0 30 60 90 120'

SCALE 1"=60' AT ORIGINAL SIZE

N

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.

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

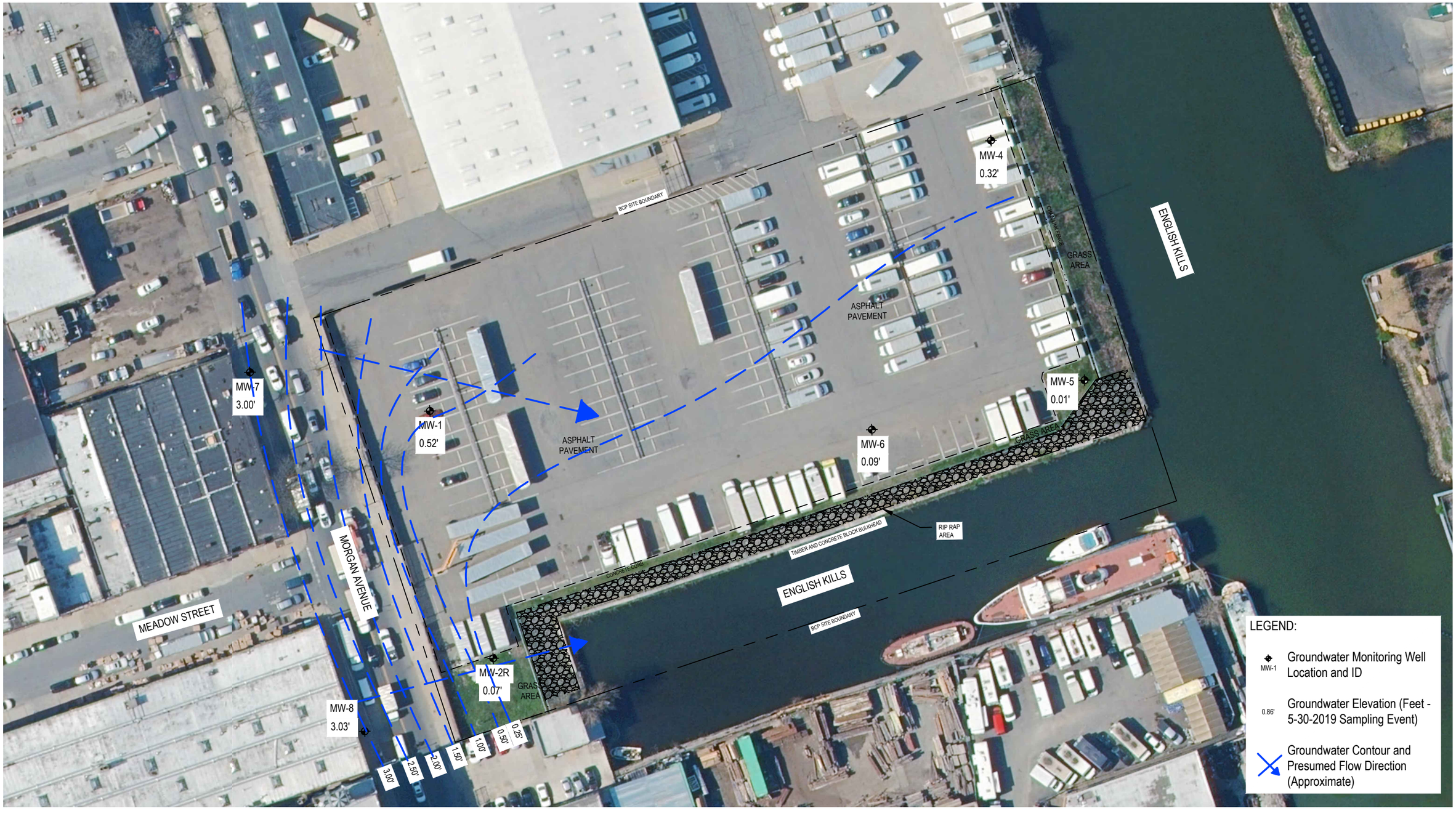
Site Layout

Job Number	86-16480
Revision	A
Date	07.24.2019

Figure 2

One Remington Park Drive, Cazenovia NY 13035 USA **T** 1 315 679 5800 **F** 1 315 679 5801 **E** cazmail@ghd.com **W** www.ghd.com

Plot Date: 24 July 2019 - 2:43 PM Cad File No: G:\86\16480\Annual Groundwater Sampling\May 2019\Figures\Figure 2.dwg



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SCALE 1"=60' AT ORIGINAL SIZE

N

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.

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

Groundwater Elevation and Flow Direction

Job Number 86-16480
Revision A
Date 07.24.2019

Figure 3

One Remington Park Drive, Cazenovia NY 13035 USA **T** 1 315 679 5800 **F** 1 315 679 5801 **E** cazmail@ghd.com **W** www.ghd.com

Plot Date: 25 July 2019 - 12:46 PM Cad File No: G:\86\16480\Annual Groundwater Sampling\May 2019\Figures\Figure 3 - GW Elevation and Flow.dwg

0 30 60 90 120'

SCALE 1"=60' AT ORIGINAL SIZE

N

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.

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

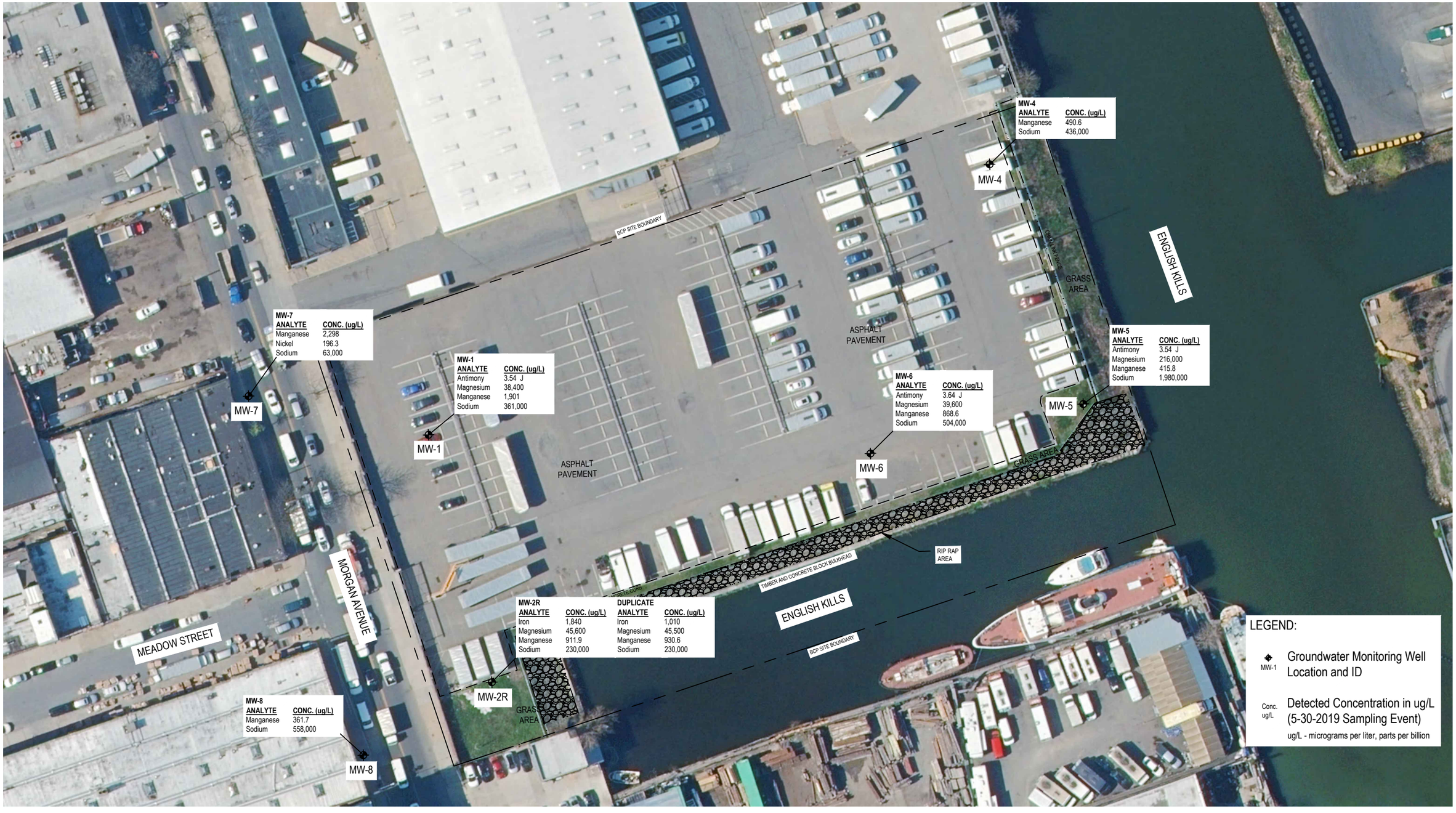
Exceedances of Groundwater Standards - Total Metals

Job Number 86-16480
Revision A
Date 07.24.2019

Figure 4

One Remington Park Drive, Cazenovia NY 13035 USA **T** 1 315 679 5800 **F** 1 315 679 5801 **E** cazmail@ghd.com **W** www.ghd.com

Plot Date: 25 July 2019 - 12:47 PM Cad File No: G:\86\16480\Annual Groundwater Sampling\May 2019\Figures\Figure 4 - GW Exceedances Total Metals.dwg



0 30 60 90 120'

SCALE 1"=60' AT ORIGINAL SIZE

N

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.

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

Exceedances of Groundwater Standards - Dissolved Metals

Job Number 86-16480
Revision A
Date 07.24.2019

Figure 5

One Remington Park Drive, Cazenovia NY 13035 USA **T** 1 315 679 5800 **F** 1 315 679 5801 **E** cazmail@ghd.com **W** www.ghd.com

Plot Date: 25 July 2019 - 12:59 PM Cad File No: G:\86\16480\Annual Groundwater Sampling\May 2019\Figures\Figure 5 - GW Exceedances Dissolved Metals.dwg

0 30 60 90 120'

SCALE 1"=60' AT ORIGINAL SIZE

N

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.

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

Exceedances of Groundwater Standards - Other Analytes

Job Number 86-16480
Revision A
Date 07.24.2019

Figure 6

One Remington Park Drive, Cazenovia NY 13035 USA **T** 1 315 679 5800 **F** 1 315 679 5801 **E** cazmail@ghd.com **W** www.ghd.com

Plot Date: 25 July 2019 - 1:28 PM Cad File No: G:\86\16480\Annual Groundwater Sampling\May 2019\Figures\Figure 6 - GW Exceedances Other Analytes.dwg

Tables

Table 1: (Page 1 of 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
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			4.9	17.95	5.36	2.09
	5/30/2019			10.19	17.95	0.07	1.24
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
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
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			2.4	17.10	7.82	2.35
	5/30/2019			10.13	17.10	0.09	1.12
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
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

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: (Page 1 of 1) 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	5/30/2019	11:00	10.6	2.010	0.09	6.44	-150	200	1.65	Water was cloudy brown with odor during purging, clear with no odor during sampling.
		11:05	10.7	1.990	0.11	6.46	-151	190		
		11:10	10.8	1.980	0.10	6.48	-152	171		
		11:15	11.0	1.960	0.05	6.49	-153	56		
		11:20	11.0	1.940	0.06	6.49	-152	21		
		11:25	11.0	1.900	0.04	6.50	-151	19		
MW-2R	5/30/2019	8:30	11.3	1.900	0.29	6.77	-141	190	1.65	Water slightly cloudy, light brown during purging, clear with no odor during sampling.
		9:05	11.4	1.890	0.21	6.70	-140	70		
		9:10	11.6	1.940	0.24	6.71	-140	40		
		9:15	11.7	1.960	0.20	6.70	-140	10		
		9:20	11.8	1.990	0.23	6.71	-143	7		
		9:25	11.8	1.970	0.19	6.72	-144	7		
MW-4	5/30/2019	12:30	16.1	3.600	8.08	7.20	20	129	1.65	Water slightly cloudy, light brown during purging, clear with no odor during sampling.
		12:35	16.4	3.480	8.25	7.34	-45	52		
		12:40	17.1	3.560	7.15	7.29	-115	41		
		12:45	18.1	3.610	7.29	7.29	-132	29		
		12:50	18.1	3.630	7.19	7.19	-133	22		
		12:55	18.2	3.630	7.44	7.18	-135	21		
MW-5	5/30/2019	6:30	10.2	4.320	0.19	6.92	-170	57	1.65	Water slightly cloudy, light brown, slight odor during purging, clear with very slight odor during sampling.
		6:35	10.9	4.300	0.11	6.90	-166	47		
		6:40	10.9	4.310	0.03	6.89	-163	28		
		6:45	10.9	4.300	0.04	6.89	-160	28		
		6:50	10.9	4.310	0.03	6.90	-157	20		
		6:55	11.0	4.320	0.06	6.88	-155	21		
MW-6	5/30/2019	7:20	11.0	3.810	0.60	6.82	-70	196	1.65	Water slightly cloudy, light brown, strong odor during purging, clear with strong odor during sampling.
		7:25	11.2	3.840	0.63	6.88	-71	100		
		7:30	11.3	3.860	0.62	6.89	-72	32		
		7:35	11.4	3.890	0.55	6.91	-74	17		
		7:40	11.5	3.880	0.54	6.88	-75	14		
		7:45	11.6	3.860	0.54	6.88	-77	14		
MW-7	5/30/2019	14:40	14.4	0.976	1.12	6.66	-19	505	1.65	Water slightly cloudy, light brown, slight odor during purging and sampling.
		14:45	14.8	0.922	1.00	6.64	-34	333		
		14:50	14.8	0.900	0.44	6.69	-140	234		
		14:55	15.0	0.899	0.43	6.40	-141	311		
		15:00	14.9	0.896	0.32	6.40	-150	200		
		15:05	14.8	0.900	0.34	6.38	-156	198		
MW-8	5/30/2019	13:15	12.5	3.311	1.99	6.54	77	657	1.65	Water slightly cloudy, light brown, slight odor during purging and sampling.
		13:20	12.7	3.140	1.09	6.67	20	700		
		13:25	12.8	3.450	0.66	6.79	-1	432		
		13:30	12.9	3.560	0.00	6.79	-88	119		
		13:35	13.0	3.570	0.00	6.80	-99	88		
		13:40	13.1	3.540	0.00	6.81	-101	92		

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

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
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	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	2,710	5,230	1,000	19.8	700	75.8
	Antimony, Total	µg/L	**3**	<12U	**6.53**	2.1	0.7J	<0.42U	0.69J	**10.14**
	Arsenic, Total	µg/L	**25**	<8U	4.26	12.1	2.5	1.54	3.01	3.87
	Barium, Total	µg/L	**1000**	180	218.7	333.3	235.6	284.9	224.9	171.4
	Beryllium, Total	µg/L	**3**	<4U	0.17J	0.4J	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	**5**	<4U	0.83	2.1	0.5	0.06J	0.36	0.13J
	Calcium, Total	µg/L		210,000	166,000	211,000	189,000	276,000	182,000	152,000
	Chromium, Total	µg/L	**50**	<50U	35.47	**91.6**	18.2	2.89	11.93	2.54
	Cobalt, Total	µg/L		<20U	3.58	7.9	2	1.16	2.12	0.97
	Copper, Total	µg/L	**200**	<50U	66.06	180	17.7	0.71J	21.1	1.88
	Iron, Total	µg/L	**300**	**4,100**	**21,500**	**24,000**	**7,160**	**3,710**	**6,260**	**3,920**
	Lead, Total	µg/L	**25**	6	**147.4**	**360.1**	**85.7**	0.84J	**45.6**	4.04
	Magnesium, Total	µg/L	**35000**	**36,000**	29,100	**36,200**	31,100	**39,200**	32,600	32,100
	Manganese, Total	µg/L	**300**	**3,000**	**2,458**	**3,322**	**2,939**	**2,792**	**2,093**	**1,856**
	Mercury, Total	µg/L	**0.7**	<1U	**3.27**	**0.81**	0.14J	<0.06U	<0.2U	<0.09U
	Nickel, Total	µg/L	**100**	<50U	30.45	69.1	18.4	9.44	13.13	6.89
	Potassium, Total	µg/L		18,000	13,900	17,500	16,300	20,700	16,100	14,500
	Selenium, Total	µg/L	**10**	<40U	1.03J	2J	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	**50**	<20U	0.66	1.6	0.1J	<0.16U	0.17J	<0.16U
	Sodium, Total	µg/L	**20000**	**220,000J**	**290,000**	**315,000**	**342,000**	**477,000**	**369,000**	**338,000**
	Thallium, Total	µg/L	**0.5**	<10U	0.04J	0.1J	<0.1U	<0.14U	<0.5U	0.19J
	Vanadium, Total	µg/L		<50U	9.55	34.1	4.3J	<1.57U	3.55J	2.07J
	Zinc, Total	µg/L	**2000**	<50U	298.2	952.9	104.2	4.44J	82.02	9.31J
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	9.6J	10.6	8J	-	6.76J	4.73J
	Antimony, Dissolved (Filtered)	µg/L	**3**	<12U	0.17J	0.1J	1.2J	-	0.69J	**3.54J**
	Arsenic, Dissolved (Filtered)	µg/L	**25**	8.3	1.68	0.8	2.2	-	1.14	2.76
	Barium, Dissolved (Filtered)	µg/L	**1000**	140	175.8	195.9	200.1	-	182.2	151
	Beryllium, Dissolved (Filtered)	µg/L	**3**	<4U	<0.5U	<0.5U	<0.2U	-	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	**5**	<4U	<0.2U	<0.5U	<0.1U	-	<0.2U	<0.05U
	Calcium, Dissolved (Filtered)	µg/L		180,000	193,000	159,000	198,000	-	183,000	160,000
	Chromium, Dissolved (Filtered)	µg/L	**50**	<50U	3.34	3.04	2.9	-	0.96J	0.81J
	Cobalt, Dissolved (Filtered)	µg/L		<20U	0.82	1.3	1.3	-	1.56	1.34
	Copper, Dissolved (Filtered)	µg/L	**200**	<50U	0.64J	0.3J	<0.3U	-	1.48	<0.38U
	Iron, Dissolved (Filtered)	µg/L	**300**	**760**	**7,470**	**5,360**	**1,920**	-	25.6J	97.7
	Lead, Dissolved (Filtered)	µg/L	**25**	<4U	<1U	<1U	0.2J	-	<1U	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	**35000**	30,000	27,300	30,800	30,300	-	26,400	**38,400**
	Manganese, Dissolved (Filtered)	µg/L	**300**	**2,500**	**2,728**	**2,886**	**3,222**	-	**1,771**	**1,901**
	Mercury, Dissolved (Filtered)	µg/L	**0.7**	<1U	<0.2U	<0.2U	<0.06U	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	**100**	<50U	7.43	10.17	14.1	-	8.2	6.87
	Potassium, Dissolved (Filtered)	µg/L		15,000	14,200	15,800	16,400	-	15,900	15,200
	Selenium, Dissolved (Filtered)	µg/L	**10**	<40U	1.29J	<100U	<1U	-	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	**50**	<20U	<0.4U	<5U	<0.1U	-	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	**20000**	**190,000J**	**356,000**	**298,000**	**382,000**	-	**430,000**	**361,000**
	Thallium, Dissolved (Filtered)	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	-	<0.5U	0.19J
	Vanadium, Dissolved (Filtered)	µg/L		<50U	0.35J	<5U	<0.6U	-	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	**2000**	<50U	2.48J	4.87J	<2.6U	-	7.39J	<3.41U

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			Sample ID	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
			Well ID	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
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	0.81J	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65J
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	0.14J
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	**50**	<10U	2.7J	<5U	<1.5U	4.8J	<5U	2.1J
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	**5**	1	0.72J	0.81J	0.77J	0.71J	<2.5U	<0.7U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	2.1J	2.7	1.5J	**80**	**17**	**5**
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	**5**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	**10**	1.5	4.6	**21**	5	7	**66**	**22**
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	**5**	<1UJ	0.17J	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	**2**	0.4	**5.8**	**24**	**9.9**	**92**	**53**	**61**

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			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**								
General Chemistry	Alkalinity, Total	µg/L		347,000	400,000	766,000	437,000	398,000	364,000	-	352,000
	Biological Oxygen Demand, Five day	µg/L		10,600	<50,000U	<40,000U	<10,000U	5,400	2,800	-	2,300
	Chemical Oxygen Demand	µg/L		690,000	1,300,000	2,800,000	46,000	20,000	47,000	-	33,000
	Chloride	µg/L	**250,000**	-	**600,000**	**540,000**	**560,000**	**840,000**	**727,000**	-	**625,000**
	Total Organic Carbon	µg/L		5,400	10,600	7,500	3,500	1,700	4,330	-	3,060
	Total Organic Halogen	ug/l		-	<20U	<20U	27.7	54	44.1	-	28
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.043J	<0.0833U	<0.03U	<0.03U
	Aroclor 1248	µg/L		<0.05U	0.768	1.46	0.286	<0.014U	0.262	<0.038U	0.085
	Aroclor 1254	µg/L		<0.05U	0.416	0.746	0.137	<0.022U	0.142	<0.014U	0.038J
	Aroclor 1260	µg/L		<0.05U	<0.083U	0.119	<0.023U	<0.023U	0.035J	<0.029U	<0.029U
	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**

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Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	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
			Well ID	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		4,200J	404	1,690	33	193	35.5	375
	Antimony, Total	µg/L	**3**	<12U	**3.12**	2.1	0.3J	<0.42U	0.8J	0.51J
	Arsenic, Total	µg/L	**25**	<8U	**36.36**	7.8	6.8	6.51	6.25	4.43
	Barium, Total	µg/L	**1000**	200	192.8	227.1	227.7	298	308.7	371.6
	Beryllium, Total	µg/L	**3**	<4U	0.1J	0.2J	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	**5**	<4U	0.19J	0.1J	<0.1U	0.2	<0.2U	<0.05U
	Calcium, Total	µg/L		320,000	88,100	93,300	73,700	73,300	82,200	96,800
	Chromium, Total	µg/L	**50**	<50U	10.5	10.4	0.5J	1.01	0.4J	2.05
	Cobalt, Total	µg/L		<20U	1.18	2.6	0.2	0.23J	<0.5U	0.55
	Copper, Total	µg/L	**200**	<50U	20.21	30.9	<0.3U	2.47	0.6J	4.92
	Iron, Total	µg/L	**300**	**13,000J**	**58,600**	**24,100**	**14,000**	**14,100**	**17,300**	**19,000**
	Lead, Total	µg/L	**25**	**120J**	**73.18**	**178**	1.9	13.48	2.01	22.43
	Magnesium, Total	µg/L	**35000**	**140,000**	33,900	**35,700**	33,800	34,400	**41,500**	**44,300**
	Manganese, Total	µg/L	**300**	**900**	**374.7**	**699.3**	**804.9**	**708.6**	**901.2**	**1,009**
	Mercury, Total	µg/L	**0.7**	<1U	0.38	0.46	0.09J	0.06J	<0.2U	<0.09U
	Nickel, Total	µg/L	**100**	<50U	3.41	5.5	1.3J	1.75J	<2U	0.69J
	Potassium, Total	µg/L		55,000	14,400	16,000	14,300	16,500	16,800	19,600
	Selenium, Total	µg/L	**10**	<40U	0.53J	<5U	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	**50**	<20U	<0.4U	0.1J	<0.1U	<0.16U	<0.4U	<0.16U
	Sodium, Total	µg/L	**20000**	**770,000J**	**142,000**	**221,000**	**200,000**	**273,000**	**178,000**	**253,000**
	Thallium, Total	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U
	Vanadium, Total	µg/L		<50U	6.59	8.1	<0.6U	<1.57U	<5U	1.94J
	Zinc, Total	µg/L	**2000**	120	68.19	80.8	<2.6U	5.88J	<10U	7.43J
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	4.54J	<3.27U
	Antimony, Dissolved (Filtered)	µg/L	**3**	<12U	-	-	-	-	<4U	1.13J
	Arsenic, Dissolved (Filtered)	µg/L	**25**	<8U	-	-	-	-	0.83	0.68
	Barium, Dissolved (Filtered)	µg/L	**1000**	160	-	-	-	-	231.6	275.2
	Beryllium, Dissolved (Filtered)	µg/L	**3**	<4U	-	-	-	-	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	**5**	<4U	-	-	-	-	<0.2U	<0.05U
	Calcium, Dissolved (Filtered)	µg/L		320,000	-	-	-	-	88,800	89,600
	Chromium, Dissolved (Filtered)	µg/L	**50**	<50U	-	-	-	-	0.18J	<0.17U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	0.18J	0.17J
	Copper, Dissolved (Filtered)	µg/L	**200**	<50U	-	-	-	-	0.82J	<0.38U
	Iron, Dissolved (Filtered)	µg/L	**300**	**870**	-	-	-	-	35.1J	**1,840**
	Lead, Dissolved (Filtered)	µg/L	**25**	<4U	-	-	-	-	<1U	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	**35000**	**140,000**	-	-	-	-	34,400	**45,600**
	Manganese, Dissolved (Filtered)	µg/L	**300**	**830**	-	-	-	-	**915.9**	**911.9**
	Mercury, Dissolved (Filtered)	µg/L	**0.7**	<1U	-	-	-	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	**100**	<50U	-	-	-	-	0.87J	0.75J
	Potassium, Dissolved (Filtered)	µg/L		55,000	-	-	-	-	17,400	18,000
	Selenium, Dissolved (Filtered)	µg/L	**10**	<40U	-	-	-	-	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	**50**	<20U	-	-	-	-	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	**20000**	**760,000J**	-	-	-	-	**213,000**	**230,000**
	Thallium, Dissolved (Filtered)	µg/L	**0.5**	<10U	-	-	-	-	<0.5U	<0.14U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	**2000**	<50U	-	-	-	-	<10U	<3.41U

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			Sample ID	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
			Well ID	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
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	**50**	<10U	2.3J	<5U	<1.5U	<1.5U	<5U	4.4J
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	**60**	<1U	<5U	2.2J	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	**5**	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	**5**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	**10**	1.6	1.6J	1.1J	<0.7U	0.77J	<2.5U	7
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	**5**	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	**2**	**4.7**	<1U	**3.4**	**2.5**	0.98J	0.87J	<0.07U

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			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**								
General Chemistry	Alkalinity, Total	µg/L		308,000	312,000	317,000	271,000	281,000	298,000	-	295,000
	Biological Oxygen Demand, Five day	µg/L		<6,000U	<10,000U	<5,000U	<2,000U	<2,000U	<2,000U	-	<2,000U
	Chemical Oxygen Demand	µg/L		32,900	74,000	55,000	22,000	18,000	6,000J	-	21,000
	Chloride	µg/L	**250,000**	-	**270,000**	**340,000**	**340,000**	**430,000**	**376,000**	-	**472,000**
	Total Organic Carbon	µg/L		2,800	11,200	3,200	2,600	2,300	3,120	-	11,600
	Total Organic Halogen	ug/l		-	26.9	20.9	14.1J	41.1	19.9J	-	30
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	<0.03U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U	<0.038U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.034J	<0.022U	<0.0833U	<0.014U	<0.014U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U	<0.029U
	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

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			Sample ID	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
			Well ID	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	5,000	44.9
	Antimony, Total	µg/L	**3**	<12U	2.91	1.2J	1J	1.2J	**3.39J**	<0.42U
	Arsenic, Total	µg/L	**25**	<8U	9.74	5.9	7.8	3.56	**55.78**	7.12
	Barium, Total	µg/L	**1000**	660	92.03	80.4	80.8	112.5	290.4	163.5
	Beryllium, Total	µg/L	**3**	<4U	<0.5U	<0.5U	<0.2U	<0.1U	0.43J	<0.1U
	Cadmium, Total	µg/L	**5**	<4U	0.05J	0.1J	0.3	0.5	2.74	0.44
	Calcium, Total	µg/L		520,000J	272,000	294,000	207,000	220,000	291,000	229,000
	Chromium, Total	µg/L	**50**	<50U	0.77J	2.8	2.2	0.81J	16.9	0.87J
	Cobalt, Total	µg/L		<20U	0.36	0.49J	1.6	0.69	13.26	0.6
	Copper, Total	µg/L	**200**	<50U	1.12J	2.2	9.9	2.13	111.6	0.67J
	Iron, Total	µg/L	**300**	**650**	186	219	**1,290**	**336**	**16,400**	**541**
	Lead, Total	µg/L	**25**	9	3.12	3.5	25	5.51	**288.8**	2.24
	Magnesium, Total	µg/L	**35000**	8,400J	6,600	12,300	16,200	30,700	**36,900**	30,800
	Manganese, Total	µg/L	**300**	100	5.31	13	35.3	**302.2**	**752.8**	**546.9**
	Mercury, Total	µg/L	**0.7**	<1U	<0.2U	<0.2U	<0.06U	<0.06U	0.4	<0.09U
	Nickel, Total	µg/L	**100**	<50U	3.56	5.5	7.6	5.08	35.7	5.44
	Potassium, Total	µg/L		64,000	70,700	77,800	74,200	53,200	52,000	52,400
	Selenium, Total	µg/L	**10**	<40U	0.55J	<5U	<1U	<1.73U	1.97J	<1.73U
	Silver, Total	µg/L	**50**	<20U	<0.4U	<0.4U	<0.1U	<0.16U	0.25J	<0.16U
	Sodium, Total	µg/L	**20000**	**250,000J**	**303,000**	**339,000**	**387,000**	**331,000**	**382,000**	**486,000**
	Thallium, Total	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	<0.14U	0.16J	<0.14U
	Vanadium, Total	µg/L		<50U	0.92J	1.3J	3.3J	1.69J	21.8	1.67J
	Zinc, Total	µg/L	**2000**	<50U	13.78	31.8	60.7	30.16	760.7	9.33J
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	9.43J	<3.27U
	Antimony, Dissolved (Filtered)	µg/L	**3**	<12U	-	-	-	-	1.23J	0.72J
	Arsenic, Dissolved (Filtered)	µg/L	**25**	<8U	-	-	-	-	23.96	9.13
	Barium, Dissolved (Filtered)	µg/L	**1000**	620	-	-	-	-	171.1	150
	Beryllium, Dissolved (Filtered)	µg/L	**3**	<4U	-	-	-	-	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	**5**	<4U	-	-	-	-	<0.2U	<0.05U
	Calcium, Dissolved (Filtered)	µg/L		440,000J	-	-	-	-	243,000	204,000
	Chromium, Dissolved (Filtered)	µg/L	**50**	<50U	-	-	-	-	0.35J	0.29J
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	0.61	0.6
	Copper, Dissolved (Filtered)	µg/L	**200**	<50U	-	-	-	-	<1U	<0.38U
	Iron, Dissolved (Filtered)	µg/L	**300**	<280U	-	-	-	-	49.1J	89.4
	Lead, Dissolved (Filtered)	µg/L	**25**	<4U	-	-	-	-	0.91J	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	**35000**	<2,000UJ	-	-	-	-	27,200	31,200
	Manganese, Dissolved (Filtered)	µg/L	**300**	<40U	-	-	-	-	**433.7**	**490.6**
	Mercury, Dissolved (Filtered)	µg/L	**0.7**	<1U	-	-	-	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	**100**	<50U	-	-	-	-	3.39	4.29
	Potassium, Dissolved (Filtered)	µg/L		65,000	-	-	-	-	40,300	46,900
	Selenium, Dissolved (Filtered)	µg/L	**10**	<40U	-	-	-	-	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	**50**	<20U	-	-	-	-	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	**20000**	**250,000J**	-	-	-	-	**457,000**	**436,000**
	Thallium, Dissolved (Filtered)	µg/L	**0.5**	<10U	-	-	-	-	<0.5U	<0.14U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	**2000**	<50U	-	-	-	-	3.52J	<3.41U

