Glenn Springs Holdings, Inc.
A subsidiary of Occidental Petroleum

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July 30, 2019

Reference No. 001069

Mr. Brian Sadowski
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, NY 14203

Dear Mr. Sadowski:

Re: Site Organic Indicators Trends Analysis
Hooker-Hyde Park Landfill, Site No. 932021
Niagara Falls, Niagara County, New York

1. Introduction

In a letter from the New York State Department of Environmental Conservation (NYSDEC) dated July 19, 2018, the NYSDEC commented that Site Organic Indicators (SOIs) continue to exceed site-specific screening levels in many Group A and Group B bedrock wells at the Hyde Park Landfill in Niagara Falls, New York (Site). In the letter, the NYSDEC requested that the concentrations of SOIs be quantified and "set to trend" to better understand the results of the remedial efforts.

In response to the NYSDEC's request, GSH conducted a preliminary analysis in the 2018 Periodic Review Report (PRR). This preliminary analysis indicated that additional evaluation of trends in several wells was required relative to the hydrogeologic characteristics of the individual flow zones. The PRR indicated that this evaluation would be submitted by July 31, 2019. This letter presents the results of the additional evaluation.

The additional evaluation was a two-part data analysis of concentrations of organic compounds detected in the Group A and Group B bedrock wells ("bedrock wells") from 2006 through the second quarter of 2019 ("study period"). The data analysis consisted of an initial screening and then a more detailed screening of concentrations and concentration trends to identify compounds that met certain impact criteria (defined below) that could be potentially indicative of a decline in groundwater quality associated with the Site. To provide a robust analysis, all of the organic compounds currently included in the Group A and Group B bedrock sampling program were considered instead of only the nine SOIs defined for the Site (chlorendic acid, benzene, 1,1,2,2-tetrachloroethane, tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, vinyl chloride, bis(2-ethylhexyl)phthalate, and methylene chloride). The organic compounds included consisted of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and organic acids.

2. Initial Screening

As the first part of the two-part data analysis, organic compounds that could potentially be indicative of a decline in groundwater quality associated with the Site were identified by examining concentrations of organic compounds relative to their site-specific screening levels (SLs). Compounds that do not have SLs were not included in the analysis. Table 1 displays exceedance factors (EFs) for the compounds included in the analysis. For each year, the EF for a specific compound is the maximum concentration of that compound detected that year in *any* of the Group A and Group B bedrock wells divided by the SL for that compound. Therefore, the EF provides a standardized metric by which the magnitude of the exceedances of the SL for individual compounds can be portrayed for the collective group of bedrock wells. EFs greater than 1.0 were shaded in pink in Table 1, indicating that the maximum concentration of that compound detected in any of the bedrock wells that year exceeded the SL. For simplicity, EFs were displayed rounded to the nearest whole number, which includes a value of zero. For a "maximum" concentration that is a non-detect, the reporting limit was divided by the SL and the resulting EF reported as negative. Based on the trends observed in the EFs, compounds were identified that met the following impact criteria:

Impact Criteria

- Concentrations moderately to significantly elevated above SLs (EF ≥ 5) throughout the majority of the study period, including in recent years (i.e., 2014 – 2019); and/or
- Concentrations which have exhibited sustained increases (either long-term or recent short-term), in which the increased concentrations are moderately to significantly elevated above SLs (EF ≥ 5).

Based on these impact criteria, GSH identified seven compounds with concentrations and/or concentration trends that could potentially be indicative of a decline in groundwater quality associated with the Site. These compounds contain six of the nine SOIs, and are as follows:

- **1,1,2,2-Tetrachloroethane (1,1,2,2-PCA).** EFs for 1,1,2,2-PCA have ranged from 566 to 2,075 throughout the study period, with no apparent trend observed. The SL for 1,1,2,2-PCA is 0.053 µg/L.
- **Benzene.** EFs for benzene have risen from being in the 18 to 30 range (2006 – 2014) to being in the 48 to 58 range (2015 – 2019). The SL for benzene is 5 µg/L.
- **Bis(2-ethylhexyl)phthalate (DEHP).** EFs for DEHP have risen from being ≤ 6 (2009 to 2015) to 37 in 2016, 18 in 2017, and 14 in 2019. The SL for DEHP is 6 µg/L.
- **Chlorendic acid.** EFs for chlorendic acid have remained steady in the 8 to11 range (2009 – 2017), and was only slightly lower (6) in 2019. The SL for chlorendic acid is 50 µg/L.
- **Chloroform.** EFs for chloroform have risen from 1 (2009 to 2011) to 8 in 2019. The SL for chloroform is 80 µg/L.
- **Trichloroethene (TCE).** EFs for TCE have risen from being in the 15 to 19 range (2009 to 2014) to 40 in 2015 and to the 56 to 70 range (2016 to 2019). The SL for TCE is 5 µg/L.

- **Vinyl Chloride.** EFs for vinyl chloride have risen from being in the 18 to 24 range (2010 to 2015) to 35 in 2016, 45 in 2017, and 55 in 2019. The SL for vinyl chloride is 2 µg/L.