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
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	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
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	**50**	4	5	<5U	2.3J	5.9	<5U	1.7J
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	4J
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	**5**	<1UJ	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	**10**	4	**13**	**11**	**32**	**37**	**39**	**30**
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	**2**	<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U

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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	12/19/2018	5/30/2019
			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**								
General Chemistry	Alkalinity, Total	µg/L		446,000	186,000	83,400	96,800	484,000	586,000	-	625,000
	Biological Oxygen Demand, Five day	µg/L		11,700	<5,000U	<5,000U	4,300	<5,000U	<5,000U	-	9,200
	Chemical Oxygen Demand	µg/L		1,170,000	150,000	110,000	99,000	82,000	100,000	-	73,000
	Chloride	µg/L	**250,000**	-	**460,000**	**560,000**	**620,000**	**640,000**	**879,000**	-	**840,000**
	Total Organic Carbon	µg/L		26,900	52,100	25,000	25,000	17,000	17,000	-	15,100
	Total Organic Halogen	ug/l		-	47.4	50.5	36.9	42	19.6J	-	27
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.045J	<0.0833U	0.084	<0.03U
	Aroclor 1248	µg/L		<0.05U	0.11	<0.083U	<0.014U	<0.014U	0.158	<0.038U	<0.038U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	0.114	0.064J	<0.014U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.044J	<0.029U	<0.029U
	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

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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
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	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	2,380	589	242	8.24J	95.5	1,960
	Antimony, Total	µg/L	**3**	<12U	**3.01**	0.9J	1.5J	**3.31J**	**3.89J**	**3.97J**
	Arsenic, Total	µg/L	**25**	25	11.91	3	3.7	7.57	4.06	21.22
	Barium, Total	µg/L	**1000**	56	126.4	125.7	129.2	68.44	80.6	183.8
	Beryllium, Total	µg/L	**3**	<4U	0.12J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	**5**	<4U	1.56	0.5	0.2J	<0.05U	0.16J	3.94
	Calcium, Total	µg/L		210,000J	243,000	228,000	224,000	197,000	259,000	268,000
	Chromium, Total	µg/L	**50**	<50U	8.36	3.6	1.7J	4.89	0.79J	9.91
	Cobalt, Total	µg/L		<20U	3.84	2.4	1	1.08	0.96	7.43
	Copper, Total	µg/L	**200**	<50U	49.9	13.2	<0.3U	0.51J	3.69	78.3
	Iron, Total	µg/L	**300**	**4,000**	**16,400**	**4,070**	**5,740**	**3,010**	**3,300**	**6,570**
	Lead, Total	µg/L	**25**	6	**244.8**	**90.4**	**46**	<1.71U	15.02	**409.6**
	Magnesium, Total	µg/L	**35000**	**120,000J**	**147,000**	**156,000**	**306,000**	**174,000**	**170,000**	**214,000**
	Manganese, Total	µg/L	**300**	**950**	**1,020**	**1,060**	**768.1**	**449.9**	**531**	**508.6**
	Mercury, Total	µg/L	**0.7**	<1U	**6.02**	**0.93**	0.29	<0.06U	<0.2U	**3.18**
	Nickel, Total	µg/L	**100**	<50U	26.93	14	6.8	11.62	8.52	46.22
	Potassium, Total	µg/L		73,000	75,300	72,500	115,000	84,000	91,400	106,000
	Selenium, Total	µg/L	**10**	<40U	0.77J	<5U	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	**50**	<20U	0.17J	<0.4U	<0.1U	<0.16U	<0.4U	0.3J
	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**
	Thallium, Total	µg/L	**0.5**	<10U	0.06J	<0.5U	0.1J	<0.71U	<0.5U	0.16J
	Vanadium, Total	µg/L		<50U	12.03	4.2J	2J	<1.57U	<5U	15.84
	Zinc, Total	µg/L	**2000**	<50U	736.6	223.7	29.6	15.6	36.68	543.9
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	3.75J	3.29J
	Antimony, Dissolved (Filtered)	µg/L	**3**	<12U	-	-	-	-	1.75J	**3.54J**
	Arsenic, Dissolved (Filtered)	µg/L	**25**	10	-	-	-	-	0.98	1.58
	Barium, Dissolved (Filtered)	µg/L	**1000**	54	-	-	-	-	82.71	97.95
	Beryllium, Dissolved (Filtered)	µg/L	**3**	<4U	-	-	-	-	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	**5**	<4U	-	-	-	-	<0.2U	0.08J
	Calcium, Dissolved (Filtered)	µg/L		220,000J	-	-	-	-	249,000	194,000
	Chromium, Dissolved (Filtered)	µg/L	**50**	<50U	-	-	-	-	<1U	<0.17U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	0.73	1.55
	Copper, Dissolved (Filtered)	µg/L	**200**	<50U	-	-	-	-	0.9J	0.71J
	Iron, Dissolved (Filtered)	µg/L	**300**	**370**	-	-	-	-	35J	168
	Lead, Dissolved (Filtered)	µg/L	**25**	4	-	-	-	-	<1U	2.71
	Magnesium, Dissolved (Filtered)	µg/L	**35000**	**120,000J**	-	-	-	-	**160,000**	**216,000**
	Manganese, Dissolved (Filtered)	µg/L	**300**	**970**	-	-	-	-	**511.1**	**415.8**
	Mercury, Dissolved (Filtered)	µg/L	**0.7**	<1U	-	-	-	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	**100**	<50U	-	-	-	-	5.02	10.96
	Potassium, Dissolved (Filtered)	µg/L		77,000	-	-	-	-	89,000	79,800
	Selenium, Dissolved (Filtered)	µg/L	**10**	<40U	-	-	-	-	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	**50**	<20U	-	-	-	-	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	**20000**	**760,000J**	-	-	-	-	**1,540,000**	**1,980,000**
	Thallium, Dissolved (Filtered)	µg/L	**0.5**	<10U	-	-	-	-	<0.5U	0.18J
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	**2000**	<50U	-	-	-	-	7.43J	54.04

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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
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	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
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	**50**	<10U	2.2J	<5U	<1.5U	<1.5U	2.2J	<1.5U
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	**60**	<1U	<5U	3.5J	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	**5**	<1UJ	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L		<1U	<20U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	**10**	**16**	9.3	10	5.8	7.9	**12**	<0.7U
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	**2**	<1U	<1U	<1U	<0.07U	<0.07U	<1U	0.63J

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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	12/19/2018	5/30/2019
			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**								
General Chemistry	Alkalinity, Total	µg/L		637,000	387,000	455,000	370,000	377,000	421,000	-	376,000
	Biological Oxygen Demand, Five day	µg/L		21,000	13,000	7,400	<40,000U	<2,000U	<5,000U	-	11,000
	Chemical Oxygen Demand	µg/L		324,000	220,000	260,000	150,000	73,000	51,000	-	280,000
	Chloride	µg/L	**250,000**	-	**1,400,000**	**1,900,000**	**4,600,000**	**3,100,000**	**3,400,000**	-	**3,940,000**
	Total Organic Carbon	µg/L		18,800	23,200	13,000	6,200	9,000	13,900	-	2,060
	Total Organic Halogen	ug/l		-	66.5	41.4	72.2	81.1	80.3	-	52.4
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U	0.12
	Aroclor 1248	µg/L		<0.05U	0.195	0.216	<0.014U	<0.014U	<0.0833U	<0.038U	<0.038U
	Aroclor 1254	µg/L		<0.05U	0.17	0.153	<0.022U	<0.022U	<0.0833U	<0.014U	0.091
	Aroclor 1260	µg/L		<0.05U	0.084	0.103	<0.023U	<0.023U	<0.0833U	<0.029U	0.096
	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	**0.307**

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Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	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
			Well ID	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	1,230	488
	Antimony, Total	µg/L	**3**	<12U	**3.09**	1.4J	1.1J	1.95J	**4.92**	1.89J
	Arsenic, Total	µg/L	**25**	14	7.55	3.2	4.5	14.06	10.44	4.96
	Barium, Total	µg/L	**1000**	140	104.8	156	166.5	145.5	217.1	174
	Beryllium, Total	µg/L	**3**	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	**5**	<4U	0.93	0.2	0.8	1.45	0.59	0.21
	Calcium, Total	µg/L		360,000J	292,000	285,000	280,000	286,000	340,000	287,000
	Chromium, Total	µg/L	**50**	<50U	3.97	2.1	1.2J	3.44	3.75	2.38
	Cobalt, Total	µg/L		<20U	4.53	1.3	1.4	2.15	2.92	1.27
	Copper, Total	µg/L	**200**	<50U	3.64	4.9	7.1	11.45	28.28	8.84
	Iron, Total	µg/L	**300**	**650**	**5,820**	**1,270**	**1,870**	**5,550**	**6,000**	**2,260**
	Lead, Total	µg/L	**25**	10	9.28	17.4	15.1	**25.67**	**92.14**	**38.15**
	Magnesium, Total	µg/L	**35000**	**47,000J**	**46,300**	**52,500**	**57,400**	**40,000**	**49,000**	**40,200**
	Manganese, Total	µg/L	**300**	**640**	**1,526**	**757.3**	**952.6**	**1,118**	**1,165**	**729.6**
	Mercury, Total	µg/L	**0.7**	<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U
	Nickel, Total	µg/L	**100**	<50U	22.81	8	9.4	11.82	11.23	5.71
	Potassium, Total	µg/L		66,000	61,100	54,200	60,800	49,900	61,000	63,300
	Selenium, Total	µg/L	**10**	<40U	0.51J	<5U	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	**50**	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U
	Sodium, Total	µg/L	**20000**	**410,000J**	**385,000**	**393,000**	**470,000**	**408,000**	**490,000**	**593,000**
	Thallium, Total	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U
	Vanadium, Total	µg/L		<50U	2.66J	3.1J	2J	4.95J	6.45	3.53J
	Zinc, Total	µg/L	**2000**	<50U	819.6	121.7	98.3	177	157.5	40.84
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	-	-	9.72J	<6.54U
	Antimony, Dissolved (Filtered)	µg/L	**3**	<12U	-	-	-	-	**3.82J**	**3.64J**
	Arsenic, Dissolved (Filtered)	µg/L	**25**	10	-	-	-	-	5.05	5.97
	Barium, Dissolved (Filtered)	µg/L	**1000**	130	-	-	-	-	159.1	114.8
	Beryllium, Dissolved (Filtered)	µg/L	**3**	<4U	-	-	-	-	<0.5U	<0.21U
	Cadmium, Dissolved (Filtered)	µg/L	**5**	<4U	-	-	-	-	<0.2U	<0.11U
	Calcium, Dissolved (Filtered)	µg/L		340,000J	-	-	-	-	363,000	262,000
	Chromium, Dissolved (Filtered)	µg/L	**50**	<50U	-	-	-	-	0.43J	<0.35U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	-	-	1.25	1.22
	Copper, Dissolved (Filtered)	µg/L	**200**	<50U	-	-	-	-	1.98	<0.76U
	Iron, Dissolved (Filtered)	µg/L	**300**	**370**	-	-	-	-	79.9	138
	Lead, Dissolved (Filtered)	µg/L	**25**	5	-	-	-	-	0.76J	<0.68U
	Magnesium, Dissolved (Filtered)	µg/L	**35000**	**46,000J**	-	-	-	-	**43,000**	**39,600**
	Manganese, Dissolved (Filtered)	µg/L	**300**	**630**	-	-	-	-	**1,155**	**868.6**
	Mercury, Dissolved (Filtered)	µg/L	**0.7**	<1U	-	-	-	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	**100**	<50U	-	-	-	-	6.44	6.6
	Potassium, Dissolved (Filtered)	µg/L		65,000	-	-	-	-	49,400	53,800
	Selenium, Dissolved (Filtered)	µg/L	**10**	<40U	-	-	-	-	<5U	<3.46U
	Silver, Dissolved (Filtered)	µg/L	**50**	<20U	-	-	-	-	<0.4U	<0.32U
	Sodium, Dissolved (Filtered)	µg/L	**20000**	**400,000J**	-	-	-	-	**617,000**	**504,000**
	Thallium, Dissolved (Filtered)	µg/L	**0.5**	<10U	-	-	-	-	0.23J	<0.28U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	-	-	<5U	<3.14U
	Zinc, Dissolved (Filtered)	µg/L	**2000**	<50U	-	-	-	-	13.14	15.95J

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			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	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
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	**50**	12	3.7J	<5U	2J	9.8	4.5J	3.5J
	Benzene	µg/L	**1**	**1.1**	<0.5U	0.34J	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	6.7
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	**5**	<1UJ	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	**5**	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	**10**	**16**	**14**	**17**	**14**	5	**22**	**17**
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	**5**	4.4	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	**2**	<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U

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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	12/19/2018	5/30/2019
			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**								
General Chemistry	Alkalinity, Total	µg/L		530,000	560,000	807,000	718,000	492,000	569,000	-	534,000
	Biological Oxygen Demand, Five day	µg/L		12,300	26,000	48,000	29,000	15,000	<10,000U	-	11,000
	Chemical Oxygen Demand	µg/L		994,000	320,000	180,000	580,000	71,000	95,000	-	73,000
	Chloride	µg/L	**250,000**	-	**620,000**	**660,000**	**780,000**	**980,000**	**1,170,000**	-	**1,080,000**
	Total Organic Carbon	µg/L		24,000	35,100	21,000	22,000	16,000	15,800	-	15,600
	Total Organic Halogen	ug/l		-	47.4	35.7	30.5	50.8	50.7	-	32.6
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U
	Aroclor 1242	µg/L		<0.05U	0.279	<0.083U	<0.014U	0.026J	<0.0833U	<0.03U	0.103
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	0.075J	<0.038U	<0.038U
	Aroclor 1254	µg/L		<0.05U	0.187	<0.083U	0.022J	<0.022U	0.058J	<0.014U	0.044J
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.036J	<0.029U	<0.029U
	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**

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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
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	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
	Antimony, Total	µg/L	**3**	<12U	0.52J	0.2J	0.3J	<0.42U	<4U	0.88J
	Arsenic, Total	µg/L	**25**	<8U	1.4	2.8	2.3	1.47	1.78	**71.3**
	Barium, Total	µg/L	**1000**	150	85.68	120.7	97.9	67.41	83.01	906.4
	Beryllium, Total	µg/L	**3**	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	2.04
	Cadmium, Total	µg/L	**5**	<4U	<0.2U	<0.2U	<0.1U	<0.05U	<0.2U	4.01
	Calcium, Total	µg/L		110,000	109,000	122,000	91,600	85,000	94,400	123,000
	Chromium, Total	µg/L	**50**	<50U	0.99J	7.7	7.3	4.01	12.18	**4,741**
	Cobalt, Total	µg/L		<20U	1.15	1.5	1.3	1.82	2.65	47.81
	Copper, Total	µg/L	**200**	<50U	1.13J	1.9J	<0.3U	<0.38U	0.42J	193.4
	Iron, Total	µg/L	**300**	**6,400**	**3,170**	**5,040**	**4,630**	**3,750**	**5,330**	**384,000**
	Lead, Total	µg/L	**25**	<4U	<1U	1.1	0.7J	0.39J	0.71J	**620**
	Magnesium, Total	µg/L	**35000**	7,300	7,040	10,300	8,580	9,690	15,700	22,500
	Manganese, Total	µg/L	**300**	**830**	**823.6**	**913.5**	**801.4**	**1,074**	**1,957**	**5,535**
	Mercury, Total	µg/L	**0.7**	<1U	<0.2U	<0.2U	0.11J	<0.06U	<0.2U	**1.33**
	Nickel, Total	µg/L	**100**	100	**121.9**	**160**	**173.4**	**143.7**	**187.2**	**4,745**
	Potassium, Total	µg/L		13,000	9,020	12,200	11,400	8,360	8,530	11,900
	Selenium, Total	µg/L	**10**	<40U	<5U	<5U	<1U	<1.73U	<5U	**13.2**
	Silver, Total	µg/L	**50**	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	0.52
	Sodium, Total	µg/L	**20000**	**330,000J**	**153,000**	**186,000**	**138,000**	**81,800**	**58,200**	**74,400**
	Thallium, Total	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	<0.14U	<0.5U	0.42J
	Vanadium, Total	µg/L		<50U	<5U	<5U	<0.6U	<1.57U	<5U	63.64
	Zinc, Total	µg/L	**2000**	<50U	9.03J	42.6	<2.6U	<3.41U	3.89J	507.5
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	68.3	-	4J	<3.27U	4.06J	4.34J
	Antimony, Dissolved (Filtered)	µg/L	**3**	<12U	0.75J	-	0.4J	<0.42U	<4U	0.87J
	Arsenic, Dissolved (Filtered)	µg/L	**25**	<8U	5.08	-	1.2	0.69	0.6	0.53
	Barium, Dissolved (Filtered)	µg/L	**1000**	150	119.3	-	80.8	64.71	76.08	86.61
	Beryllium, Dissolved (Filtered)	µg/L	**3**	<4U	<0.5U	-	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	**5**	<4U	0.05J	-	<0.1U	<0.05U	<0.2U	<0.05U
	Calcium, Dissolved (Filtered)	µg/L		130,000	118,000	-	126,000	87,900	97,300	92,400
	Chromium, Dissolved (Filtered)	µg/L	**50**	<50U	23.34	-	3	0.69J	0.69J	1.12
	Cobalt, Dissolved (Filtered)	µg/L		<20U	1.28	-	1.6	1.85	2.6	2.45
	Copper, Dissolved (Filtered)	µg/L	**200**	<50U	1.31	-	<0.3U	<0.38U	0.77J	<0.38U
	Iron, Dissolved (Filtered)	µg/L	**300**	**980**	**13,400**	-	**652**	172	22.8J	81.4
	Lead, Dissolved (Filtered)	µg/L	**25**	<4U	2.24	-	<0.1U	<0.34U	<1U	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	**35000**	8,500	8,240	-	7,540	9,920	15,900	16,800
	Manganese, Dissolved (Filtered)	µg/L	**300**	**950**	**853.8**	-	**1,038**	**1,130**	**1,688**	**2,298**
	Mercury, Dissolved (Filtered)	µg/L	**0.7**	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	**100**	**110**	**135.9**	-	**158**	**142.7**	**169.5**	**196.3**
	Potassium, Dissolved (Filtered)	µg/L		15,000	10,400	-	10,200	9,080	8,570	8,650
	Selenium, Dissolved (Filtered)	µg/L	**10**	<40U	0.59J	-	<1U	<1.73U	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	**50**	<20U	0.13J	-	<0.1U	<0.16U	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	**20000**	**380,000J**	**175,000**	-	**185,000**	**84,800**	**63,400**	**63,000**
	Thallium, Dissolved (Filtered)	µg/L	**0.5**	<10U	<0.5U	-	<0.1U	<0.14U	<0.5U	<0.14U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	0.54J	-	<0.6U	<1.57U	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	**2000**	<50U	6.31J	-	<2.6U	<3.41U	<10U	<3.41U

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			Sample ID	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
			Well ID	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
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	**5**	<1U	0.75J	1.1J	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	0.22J	0.24J	<0.17U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	**50**	<10U	1.6J	<5U	<1.5U	<1.5U	<5U	2.3J
	Benzene	µg/L	**1**	0.2	**2.3**	**4**	0.66	0.54	0.36J	<0.16U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	**50**	<1UJ	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	**5**	1	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	**5**	1.2	**16**	**6.1**	**17**	**52**	**76**	**42**
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	**5**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	**10**	<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	**24**	3.4
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	**5**	<1U	2.2	0.52	1.8	**11**	**5.2**	0.86
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	0.78J	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	**5**	1.4J	**9.1**	2.2	4.8	**20**	**14**	3.2
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	**2**	**2.7**	**5.5**	**5.6**	**12**	**8**	**5.6**	**3.6**

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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
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	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
	Biological Oxygen Demand, Five day	µg/L		10,300	14,000	3,300	<2,000U	<2,000U	<2,000U	13,000
	Chemical Oxygen Demand	µg/L		199,000	35,000	19,000J	37,000	4,100J	<10,000U	280,000
	Chloride	µg/L	**250,000**	-	250,000	240,000	170,000	91,000	108,000	120,000
	Total Organic Carbon	µg/L		5,200	6,440	3,900	4,000	2,700	3,940	2,770
	Total Organic Halogen	ug/l		-	50.4	27.9	26.3	63.6	74.8	61.9
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.03U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.038U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.014U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.029U
	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

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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
			Date Sampled	Baseline	5/14/2014	6/4/2015	5/26/2016	5/22/2017	5/30/2018	5/30/2019
			Well ID	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	2,310	9.3J	15.1	1,090
	Antimony, Total	µg/L	**3**	<12U	0.5J	0.7J	0.4J	<0.42U	<4U	<0.42U
	Arsenic, Total	µg/L	**25**	<8U	0.39J	0.7	0.8	0.33J	<0.5U	3.26
	Barium, Total	µg/L	**1000**	270	376.1	464.6	707.2	**1,023**	803.5	815.1
	Beryllium, Total	µg/L	**3**	<4U	<0.5U	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	**5**	<4U	0.65	<0.2U	1.1	0.27	0.28	4.72
	Calcium, Total	µg/L		150,000	221,000	280,000	302,000	466,000	445,000	280,000
	Chromium, Total	µg/L	**50**	<50U	1.29	2.4	7	1.26	<1U	5.17
	Cobalt, Total	µg/L		<20U	0.21	0.2J	1.5	0.17J	<0.5U	1.21
	Copper, Total	µg/L	**200**	<50U	1.36J	1.9J	<0.3U	0.5J	<1U	10.64
	Iron, Total	µg/L	**300**	**13,000**	**25,800**	**29,700**	**54,300**	**36,600**	**17,500**	**117,000**
	Lead, Total	µg/L	**25**	7.8	2.72	0.9J	11.7	<1.71U	<1U	15.6
	Magnesium, Total	µg/L	**35000**	7,700	10,000	17,400	17,300	23,300	27,700	19,100
	Manganese, Total	µg/L	**300**	**780**	**1,180**	**1,368**	**1,654**	**1,559**	**901.3**	**577.7**
	Mercury, Total	µg/L	**0.7**	<1U	<0.2U	<0.2U	<0.06U	<0.06U	<0.2U	<0.09U
	Nickel, Total	µg/L	**100**	<50U	0.93	1.9	5.1	1.98J	<2U	3.13
	Potassium, Total	µg/L		18,000	15,900	22,600	26,100	32,700	31,600	24,400
	Selenium, Total	µg/L	**10**	<40U	<5U	<5U	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	**50**	<20U	<0.4U	<0.4U	<0.1U	<0.16U	<0.4U	<0.16U
	Sodium, Total	µg/L	**20000**	**420,000J**	**504,000**	**519,000**	**731,000**	**1,350,000**	**1,020,000**	**568,000**
	Thallium, Total	µg/L	**0.5**	<10U	<0.5U	<0.5U	<0.1U	<0.71U	<0.5U	<0.14U
	Vanadium, Total	µg/L		<50U	2.15J	<5U	8.3	<1.57U	<5U	7.25
	Zinc, Total	µg/L	**2000**	<50U	6.77J	30	8.2J	<3.41U	<10U	60.33
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	3.95J	-	3J	<16.4U	4.28J	<3.27U
	Antimony, Dissolved (Filtered)	µg/L	**3**	<12U	0.19J	-	0.6J	<2.14U	<4U	0.79J
	Arsenic, Dissolved (Filtered)	µg/L	**25**	<8U	0.89	-	<0.1U	<0.82U	<0.5U	<0.16U
	Barium, Dissolved (Filtered)	µg/L	**1000**	200	366.9	-	658.2	910.4	694.3	359
	Beryllium, Dissolved (Filtered)	µg/L	**3**	<4U	<0.5U	-	<0.2U	<0.53U	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	**5**	<4U	<0.2U	-	<0.1U	<0.29U	0.09J	0.97
	Calcium, Dissolved (Filtered)	µg/L		160,000	217,000	-	358,000	455,000	419,000	243,000
	Chromium, Dissolved (Filtered)	µg/L	**50**	<50U	1.56	-	1.6J	<0.89U	<1U	<0.17U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	0.33J	-	<0.1U	<0.81U	<0.5U	0.29J
	Copper, Dissolved (Filtered)	µg/L	**200**	<50U	0.68J	-	<0.3U	<1.92U	1.1	0.4J
	Iron, Dissolved (Filtered)	µg/L	**300**	**1,200**	**19,400**	-	**26,500**	**19,200**	43J	101
	Lead, Dissolved (Filtered)	µg/L	**25**	<4U	<1U	-	<0.1U	<1.71U	<1U	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	**35000**	8,200	11,600	-	17,900	24,300	24,900	18,000
	Manganese, Dissolved (Filtered)	µg/L	**300**	**810**	**971.8**	-	**1,939**	**1,551**	**744.6**	**361.7**
	Mercury, Dissolved (Filtered)	µg/L	**0.7**	<1U	<0.2U	-	<0.06U	<0.06U	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	**100**	<50U	3.29	-	5	<2.78U	1.44J	1J
	Potassium, Dissolved (Filtered)	µg/L		19,000	17,800	-	25,500	33,600	29,500	21,200
	Selenium, Dissolved (Filtered)	µg/L	**10**	<40U	1.08J	-	<1U	<8.65U	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	**50**	<20U	<0.4U	-	<0.1U	<0.81U	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	**20000**	**450,000J**	**500,000**	-	**866,000**	**1,320,000**	**1,060,000**	**558,000**
	Thallium, Dissolved (Filtered)	µg/L	**0.5**	<10U	<0.5U	-	<0.1U	<0.71U	<0.5U	<0.14U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	0.48J	-	<0.6U	<7.85U	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	**2000**	<50U	3.82J	-	<2.6U	<17.05U	3.79J	15.21

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Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	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
			Well ID	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
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	**50**	<10U	1.4J	<5U	<1.5U	<1.5U	<5U	<1.5U
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	**50**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	**5**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	**10**	<0.5U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	**5**	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	**2**	<1U	<1U	<1U	<0.07U	<0.07U	<1U	<0.07U

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Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	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
			Well ID	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
	Biological Oxygen Demand, Five day	µg/L		<6,000U	3,400	<2,000U	<2,000U	2,800	<2,000U	<2,000U
	Chemical Oxygen Demand	µg/L		359,000	49,000	42,000	56,000	55,000	29,000	35,000
	Chloride	µg/L	**250,000**	-	**740,000**	**940,000**	**1,400,000**	**2,300,000**	**2,240,000**	**1,040,000**
	Total Organic Carbon	µg/L		5,500	7,620	2,200	1,600	1,000	3,690J	1,550
	Total Organic Halogen	ug/l		-	40.5	62.1	11.9J	40.8	46.2	111
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.02U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.028U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.058U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.045U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	<0.014U	<0.0833U	<0.057U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	<0.022U	<0.022U	<0.0833U	<0.021U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	<0.0833U	<0.043U
	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

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

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Table 3
Summary of Groundwater Sample Laboratory Analytical Results

			Sample ID	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
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-2R
Method_Name	**Analyte**	**Units**	**TOGS 1.1.1**							
Total Metals	Aluminum, Total	µg/L		1,700J	4,070	1,660	1,110	16.9	272	358
	Antimony, Total	µg/L	**3**	<12U	**4.21**	2.4	0.8J	<0.42U	<4U	0.47J
	Arsenic, Total	µg/L	**25**	<8U	19.91	8.5	2.7	1.4	1.77	4.43
	Barium, Total	µg/L	**1000**	160	167.5	224.5	225.3	277.4	192.2	366.9
	Beryllium, Total	µg/L	**3**	<4U	0.21J	<0.5U	<0.2U	<0.1U	<0.5U	<0.1U
	Cadmium, Total	µg/L	**5**	<4U	2.45	0.1J	0.4	0.08J	0.22	<0.05U
	Calcium, Total	µg/L		280,000	240,000	84,900	181,000	256,000	160,000	95,400
	Chromium, Total	µg/L	**50**	<50U	14.57	10.1	18.8	2.73	5.81	1.94
	Cobalt, Total	µg/L		<20U	6.66	2.3	2	1.36	1.51	0.38J
	Copper, Total	µg/L	**200**	<50U	88.29	26.2	18.3	<0.38U	7.73	4.86
	Iron, Total	µg/L	**300**	**9,000J**	**30,600**	**24,000**	**7,430**	**3,690**	**4,730**	**18,900**
	Lead, Total	µg/L	**25**	**49J**	**375.6**	**165.3**	**76.1**	0.83J	17.16	22.73
	Magnesium, Total	µg/L	**35000**	**120,000**	**137,000**	33,800	31,500	**39,900**	28,500	**44,300**
	Manganese, Total	µg/L	**300**	**790**	**1,016**	**624.2**	**2,788**	**2,707**	**1,841**	**984.3**
	Mercury, Total	µg/L	**0.7**	<1U	**12.5**	0.36	0.1J	<0.06U	<0.2U	<0.09U
	Nickel, Total	µg/L	**100**	<50U	45.52	6.1	20.4	7.27	9.07	0.65J
	Potassium, Total	µg/L		48,000	70,000	15,300	16,500	19,200	14,200	19,300
	Selenium, Total	µg/L	**10**	<40U	1.18J	<5U	<1U	<1.73U	<5U	<1.73U
	Silver, Total	µg/L	**50**	<20U	0.33J	<0.4U	0.1J	<0.16U	<0.4U	<0.16U
	Sodium, Total	µg/L	**20000**	**660,000J**	**1,130,000**	**215,000**	**333,000**	**478,000**	**325,000**	**250,000**
	Thallium, Total	µg/L	**0.5**	<10U	0.11J	<0.5U	<0.1U	<0.14U	<0.5U	<0.14U
	Vanadium, Total	µg/L		<50U	22.13	7.6	4.1J	<1.57U	1.61J	1.68J
	Zinc, Total	µg/L	**2000**	76	1,320	69.9	114.1	3.89J	31.44	6.78J
Dissolved Metals	Aluminum, Dissolved (Filtered)	µg/L		<180U	-	-	4J	-	6.66J	<3.27U
	Antimony, Dissolved (Filtered)	µg/L	**3**	<12U	-	-	0.7J	-	0.55J	0.93J
	Arsenic, Dissolved (Filtered)	µg/L	**25**	<8U	-	-	1	-	1.01	0.61
	Barium, Dissolved (Filtered)	µg/L	**1000**	160	-	-	213.5	-	180.8	272.9
	Beryllium, Dissolved (Filtered)	µg/L	**3**	<4U	-	-	<0.2U	-	<0.5U	<0.1U
	Cadmium, Dissolved (Filtered)	µg/L	**5**	<4U	-	-	<0.1U	-	<0.2U	<0.05U
	Calcium, Dissolved (Filtered)	µg/L		310,000	-	-	247,000	-	183,000	89,800
	Chromium, Dissolved (Filtered)	µg/L	**50**	<50U	-	-	3.3	-	0.97J	<0.17U
	Cobalt, Dissolved (Filtered)	µg/L		<20U	-	-	1.7	-	1.59	<0.16U
	Copper, Dissolved (Filtered)	µg/L	**200**	<50U	-	-	<0.3U	-	0.4J	<0.38U
	Iron, Dissolved (Filtered)	µg/L	**300**	**750**	-	-	**2,090**	-	24.4J	**1,010**
	Lead, Dissolved (Filtered)	µg/L	**25**	<4U	-	-	0.1J	-	<1U	<0.34U
	Magnesium, Dissolved (Filtered)	µg/L	**35000**	**140,000**	-	-	32,800	-	26,600	**45,500**
	Manganese, Dissolved (Filtered)	µg/L	**300**	**860**	-	-	**3,892**	-	**1,726**	**930.6**
	Mercury, Dissolved (Filtered)	µg/L	**0.7**	<1U	-	-	<0.06U	-	<0.2U	<0.09U
	Nickel, Dissolved (Filtered)	µg/L	**100**	<50U	-	-	14.6	-	8.42	0.73J
	Potassium, Dissolved (Filtered)	µg/L		54,000	-	-	16,800	-	15,800	18,200
	Selenium, Dissolved (Filtered)	µg/L	**10**	<40U	-	-	<1U	-	<5U	<1.73U
	Silver, Dissolved (Filtered)	µg/L	**50**	<20U	-	-	<0.1U	-	<0.4U	<0.16U
	Sodium, Dissolved (Filtered)	µg/L	**20000**	**750,000J**	-	-	**470,000**	-	**425,000**	**230,000**
	Thallium, Dissolved (Filtered)	µg/L	**0.5**	<10U	-	-	<0.1U	-	<0.5U	<0.14U
	Vanadium, Dissolved (Filtered)	µg/L		<50U	-	-	<0.6U	-	<5U	<1.57U
	Zinc, Dissolved (Filtered)	µg/L	**2000**	<50U	-	-	<2.6U	-	4.89J	<3.41U

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			Sample ID	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
			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	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
	1,1,2,2-tetrachloroethane	µg/L	**5**	<1UJ	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,1,2-trichloro-1,2,2-trifluoroethane	µg/L		-	<2.5U	-	<0.7U	<0.7U	<2.5U	<0.7U
	1,1,2-trichloroethane	µg/L	**1**	<1U	<1.5U	<1.5U	<0.5U	<0.5U	<1.5U	<0.5U
	1,1-dichloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	0.7J	<2.5U	<0.7U
	1,1-dichloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.14U	<0.17U	<0.5U	<0.17U
	1,2,3-trichlorobenzene	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2,4-trichlorobenzene	µg/L	**5**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromo-3-chloropropane	µg/L	**0.04**	<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dibromoethane	µg/L	**5**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	1,2-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,2-dichloroethane	µg/L	**0.6**	<0.5U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	1,2-dichloropropane	µg/L	**1**	<1U	<1U	<1U	<0.13U	<0.14U	<1U	<0.14U
	1,3-dichlorobenzene	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dichlorobenzene	µg/L		<1UJ	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	1,4-dioxane	µg/L		-	<250U	<250U	<41U	<61U	<250U	<61U
	2-butanone	µg/L	**50**	<1U	<5U	<5U	<1.9U	<1.9U	<5U	<1.9U
	2-hexanone	µg/L	**50**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	4-methyl-2-pentanone	µg/L		<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Acetone	µg/L	**50**	<10U	2.7J	<5U	<1.5U	<1.5U	<5U	<1.5U
	Benzene	µg/L	**1**	<0.5U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Bromochloromethane	µg/L		-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Bromodichloromethane	µg/L	**5**	<1U	<0.5U	<0.5U	<0.19U	<0.19U	<0.5U	<0.19U
	Bromoform	µg/L	**50**	<1U	<2U	<2U	<0.65U	<0.65U	<2U	<0.65U
	Bromomethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Carbon disulfide	µg/L	**60**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Carbon tetrachloride	µg/L	**5**	<1U	<0.5U	<0.5U	<0.13U	<0.13U	<0.5U	<0.13U
	Chlorobenzene	µg/L	**5**	<1U	<2.5U	<2.5U	0.86J	<0.7U	<2.5U	<0.7U
	Chloroethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloroform	µg/L	**7**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Chloromethane	µg/L		<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.27U
	cis-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	1.7J	**66**	**23**	<0.7U
	cis-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.14U	<0.14U	<0.5U	<0.14U
	Cyclohexane	µg/L		<1U	<10U	-	<0.27U	<0.27U	<10U	<0.27U
	Dibromochloromethane	µg/L	**50**	<1U	<0.5U	<0.5U	<0.15U	<0.15U	<0.5U	<0.15U
	Dichlorodifluoromethane	µg/L	**5**	<1U	<5U	<5U	<1U	<1U	<5U	<1U
	Ethylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Isopropylbenzene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Methyl acetate	µg/L		-	<2U	-	<0.23U	<0.23U	<2U	<0.23U
	Methyl cyclohexane	µg/L		<1U	<10U	-	<0.4U	<0.4U	<10U	<0.4U
	Methyl tert butyl ether	µg/L	**10**	<0.5U	10	0.99J	5.5	4.8	**83**	<0.7U
	Methylene chloride	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	o-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	p/m-xylene	µg/L	**5**	-	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Styrene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Tetrachloroethene	µg/L	**5**	<1U	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Toluene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,2-dichloroethene	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	trans-1,3-dichloropropene	µg/L	**0.4**	<1U	<0.5U	<0.5U	<0.16U	<0.16U	<0.5U	<0.16U
	Trichloroethene	µg/L	**5**	<1UJ	<0.5U	<0.5U	<0.18U	<0.18U	<0.5U	<0.18U
	Trichlorofluoromethane	µg/L	**5**	<1U	<2.5U	<2.5U	<0.7U	<0.7U	<2.5U	<0.7U
	Vinyl chloride	µg/L	**2**	**6.2**	<1U	**3.5**	**6.8**	**100**	**37**	0.55J

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			Well ID	MW-2R	MW-5	MW-2R	MW-1	MW-1	MW-1	MW-1	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
	Biological Oxygen Demand, Five day	µg/L		-	23,000	<5,000U	<10,000U	<2,000U	3,300	-	3,100
	Chemical Oxygen Demand	µg/L		-	230,000	80,000	44,000	27,000	24,000	-	44,000
	Chloride	µg/L	**250,000**	-	**1,300,000**	**350,000**	**560,000**	**840,000**	**737,000**	-	**472,000**
	Total Organic Carbon	µg/L		-	22,700	3,400	3,400	1,800	4,250	-	1,790
	Total Organic Halogen	ug/l		-	46.1	22	24.7	61.1	56.7	-	29.1
PCBs	Aroclor 1016	µg/L		<0.05U	<0.083U	<0.083U	<0.021U	<0.021U	<0.0833U	<0.013U	<0.013U
	Aroclor 1221	µg/L		<0.05U	<0.083U	<0.083U	<0.028U	<0.028U	<0.0833U	<0.018U	<0.018U
	Aroclor 1232	µg/L		<0.05U	<0.083U	<0.083U	<0.012U	<0.012U	<0.0833U	<0.038U	<0.038U
	Aroclor 1242	µg/L		<0.05U	<0.083U	<0.083U	<0.014U	0.061	<0.0833U	<0.03U	<0.03U
	Aroclor 1248	µg/L		<0.05U	<0.083U	<0.083U	0.41	<0.014U	0.218	<0.038U	<0.038U
	Aroclor 1254	µg/L		<0.05U	<0.083U	<0.083U	0.238	<0.022U	0.124	<0.014U	<0.014U
	Aroclor 1260	µg/L		<0.05U	<0.083U	<0.083U	<0.023U	<0.023U	0.031J	<0.029U	<0.029U
	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

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Attachments

Attachment A
Laboratory Analytical Report

ANALYTICAL REPORT

Lab Number:	L1922928
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:	06/17/19

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: L1922928
Report Date: 06/17/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1922928-01	WG-8616480-053019-BP-001	WATER	Not Specified	05/30/19 06:30	05/30/19
L1922928-02	WG-8616480-053019-BP-002	WATER	Not Specified	05/30/19 07:20	05/30/19
L1922928-03	WG-8616480-053019-BP-003	WATER	Not Specified	05/30/19 08:30	05/30/19
L1922928-04	WG-8616480-053019-BP-004	WATER	Not Specified	05/30/19 09:00	05/30/19
L1922928-05	WG-8616480-053019-BP-005	WATER	Not Specified	05/30/19 12:30	05/30/19
L1922928-06	WG-8616480-053019-BP-006	WATER	Not Specified	05/30/19 11:00	05/30/19
L1922928-07	WG-8616480-053019-BP-007	WATER	Not Specified	05/30/19 13:15	05/30/19
L1922928-08	WG-8616480-053019-BP-008	WATER	Not Specified	05/30/19 14:40	05/30/19
L1922928-09	TRIP BLANK	WATER	Not Specified	05/30/19 00:00	05/30/19

Project Name:	FRITO-LAY BROOKLYN	**Lab Number:**	L1922928
Project Number:	8616480	**Report Date:**	06/17/19

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:**	L1922928
Project Number:	8616480	**Report Date:**	06/17/19

Case Narrative (continued)

Report Submission

The analysis of Toxcicity 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.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analyses performed were specified by the client.

L1922928-05 and -06: The container for the Total Organic Carbon analysis was received broken; however, there was adequate sample remaining to perform the requested analysis.

PCBs

L1922928-07: The surrogate recoveries were outside the acceptance criteria for decachlorobiphenyl (23%27%); however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported.

L1922928-07: The sample has elevated detection limits due to limited sample volume available for analysis.

Total Metals

The WG1246799-3/-4 MS/MSD recoveries, performed on L1922928-06, is outside the acceptance criteria for antimony (129%/137%), iron (178%/176%), magnesium (MSD at 147%) and manganese (MSD at 150%). A post digestion spike was performed and was within acceptance criteria.

The WG1246799-3/-4 MS/MSD recoveries for calcium (70%/220%) and sodium (0%/160%), performed on L1922928-06, do not apply because the sample concentrations are greater than four times the spike amount added.

Dissolved Metals

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928
Project Number: 8616480 **Report Date:** 06/17/19

Case Narrative (continued)

The WG1247015-2 LCS recovery, associated with L1922928-01 through -08, is above the acceptance criteria for mercury (125%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.
The WG1247399-3/-4 MS/MSD recoveries for calcium (MSD at 160%) and sodium (0%/30%), performed on L1922928-06, does not apply because the sample concentration is greater than four times the spike amount added.
The WG1247399-3/-4 MS/MSD recoveries, performed on L1922928-06, is outside the acceptance criteria for antimony (136%132%) and potassium (MSD at 129%) A post digestion spike was performed and was within acceptance criteria.

Alkalinity, Total
The WG1243501-4 MS recovery (58%), performed on L1922928-06, is outside the acceptance criteria; however, the associated LCS recovery is within criteria. No further action was taken.

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: 06/17/19

ORGANICS

VOLATILES

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-01
Client ID: WG-8616480-053019-BP-001
Sample Location: Not Specified

Date Collected: 05/30/19 06:30
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/09/19 14:35
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.63	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-01 Date Collected: 05/30/19 06:30

Client ID: WG-8616480-053019-BP-001 Date Received: 05/30/19

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	101		70-130

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-02
Client ID: WG-8616480-053019-BP-002
Sample Location: Not Specified

Date Collected: 05/30/19 07:20
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/09/19 14:57
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-02 Date Collected: 05/30/19 07:20

Client ID: WG-8616480-053019-BP-002 Date Received: 05/30/19

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	17		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.5	J	ug/l	5.0	1.5	1
Carbon disulfide	6.7		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-03
Client ID: WG-8616480-053019-BP-003
Sample Location: Not Specified

Date Collected: 05/30/19 08:30
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/09/19 15:18
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-03 Date Collected: 05/30/19 08:30

Client ID: WG-8616480-053019-BP-003 Date Received: 05/30/19

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	7.0		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.4	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-04
Client ID: WG-8616480-053019-BP-004
Sample Location: Not Specified

Date Collected: 05/30/19 09:00
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/09/19 15:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.55	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-04 Date Collected: 05/30/19 09:00

Client ID: WG-8616480-053019-BP-004 Date Received: 05/30/19

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	99		70-130

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-05
Client ID: WG-8616480-053019-BP-005
Sample Location: Not Specified

Date Collected: 05/30/19 12:30
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/09/19 16:02
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-05 Date Collected: 05/30/19 12:30

Client ID: WG-8616480-053019-BP-005 Date Received: 05/30/19

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	30		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	4.0	J	ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	108		70-130

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-06
Client ID: WG-8616480-053019-BP-006
Sample Location: Not Specified

Date Collected: 05/30/19 11:00
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/09/19 16:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	0.14	J	ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	61		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-06 Date Collected: 05/30/19 11:00

Client ID: WG-8616480-053019-BP-006 Date Received: 05/30/19

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	22		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	5.0		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	105		70-130

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-07
Client ID: WG-8616480-053019-BP-007
Sample Location: Not Specified

Date Collected: 05/30/19 13:15
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/09/19 16:46
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-07 Date Collected: 05/30/19 13:15

Client ID: WG-8616480-053019-BP-007 Date Received: 05/30/19

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	101		70-130

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-08
Client ID: WG-8616480-053019-BP-008
Sample Location: Not Specified

Date Collected: 05/30/19 14:40
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/09/19 17:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.86		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	3.6		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	3.2		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-08 Date Collected: 05/30/19 14:40

Client ID: WG-8616480-053019-BP-008 Date Received: 05/30/19

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	3.4		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	42		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.3	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	100		70-130

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-09 Date Collected: 05/30/19 00:00
Client ID: TRIP BLANK Date Received: 05/30/19
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/06/19 16:46
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-09 Date Collected: 05/30/19 00:00

Client ID: TRIP BLANK Date Received: 05/30/19

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	111		70-130

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/06/19 08:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1245388-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/06/19 08:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1245388-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/06/19 08:26
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1245388-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	108		70-130

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/19 11:17
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1246538-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/19 11:17
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1246538-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/09/19 11:17
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1246538-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1245388-3 WG1245388-4								
Methylene chloride	87		86		70-130	1		20
1,1-Dichloroethane	93		97		70-130	4		20
Chloroform	97		98		70-130	1		20
Carbon tetrachloride	99		100		63-132	1		20
1,2-Dichloropropane	89		90		70-130	1		20
Dibromochloromethane	88		93		63-130	6		20
1,1,2-Trichloroethane	84		85		70-130	1		20
Tetrachloroethene	92		98		70-130	6		20
Chlorobenzene	88		91		75-130	3		20
Trichlorofluoromethane	100		97		62-150	3		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	92		94		67-130	2		20
trans-1,3-Dichloropropene	93		95		70-130	2		20
cis-1,3-Dichloropropene	79		85		70-130	7		20
Bromoform	93		94		54-136	1		20
1,1,2,2-Tetrachloroethane	82		81		67-130	1		20
Benzene	90		91		70-130	1		20
Toluene	89		90		70-130	1		20
Ethylbenzene	93		96		70-130	3		20
Chloromethane	83		82		64-130	1		20
Bromomethane	60		61		39-139	2		20
Vinyl chloride	110		110		55-140	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1245388-3 WG1245388-4								
Chloroethane	62		67		55-138	8		20
1,1-Dichloroethene	88		89		61-145	1		20
trans-1,2-Dichloroethene	89		91		70-130	2		20
Trichloroethene	94		95		70-130	1		20
1,2-Dichlorobenzene	87		89		70-130	2		20
1,3-Dichlorobenzene	90		94		70-130	4		20
1,4-Dichlorobenzene	87		90		70-130	3		20
Methyl tert butyl ether	92		93		63-130	1		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	92		90		70-130	2		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	76		77		36-147	1		20
Acetone	89		85		58-148	5		20
Carbon disulfide	88		87		51-130	1		20
2-Butanone	86		81		63-138	6		20
4-Methyl-2-pentanone	82		80		59-130	2		20
2-Hexanone	74		73		57-130	1		20
Bromochloromethane	92		92		70-130	0		20
1,2-Dibromoethane	86		88		70-130	2		20
1,2-Dibromo-3-chloropropane	82		84		41-144	2		20
Isopropylbenzene	87		90		70-130	3		20
1,2,3-Trichlorobenzene	84		88		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1245388-3 WG1245388-4								
1,2,4-Trichlorobenzene	84		90		70-130	7		20
Methyl Acetate	85		84		70-130	1		20
Cyclohexane	93		93		70-130	0		20
1,4-Dioxane	66		64		56-162	3		20
Freon-113	88		91		70-130	3		20
Methyl cyclohexane	86		88		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	119		118		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	101		99		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1246538-3 WG1246538-4								
Methylene chloride	96		100		70-130	4		20
1,1-Dichloroethane	94		100		70-130	6		20
Chloroform	96		99		70-130	3		20
Carbon tetrachloride	97		100		63-132	3		20
1,2-Dichloropropane	93		96		70-130	3		20
Dibromochloromethane	97		100		63-130	3		20
1,1,2-Trichloroethane	94		100		70-130	6		20
Tetrachloroethene	90		94		70-130	4		20
Chlorobenzene	95		99		75-130	4		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	89		94		70-130	5		20
1,1,1-Trichloroethane	94		100		67-130	6		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	83		86		70-130	4		20
cis-1,3-Dichloropropene	90		90		70-130	0		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	94		94		67-130	0		20
Benzene	95		100		70-130	5		20
Toluene	91		96		70-130	5		20
Ethylbenzene	92		95		70-130	3		20
Chloromethane	82		84		64-130	2		20
Bromomethane	120		120		39-139	0		20
Vinyl chloride	96		100		55-140	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1246538-3 WG1246538-4								
Chloroethane	120		130		55-138	8		20
1,1-Dichloroethene	93		95		61-145	2		20
trans-1,2-Dichloroethene	88		100		70-130	13		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	96		100		70-130	4		20
1,3-Dichlorobenzene	99		100		70-130	1		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	86		94		63-130	9		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	84		86		36-147	2		20
Acetone	98		110		58-148	12		20
Carbon disulfide	94		100		51-130	6		20
2-Butanone	78		83		63-138	6		20
4-Methyl-2-pentanone	84		87		59-130	4		20
2-Hexanone	74		77		57-130	4		20
Bromochloromethane	100		110		70-130	10		20
1,2-Dibromoethane	94		98		70-130	4		20
1,2-Dibromo-3-chloropropane	99		100		41-144	1		20
Isopropylbenzene	94		97		70-130	3		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1246538-3 WG1246538-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	82		90		70-130	9		20
Cyclohexane	89		93		70-130	4		20
1,4-Dioxane	140		148		56-162	6		20
Freon-113	100		110		70-130	10		20
Methyl cyclohexane	97		99		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		96		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	93		92		70-130
Dibromofluoromethane	98		101		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1246538-6 WG1246538-7 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006												
Methylene chloride	ND	10	9.5	95		10	100		70-130	5		20
1,1-Dichloroethane	ND	10	9.9	99		9.9	99		70-130	0		20
Chloroform	ND	10	9.5	95		9.6	96		70-130	1		20
Carbon tetrachloride	ND	10	7.8	78		9.5	95		63-132	20		20
1,2-Dichloropropane	ND	10	9.0	90		9.9	99		70-130	10		20
Dibromochloromethane	ND	10	9.4	94		10	100		63-130	6		20
1,1,2-Trichloroethane	ND	10	9.4	94		10	100		70-130	6		20
Tetrachloroethene	ND	10	6.5	**65**	Q	8.8	88		70-130	**30**	Q	20
Chlorobenzene	ND	10	8.6	86		10	100		75-130	15		20
Trichlorofluoromethane	ND	10	8.8	88		11	110		62-150	**22**	Q	20
1,2-Dichloroethane	0.14J	10	9.5	95		9.6	96		70-130	1		20
1,1,1-Trichloroethane	ND	10	8.7	87		9.5	95		67-130	9		20
Bromodichloromethane	ND	10	9.2	92		9.6	96		67-130	4		20
trans-1,3-Dichloropropene	ND	10	7.5	75		8.3	83		70-130	10		20
cis-1,3-Dichloropropene	ND	10	7.8	78		8.4	84		70-130	7		20
Bromoform	ND	10	9.2	92		10	100		54-136	8		20
1,1,2,2-Tetrachloroethane	ND	10	9.0	90		10	100		67-130	11		20
Benzene	ND	10	9.1	91		10	100		70-130	9		20
Toluene	ND	10	8.0	80		9.7	97		70-130	19		20
Ethylbenzene	ND	10	7.3	73		9.2	92		70-130	**23**	Q	20
Chloromethane	ND	10	7.2	72		7.8	78		64-130	8		20
Bromomethane	ND	10	6.1	61		5.9	59		39-139	3		20
Vinyl chloride	61	10	68	70		62	**10**	Q	55-140	9		20

Matrix Spike Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1246538-6 WG1246538-7 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006												
Chloroethane	ND	10	25	**250**	Q	29	**290**	Q	55-138	15		20
1,1-Dichloroethene	ND	10	8.8	88		9.6	96		61-145	9		20
trans-1,2-Dichloroethene	ND	10	8.0	80		9.3	93		70-130	15		20
Trichloroethene	ND	10	8.3	83		10	100		70-130	19		20
1,2-Dichlorobenzene	ND	10	7.8	78		9.7	97		70-130	**22**	Q	20
1,3-Dichlorobenzene	ND	10	7.5	75		9.6	96		70-130	**25**	Q	20
1,4-Dichlorobenzene	ND	10	7.3	73		9.5	95		70-130	**26**	Q	20
Methyl tert butyl ether	22	10	30	80		30	80		63-130	0		20
p/m-Xylene	ND	20	14	70		19	95		70-130	**30**	Q	20
o-Xylene	ND	20	15	75		19	95		70-130	**24**	Q	20
cis-1,2-Dichloroethene	5.0	10	13	80		14	90		70-130	7		20
Styrene	ND	20	16	80		19	95		70-130	17		20
Dichlorodifluoromethane	ND	10	6.6	66		8.0	80		36-147	19		20
Acetone	2.1J	10	10	100		10	100		58-148	0		20
Carbon disulfide	ND	10	8.3	83		10	100		51-130	19		20
2-Butanone	ND	10	8.1	81		8.3	83		63-138	2		20
4-Methyl-2-pentanone	ND	10	8.1	81		8.6	86		59-130	6		20
2-Hexanone	ND	10	7.5	75		8.0	80		57-130	6		20
Bromochloromethane	ND	10	10	100		9.8	98		70-130	2		20
1,2-Dibromoethane	ND	10	9.0	90		9.9	99		70-130	10		20
1,2-Dibromo-3-chloropropane	ND	10	8.8	88		10	100		41-144	13		20
Isopropylbenzene	ND	10	6.4	**64**	Q	8.7	87		70-130	**30**	Q	20
1,2,3-Trichlorobenzene	ND	10	7.5	75		9.7	97		70-130	**26**	Q	20

Matrix Spike Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1246538-6 WG1246538-7 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006												
1,2,4-Trichlorobenzene	ND	10	7.1	71		9.0	90		70-130	**24**	Q	20
Methyl Acetate	ND	10	7.6	76		8.0	80		70-130	5		20
Cyclohexane	ND	10	5.0J	**50**	Q	6.8J	**68**	Q	70-130	**31**	Q	20
1,4-Dioxane	ND	500	740	148		740	148		56-162	0		20
Freon-113	ND	10	5.6	**56**	Q	8.1	81		70-130	**36**	Q	20
Methyl cyclohexane	ND	10	4.7J	**47**	Q	6.7J	**67**	Q	70-130	**35**	Q	20

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1,2-Dichloroethane-d4	98		97		70-130
4-Bromofluorobenzene	89		92		70-130
Dibromofluoromethane	105		106		70-130
Toluene-d8	97		98		70-130

PCBS

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-01
Client ID: WG-8616480-053019-BP-001
Sample Location: Not Specified

Date Collected: 05/30/19 06:30
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 06/06/19 03:59
Analyst: HT

Extraction Method: EPA 608.3
Extraction Date: 06/04/19 16:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/05/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/05/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.013	1	A
Aroclor 1221	ND		ug/l	0.083	0.018	1	A
Aroclor 1232	ND		ug/l	0.083	0.038	1	A
Aroclor 1242	0.120		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.038	1	A
Aroclor 1254	0.091		ug/l	0.083	0.014	1	B
Aroclor 1260	0.096		ug/l	0.083	0.029	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		37-123	A
Decachlorobiphenyl	40		38-114	A
2,4,5,6-Tetrachloro-m-xylene	57		37-123	B
Decachlorobiphenyl	43		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-02
Client ID: WG-8616480-053019-BP-002
Sample Location: Not Specified

Date Collected: 05/30/19 07:20
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 06/06/19 04:14
Analyst: HT

Extraction Method: EPA 608.3
Extraction Date: 06/04/19 16:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/05/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/05/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.013	1	A
Aroclor 1221	ND		ug/l	0.083	0.018	1	A
Aroclor 1232	ND		ug/l	0.083	0.038	1	A
Aroclor 1242	0.103		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.038	1	A
Aroclor 1254	0.044	J	ug/l	0.083	0.014	1	B
Aroclor 1260	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		37-123	A
Decachlorobiphenyl	50		38-114	A
2,4,5,6-Tetrachloro-m-xylene	70		37-123	B
Decachlorobiphenyl	57		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-03
Client ID: WG-8616480-053019-BP-003
Sample Location: Not Specified

Date Collected: 05/30/19 08:30
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 06/06/19 04:28
Analyst: JM

Extraction Method: EPA 608.3
Extraction Date: 06/04/19 16:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/05/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/05/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.013	1	A
Aroclor 1221	ND		ug/l	0.083	0.018	1	A
Aroclor 1232	ND		ug/l	0.083	0.038	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.038	1	A
Aroclor 1254	ND		ug/l	0.083	0.014	1	A
Aroclor 1260	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		37-123	A
Decachlorobiphenyl	44		38-114	A
2,4,5,6-Tetrachloro-m-xylene	67		37-123	B
Decachlorobiphenyl	49		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-04
Client ID: WG-8616480-053019-BP-004
Sample Location: Not Specified

Date Collected: 05/30/19 09:00
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 06/06/19 04:43
Analyst: JM

Extraction Method: EPA 608.3
Extraction Date: 06/04/19 16:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/05/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/05/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.013	1	A
Aroclor 1221	ND		ug/l	0.083	0.018	1	A
Aroclor 1232	ND		ug/l	0.083	0.038	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.038	1	A
Aroclor 1254	ND		ug/l	0.083	0.014	1	A
Aroclor 1260	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		37-123	A
Decachlorobiphenyl	58		38-114	A
2,4,5,6-Tetrachloro-m-xylene	64		37-123	B
Decachlorobiphenyl	63		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-05
Client ID: WG-8616480-053019-BP-005
Sample Location: Not Specified

Date Collected: 05/30/19 12:30
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 06/06/19 04:58
Analyst: JM

Extraction Method: EPA 608.3
Extraction Date: 06/04/19 16:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/05/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/05/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.013	1	A
Aroclor 1221	ND		ug/l	0.083	0.018	1	A
Aroclor 1232	ND		ug/l	0.083	0.038	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.038	1	A
Aroclor 1254	ND		ug/l	0.083	0.014	1	A
Aroclor 1260	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		37-123	A
Decachlorobiphenyl	63		38-114	A
2,4,5,6-Tetrachloro-m-xylene	65		37-123	B
Decachlorobiphenyl	67		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-06
Client ID: WG-8616480-053019-BP-006
Sample Location: Not Specified

Date Collected: 05/30/19 11:00
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 06/06/19 05:42
Analyst: JM

Extraction Method: EPA 608.3
Extraction Date: 06/04/19 16:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/05/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/05/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.013	1	A
Aroclor 1221	ND		ug/l	0.083	0.018	1	A
Aroclor 1232	ND		ug/l	0.083	0.038	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	0.085		ug/l	0.083	0.038	1	A
Aroclor 1254	0.038	J	ug/l	0.083	0.014	1	B
Aroclor 1260	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		37-123	A
Decachlorobiphenyl	52		38-114	A
2,4,5,6-Tetrachloro-m-xylene	66		37-123	B
Decachlorobiphenyl	57		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-07
Client ID: WG-8616480-053019-BP-007
Sample Location: Not Specified

Date Collected: 05/30/19 13:15
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 06/11/19 21:14
Analyst: AD

Extraction Method: EPA 608.3
Extraction Date: 06/04/19 16:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/05/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/05/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.013	1	A
Aroclor 1221	ND		ug/l	0.083	0.018	1	A
Aroclor 1232	ND		ug/l	0.083	0.038	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.038	1	A
Aroclor 1254	ND		ug/l	0.083	0.014	1	A
Aroclor 1260	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		37-123	A
Decachlorobiphenyl	**23**	Q	38-114	A
2,4,5,6-Tetrachloro-m-xylene	47		37-123	B
Decachlorobiphenyl	**27**	Q	38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-07 RE
Client ID: WG-8616480-053019-BP-007
Sample Location: Not Specified

Date Collected: 05/30/19 13:15
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 06/12/19 14:02
Analyst: KB

Extraction Method: EPA 608.3
Extraction Date: 06/12/19 07:25
Cleanup Method: EPA 3665A
Cleanup Date: 06/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.125	0.020	1	A
Aroclor 1221	ND		ug/l	0.125	0.028	1	A
Aroclor 1232	ND		ug/l	0.125	0.058	1	A
Aroclor 1242	ND		ug/l	0.125	0.045	1	A
Aroclor 1248	ND		ug/l	0.125	0.057	1	A
Aroclor 1254	ND		ug/l	0.125	0.021	1	A
Aroclor 1260	ND		ug/l	0.125	0.043	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		37-123	A
Decachlorobiphenyl	61		38-114	A
2,4,5,6-Tetrachloro-m-xylene	69		37-123	B
Decachlorobiphenyl	66		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-08
Client ID: WG-8616480-053019-BP-008
Sample Location: Not Specified

Date Collected: 05/30/19 14:40
Date Received: 05/30/19
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 127,608.3
Analytical Date: 06/06/19 05:27
Analyst: JM

Extraction Method: EPA 608.3
Extraction Date: 06/04/19 16:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/05/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/05/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.013	1	A
Aroclor 1221	ND		ug/l	0.083	0.018	1	A
Aroclor 1232	ND		ug/l	0.083	0.038	1	A
Aroclor 1242	ND		ug/l	0.083	0.030	1	A
Aroclor 1248	ND		ug/l	0.083	0.038	1	A
Aroclor 1254	ND		ug/l	0.083	0.014	1	A
Aroclor 1260	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		37-123	A
Decachlorobiphenyl	**37**	Q	38-114	A
2,4,5,6-Tetrachloro-m-xylene	59		37-123	B
Decachlorobiphenyl	40		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 127,608.3
Analytical Date: 06/06/19 06:26
Analyst: JM

Extraction Method: EPA 608.3
Extraction Date: 06/04/19 16:37
Cleanup Method: EPA 3665A
Cleanup Date: 06/05/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/05/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1244479-1						
Aroclor 1016	ND		ug/l	0.083	0.013	A
Aroclor 1221	ND		ug/l	0.083	0.018	A
Aroclor 1232	ND		ug/l	0.083	0.038	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.038	A
Aroclor 1254	ND		ug/l	0.083	0.014	A
Aroclor 1260	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		37-123	A
Decachlorobiphenyl	50		38-114	A
2,4,5,6-Tetrachloro-m-xylene	45		37-123	B
Decachlorobiphenyl	53		38-114	B

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 127,608.3
Analytical Date: 06/12/19 12:49
Analyst: KB

Extraction Method: EPA 608.3
Extraction Date: 06/12/19 07:25
Cleanup Method: EPA 3665A
Cleanup Date: 06/12/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/12/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG1247304-1						
Aroclor 1016	ND		ug/l	0.083	0.013	A
Aroclor 1221	ND		ug/l	0.083	0.018	A
Aroclor 1232	ND		ug/l	0.083	0.038	A
Aroclor 1242	ND		ug/l	0.083	0.030	A
Aroclor 1248	ND		ug/l	0.083	0.038	A
Aroclor 1254	ND		ug/l	0.083	0.014	A
Aroclor 1260	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		37-123	A
Decachlorobiphenyl	86		38-114	A
2,4,5,6-Tetrachloro-m-xylene	70		37-123	B
Decachlorobiphenyl	93		38-114	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

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: WG1244479-2									
Aroclor 1016	59		-		50-140	-		36	A
Aroclor 1260	53		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62				37-123	A
Decachlorobiphenyl	60				38-114	A
2,4,5,6-Tetrachloro-m-xylene	62				37-123	B
Decachlorobiphenyl	65				38-114	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG1247304-2									
Aroclor 1016	66		-		50-140	-		36	A
Aroclor 1260	65		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74				37-123	A
Decachlorobiphenyl	86				38-114	A
2,4,5,6-Tetrachloro-m-xylene	75				37-123	B
Decachlorobiphenyl	96				38-114	B

Matrix Spike Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

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: WG1244479-3 WG1244479-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006													
Aroclor 1016	ND	2.6	1.72	66		1.78	68		50-140	3		36	A
Aroclor 1260	ND	2.6	1.35	52		1.53	59		8-140	13		38	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		67		37-123	A
Decachlorobiphenyl	48		58		38-114	A
2,4,5,6-Tetrachloro-m-xylene	66		68		37-123	B
Decachlorobiphenyl	55		65		38-114	B

METALS

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-01 Date Collected: 05/30/19 06:30

Client ID: WG-8616480-053019-BP-001 Date Received: 05/30/19

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	1.96		mg/l	0.0100	0.00327	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Antimony, Total	0.00397	J	mg/l	0.00400	0.00042	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Arsenic, Total	0.02122		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Barium, Total	0.1838		mg/l	0.00050	0.00017	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00394		mg/l	0.00020	0.00005	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Calcium, Total	268.		mg/l	0.100	0.0394	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Chromium, Total	0.00991		mg/l	0.00100	0.00017	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00743		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Copper, Total	0.07830		mg/l	0.00100	0.00038	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Iron, Total	6.57		mg/l	0.0750	0.0191	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Lead, Total	0.4096		mg/l	0.00100	0.00034	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Magnesium, Total	214.		mg/l	0.0700	0.0242	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Manganese, Total	0.5086		mg/l	0.00100	0.00044	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Mercury, Total	0.00318		mg/l	0.00020	0.00009	1	06/12/19 09:50	06/12/19 14:03	EPA 7470A	1,7470A	GD
Nickel, Total	0.04622		mg/l	0.00200	0.00055	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Potassium, Total	106.		mg/l	0.100	0.0309	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Silver, Total	0.00030	J	mg/l	0.00040	0.00016	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Sodium, Total	2210		mg/l	5.00	1.46	50	06/11/19 08:55	06/11/19 19:04	EPA 3005A	1,6020B	AM
Thallium, Total	0.00016	J	mg/l	0.00050	0.00014	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Vanadium, Total	0.01584		mg/l	0.00500	0.00157	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Zinc, Total	0.5439		mg/l	0.01000	0.00341	1	06/11/19 08:55	06/11/19 17:44	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00329	J	mg/l	0.0100	0.00327	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00354	J	mg/l	0.00400	0.00042	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00158		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.09795		mg/l	0.02500	0.00865	50	06/12/19 18:54	06/13/19 09:37	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-01 Date Collected: 05/30/19 06:30

Client ID: WG-8616480-053019-BP-001 Date Received: 05/30/19

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	0.00008	J	mg/l	0.00020	0.00005	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Calcium, Dissolved	194.		mg/l	0.100	0.0394	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00155		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00071	J	mg/l	0.00100	0.00038	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.168		mg/l	0.0500	0.0191	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00271		mg/l	0.00100	0.00034	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	216.		mg/l	0.0700	0.0242	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.4158		mg/l	0.00100	0.00044	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	06/11/19 16:03	06/12/19 01:16	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.01096		mg/l	0.00200	0.00055	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Potassium, Dissolved	79.8		mg/l	0.100	0.0309	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Sodium, Dissolved	1980		mg/l	5.00	1.46	50	06/12/19 18:54	06/13/19 09:37	EPA 3005A	1,6020B	AM
Thallium, Dissolved	0.00018	J	mg/l	0.00050	0.00014	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.05404		mg/l	0.01000	0.00341	1	06/12/19 18:54	06/13/19 09:05	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-02 Date Collected: 05/30/19 07:20

Client ID: WG-8616480-053019-BP-002 Date Received: 05/30/19

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	0.488		mg/l	0.0100	0.00327	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Antimony, Total	0.00189	J	mg/l	0.00400	0.00042	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00496		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Barium, Total	0.1740		mg/l	0.00050	0.00017	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00021		mg/l	0.00020	0.00005	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Calcium, Total	287.		mg/l	0.100	0.0394	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Chromium, Total	0.00238		mg/l	0.00100	0.00017	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00127		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Copper, Total	0.00884		mg/l	0.00100	0.00038	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Iron, Total	2.26		mg/l	0.0750	0.0191	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Lead, Total	0.03815		mg/l	0.00100	0.00034	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Magnesium, Total	40.2		mg/l	0.0700	0.0242	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Manganese, Total	0.7296		mg/l	0.00100	0.00044	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/12/19 09:50	06/12/19 14:05	EPA 7470A	1,7470A	GD
Nickel, Total	0.00571		mg/l	0.00200	0.00055	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Potassium, Total	63.3		mg/l	0.100	0.0309	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Sodium, Total	593.		mg/l	5.00	1.46	50	06/11/19 08:55	06/11/19 19:08	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00353	J	mg/l	0.00500	0.00157	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Zinc, Total	0.04084		mg/l	0.01000	0.00341	1	06/11/19 08:55	06/11/19 17:48	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0200	0.00654	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00364	J	mg/l	0.00800	0.00085	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00597		mg/l	0.00100	0.00033	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1148		mg/l	0.00100	0.00034	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00100	0.00021	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-02 Date Collected: 05/30/19 07:20

Client ID: WG-8616480-053019-BP-002 Date Received: 05/30/19

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	0.00040	0.00011	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Calcium, Dissolved	262.		mg/l	0.200	0.0788	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00200	0.00035	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00122		mg/l	0.00100	0.00032	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00200	0.00076	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.138		mg/l	0.100	0.0382	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00200	0.00068	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	39.6		mg/l	0.140	0.0484	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.8686		mg/l	0.00200	0.00088	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	06/11/19 16:03	06/12/19 01:18	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00660		mg/l	0.00400	0.00111	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Potassium, Dissolved	53.8		mg/l	0.200	0.0618	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.0100	0.00346	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00080	0.00032	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Sodium, Dissolved	504.		mg/l	0.200	0.0586	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00100	0.00028	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.01000	0.00314	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.01595	J	mg/l	0.02000	0.00682	1	06/12/19 18:54	06/13/19 09:10	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-03 Date Collected: 05/30/19 08:30

Client ID: WG-8616480-053019-BP-003 Date Received: 05/30/19

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	0.375		mg/l	0.0100	0.00327	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Antimony, Total	0.00051	J	mg/l	0.00400	0.00042	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00443		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Barium, Total	0.3716		mg/l	0.00050	0.00017	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Calcium, Total	96.8		mg/l	0.100	0.0394	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Chromium, Total	0.00205		mg/l	0.00100	0.00017	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00055		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Copper, Total	0.00492		mg/l	0.00100	0.00038	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Iron, Total	19.0		mg/l	0.0750	0.0191	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Lead, Total	0.02243		mg/l	0.00100	0.00034	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Magnesium, Total	44.3		mg/l	0.0700	0.0242	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Manganese, Total	1.009		mg/l	0.00100	0.00044	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/12/19 09:50	06/12/19 14:06	EPA 7470A	1,7470A	GD
Nickel, Total	0.00069	J	mg/l	0.00200	0.00055	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Potassium, Total	19.6		mg/l	0.100	0.0309	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Sodium, Total	253.		mg/l	0.100	0.0293	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00194	J	mg/l	0.00500	0.00157	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Zinc, Total	0.00743	J	mg/l	0.01000	0.00341	1	06/11/19 08:55	06/11/19 17:52	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00113	J	mg/l	0.00400	0.00042	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00068		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2752		mg/l	0.00050	0.00017	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-03 Date Collected: 05/30/19 08:30

Client ID: WG-8616480-053019-BP-003 Date Received: 05/30/19

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	0.00005	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Calcium, Dissolved	89.6		mg/l	0.100	0.0394	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00017	J	mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Iron, Dissolved	1.84		mg/l	0.0500	0.0191	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	45.6		mg/l	0.0700	0.0242	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.9119		mg/l	0.00100	0.00044	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	06/11/19 16:03	06/12/19 01:20	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00075	J	mg/l	0.00200	0.00055	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Potassium, Dissolved	18.0		mg/l	0.100	0.0309	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Sodium, Dissolved	230.		mg/l	0.100	0.0293	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	06/12/19 18:54	06/13/19 09:14	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-04 Date Collected: 05/30/19 09:00

Client ID: WG-8616480-053019-BP-004 Date Received: 05/30/19

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	0.358		mg/l	0.0100	0.00327	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Antimony, Total	0.00047	J	mg/l	0.00400	0.00042	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00443		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Barium, Total	0.3669		mg/l	0.00050	0.00017	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Calcium, Total	95.4		mg/l	0.100	0.0394	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Chromium, Total	0.00194		mg/l	0.00100	0.00017	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00038	J	mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Copper, Total	0.00486		mg/l	0.00100	0.00038	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Iron, Total	18.9		mg/l	0.0750	0.0191	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Lead, Total	0.02273		mg/l	0.00100	0.00034	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Magnesium, Total	44.3		mg/l	0.0700	0.0242	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Manganese, Total	0.9843		mg/l	0.00100	0.00044	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/12/19 09:50	06/12/19 14:08	EPA 7470A	1,7470A	GD
Nickel, Total	0.00065	J	mg/l	0.00200	0.00055	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Potassium, Total	19.3		mg/l	0.100	0.0309	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Sodium, Total	250.		mg/l	0.100	0.0293	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00168	J	mg/l	0.00500	0.00157	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Zinc, Total	0.00678	J	mg/l	0.01000	0.00341	1	06/11/19 08:55	06/11/19 17:56	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00093	J	mg/l	0.00400	0.00042	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00061		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.2729		mg/l	0.00050	0.00017	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-04 Date Collected: 05/30/19 09:00

Client ID: WG-8616480-053019-BP-004 Date Received: 05/30/19

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	0.00005	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Calcium, Dissolved	89.8		mg/l	0.100	0.0394	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Iron, Dissolved	1.01		mg/l	0.0500	0.0191	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	45.5		mg/l	0.0700	0.0242	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.9306		mg/l	0.00100	0.00044	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	06/11/19 16:03	06/12/19 01:22	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00073	J	mg/l	0.00200	0.00055	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Potassium, Dissolved	18.2		mg/l	0.100	0.0309	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Sodium, Dissolved	230.		mg/l	0.100	0.0293	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	06/12/19 18:54	06/13/19 09:19	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-05 Date Collected: 05/30/19 12:30

Client ID: WG-8616480-053019-BP-005 Date Received: 05/30/19

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	0.0449		mg/l	0.0100	0.00327	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00712		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Barium, Total	0.1635		mg/l	0.00050	0.00017	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00044		mg/l	0.00020	0.00005	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Calcium, Total	229.		mg/l	0.100	0.0394	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Chromium, Total	0.00087	J	mg/l	0.00100	0.00017	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00060		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Copper, Total	0.00067	J	mg/l	0.00100	0.00038	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Iron, Total	0.541		mg/l	0.0750	0.0191	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Lead, Total	0.00224		mg/l	0.00100	0.00034	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Magnesium, Total	30.8		mg/l	0.0700	0.0242	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Manganese, Total	0.5469		mg/l	0.00100	0.00044	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/12/19 09:50	06/12/19 14:10	EPA 7470A	1,7470A	GD
Nickel, Total	0.00544		mg/l	0.00200	0.00055	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Potassium, Total	52.4		mg/l	0.100	0.0309	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Sodium, Total	486.		mg/l	0.100	0.0293	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00167	J	mg/l	0.00500	0.00157	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Zinc, Total	0.00933	J	mg/l	0.01000	0.00341	1	06/11/19 08:55	06/11/19 18:01	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00072	J	mg/l	0.00400	0.00042	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00913		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1500		mg/l	0.00050	0.00017	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-05 Date Collected: 05/30/19 12:30

Client ID: WG-8616480-053019-BP-005 Date Received: 05/30/19

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	0.00005	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Calcium, Dissolved	204.		mg/l	0.100	0.0394	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00029	J	mg/l	0.00100	0.00017	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00060		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.0894		mg/l	0.0500	0.0191	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	31.2		mg/l	0.0700	0.0242	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.4906		mg/l	0.00100	0.00044	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	06/11/19 16:03	06/12/19 01:23	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00429		mg/l	0.00200	0.00055	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Potassium, Dissolved	46.9		mg/l	0.100	0.0309	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Sodium, Dissolved	436.		mg/l	0.100	0.0293	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	06/12/19 18:54	06/13/19 09:23	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-06 Date Collected: 05/30/19 11:00

Client ID: WG-8616480-053019-BP-006 Date Received: 05/30/19

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	0.0758		mg/l	0.0100	0.00327	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Antimony, Total	0.01014		mg/l	0.00400	0.00042	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00387		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Barium, Total	0.1714		mg/l	0.00050	0.00017	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00013	J	mg/l	0.00020	0.00005	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Calcium, Total	152.		mg/l	0.100	0.0394	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Chromium, Total	0.00254		mg/l	0.00100	0.00017	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00097		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Copper, Total	0.00188		mg/l	0.00100	0.00038	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Iron, Total	3.92		mg/l	0.0600	0.0191	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Lead, Total	0.00404		mg/l	0.00100	0.00034	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Magnesium, Total	32.1		mg/l	0.0700	0.0242	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Manganese, Total	1.856		mg/l	0.00100	0.00044	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/12/19 09:50	06/12/19 13:47	EPA 7470A	1,7470A	GD
Nickel, Total	0.00689		mg/l	0.00200	0.00055	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Potassium, Total	14.5		mg/l	0.100	0.0309	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Sodium, Total	338.		mg/l	0.100	0.0293	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Thallium, Total	0.00019	J	mg/l	0.00050	0.00014	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00207	J	mg/l	0.00500	0.00157	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Zinc, Total	0.00931	J	mg/l	0.01000	0.00341	1	06/11/19 08:55	06/11/19 15:08	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00473	J	mg/l	0.0100	0.00327	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00354	J	mg/l	0.00400	0.00042	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00276		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.1510		mg/l	0.00050	0.00017	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-06 Date Collected: 05/30/19 11:00

Client ID: WG-8616480-053019-BP-006 Date Received: 05/30/19

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	0.00005	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Calcium, Dissolved	160.		mg/l	0.100	0.0394	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00081	J	mg/l	0.00100	0.00017	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00134		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.0977		mg/l	0.0500	0.0191	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	38.4		mg/l	0.0700	0.0242	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Manganese, Dissolved	1.901		mg/l	0.00100	0.00044	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	06/11/19 16:03	06/12/19 01:11	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00687		mg/l	0.00200	0.00055	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Potassium, Dissolved	15.2		mg/l	0.100	0.0309	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Sodium, Dissolved	361.		mg/l	0.100	0.0293	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Thallium, Dissolved	0.00019	J	mg/l	0.00050	0.00014	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	06/12/19 18:54	06/12/19 23:26	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-07 Date Collected: 05/30/19 13:15

Client ID: WG-8616480-053019-BP-007 Date Received: 05/30/19

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	1.09		mg/l	0.0100	0.00327	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00326		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Barium, Total	0.8151		mg/l	0.00050	0.00017	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00472		mg/l	0.00020	0.00005	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Calcium, Total	280.		mg/l	0.100	0.0394	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Chromium, Total	0.00517		mg/l	0.00100	0.00017	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Cobalt, Total	0.00121		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Copper, Total	0.01064		mg/l	0.00100	0.00038	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Iron, Total	117.		mg/l	0.0750	0.0191	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Lead, Total	0.01560		mg/l	0.00100	0.00034	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Magnesium, Total	19.1		mg/l	0.0700	0.0242	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Manganese, Total	0.5777		mg/l	0.00100	0.00044	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/12/19 09:50	06/12/19 14:12	EPA 7470A	1,7470A	GD
Nickel, Total	0.00313		mg/l	0.00200	0.00055	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Potassium, Total	24.4		mg/l	0.100	0.0309	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Sodium, Total	568.		mg/l	5.00	1.46	50	06/11/19 08:55	06/11/19 19:12	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Vanadium, Total	0.00725		mg/l	0.00500	0.00157	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Zinc, Total	0.06033		mg/l	0.01000	0.00341	1	06/11/19 08:55	06/11/19 18:05	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00079	J	mg/l	0.00400	0.00042	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.3590		mg/l	0.00050	0.00017	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-07 Date Collected: 05/30/19 13:15

Client ID: WG-8616480-053019-BP-007 Date Received: 05/30/19

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	0.00097		mg/l	0.00020	0.00005	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Calcium, Dissolved	243.		mg/l	0.100	0.0394	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00029	J	mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00040	J	mg/l	0.00100	0.00038	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.101		mg/l	0.0500	0.0191	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	18.0		mg/l	0.0700	0.0242	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.3617		mg/l	0.00100	0.00044	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	06/11/19 16:03	06/12/19 01:28	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00100	J	mg/l	0.00200	0.00055	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Potassium, Dissolved	21.2		mg/l	0.100	0.0309	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Sodium, Dissolved	558.		mg/l	5.00	1.46	50	06/12/19 18:54	06/13/19 09:46	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.01521		mg/l	0.01000	0.00341	1	06/12/19 18:54	06/13/19 09:28	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-08 Date Collected: 05/30/19 14:40

Client ID: WG-8616480-053019-BP-008 Date Received: 05/30/19

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	14.4		mg/l	0.0100	0.00327	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Antimony, Total	0.00088	J	mg/l	0.00400	0.00042	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Arsenic, Total	0.07130		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Barium, Total	0.9064		mg/l	0.00050	0.00017	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00204		mg/l	0.00050	0.00010	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00401		mg/l	0.00020	0.00005	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Calcium, Total	123.		mg/l	0.100	0.0394	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Chromium, Total	4.741		mg/l	0.00100	0.00017	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Cobalt, Total	0.04781		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Copper, Total	0.1934		mg/l	0.00100	0.00038	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Iron, Total	384.		mg/l	0.0750	0.0191	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Lead, Total	0.6200		mg/l	0.00100	0.00034	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Magnesium, Total	22.5		mg/l	0.0700	0.0242	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Manganese, Total	5.535		mg/l	0.00100	0.00044	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Mercury, Total	0.00133		mg/l	0.00020	0.00009	1	06/12/19 09:50	06/12/19 14:13	EPA 7470A	1,7470A	GD
Nickel, Total	4.745		mg/l	0.00200	0.00055	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Potassium, Total	11.9		mg/l	0.100	0.0309	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Selenium, Total	0.0132		mg/l	0.00500	0.00173	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Silver, Total	0.00052		mg/l	0.00040	0.00016	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Sodium, Total	74.4		mg/l	0.100	0.0293	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Thallium, Total	0.00042	J	mg/l	0.00050	0.00014	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Vanadium, Total	0.06364		mg/l	0.00500	0.00157	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Zinc, Total	0.5075		mg/l	0.01000	0.00341	1	06/11/19 08:55	06/11/19 18:09	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00434	J	mg/l	0.0100	0.00327	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00087	J	mg/l	0.00400	0.00042	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00053		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.08661		mg/l	0.00050	0.00017	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-08 Date Collected: 05/30/19 14:40

Client ID: WG-8616480-053019-BP-008 Date Received: 05/30/19

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	0.00005	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Calcium, Dissolved	92.4		mg/l	0.100	0.0394	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00112		mg/l	0.00100	0.00017	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00245		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.0814		mg/l	0.0500	0.0191	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	16.8		mg/l	0.0700	0.0242	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Manganese, Dissolved	2.298		mg/l	0.00100	0.00044	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	06/11/19 16:03	06/12/19 01:30	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.1963		mg/l	0.00200	0.00055	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Potassium, Dissolved	8.65		mg/l	0.100	0.0309	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Sodium, Dissolved	63.0		mg/l	0.100	0.0293	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	06/12/19 18:54	06/13/19 09:33	EPA 3005A	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

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: WG1246799-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Antimony, Total	0.00108	J	mg/l	0.00400	0.00042	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Iron, Total	0.0375	J	mg/l	0.0600	0.0191	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	06/11/19 08:55	06/11/19 14:55	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	06/11/19 08:55	06/11/19 14:55	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: WG1247015-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	06/11/19 16:03	06/12/19 01:08	1,7470A	EA

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

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: WG1247374-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/12/19 09:50	06/12/19 13:44	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

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: WG1247399-1										
Aluminum, Dissolved	0.00996	J	mg/l	0.0100	0.00327	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Iron, Dissolved	0.0235	J	mg/l	0.0500	0.0191	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

Method Blank Analysis
Batch Quality Control

Vanadium, Dissolved	ND	mg/l	0.00500	0.00157	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM
Zinc, Dissolved	ND	mg/l	0.01000	0.00341	1	06/12/19 18:54	06/12/19 23:03	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1246799-2								
Aluminum, Total	106		-		80-120	-		
Antimony, Total	98		-		80-120	-		
Arsenic, Total	93		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	109		-		80-120	-		
Cadmium, Total	114		-		80-120	-		
Calcium, Total	101		-		80-120	-		
Chromium, Total	103		-		80-120	-		
Cobalt, Total	103		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	110		-		80-120	-		
Lead, Total	110		-		80-120	-		
Magnesium, Total	105		-		80-120	-		
Manganese, Total	103		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Potassium, Total	101		-		80-120	-		
Selenium, Total	112		-		80-120	-		
Silver, Total	105		-		80-120	-		
Sodium, Total	101		-		80-120	-		
Thallium, Total	105		-		80-120	-		
Vanadium, Total	105		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1246799-2						
Zinc, Total	112		-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1247015-2						
Mercury, Dissolved	**125**	Q	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1247374-2						
Mercury, Total	93		-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1247399-2					
Aluminum, Dissolved	115	-	80-120	-	
Antimony, Dissolved	92	-	80-120	-	
Arsenic, Dissolved	108	-	80-120	-	
Barium, Dissolved	105	-	80-120	-	
Beryllium, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	107	-	80-120	-	
Calcium, Dissolved	120	-	80-120	-	
Chromium, Dissolved	104	-	80-120	-	
Cobalt, Dissolved	103	-	80-120	-	
Copper, Dissolved	100	-	80-120	-	
Iron, Dissolved	108	-	80-120	-	
Lead, Dissolved	114	-	80-120	-	
Magnesium, Dissolved	120	-	80-120	-	
Manganese, Dissolved	103	-	80-120	-	
Nickel, Dissolved	105	-	80-120	-	
Potassium, Dissolved	120	-	80-120	-	
Selenium, Dissolved	116	-	80-120	-	
Silver, Dissolved	105	-	80-120	-	
Sodium, Dissolved	113	-	80-120	-	
Thallium, Dissolved	107	-	80-120	-	
Vanadium, Dissolved	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1247399-2					
Zinc, Dissolved	108	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L1922928
Report Date: 06/17/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1246799-3 WG1246799-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006												
Aluminum, Total	0.0758	2	2.14	103		2.37	115		75-125	10		20
Antimony, Total	0.01014	0.5	0.6558	**129**	Q	0.6972	**137**	Q	75-125	6		20
Arsenic, Total	0.00387	0.12	0.1371	111		0.1455	118		75-125	6		20
Barium, Total	0.1714	2	2.267	105		2.426	113		75-125	7		20
Beryllium, Total	ND	0.05	0.05726	114		0.05692	114		75-125	1		20
Cadmium, Total	0.00013J	0.051	0.05693	112		0.05950	117		75-125	4		20
Calcium, Total	152.	10	159	**70**	Q	174	**220**	Q	75-125	9		20
Chromium, Total	0.00254	0.2	0.2070	102		0.2233	110		75-125	8		20
Cobalt, Total	0.00097	0.5	0.5132	102		0.5566	111		75-125	8		20
Copper, Total	0.00188	0.25	0.2448	97		0.2672	106		75-125	9		20
Iron, Total	3.92	1	5.70	**178**	Q	5.68	**176**	Q	75-125	0		20
Lead, Total	0.00404	0.51	0.5675	110		0.6027	117		75-125	6		20
Magnesium, Total	32.1	10	42.8	107		46.8	**147**	Q	75-125	9		20
Manganese, Total	1.856	0.5	2.418	112		2.606	**150**	Q	75-125	7		20
Nickel, Total	0.00689	0.5	0.5032	99		0.5518	109		75-125	9		20
Potassium, Total	14.5	10	23.6	91		26.3	118		75-125	11		20
Selenium, Total	ND	0.12	0.0940	78		0.101	84		75-125	7		20
Silver, Total	ND	0.05	0.05242	105		0.05742	115		75-125	9		20
Sodium, Total	338.	10	320	**0**	Q	354	**160**	Q	75-125	10		20
Thallium, Total	0.00019J	0.12	0.1263	105		0.1344	112		75-125	6		20
Vanadium, Total	0.00207J	0.5	0.5177	104		0.5587	112		75-125	8		20

Matrix Spike Analysis
Batch Quality Control

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L1922928
Report Date: 06/17/19

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: WG1246799-3 WG1246799-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006									
Zinc, Total	0.00931J	0.5	0.5544	111	0.5925	118	75-125	7	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1247015-3 WG1247015-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006									
Mercury, Dissolved	ND	0.005	0.00391	78	0.00390	78	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1247374-3 WG1247374-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006									
Mercury, Total	ND	0.005	0.00424	85	0.00419	84	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L1922928
Report Date: 06/17/19

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: WG1247399-3 WG1247399-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006											
Aluminum, Dissolved	0.00473J	2	2.28	114		2.29	114		75-125	0	20
Antimony, Dissolved	0.00354J	0.5	0.6829	**136**	Q	0.6598	**132**	Q	75-125	3	20
Arsenic, Dissolved	0.00276	0.12	0.1341	109		0.1321	108		75-125	2	20
Barium, Dissolved	0.1510	2	2.225	104		2.227	104		75-125	0	20
Beryllium, Dissolved	ND	0.05	0.05101	102		0.05542	111		75-125	8	20
Cadmium, Dissolved	ND	0.051	0.05506	108		0.05500	108		75-125	0	20
Calcium, Dissolved	160.	10	172	120		176	**160**	Q	75-125	2	20
Chromium, Dissolved	0.00081J	0.2	0.2054	103		0.2044	102		75-125	0	20
Cobalt, Dissolved	0.00134	0.5	0.5095	102		0.4993	100		75-125	2	20
Copper, Dissolved	ND	0.25	0.2493	100		0.2451	98		75-125	2	20
Iron, Dissolved	0.0977	1	1.07	97		1.07	97		75-125	0	20
Lead, Dissolved	ND	0.51	0.5450	107		0.5418	106		75-125	1	20
Magnesium, Dissolved	38.4	10	49.0	106		49.6	112		75-125	1	20
Manganese, Dissolved	1.901	0.5	2.402	100		2.380	96		75-125	1	20
Nickel, Dissolved	0.00687	0.5	0.5093	100		0.5093	100		75-125	0	20
Potassium, Dissolved	15.2	10	26.8	116		28.1	**129**	Q	75-125	5	20
Selenium, Dissolved	ND	0.12	0.140	117		0.140	117		75-125	0	20
Silver, Dissolved	ND	0.05	0.05119	102		0.04988	100		75-125	3	20
Sodium, Dissolved	361.	10	358	**0**	Q	364	**30**	Q	75-125	2	20
Thallium, Dissolved	0.00019J	0.12	0.1224	102		0.1218	102		75-125	0	20
Vanadium, Dissolved	ND	0.5	0.5247	105		0.5164	103		75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L1922928
Report Date: 06/17/19

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: WG1247399-3 WG1247399-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006									
Zinc, Dissolved	ND	0.5	0.5495	110	0.5333	107	75-125	3	20

INORGANICS
&
MISCELLANEOUS

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-01
Client ID: WG-8616480-053019-BP-001
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 05/30/19 06:30
Date Received: 05/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	376.		mg CaCO3/L	2.00	NA	1	-	06/01/19 04:22	121,2320B	MA
Chemical Oxygen Demand	280		mg/l	100	27.	10	06/04/19 21:55	06/05/19 00:24	44,410.4	TL
BOD, 5 day	11.		mg/l	10	NA	5	05/31/19 19:40	06/05/19 22:50	121,5210B	RM
Total Organic Carbon	2.06		mg/l	0.500	0.114	1	-	05/31/19 21:19	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	3940		mg/l	125	21.0	250	-	06/07/19 06:49	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-02
Client ID: WG-8616480-053019-BP-002
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 05/30/19 07:20
Date Received: 05/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	534.		mg CaCO3/L	2.00	NA	1	-	06/01/19 04:22	121,2320B	MA
Chemical Oxygen Demand	73.		mg/l	40	11.	4	06/04/19 21:55	06/05/19 00:24	44,410.4	TL
BOD, 5 day	11.		mg/l	5.0	NA	2.5	05/31/19 19:40	06/05/19 22:50	121,5210B	RM
Total Organic Carbon	15.6		mg/l	5.00	1.14	10	-	05/31/19 21:37	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1080		mg/l	25.0	4.20	50	-	06/07/19 06:01	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-03
Client ID: WG-8616480-053019-BP-003
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 05/30/19 08:30
Date Received: 05/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	295.		mg CaCO3/L	2.00	NA	1	-	06/01/19 04:22	121,2320B	MA
Chemical Oxygen Demand	21.		mg/l	10	2.7	1	06/04/19 21:55	06/05/19 00:24	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	05/31/19 19:40	06/05/19 22:50	121,5210B	RM
Total Organic Carbon	11.6		mg/l	5.00	1.14	10	-	05/31/19 22:06	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	472.		mg/l	25.0	4.20	50	-	06/07/19 06:13	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-04
Client ID: WG-8616480-053019-BP-004
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 05/30/19 09:00
Date Received: 05/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	300.		mg CaCO3/L	2.00	NA	1	-	06/01/19 04:22	121,2320B	MA
Chemical Oxygen Demand	44.		mg/l	40	11.	4	06/04/19 21:55	06/05/19 00:24	44,410.4	TL
BOD, 5 day	3.1		mg/l	2.0	NA	1	05/31/19 19:40	06/05/19 22:50	121,5210B	RM
Total Organic Carbon	1.79		mg/l	0.500	0.114	1	-	05/31/19 22:36	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	472.		mg/l	25.0	4.20	50	-	06/07/19 06:25	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-05
Client ID: WG-8616480-053019-BP-005
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 05/30/19 12:30
Date Received: 05/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	625.		mg CaCO3/L	5.00	NA	2.5	-	06/01/19 04:22	121,2320B	MA
Chemical Oxygen Demand	73.		mg/l	40	11.	4	06/04/19 21:55	06/05/19 00:24	44,410.4	TL
BOD, 5 day	9.2		mg/l	2.0	NA	1	05/31/19 19:40	06/05/19 22:50	121,5210B	RM
Total Organic Carbon	15.1		mg/l	5.00	1.14	10	-	05/31/19 22:53	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	840.		mg/l	25.0	4.20	50	-	06/07/19 06:37	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-06
Client ID: WG-8616480-053019-BP-006
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 05/30/19 11:00
Date Received: 05/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	352.		mg CaCO3/L	2.00	NA	1	-	06/01/19 04:22	121,2320B	MA
Chemical Oxygen Demand	33.		mg/l	10	2.7	1	06/04/19 21:55	06/05/19 00:24	44,410.4	TL
BOD, 5 day	2.3		mg/l	2.0	NA	1	05/31/19 19:40	06/05/19 22:50	121,5210B	RM
Total Organic Carbon	3.06		mg/l	0.500	0.114	1	-	05/31/19 14:13	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	625.		mg/l	25.0	4.20	50	-	06/07/19 11:25	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-07
Client ID: WG-8616480-053019-BP-007
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 05/30/19 13:15
Date Received: 05/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	429.		mg CaCO3/L	2.00	NA	1	-	06/01/19 04:22	121,2320B	MA
Chemical Oxygen Demand	35.		mg/l	10	2.7	1	06/04/19 21:55	06/05/19 00:27	44,410.4	TL
BOD, 5 day	ND		mg/l	2.0	NA	1	05/31/19 19:40	06/05/19 22:50	121,5210B	RM
Total Organic Carbon	1.55		mg/l	0.500	0.114	1	-	05/31/19 23:24	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	1040		mg/l	25.0	4.20	50	-	06/07/19 07:13	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480
Lab Number: L1922928
Report Date: 06/17/19

SAMPLE RESULTS

Lab ID: L1922928-08
Client ID: WG-8616480-053019-BP-008
Sample Location: Not Specified
Sample Depth:
Matrix: Water

Date Collected: 05/30/19 14:40
Date Received: 05/30/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Alkalinity, Total	259.		mg CaCO3/L	2.00	NA	1	-	06/01/19 04:22	121,2320B	MA
Chemical Oxygen Demand	280		mg/l	100	27.	10	06/06/19 18:00	06/06/19 20:46	44,410.4	TL
BOD, 5 day	13.		mg/l	10	NA	5	05/31/19 19:40	06/05/19 22:50	121,5210B	RM
Total Organic Carbon	2.77		mg/l	0.500	0.114	1	-	05/31/19 23:43	121,5310C	DW
Anions by Ion Chromatography - Westborough Lab										
Chloride	120.		mg/l	25.0	4.20	50	-	06/07/19 07:25	44,300.0	JT

Project Name: FRITO-LAY BROOKLYN **Lab Number:** L1922928

Project Number: 8616480 **Report Date:** 06/17/19

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: WG1243149-1										
Total Organic Carbon	ND		mg/l	0.500	0.114	1	-	05/31/19 14:28	121,5310C	DW
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1243354-1										
BOD, 5 day	ND		mg/l	2.0	NA	1	05/31/19 19:40	06/05/19 22:50	121,5210B	RM
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1243501-1										
Alkalinity, Total	ND		mg CaCO3/L	2.00	NA	1	-	06/01/19 04:22	121,2320B	MA
General Chemistry - Westborough Lab for sample(s): 01-07 Batch: WG1244506-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	06/04/19 21:55	06/05/19 00:21	44,410.4	TL
General Chemistry - Westborough Lab for sample(s): 08 Batch: WG1245460-1										
Chemical Oxygen Demand	ND		mg/l	10	2.7	1	06/06/19 18:00	06/06/19 20:45	44,410.4	TL
Anions by Ion Chromatography - Westborough Lab for sample(s): 01-08 Batch: WG1245971-1										
Chloride	ND		mg/l	0.500	0.083	1	-	06/07/19 05:37	44,300.0	JT

Lab Control Sample Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1243149-2								
Total Organic Carbon	106		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1243354-2								
BOD, 5 day	104		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1243501-2								
Alkalinity, Total	103		-		90-110	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-07 Batch: WG1244506-2								
Chemical Oxygen Demand	104		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 08 Batch: WG1245460-2								
Chemical Oxygen Demand	104		-		90-110	-		
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-08 Batch: WG1245971-2								
Chloride	96		-		90-110	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L1922928
Report Date: 06/17/19

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: WG1243149-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006												
Total Organic Carbon	3.06	4	6.60	88		-	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1243354-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006												
BOD, 5 day	2.3	100	110	107		-	-		50-145	-		35
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1243501-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006												
Alkalinity, Total	352.	100	410	**58**	Q	-	-		86-116	-		10
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1244506-3 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006												
Chemical Oxygen Demand	33.	47.6	77	92		-	-		90-110	-		20
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1245460-3 QC Sample: L1923805-01 Client ID: MS Sample												
Chemical Oxygen Demand	6.0J	47.6	50	105		-	-		90-110	-		20
Anions by Ion Chromatography - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1245971-3 WG1245971-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006												
Chloride	625.	200	812	94		811	93		90-110	0		18

Lab Duplicate Analysis

Batch Quality Control

Project Name: FRITO-LAY BROOKLYN

Project Number: 8616480

Lab Number: L1922928

Report Date: 06/17/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1243149-3 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006						
Total Organic Carbon	3.06	2.88	mg/l	6		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1243354-3 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006						
BOD, 5 day	2.3	2.3	mg/l	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1243501-3 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006						
Alkalinity, Total	352.	355	mg CaCO3/L	1		10
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1244506-4 QC Sample: L1922928-06 Client ID: WG-8616480-053019-BP-006						
Chemical Oxygen Demand	33.	30	mg/l	10		20
General Chemistry - Westborough Lab Associated sample(s): 08 QC Batch ID: WG1245460-4 QC Sample: L1923805-01 Client ID: DUP Sample						
Chemical Oxygen Demand	6.0J	8.5J	mg/l	NC		20

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L1922928
Report Date: 06/17/19

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(*)
L1922928-01A	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-01B	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-01C	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-01D	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-01E	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-01F	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-01G	Plastic 120ml unpreserved	B	NA		4.5	Y	Absent		ALK-T-2320(14)
L1922928-01H	Plastic 250ml unpreserved	B	7	7	4.5	Y	Absent		-
L1922928-01I	Plastic 250ml HNO3 preserved	B	<2	<2	4.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1922928-01J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L1922928-01K	Plastic 950ml unpreserved	B	7	7	4.5	Y	Absent		CL-300(28),BOD-5210(2)
L1922928-01L	Amber 1000ml Na2S2O3	B	7	7	4.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-01M	Amber 1000ml Na2S2O3	B	7	7	4.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-01N	Amber 1000ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		SUB-TOX(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(*)
L1922928-01X	Plastic 250ml HNO3 preserved Filtrates	B	NA		4.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-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),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1922928-02A	Vial HCl preserved	E	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1922928-02B	Vial HCl preserved	E	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1922928-02C	Vial HCl preserved	E	NA		2.8	Y	Absent		NYTCL-8260-R2(14)
L1922928-02D	Vial H2SO4 preserved	E	NA		2.8	Y	Absent		TOC-5310(28)
L1922928-02E	Vial H2SO4 preserved	E	NA		2.8	Y	Absent		TOC-5310(28)
L1922928-02F	Vial H2SO4 preserved	E	NA		2.8	Y	Absent		TOC-5310(28)
L1922928-02G	Plastic 120ml unpreserved	E	NA		2.8	Y	Absent		ALK-T-2320(14)
L1922928-02H	Plastic 250ml unpreserved	E	7	7	2.8	Y	Absent		-
L1922928-02I	Plastic 250ml HNO3 preserved	E	<2	<2	2.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1922928-02J	Plastic 250ml H2SO4 preserved	E	<2	<2	2.8	Y	Absent		COD-410-LOW(28)
L1922928-02K	Plastic 950ml unpreserved	E	7	7	2.8	Y	Absent		CL-300(28),BOD-5210(2)
L1922928-02L	Amber 1000ml Na2S2O3	E	7	7	2.8	Y	Absent		NYPCB-608-1200ML(7)
L1922928-02M	Amber 1000ml Na2S2O3	E	7	7	2.8	Y	Absent		NYPCB-608-1200ML(7)
L1922928-02N	Amber 1000ml H2SO4 preserved	E	2	2	2.8	Y	Absent		SUB-TOX(28)
L1922928-02X	Plastic 250ml HNO3 preserved Filtrates	E	NA		2.8	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-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),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(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(*)
L1922928-03A	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-03B	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-03C	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-03D	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-03E	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-03F	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-03G	Plastic 120ml unpreserved	B	NA		4.5	Y	Absent		ALK-T-2320(14)
L1922928-03H	Plastic 250ml unpreserved	B	7	7	4.5	Y	Absent		-
L1922928-03I	Plastic 250ml HNO3 preserved	B	<2	<2	4.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1922928-03J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L1922928-03K	Plastic 950ml unpreserved	B	7	7	4.5	Y	Absent		CL-300(28),BOD-5210(2)
L1922928-03L	Amber 1000ml Na2S2O3	B	7	7	4.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-03M	Amber 1000ml Na2S2O3	B	7	7	4.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-03N	Amber 1000ml H2SO4 preserved	B	2	2	4.5	Y	Absent		SUB-TOX(28)
L1922928-03X	Plastic 250ml HNO3 preserved Filtrates	B	NA		4.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-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),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1922928-04A	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-04B	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-04C	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-04D	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-04E	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(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(*)
L1922928-04F	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-04G	Plastic 120ml unpreserved	E	NA		2.8	Y	Absent		ALK-T-2320(14)
L1922928-04H	Plastic 250ml unpreserved	E	7	7	2.8	Y	Absent		-
L1922928-04I	Plastic 250ml HNO3 preserved	E	<2	<2	2.8	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1922928-04J	Plastic 250ml H2SO4 preserved	E	<2	<2	2.8	Y	Absent		COD-410-LOW(28)
L1922928-04K	Plastic 950ml unpreserved	E	7	7	2.8	Y	Absent		CL-300(28),BOD-5210(2)
L1922928-04L	Amber 1000ml Na2S2O3	E	7	7	2.8	Y	Absent		NYPCB-608-1200ML(7)
L1922928-04M	Amber 1000ml Na2S2O3	E	7	7	2.8	Y	Absent		NYPCB-608-1200ML(7)
L1922928-04N	Amber 1000ml H2SO4 preserved	E	2	2	2.8	Y	Absent		SUB-TOX(28)
L1922928-04X	Plastic 250ml HNO3 preserved Filtrates	E	NA		2.8	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-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),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1922928-05A	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-05B	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-05C	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-05D	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-05E	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-05F	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-05G	Plastic 120ml unpreserved	D	NA		2.5	Y	Absent		ALK-T-2320(14)
L1922928-05H	Plastic 250ml unpreserved	D	7	7	2.5	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: FRITO-LAY BROOKLYN
Project Number: 8616480

Lab Number: L1922928
Report Date: 06/17/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1922928-05I	Plastic 250ml HNO3 preserved	D	<2	<2	2.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1922928-05J	Plastic 250ml H2SO4 preserved	D	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L1922928-05K	Plastic 950ml unpreserved	D	7	7	2.5	Y	Absent		CL-300(28),BOD-5210(2)
L1922928-05L	Amber 1000ml Na2S2O3	D	7	7	2.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-05M	Amber 1000ml Na2S2O3	D	7	7	2.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-05N	Amber 1000ml H2SO4 preserved	D	2	2	2.5	Y	Absent		SUB-TOX(28)
L1922928-05X	Plastic 250ml HNO3 preserved Filtrates	D	NA		2.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-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),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1922928-06A	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-06A1	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-06A2	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-06B	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-06B1	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-06B2	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-06C	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-06C1	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-06C2	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-06D	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-06D1	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-06D2	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-06E	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(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(*)
L1922928-06E1	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-06E2	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-06F	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-06F1	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-06F2	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-06G	Plastic 120ml unpreserved	D	NA		2.5	Y	Absent		ALK-T-2320(14)
L1922928-06G1	Plastic 120ml unpreserved	A	NA		2.4	Y	Absent		ALK-T-2320(14)
L1922928-06G2	Plastic 120ml unpreserved	A	NA		2.4	Y	Absent		ALK-T-2320(14)
L1922928-06H	Plastic 250ml unpreserved	D	7	7	2.5	Y	Absent		-
L1922928-06H1	Plastic 250ml unpreserved	A	7	7	2.4	Y	Absent		-
L1922928-06H2	Plastic 250ml unpreserved	A	7	7	2.4	Y	Absent		-
L1922928-06I	Plastic 250ml HNO3 preserved	D	<2	<2	2.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1922928-06I1	Plastic 250ml HNO3 preserved	A	<2	<2	2.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1922928-06I2	Plastic 250ml HNO3 preserved	A	<2	<2	2.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1922928-06J	Plastic 250ml H2SO4 preserved	D	<2	<2	2.5	Y	Absent		COD-410-LOW(28)
L1922928-06J1	Plastic 250ml H2SO4 preserved	A	<2	<2	2.4	Y	Absent		COD-410-LOW(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(*)
L1922928-06J2	Plastic 250ml H2SO4 preserved	A	<2	<2	2.4	Y	Absent		COD-410-LOW(28)
L1922928-06K	Plastic 950ml unpreserved	D	7	7	2.5	Y	Absent		CL-300(28),BOD-5210(2)
L1922928-06K1	Plastic 950ml unpreserved	A	7	7	2.4	Y	Absent		CL-300(28),BOD-5210(2)
L1922928-06K2	Plastic 950ml unpreserved	A	7	7	2.4	Y	Absent		CL-300(28),BOD-5210(2)
L1922928-06L	Amber 1000ml Na2S2O3	D	7	7	2.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-06L1	Amber 1000ml Na2S2O3	A	7	7	2.4	Y	Absent		NYPCB-608-1200ML(7)
L1922928-06L2	Amber 1000ml Na2S2O3	A	7	7	2.4	Y	Absent		NYPCB-608-1200ML(7)
L1922928-06M	Amber 1000ml Na2S2O3	D	7	7	2.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-06M1	Amber 1000ml Na2S2O3	A	7	7	2.4	Y	Absent		NYPCB-608-1200ML(7)
L1922928-06M2	Amber 1000ml Na2S2O3	A	7	7	2.4	Y	Absent		NYPCB-608-1200ML(7)
L1922928-06N	Amber 1000ml H2SO4 preserved	D	2	2	2.5	Y	Absent		SUB-TOX(28)
L1922928-06N1	Amber 1000ml H2SO4 preserved	A	2	2	2.4	Y	Absent		SUB-TOX(28)
L1922928-06N2	Amber 1000ml H2SO4 preserved	A	2	2	2.4	Y	Absent		SUB-TOX(28)
L1922928-06X	Plastic 250ml HNO3 preserved Filtrates	D	NA		2.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-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),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1922928-06X1	Plastic 250ml HNO3 preserved Filtrates	A	NA		2.4	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-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),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1922928-06X2	Plastic 250ml HNO3 preserved Filtrates	A	NA		2.4	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-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),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(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(*)
L1922928-07A	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-07B	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-07C	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-07D	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-07E	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-07F	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-07G	Plastic 120ml unpreserved	B	NA		4.5	Y	Absent		ALK-T-2320(14)
L1922928-07H	Plastic 250ml unpreserved	B	7	7	4.5	Y	Absent		-
L1922928-07I	Plastic 250ml HNO3 preserved	B	<2	<2	4.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1922928-07J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L1922928-07K	Plastic 950ml unpreserved	B	7	7	4.5	Y	Absent		CL-300(28),BOD-5210(2)
L1922928-07L	Amber 1000ml Na2S2O3	B	7	7	4.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-07M	Amber 1000ml Na2S2O3	B	7	7	4.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-07N	Amber 1000ml H2SO4 preserved	B	2	2	4.5	Y	Absent		SUB-TOX(28)
L1922928-07X	Plastic 250ml HNO3 preserved Filtrates	B	NA		4.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-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),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1922928-08A	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-08B	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-08C	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260-R2(14)
L1922928-08D	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-08E	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(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(*)
L1922928-08F	Vial H2SO4 preserved	B	NA		4.5	Y	Absent		TOC-5310(28)
L1922928-08G	Plastic 120ml unpreserved	B	NA		4.5	Y	Absent		ALK-T-2320(14)
L1922928-08H	Plastic 250ml unpreserved	B	7	7	4.5	Y	Absent		-
L1922928-08I	Plastic 250ml HNO3 preserved	B	<2	<2	4.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1922928-08J	Plastic 250ml H2SO4 preserved	B	<2	<2	4.5	Y	Absent		COD-410-LOW(28)
L1922928-08K	Plastic 950ml unpreserved	B	7	7	4.5	Y	Absent		CL-300(28),BOD-5210(2)
L1922928-08L	Amber 1000ml Na2S2O3	B	7	7	4.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-08M	Amber 1000ml Na2S2O3	B	7	7	4.5	Y	Absent		NYPCB-608-1200ML(7)
L1922928-08N	Amber 1000ml H2SO4 preserved	B	2	2	4.5	Y	Absent		SUB-TOX(28)
L1922928-08X	Plastic 250ml HNO3 preserved Filtrates	B	NA		4.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-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),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1922928-09A	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260(14)
L1922928-09B	Vial HCl preserved	B	NA		4.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	FRITO-LAY BROOKLYN	**Lab Number:**	L1922928
Project Number:	8616480	**Report Date:**	06/17/19

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: DU Report with 'J' Qualifiers

Project Name:	FRITO-LAY BROOKLYN	**Lab Number:**	L1922928
Project Number:	8616480	**Report Date:**	06/17/19

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.

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.

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 Condensation Product".

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.

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. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. 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 method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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 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: DU Report with 'J' Qualifiers

Project Name:	FRITO-LAY BROOKLYN	**Lab Number:**	L1922928
Project Number:	8616480	**Report Date:**	06/17/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

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.
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**
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.

Next 5

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: 5/31/19

ALPHA Job #: L1922928

Client Information
Client: GHD
Address:
Phone:
Fax:
Email:

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

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

Billing Information
☐ Same as Client Info
PO #

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.

ANALYSIS

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-TCL PCB-608.3	Diss. Metals (Hg)	BOD-5210 CL	TKN / Hg / TKN / Metals	COD	ALK-83-2320	NITCL-8260	TOC	Sample Specific Comments	Total Bottle
22928-01	WG-8616480-053019-BR-001	5/30/19	0630	WG	BKP	12	1	1	1	1	1	3	3		14
-02	002		0720	WG	BKP	12	1	1	1	1	1	3	3		14
-03	003		0830	WG	BKP	12	1	1	1	1	1	3	3		14
-04	004		0900	WG	BKP	12	1	1	1	1	1	3	3		14
-05	005		1230	WG	BKP	12	1	1	1	1	1	3	3		14
-06	006		1100	WG	BKP	36	3	3	3	3	3	9	9	-MS/MSD	42
-07	007		1315	WG	BKP	12	1	1	1	1	1	3	3		14
-08	008		1440	WG	BKP	12	1	1	1	1	1	3	1		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
	5/30/19 1625		5-30-19 1625
	5-30-19 2025		
		Wendy Mooney	5/31/19 08:45

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)

ALPHA ANALYTICAL
World Class Chemistry

Subcontract Chain of Custody

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

Alpha Job Number
L1922928

Client Information

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

Phone: 716-427-5223
Email: cfox@alphalab.com

Project Information

Project Location: NY
Project Manager: Candace Fox

Turnaround & Deliverables Information

Due Date: 06/11/19
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: L1922928

Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com MS/MSD on sample -06

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
	WG-8616480-053019-BP-001	05-30-19 06:30	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-053019-BP-002	05-30-19 07:20	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-053019-BP-003	05-30-19 08:30	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-053019-BP-004	05-30-19 09:00	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-053019-BP-005	05-30-19 12:30	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-053019-BP-006	05-30-19 11:00	WATER	Extractable Organic Halogens (Halides)	MS;MSD
	WG-8616480-053019-BP-007	05-30-19 13:15	WATER	Extractable Organic Halogens (Halides)	
	WG-8616480-053019-BP-008	05-30-19 14:40	WATER	Extractable Organic Halogens (Halides)	

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	AAL	6/3/19		
Form No: AL_subcoc				

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

June 14, 2019

Results
Alpha Analytical
145 Flanders Road
Westborough, MA 01581

Certificate of Analysis

Project Name:	**General Price Sheet**	Workorder:	**3037336**
Purchase Order:		Workorder ID:	**L1922928**

Dear Results:

Enclosed are the analytical results for samples received by the laboratory on Tuesday, June 4, 2019.

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. Shannon Butler (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.

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.

Shannon Butler

Ms. Shannon Butler
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: 3037336 L1922928

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
3037336001	WG-8616480-053019-BP-001	Water	5/30/2019 06:30	6/4/2019 10:10	Collected by Client
3037336002	WG-8616480-053019-BP-002	Water	5/30/2019 07:20	6/4/2019 10:10	Collected by Client
3037336003	WG-8616480-053019-BP-003	Water	5/30/2019 08:30	6/4/2019 10:10	Collected by Client
3037336004	WG-8616480-053019-BP-004	Water	5/30/2019 09:00	6/4/2019 10:10	Collected by Client
3037336005	WG-8616480-053019-BP-005	Water	5/30/2019 12:30	6/4/2019 10:10	Collected by Client
3037336006	WG-8616480-053019-BP-006	Water	5/30/2019 11:00	6/4/2019 10:10	Collected by Client
3037336007	WG-8616480-053019-BP-007	Water	5/30/2019 13:15	6/4/2019 10:10	Collected by Client
3037336008	WG-8616480-053019-BP-008	Water	5/30/2019 14:40	6/4/2019 10:10	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: 3037336 L1922928

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

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3037336 L1922928

Lab ID: **3037336001** Date Collected: 5/30/2019 06:30 Matrix: Water
Sample ID: **WG-8616480-053019-BP-001** Date Received: 6/4/2019 10:10

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	52.4		ug/L	20.0	7.3	SW846 9020B		6/13/19 10:56	PAG	A

Shannon Butler

Ms. Shannon Butler
Project Coordinator

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ANALYTICAL RESULTS

Workorder: 3037336 L1922928

Lab ID: **3037336002** Date Collected: 5/30/2019 07:20 Matrix: Water
Sample ID: **WG-8616480-053019-BP-002** Date Received: 6/4/2019 10:10

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	32.6		ug/L	20.0	7.3	SW846 9020B		6/13/19 11:25	PAG	A

Shannon Butler
Ms. Shannon Butler
Project Coordinator

ALS Environmental

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3037336 L1922928

Lab ID: **3037336003** Date Collected: 5/30/2019 08:30 Matrix: Water
Sample ID: **WG-8616480-053019-BP-003** Date Received: 6/4/2019 10:10

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	30.0		ug/L	20.0	7.3	SW846 9020B		6/13/19 11:59	PAG	A

Shannon Butler

Ms. Shannon Butler
Project Coordinator

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3037336 L1922928

Lab ID: **3037336004** Date Collected: 5/30/2019 09:00 Matrix: Water
Sample ID: **WG-8616480-053019-BP-004** Date Received: 6/4/2019 10:10

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	29.1		ug/L	20.0	7.3	SW846 9020B		6/13/19 12:30	PAG	A

Shannon Butler

Ms. Shannon Butler
Project Coordinator

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3037336 L1922928

Lab ID: **3037336005** Date Collected: 5/30/2019 12:30 Matrix: Water
Sample ID: **WG-8616480-053019-BP-005** Date Received: 6/4/2019 10:10

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	27.0		ug/L	20.0	7.3	SW846 9020B		6/13/19 13:43	PAG	A

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Ms. Shannon Butler
Project Coordinator

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3037336 L1922928

Lab ID: **3037336006** Date Collected: 5/30/2019 11:00 Matrix: Water
Sample ID: **WG-8616480-053019-BP-006** Date Received: 6/4/2019 10:10

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	28.0		ug/L	20.0	7.3	SW846 9020B		6/13/19 14:15	PAG	A

Shannon Butler
Ms. Shannon Butler
Project Coordinator

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3037336 L1922928

Lab ID: **3037336007** Date Collected: 5/30/2019 13:15 Matrix: Water
Sample ID: **WG-8616480-053019-BP-007** Date Received: 6/4/2019 10:10

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	111		ug/L	20.0	7.3	SW846 9020B		6/13/19 15:05	PAG	A

Shannon Butler
Ms. Shannon Butler
Project Coordinator

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYTICAL RESULTS

Workorder: 3037336 L1922928

Lab ID: **3037336008** Date Collected: 5/30/2019 14:40 Matrix: Water
Sample ID: **WG-8616480-053019-BP-008** Date Received: 6/4/2019 10:10

Parameters	Results	Flag	Units	RDL	MDL	Method	Prepared By	Analyzed	By	*Cntr*
WET CHEMISTRY										
Halogen, Total Organic (TOX)	61.9		ug/L	20.0	7.3	SW846 9020B		6/13/19 15:37	PAG	A

Shannon Butler
Ms. Shannon Butler
Project Coordinator

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

ANALYSIS - PREP METHOD CROSS REFERENCE TABLE

Workorder: 3037336 L1922928

Lab ID	Sample ID	Analysis Method	Prep Method
3037336001	WG-8616480-053019-BP-001	SW846 9020B	
3037336002	WG-8616480-053019-BP-002	SW846 9020B	
3037336003	WG-8616480-053019-BP-003	SW846 9020B	
3037336004	WG-8616480-053019-BP-004	SW846 9020B	
3037336005	WG-8616480-053019-BP-005	SW846 9020B	
3037336006	WG-8616480-053019-BP-006	SW846 9020B	
3037336007	WG-8616480-053019-BP-007	SW846 9020B	
3037336008	WG-8616480-053019-BP-008	SW846 9020B	

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State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343

QUALITY CONTROL DATA

Workorder: 3037336 L1922928

QC Batch: WETC/223091 **Analysis Method:** SW846 9020B

QC Batch Method: SW846 9020B

Associated Lab Samples: 3037336001, 3037336002, 3037336003, 3037336004, 3037336005, 3037336006, 3037336007, 3037336008

METHOD BLANK: 2963230

Parameter	Blank Result	Units	Reporting Limit
Halogen, Total Organic (TOX)	10.0 U	ug/L	10.0

LABORATORY CONTROL SAMPLE: 2963231

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Halogen, Total Organic (TOX)	103	ug/L	100	103	80 - 120

LABORATORY CONTROL SAMPLE: 2963232

Parameter	LCS % Rec	Units	Spike Conc.	LCS Result	% Rec Limit
Halogen, Total Organic (TOX)	105	ug/L	100	105	80 - 120

METHOD BLANK: 2963234

Parameter	Blank Result	Units	Reporting Limit
Halogen, Total Organic (TOX)	10.0 U	ug/L	10.0

MATRIX SPIKE: 2963595 DUPLICATE: 2963596 ORIGINAL: 3037336006

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Parameter	Original Result	Units	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD
Halogen, Total Organic (TOX)	28	ug/L	200	242.52	246.94	107	109	80 - 120	1.81	20

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 3037336 L1922928

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
3037336001	WG-8616480-053019-BP-001			SW846 9020B	WETC/223091
3037336002	WG-8616480-053019-BP-002			SW846 9020B	WETC/223091
3037336003	WG-8616480-053019-BP-003			SW846 9020B	WETC/223091
3037336004	WG-8616480-053019-BP-004			SW846 9020B	WETC/223091
3037336005	WG-8616480-053019-BP-005			SW846 9020B	WETC/223091
3037336006	WG-8616480-053019-BP-006			SW846 9020B	WETC/223091
3037336007	WG-8616480-053019-BP-007			SW846 9020B	WETC/223091
3037336008	WG-8616480-053019-BP-008			SW846 9020B	WETC/223091

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ALS Environmental (PA)
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3037336

3037336
Alpha Job Number
L1922928

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Alpha Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Phone: 716-427-5223 Email: cfox@alphalab.com	Project Location: NY Project Manager: Candace Fox **Turnaround & Deliverables Information** Due Date: 06/11/19 Deliverables:	State/Federal Program: Regulatory Criteria:

Project Specific Requirements and/or Report Requirements

Reference following Alpha Job Number on final report/deliverables: L1922928

Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com MS/MSD on sample -06

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
	WG-8616480-053019-BP-001	05-30-19 06:30	WATER	Extractable Organic Halogens (Halides) x 1	
	WG-8616480-053019-BP-002	05-30-19 07:20	WATER	Extractable Organic Halogens (Halides) x 1	
	WG-8616480-053019-BP-003	05-30-19 08:30	WATER	Extractable Organic Halogens (Halides) x 1	
	WG-8616480-053019-BP-004	05-30-19 09:00	WATER	Extractable Organic Halogens (Halides) x 1	
	WG-8616480-053019-BP-005	05-30-19 12:30	WATER	Extractable Organic Halogens (Halides) x 1	
	WG-8616480-053019-BP-006	05-30-19 11:00	WATER	Extractable Organic Halogens (Halides) x 3	MS;MSD
	WG-8616480-053019-BP-007	05-30-19 13:15	WATER	Extractable Organic Halogens (Halides) x 1	
	WG-8616480-053019-BP-008	05-30-19 14:40	WATER	Extractable Organic Halogens (Halides) x 1 qw 6/4/19	

	Relinquished By:	Date/Time:	Received By:	Date/Time:
	AAL	6/3/19	UPS	
	UPS		qw PKG	6/4/19 1010
Form No: AL_subcoc				

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Middletown, PA 17057
P: (717) 944-5541
F: (717) 944-1430

Condition of Sample Receipt Form

Client:	Work Order #:	Initials:	Date:
Alpha Analytical	3037336	PO	6/4/19

1. Were airbills / tracking numbers present and recorded?	NONE	(YES)	NO
Tracking number: 1ZE30654 01 9868 9194			
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?		YES	(NO)
5d. Does the COC note the type(s) of preservation for all bottles?		(YES)	NO
5e. Does the COC note the number of bottles submitted for each sample?		YES	(NO)
5f. Does the COC note the type of sample, composite or grab?		(YES)	NO
5g. Does the COC note the matrix of the sample(s)?		(YES)	NO
6. Are all aqueous samples requiring preservation preserved correctly?	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 0.0-6.0°C		(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 (°C):	1°C							
Thermometer ID:	401							
Radiological (µCi):								

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

Collected by client.

Bottle counts added to COC

Rev. 4/29/2019

Attachment B
Groundwater Field Sampling Logs

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site **Date:** 5/30/2019 **Project #:** 86-16480

Sampler(s): BP **Sample ID:** MW-1 **Sample Time:** 11:00

Well Information:

Depth of Well (Top of PVC):	16.93	ft
Initial Static Water Level (Top of PVC):	9.41	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:	7.52	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:	X
Airlift:		Pos. Displ.:	
Bailer:		Ded. Pump:	

Volume of Water Removed: 1.65 gallons

Dry: yes no

Field Tests:

		Units:			Units:
Temperature:	11.0	°C	pH:	6.5	units
Salinity:		%	ORP:	-151	mV
Spec. Cond.:	1.9	mS/cm	Turbidity:	19.0	NTU
Diss. Oxygen:	0.04	mg/L	PID:	0.0	ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	X
Ded. Pump:	
Other:	X Centrifugal 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, at 11:20 and 11:25 water became clear with no recorded odor.

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

MS/MSD taken at this location at 11:00

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site | **Date:** 5/30/2019 | **Project #:** 86-16480

Sampler(s): BP | **Sample ID:** MW-2R | **Sample Time:** 8:30

Well Information:

Depth of Well (Top of PVC):	17.95	ft
Initial Static Water Level (Top of PVC):	10.19	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:	7.76	ft. of water x .16 =	1.24 gallons
3 in. Casing:		ft. of water x .36 =	gallons
4 in. Casing:		ft. of water x .64 =	gallons

Evacuation Method:

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

Volume of Water Removed: 1.65 gallons

Dry: yes | no

Field Tests:

		Units:			Units:
Temperature:	11.8	°C	pH:	6.72	units
Salinity:		%	ORP:	-144	mV
Spec. Cond.:	1.97	mS/cm	Turbidity:	7.0	NTU
Diss. Oxygen:	0.19	mg/L	PID:	0.0	ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	X
Ded. Pump:	
Other:	X Centrifugal 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: Sloghtly cloudy, light brown, 8:30-9:10. From 9:15 on water was clear. No odor recorded.

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

Duplicate sample taken here at 8:30

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site | **Date:** 5/30/2019 | **Project #:** 86-16480

Sampler(s): BP | **Sample ID:** MW-4 | **Sample Time:** 12:30

Well Information:

Depth of Well (Top of PVC):	16.6	ft
Initial Static Water Level (Top of PVC):	9.9	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:	6.7	ft. of water x .16 =	1.07	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

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

Volume of Water Removed: 1.65 gallons

Dry: yes | no

Field Tests:

		Units:		Units:
Temperature:	18.2	°C	pH: 7.18	units
Salinity:		%	ORP: -135.0	mV
Spec. Cond.:	3.63	mS/cm	Turbidity: 21.0	NTU
Diss. Oxygen:	7.44	mg/L	PID: 0.1	ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	X
Ded. Pump:	
Other:	X Centrifugal 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: Slightly cloudy, light brown, 12:30-12:40. From 12:45 on water was clear. No odor recorded.

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

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site **Date:** 5/30/2019 **Project #:** 86-16480

Sampler(s): BP **Sample ID:** MW-5 **Sample Time:** 6:30

Well Information:

Depth of Well (Top of PVC):	18.7	ft
Initial Static Water Level (Top of PVC):	10.76	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:	7.94	ft. of water x .16 =	1.27	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

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

Volume of Water Removed: 1.65 gallons

Dry: yes no

Field Tests:

		Units:			Units:
Temperature:	11	°C	pH:	6.88	units
Salinity:		%	ORP:	-155.0	mV
Spec. Cond.:	4.32	mS/cm	Turbidity:	21.0	NTU
Diss. Oxygen:	0.06	mg/L	PID:	0.4	ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	X
Ded. Pump:	
Other:	X Centrifugal 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: Slightly couldy, light brown, slight odor, 6:30-6:35. From 6:40 on water was clear with a very slight odor.

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

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site **Date:** 5/30/2019 **Project #:** 86-16480

Sampler(s): BP **Sample ID:** MW-6 **Sample Time:** 7:20

Well Information:

Depth of Well (Top of PVC):	17.1	ft
Initial Static Water Level (Top of PVC):	10.13	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:	6.97	ft. of water x .16 =	1.12	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

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

Volume of Water Removed: 1.65 gallons

Dry: yes no

Field Tests:

		Units:			Units:
Temperature:	11.60	°C	pH:	6.88	units
Salinity:		%	ORP:	-77.0	mV
Spec. Cond.:	3.86	mS/cm	Turbidity:	14.0	NTU
Diss. Oxygen:	0.54	mg/L	PID:	3.9	ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	X
Ded. Pump:	
Other:	X Centrifugal 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: Slightly cloudy, light brown, strong odor, 7:20-7:25. From 7:30 on water was clear with strong odor.

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

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site | **Date:** 5/30/2019 | **Project #:** 86-16480

Sampler(s): BP | **Sample ID:** MW-7 | **Sample Time:** 14:40

Well Information:

Depth of Well (Top of PVC):	15.45	ft
Initial Static Water Level (Top of PVC):	8.11	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:	7.34	ft. of water x .16 =	1.17	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

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

Volume of Water Removed: 1.65 gallons

Dry: yes | no

Field Tests:

		Units:		Units:
Temperature:	14.8	°C	pH:	6.38 units
Salinity:		%	ORP:	-156 mV
Spec. Cond.:	0.900	mS/cm	Turbidity:	198.0 NTU
Diss. Oxygen:	0.34	mg/L	PID:	0.0 ppm

Sampling Method:

Stainless Bailer:	
Teflon Bailer:	
Pos. Disp. Pump:	
Dis. Bailer:	X
Ded. Pump:	
Other:	X Centrifugal 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, light brown, with a slight odor.

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

Groundwater Field Sampling Log

Site Name: 202-218 Morgan Avenue BCP Site | **Date:** 5/30/2019 | **Project #:** 86-16480

Sampler(s): BP | **Sample ID:** MW-8 | **Sample Time:** 13:15

Well Information:

Depth of Well (Top of PVC):	14.6	ft
Initial Static Water Level (Top of PVC):	8.4	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:	6.2	ft. of water x .16 =	0.99	gallons
3 in. Casing:		ft. of water x .36 =		gallons
4 in. Casing:		ft. of water x .64 =		gallons

Evacuation Method:

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

Volume of Water Removed: 1.65 gallons

Dry: yes | no

Field Tests:

		Units:		Units:
Temperature:	13.1	°C	pH:	6.81 units
Salinity:		%	ORP:	-101 mV
Spec. Cond.:	3.54	mS/cm	Turbidity:	92.0 NTU
Diss. Oxygen:	0.00	mg/L	PID:	0.0 ppm

Sampling Method:

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

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

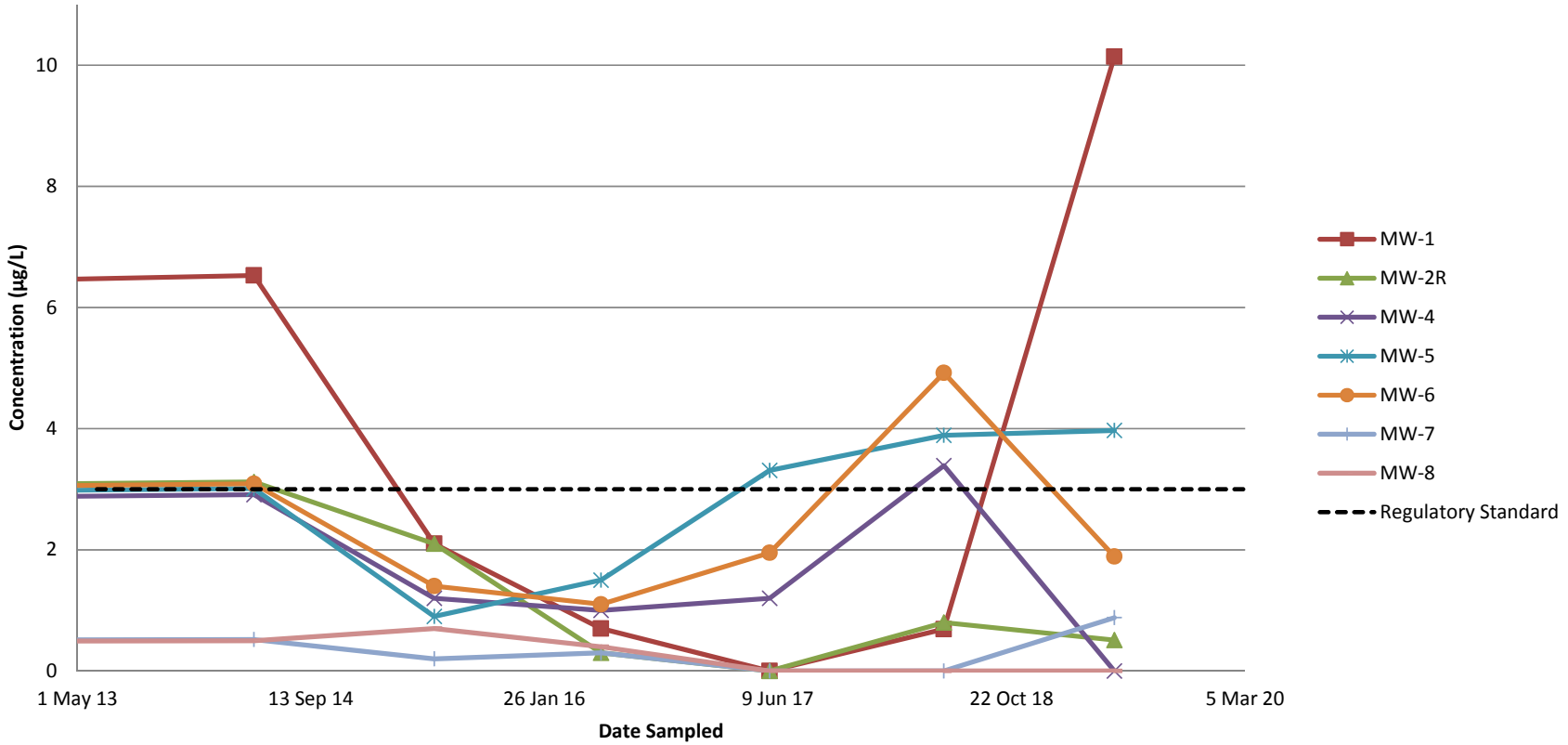
Observations:

Weather:

Physical Appearance and Odor of Sample: Water was cloudy, brown, with a slight odor, 13:15-13:20. From 13:25-13:30 water was slightly cloudy, light brown, with slight odor. From 13:35-13:40 water was slightly cloudy, very light brown, with a slight odor.

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

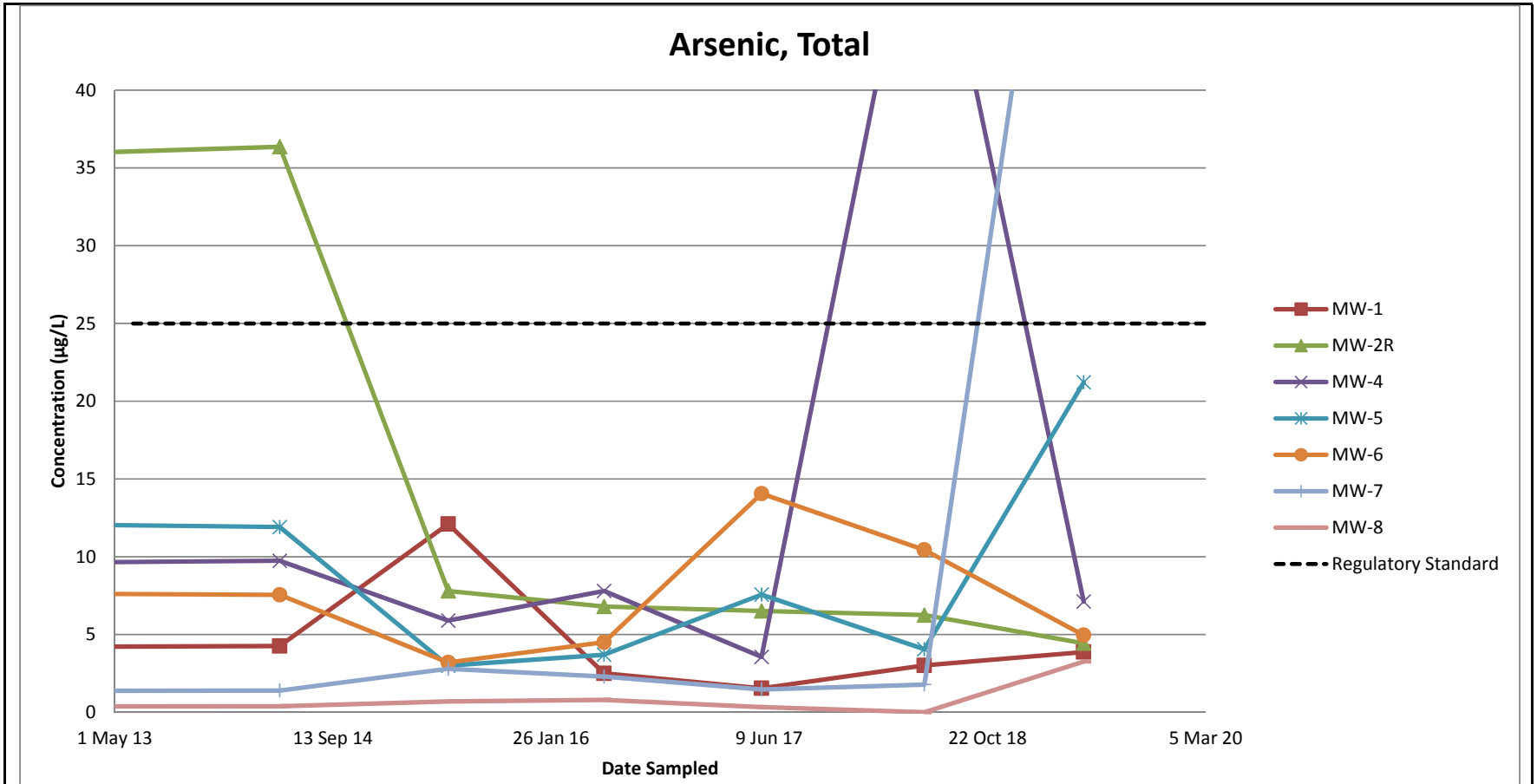
Attachment C
Time Series Plots



Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: May 19	Drawn: IEM
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	



Attachment C - Time Series Plots

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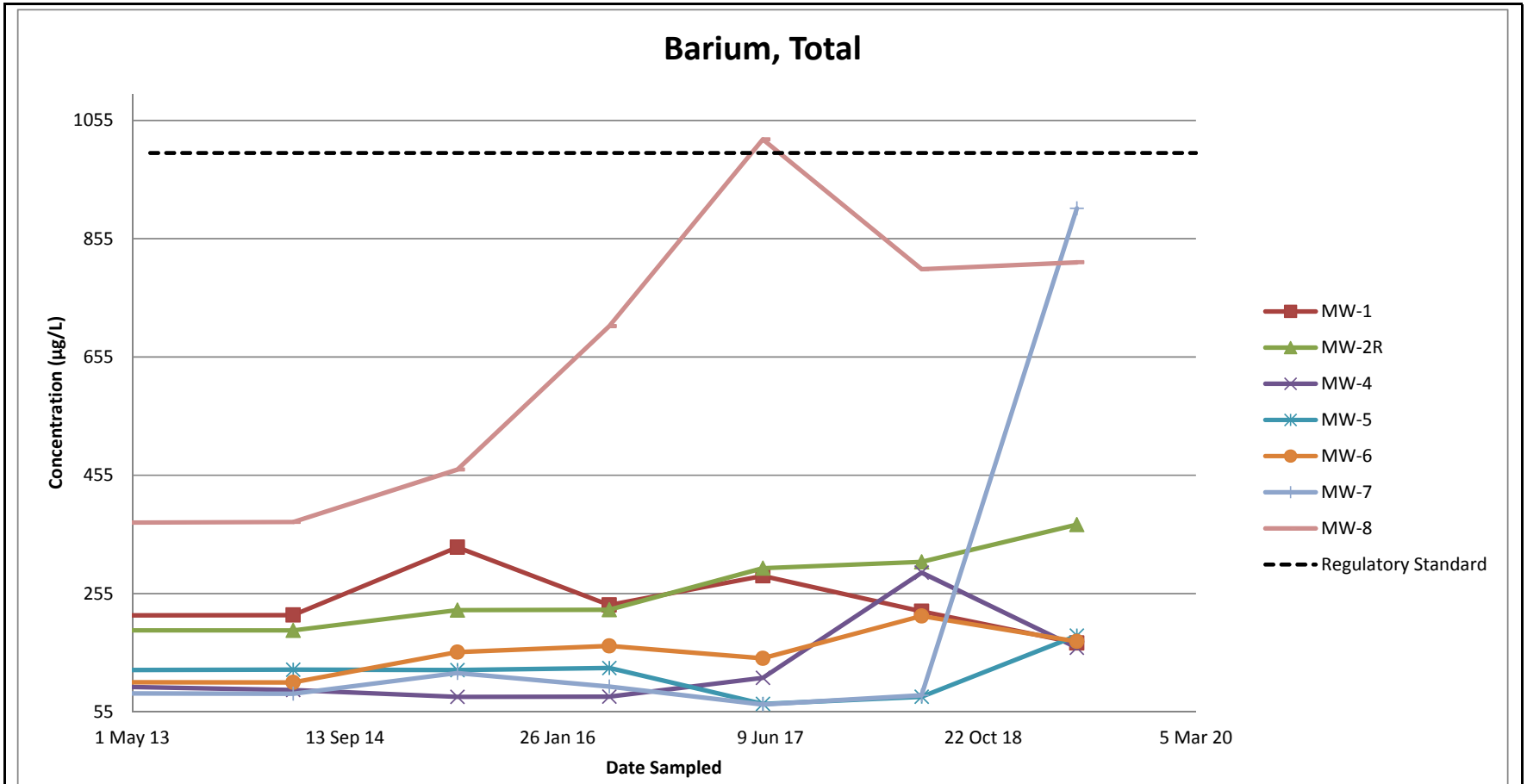

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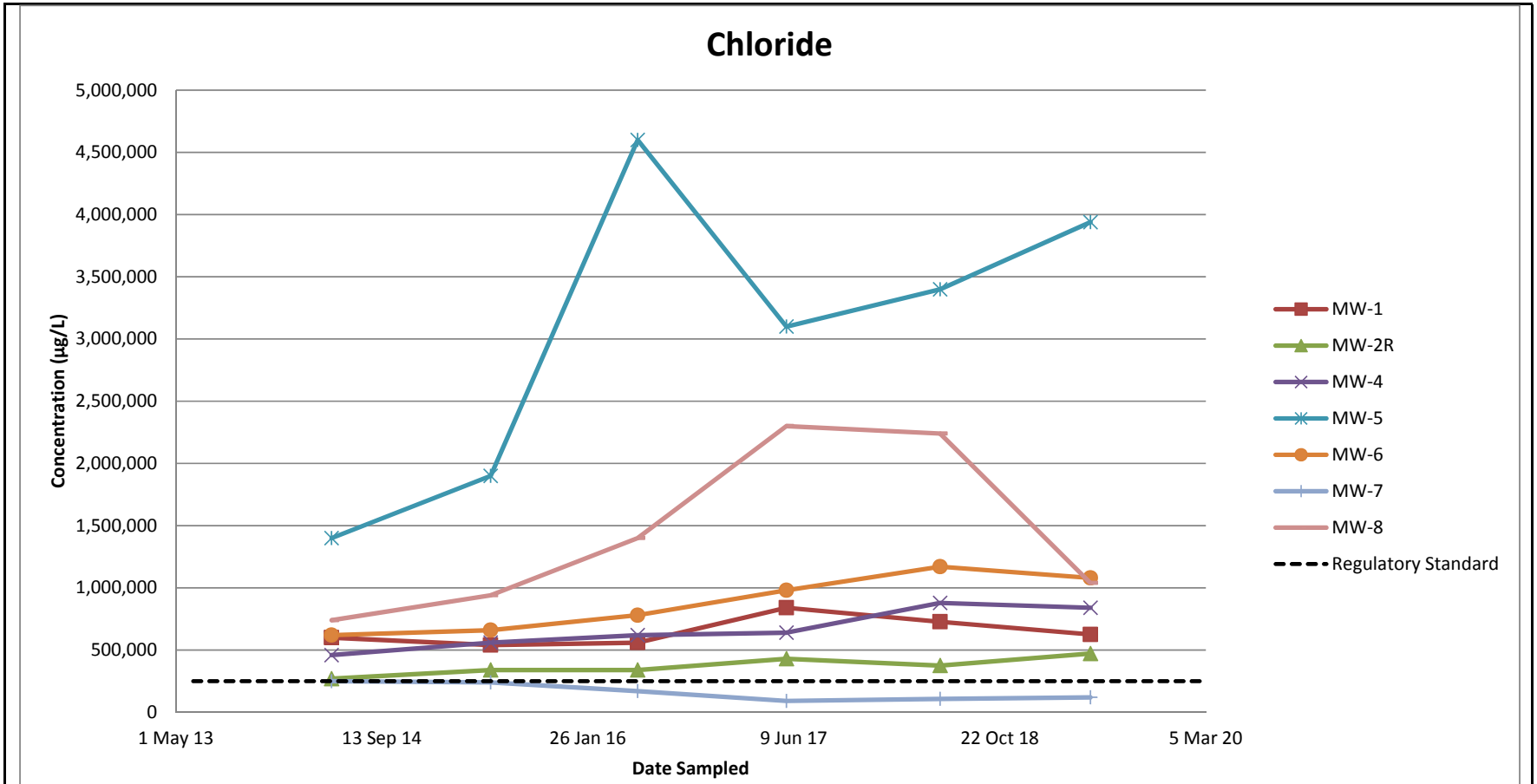

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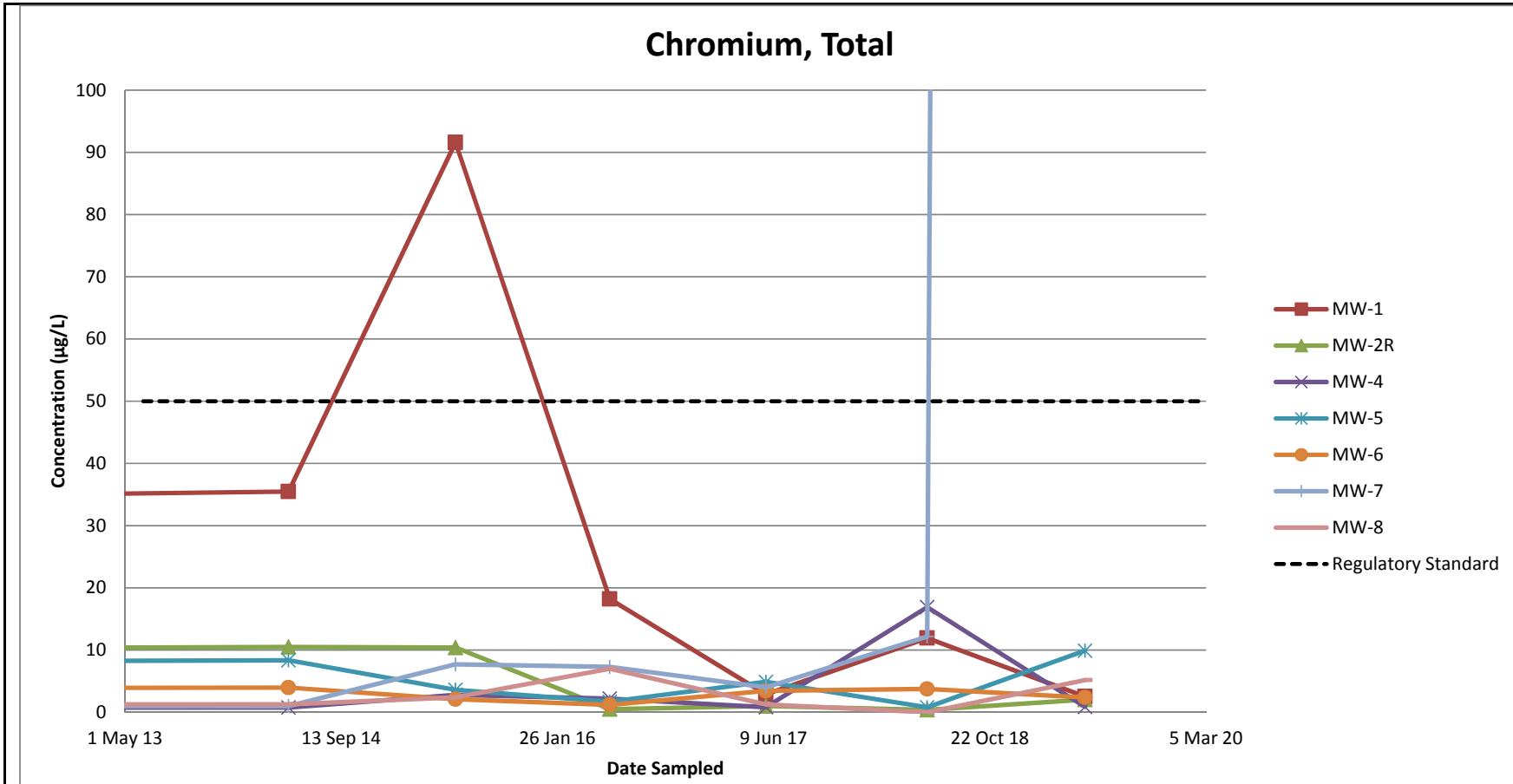

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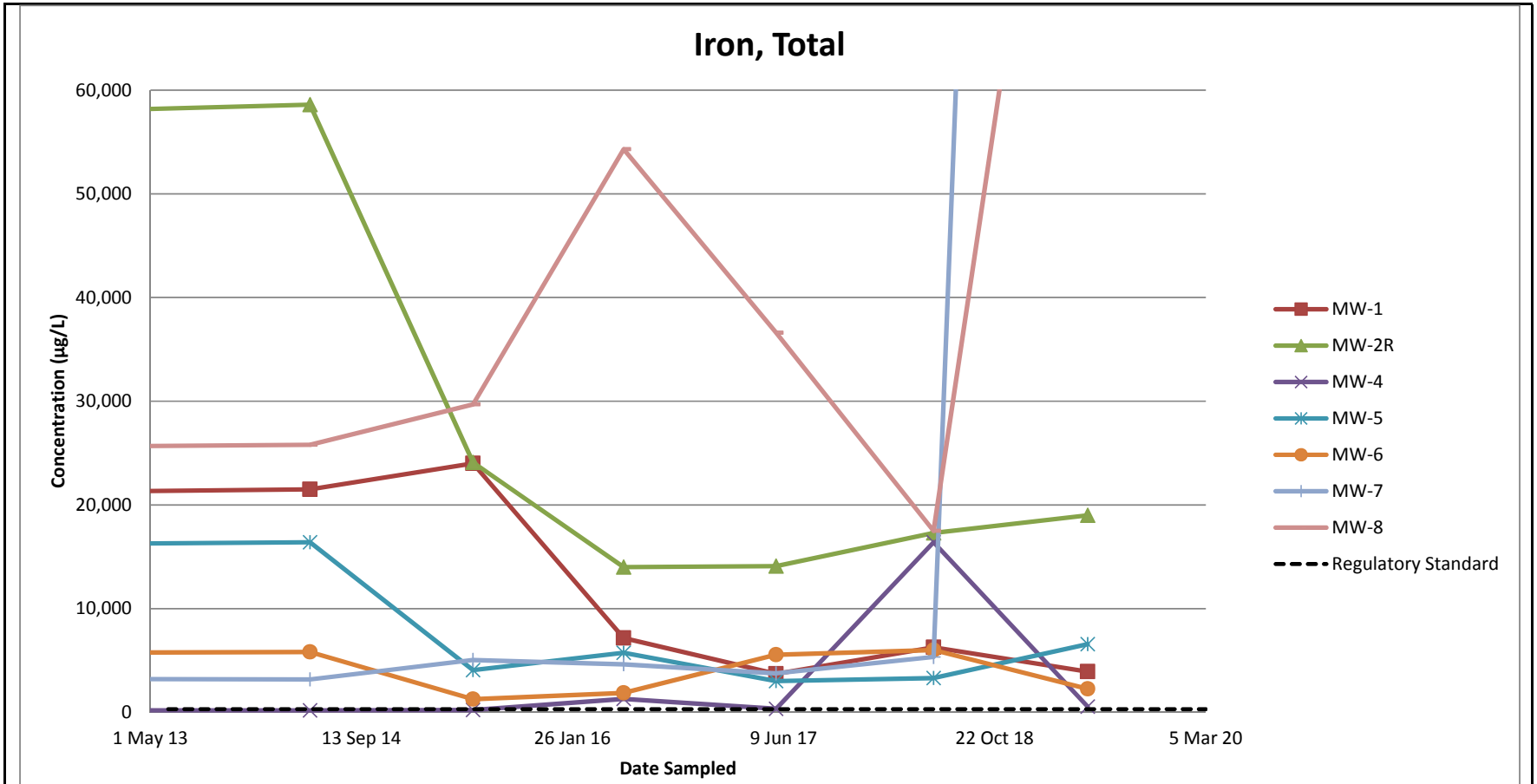

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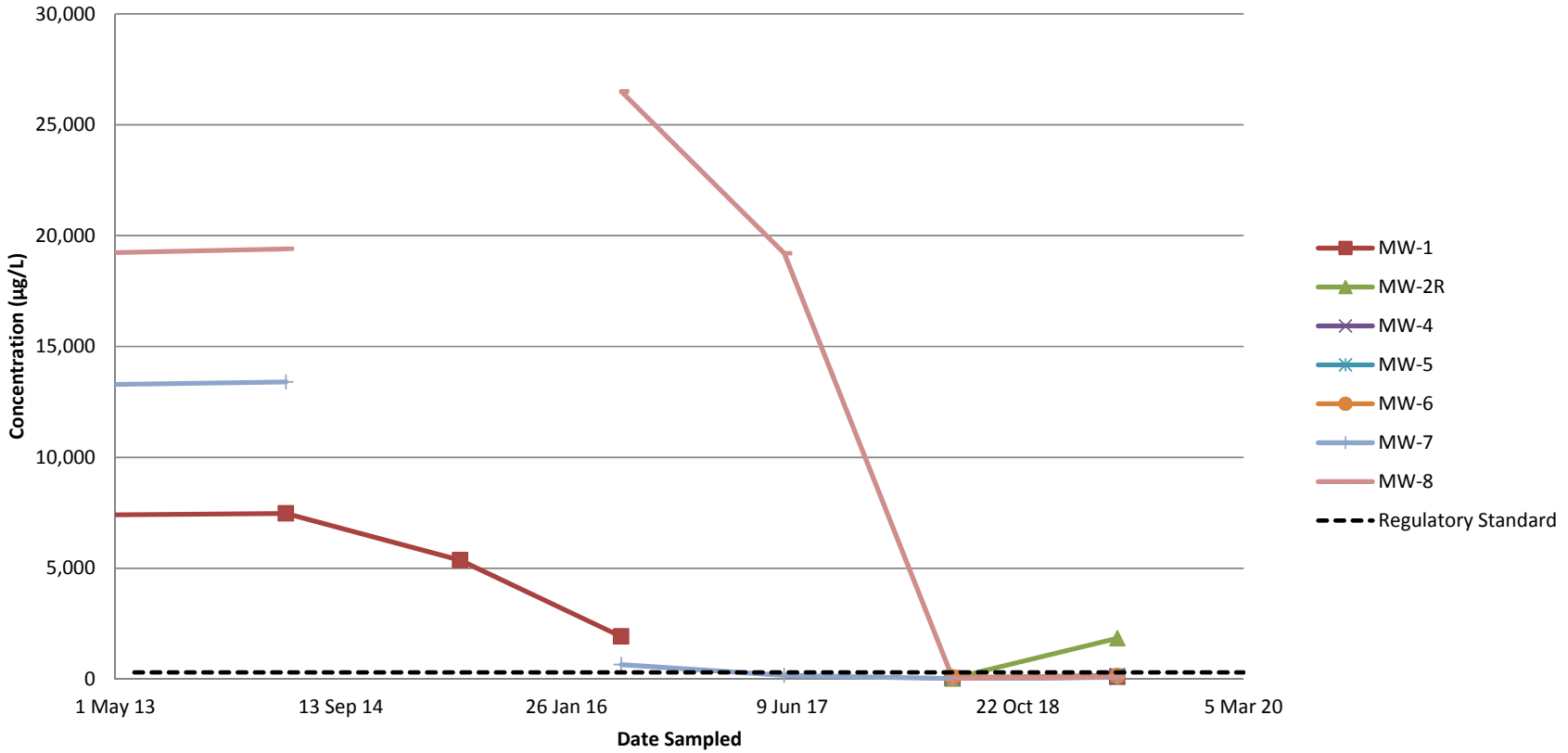

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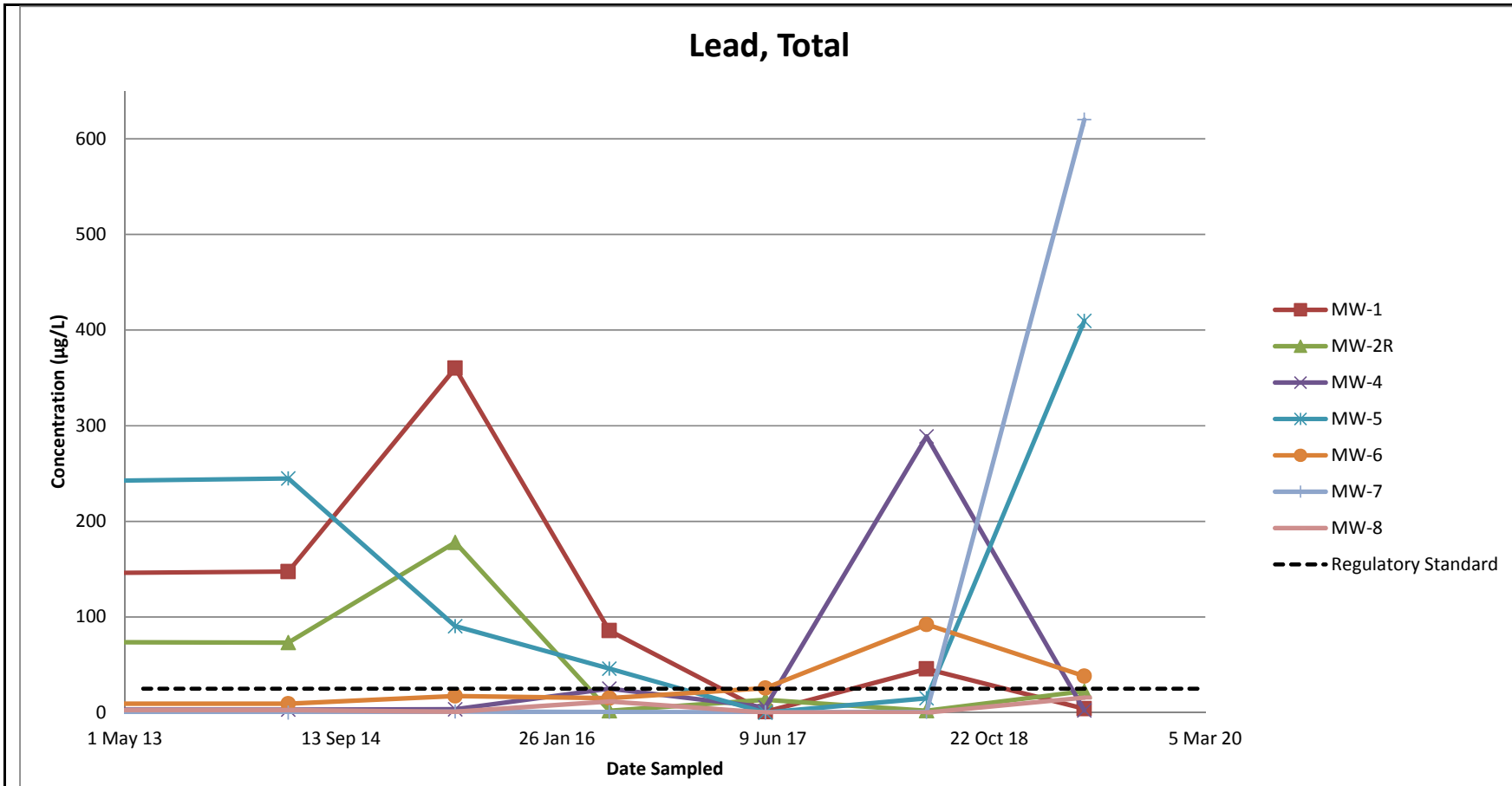

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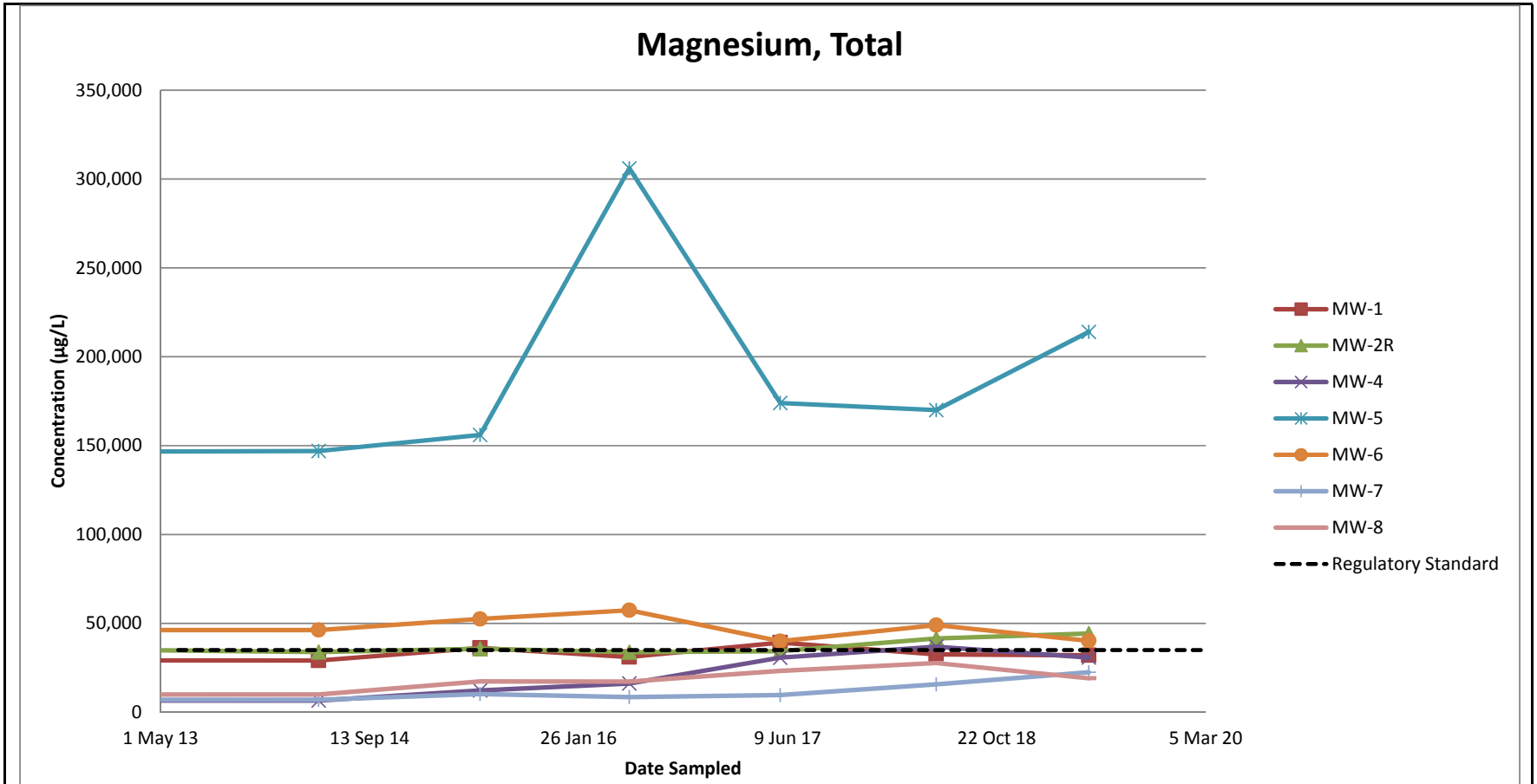

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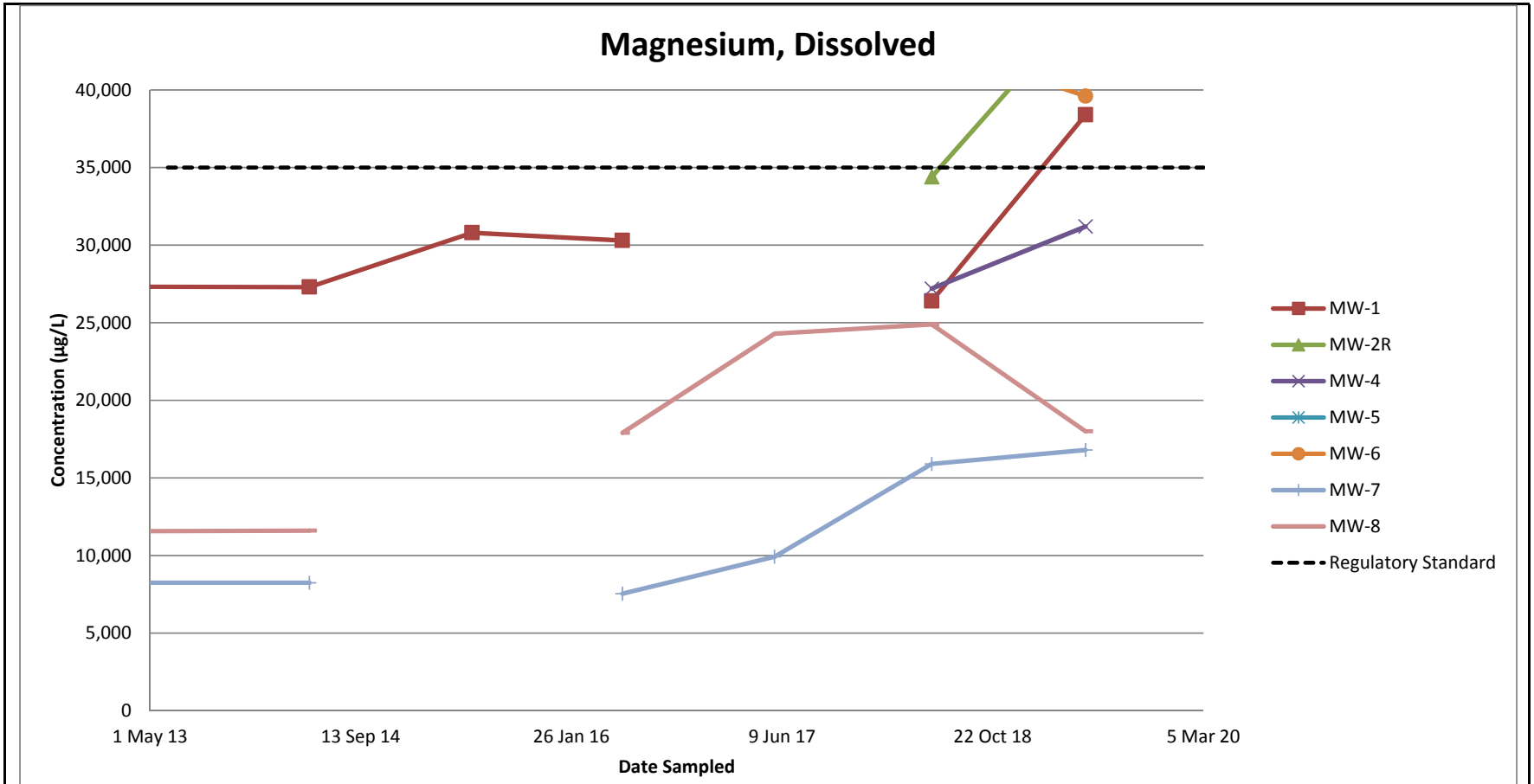

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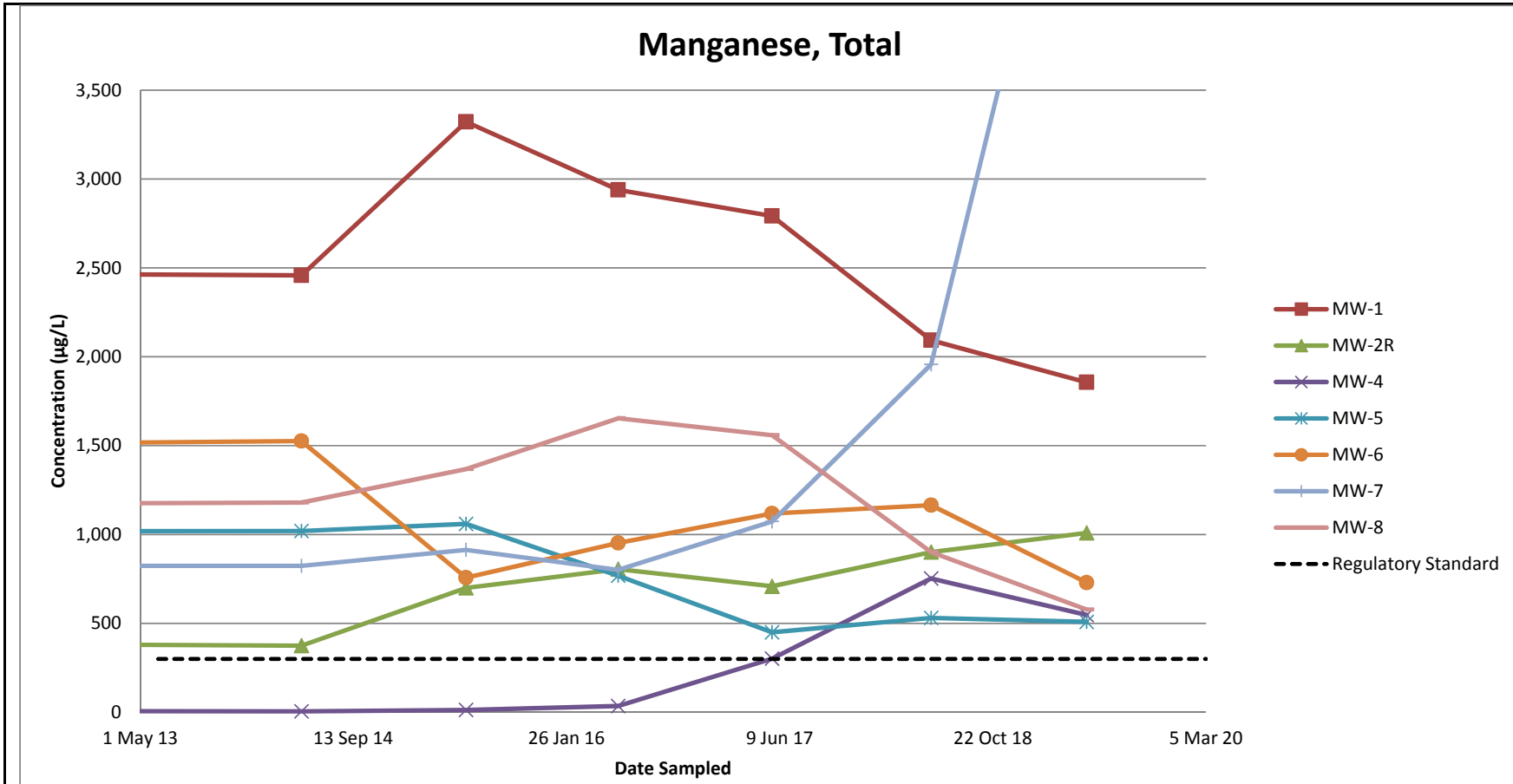

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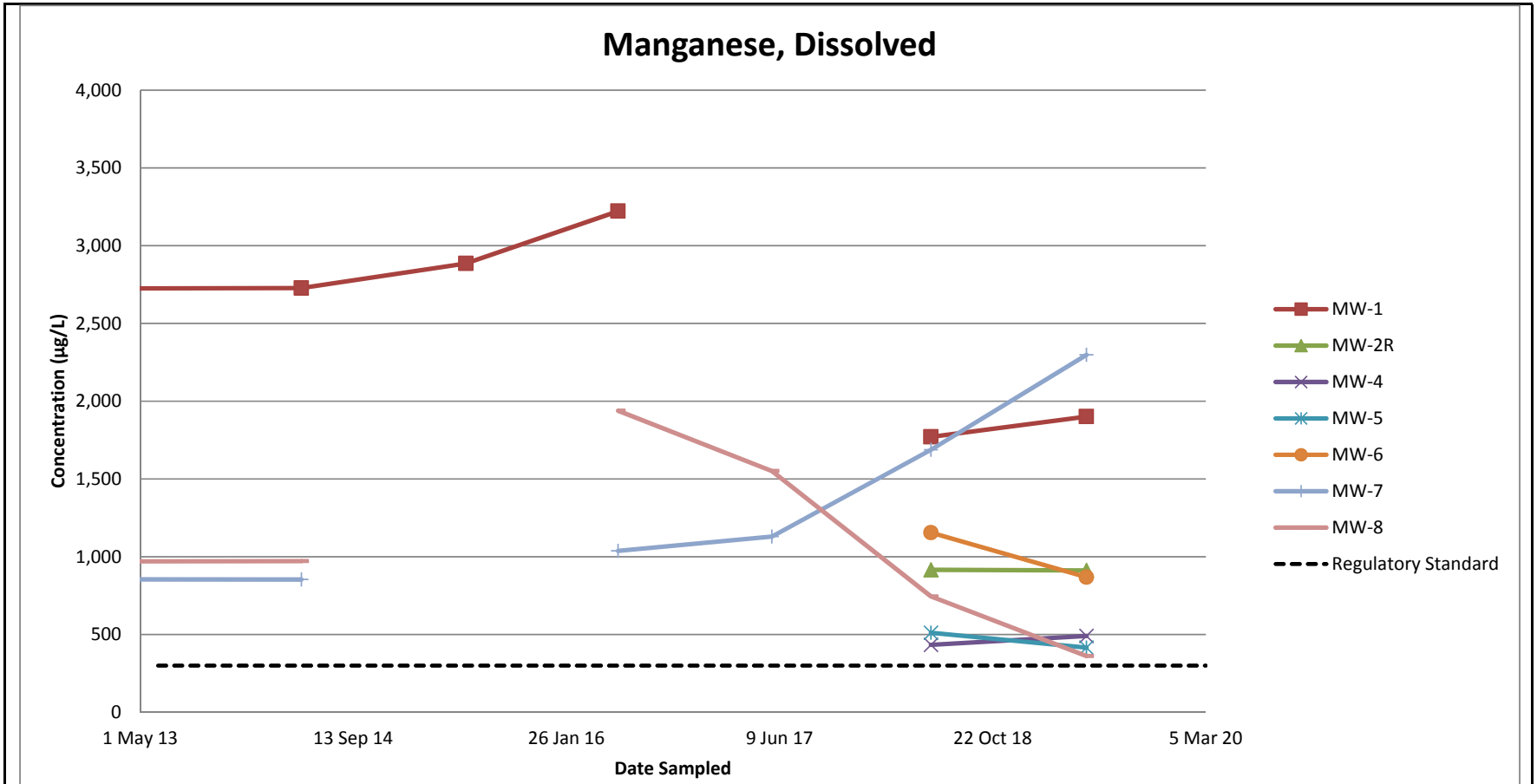

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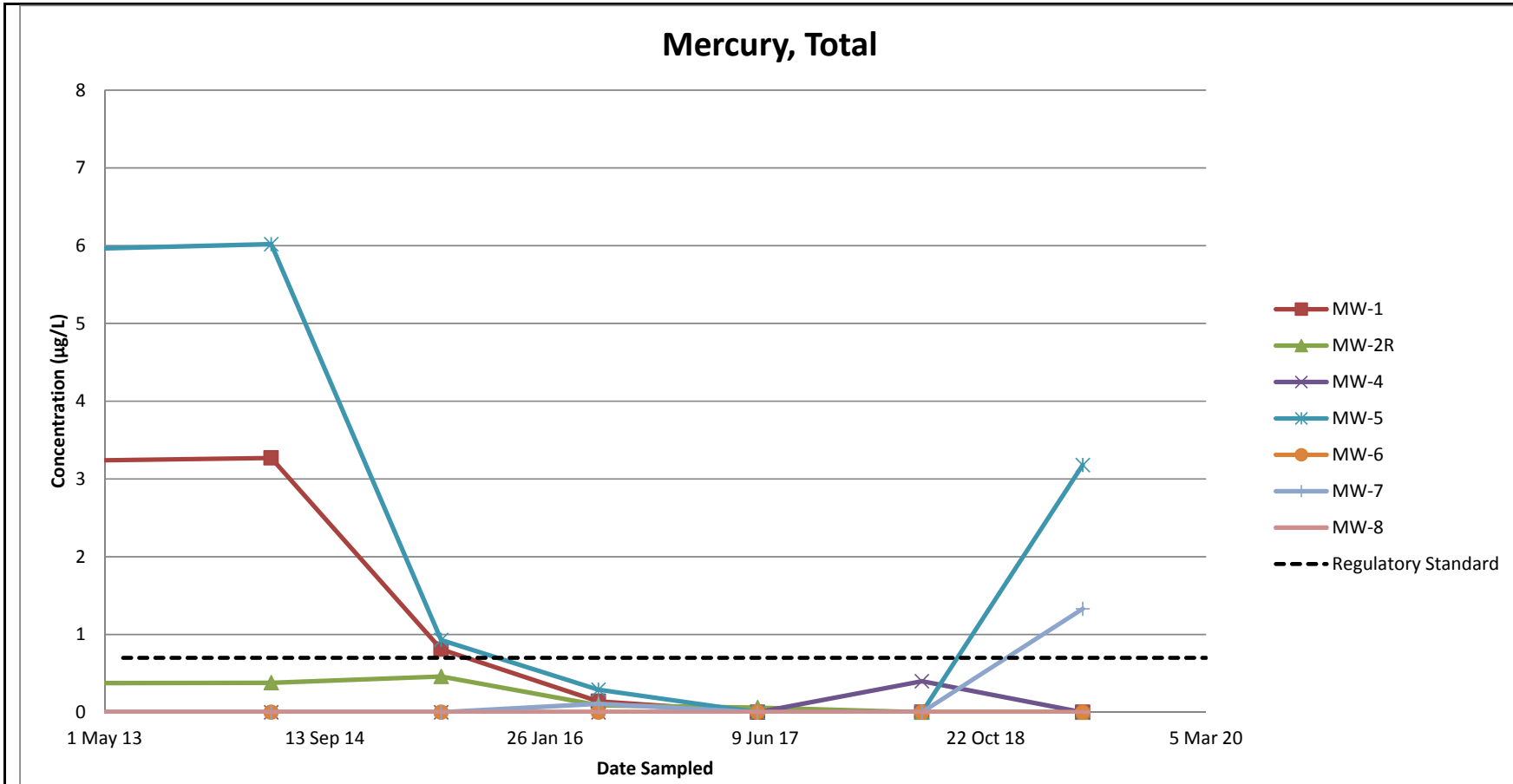

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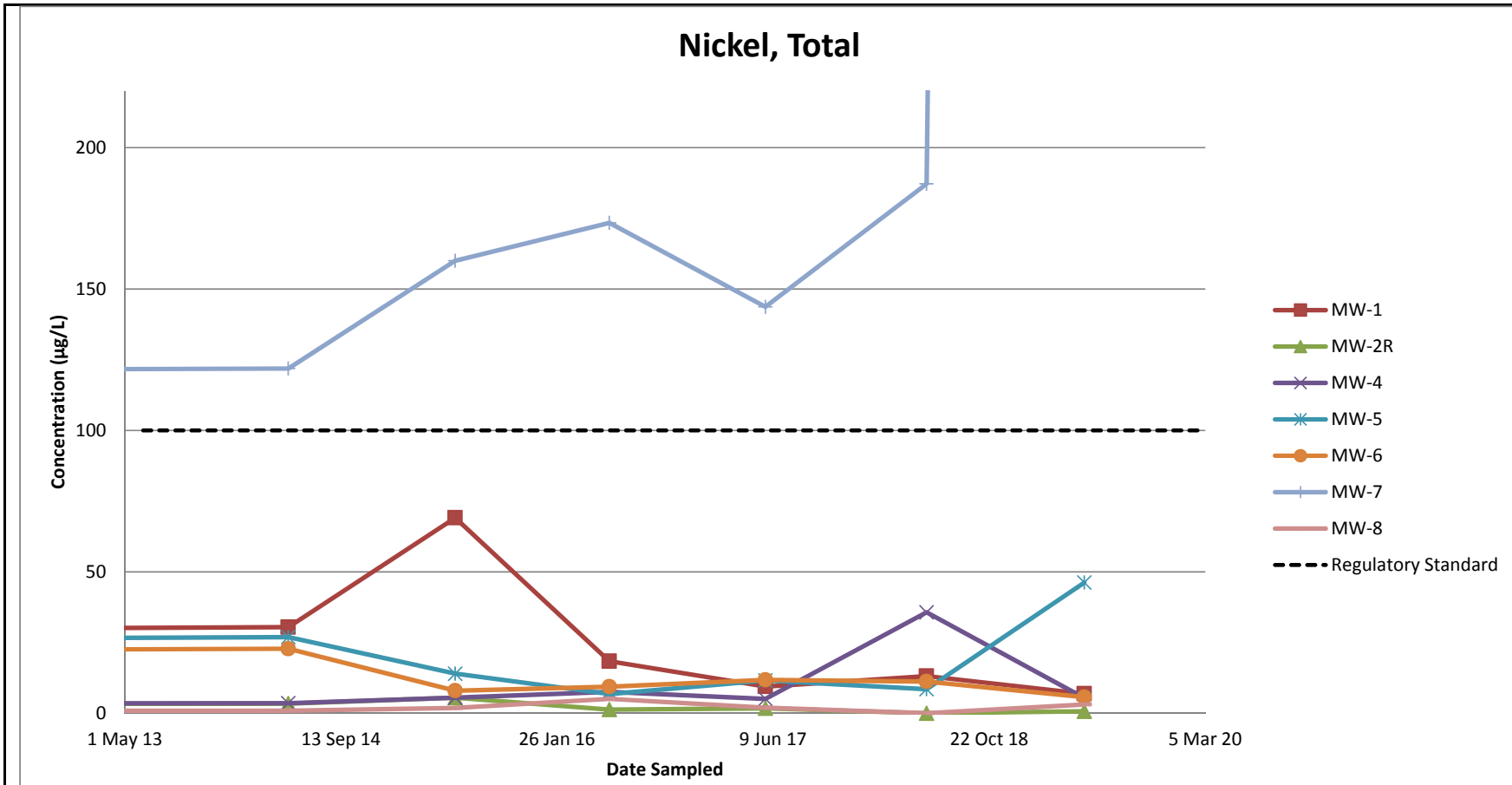

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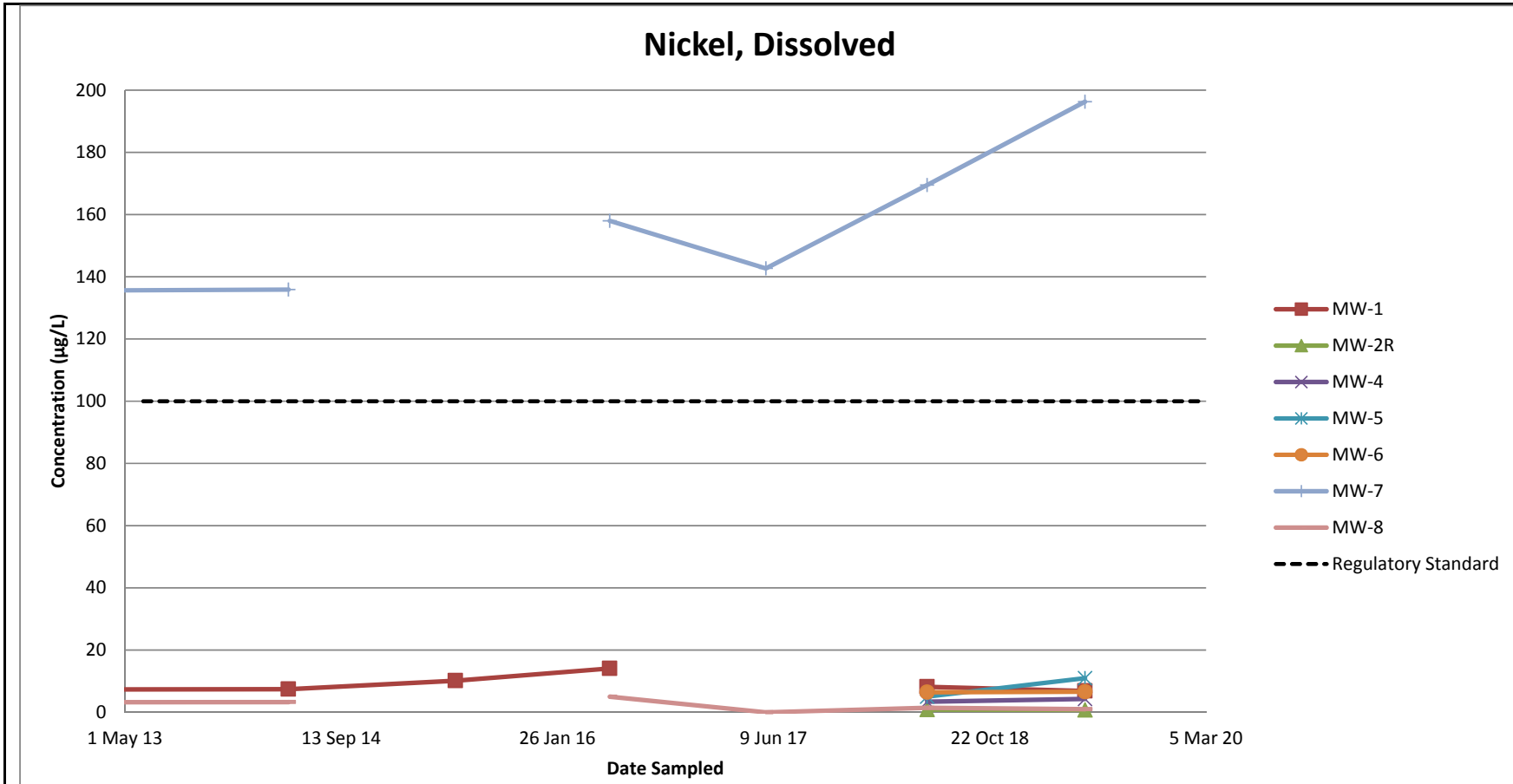

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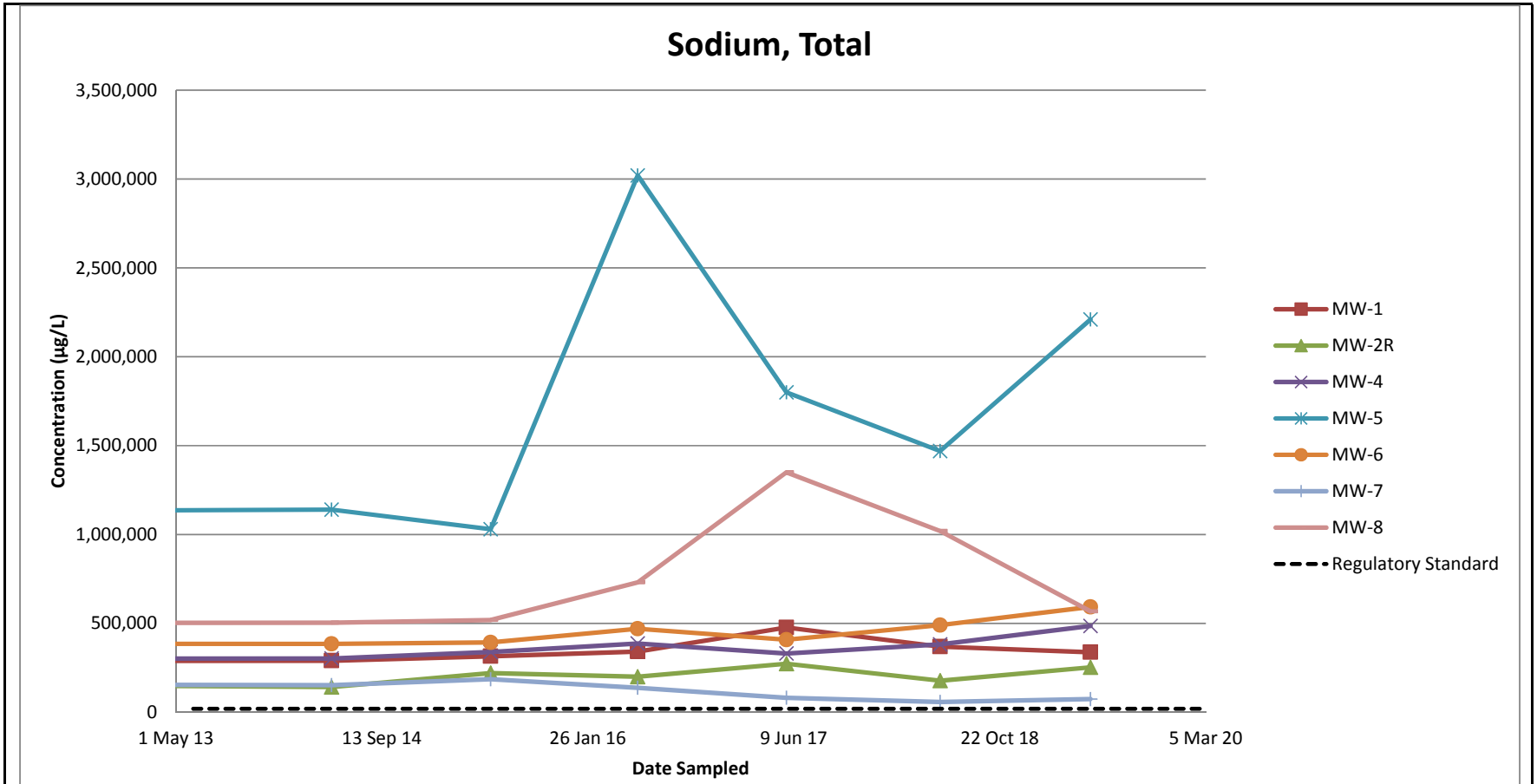

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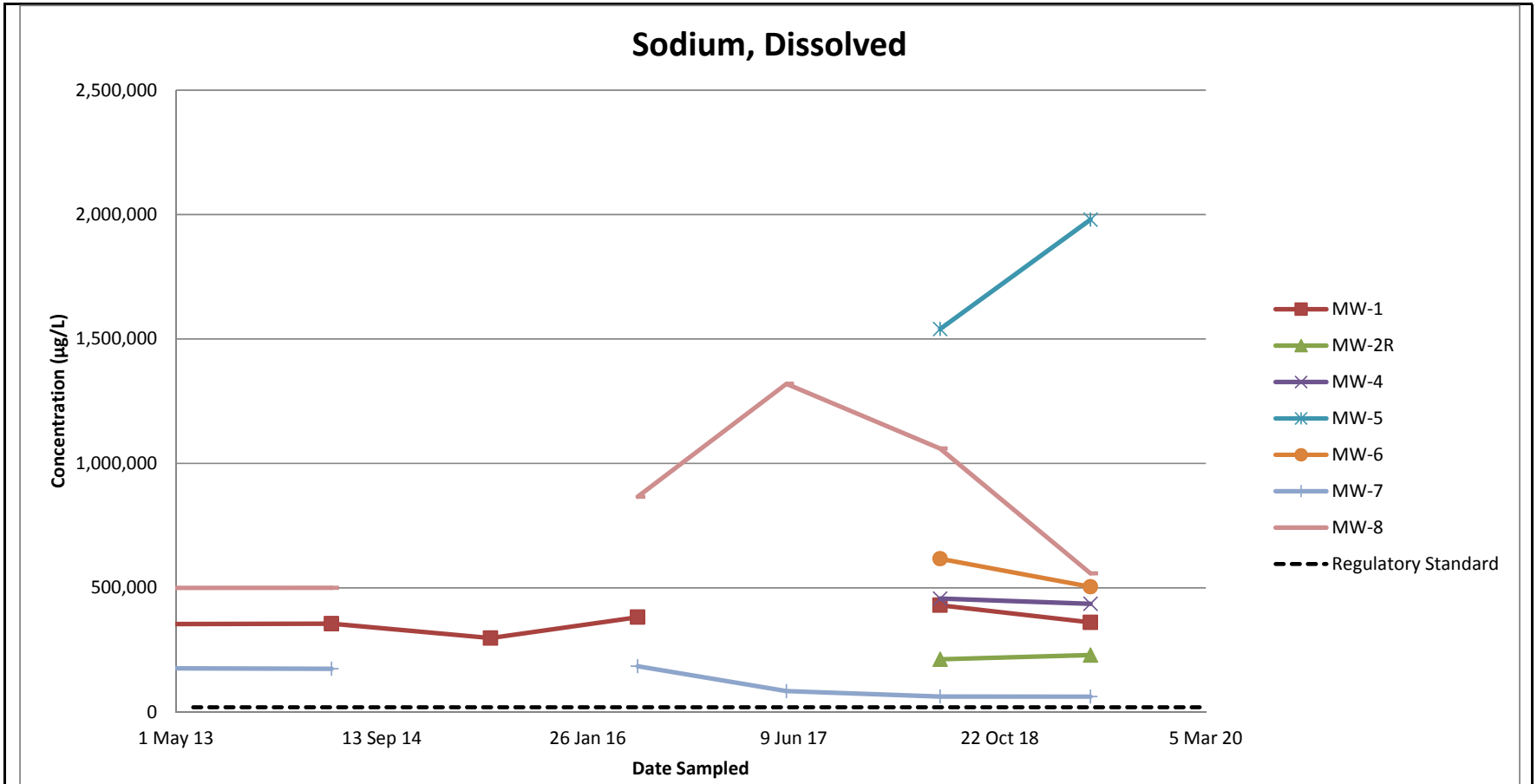

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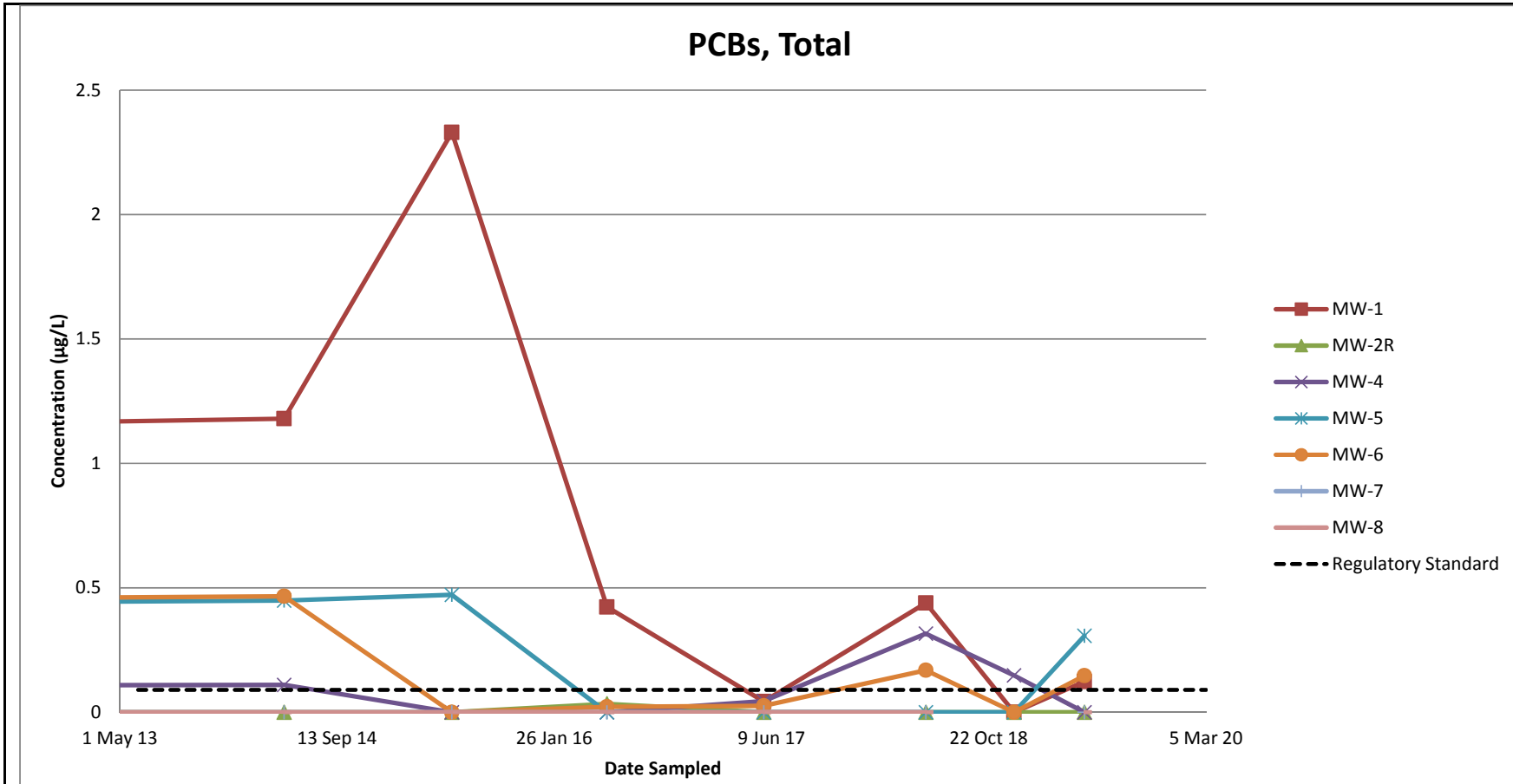

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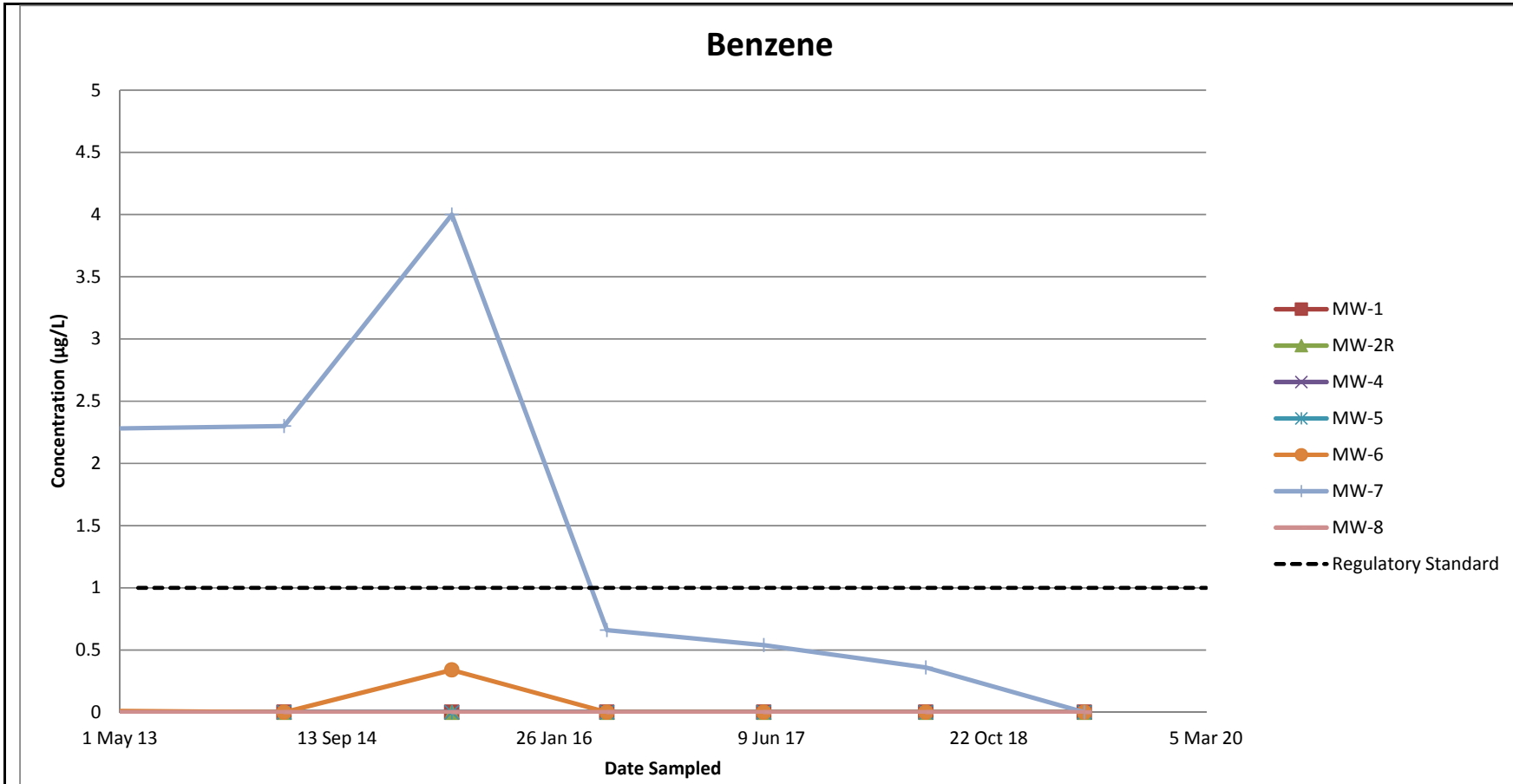

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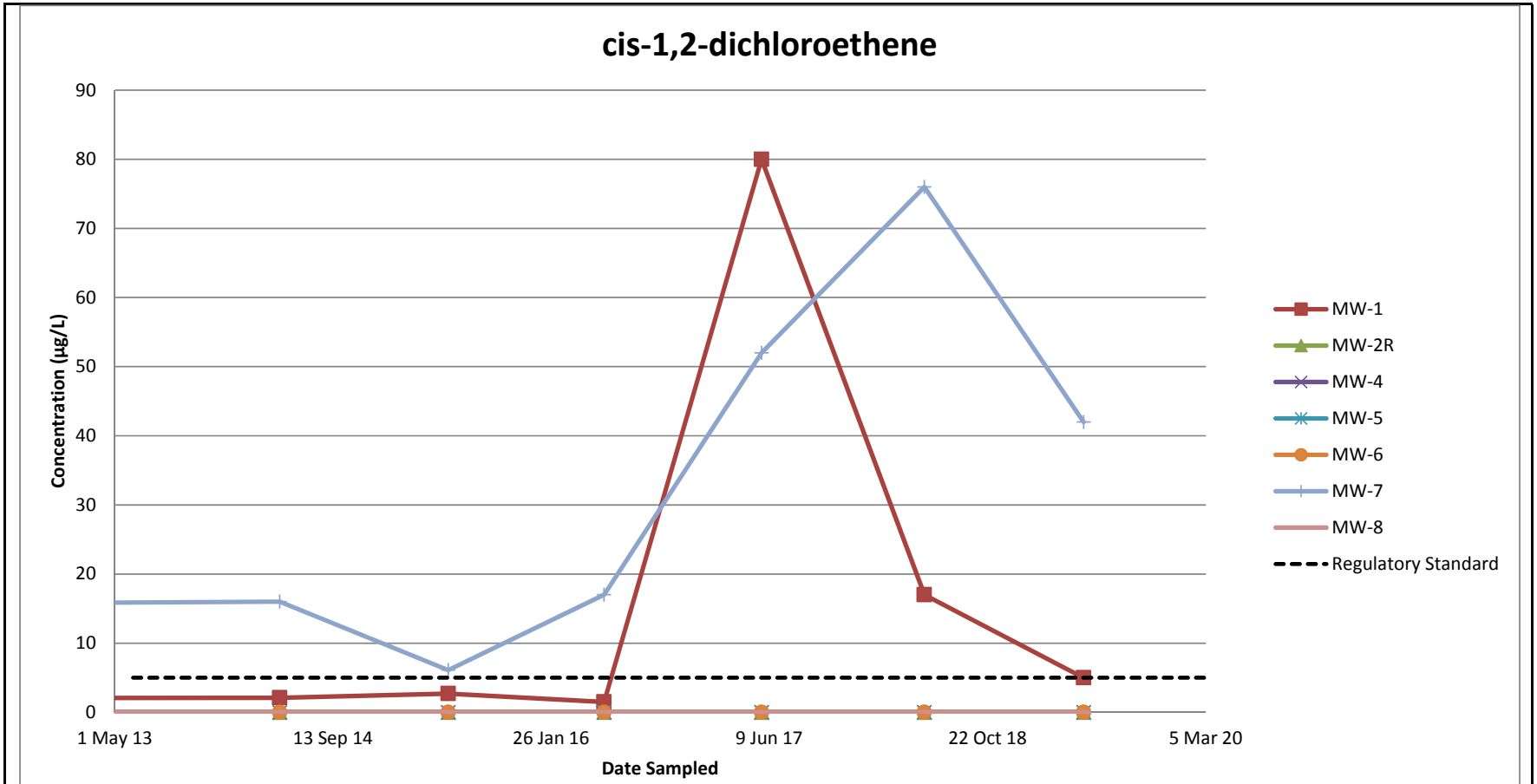

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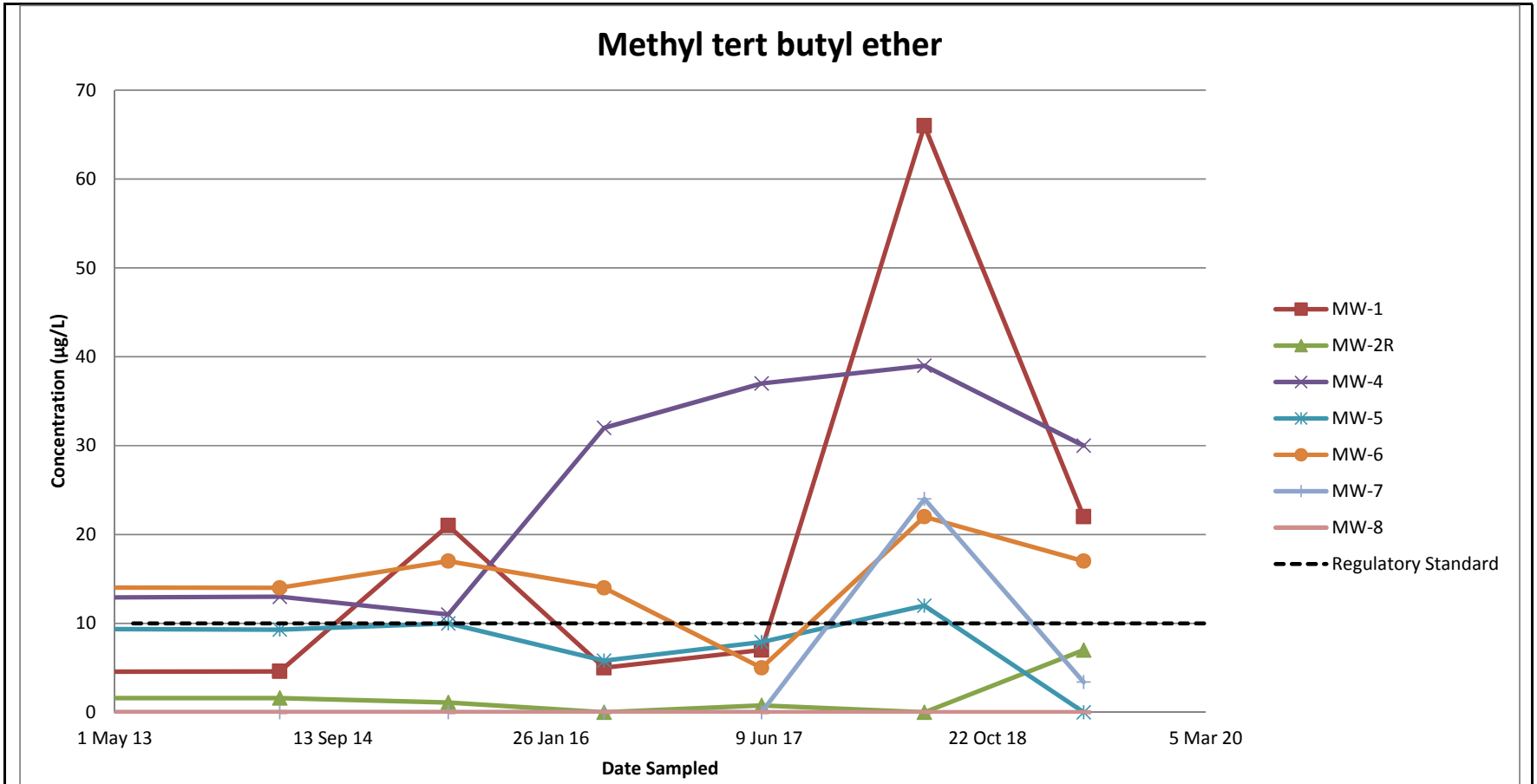

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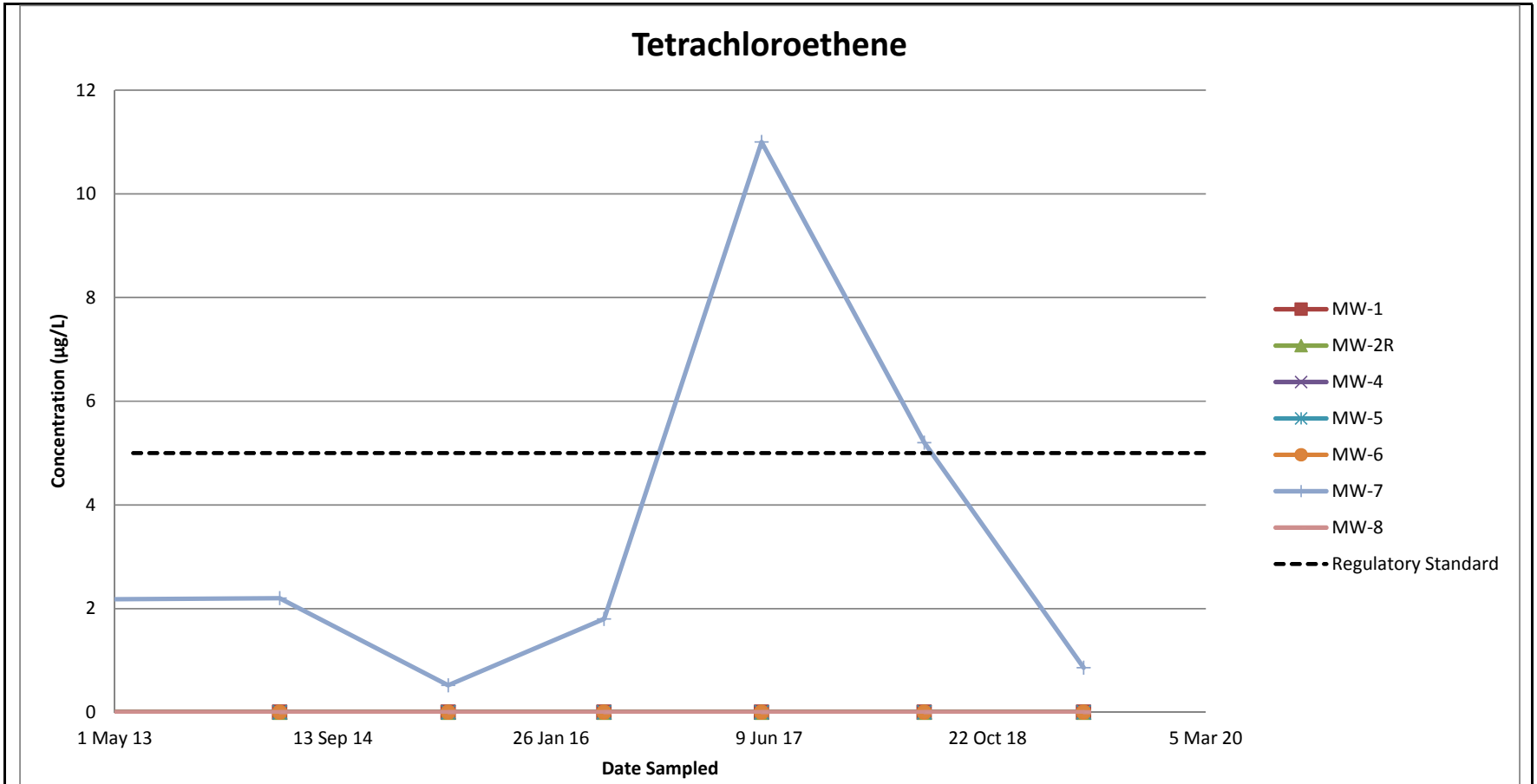

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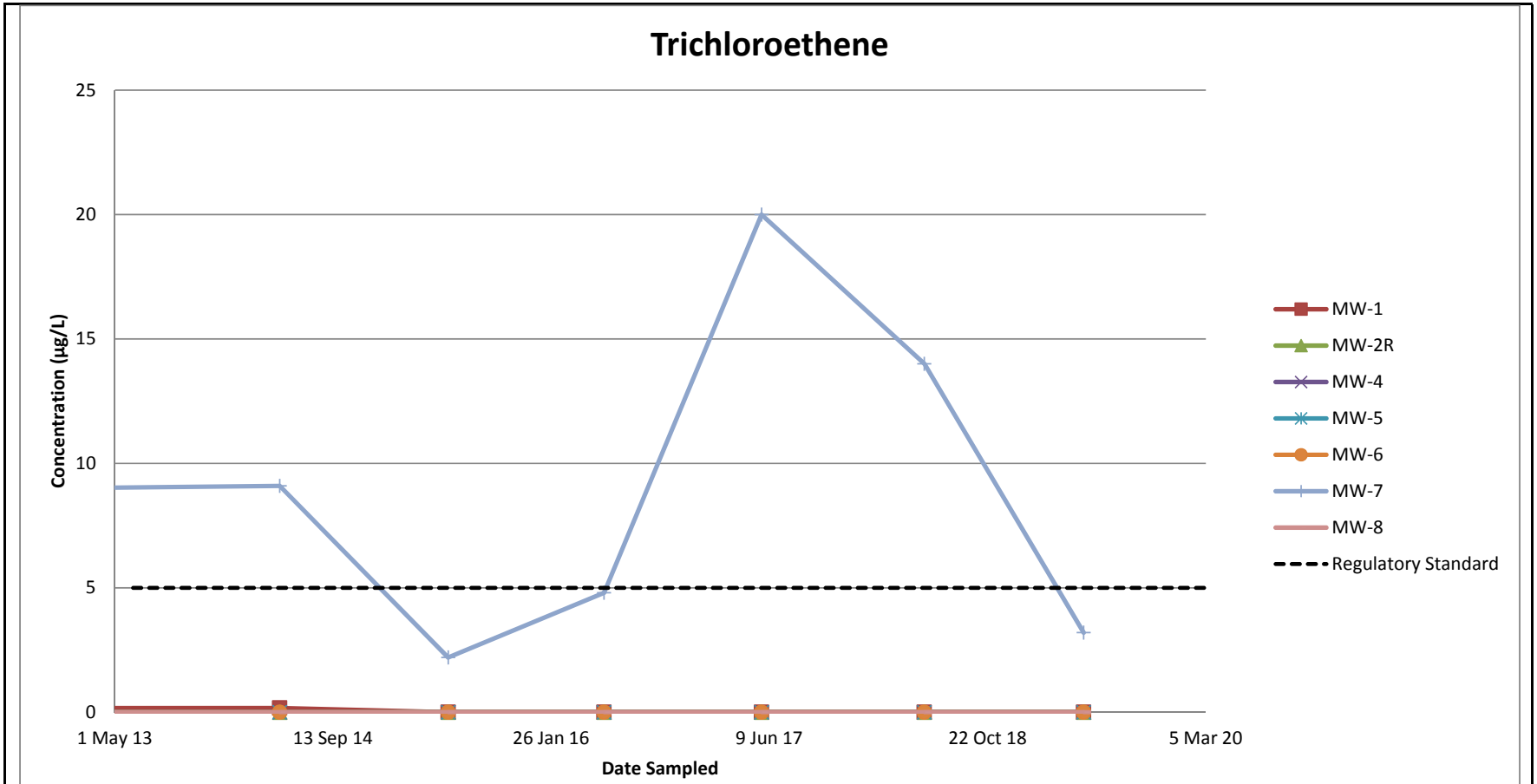

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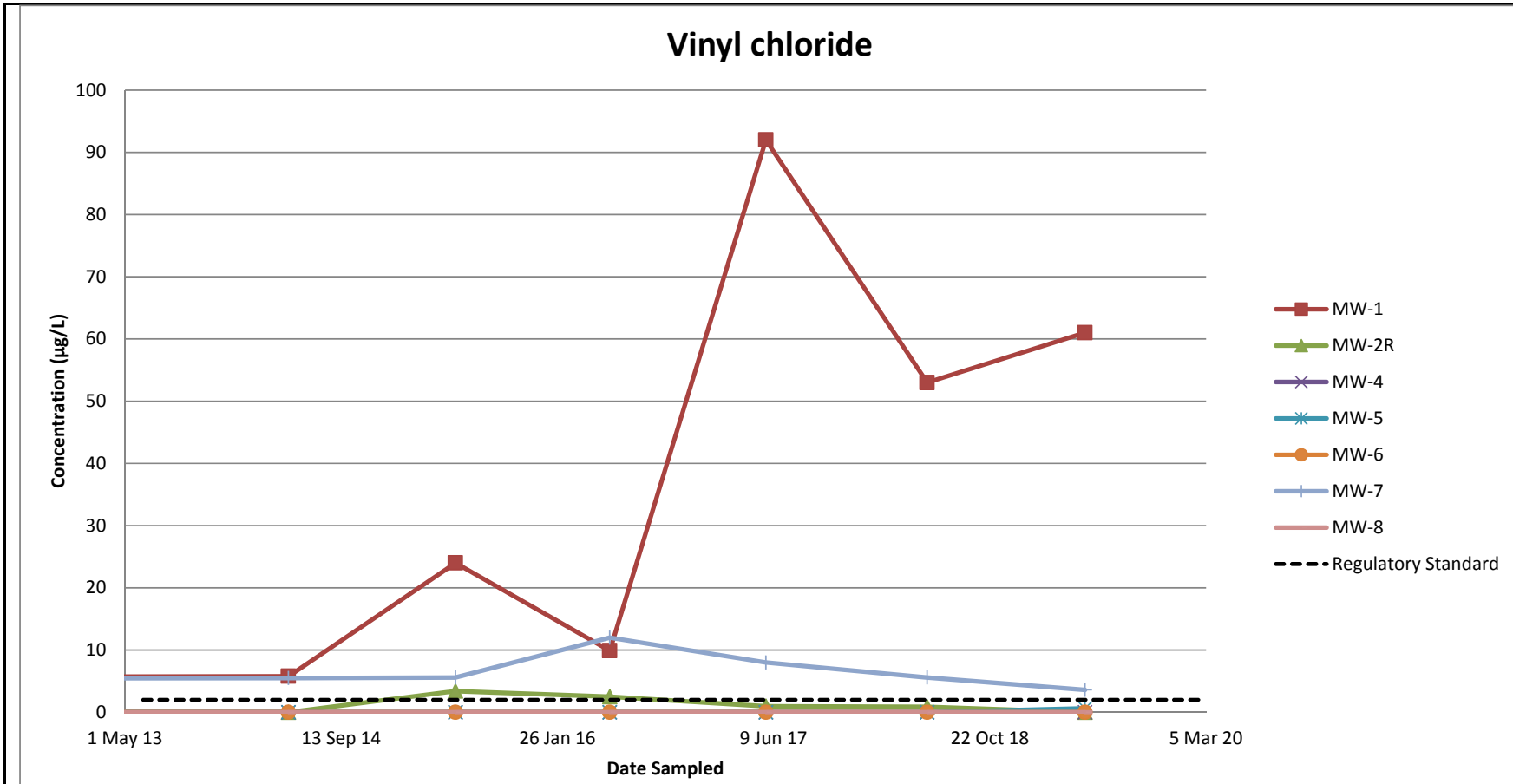

Attachment C - Time Series Plots

Frito-Lay - Brooklyn BCP Site

Date: May 19	Drawn: IEM
Scale: nts	Chk'd:
Original:	Rev:
File Reference:	