3. Detailed Screening

As the second part of the two-part data analysis, specific wells were identified in which the seven organic compounds identified in the initial screening met the impact criteria. To accomplish this, EFs were calculated for these seven organic compounds for each well included in the Group A and Group B bedrock wells for each year and compared the EFs to the impact criteria. Table 2 displays the calculated EFs. EFs for the wells E6-09, E6-11, F2L-11, F6-11, G1L-11, G6-04, G6-05, G6-11, H2M-06, H2M-09, H5-09, and J6-11 met the impact criteria, but are either hydraulically upgradient or cross-gradient of the Site[1], and as such negative trends in groundwater quality associated with these wells are not associated with the Site. With these wells removed from further analysis, the following compounds were identified that met the impact criteria in wells downgradient of the Site:

- **1,1,2,2-PCA.** EFs met the impact criteria in the following wells:
    - **G6-01 and G6-02.** Although concentrations of 1,1,2,2-PCA in G6-01 and G6-02 have been above the SL since the beginning of the study period, concentrations have been consistently decreasing since 2006 and have been below or only slightly above the NYS Class GA Groundwater Standard of 5 µg/L since 2012 (Figure 1). Based on this, 1,1,2,2-PCA concentrations and concentration trends in G6-01 and G6-02 do not represent a potential decline in groundwater quality associated with the Site.
- **Benzene.** EFs met the impact criteria in the following wells:
    - **D1L-11 and B2L-11.** Concentrations of benzene have been above the SL in D1L-11 and B2L-11 since the beginning of the study period. Benzene concentrations in B2L-11 have fluctuated throughout the study period and do not exhibit any long-term increasing trends (Figure 2). As such, benzene concentrations and trends in B2L-11 do not represent a potential decline in groundwater quality associated with the Site. Benzene concentrations in D1L-11 have also fluctuated throughout the study period but have shown a potential slight long-term overall increasing trend (Figure 2). As such, benzene concentrations and concentration trends in D1L-11 will continue to be monitored as part of the Group A bedrock sampling program.
- **DEHP.** EFs met the impact criteria in the following well:
    - **E6-04.** Concentrations of DEHP have been consistently above the SL in E6-04 since 2015, but have been decreasing since 2016 (Figure 3). DEHP concentrations and

[1] Quarterly Operations Report – First Quarter 2019, Hyde Park Remedial Program, Bedrock and Overburden Monitoring Programs, NYSDEC Site No. 932021, dated April 29, 2019, prepared by Glenn Springs Holdings, Inc. for the New York State Department of Environmental Conservation and the United States Environmental Protection Agency.

concentration trends in E6-04 will continue to be monitored as part of the Group A bedrock sampling program.

- **Chlorendic acid.** EFs met the impact criteria in the following wells:
    - **F2U-02 and F2U-04.** Although concentrations of chlorendic acid have been above the SL in F2U-02 and F2U-04 since the beginning of the study period, concentrations have been relatively stable since 2013 (Figure 4) and have been decreasing since 2016. Based on this, chlorendic acid concentrations and concentration trends in F2U-02 and F2U-04 do not represent a potential decline in groundwater quality associated with the Site.
- **TCE:** EFs met the impact criteria in the following wells:
    - **G6-01 and G6-02.** Although concentrations of TCE have been above the SL since the beginning of the study period, concentrations have been steadily decreasing since 2007 (Figure 5). Based on this, TCE concentrations and concentration trends in G6-01 and G6-02 do not represent a potential decline in groundwater quality associated with the Site.

4. Conclusions and Recommendations

Through a two-part data analysis, concentrations and concentration trends in organic compounds detected in the Group A and Group B bedrock wells at the Site from 2006 through the second quarter of 2019 were evaluated. Two organic compounds were identified in wells downgradient of the Site that have been detected at concentrations above the SLs and have exhibited sustained increases in concentration. These organic compounds are:

- Benzene in well D1L-11
- DEHP in well E6-04

Concentrations and concentration trends of benzene in D1L-11 and DEHP in E6-04 will continue to be monitored as part of the Group A bedrock sampling program and evaluated in each annual PRR.

As requested by the NYSDEC, this data analysis has quantified and evaluated trends in SOIs and additional organic compounds detected in Group A and Group B bedrock wells to better understand the results of the remedial efforts. Based on this analysis, only two instances were identified in which concentrations and concentration trends in organic compounds downgradient of the Site could potentially be indicative of a decline in groundwater quality associated with the Site. These instances will continue to be monitored.

Based on the analysis, no evidence has been found that remedial efforts at the Site have not been satisfactory.

Very truly yours,

GLENN SPRINGS HOLDINGS, INC.

Joseph Branch
Site Manager

JB/ eew/1

cc:

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Figure 1

Organic Compounds Trends Analysis
Concentrations of 1,1,2,2-Tetrachloroethane in Wells G6-01 and G6-02
Hyde Park Landfill Site
Town of Niagara, New York

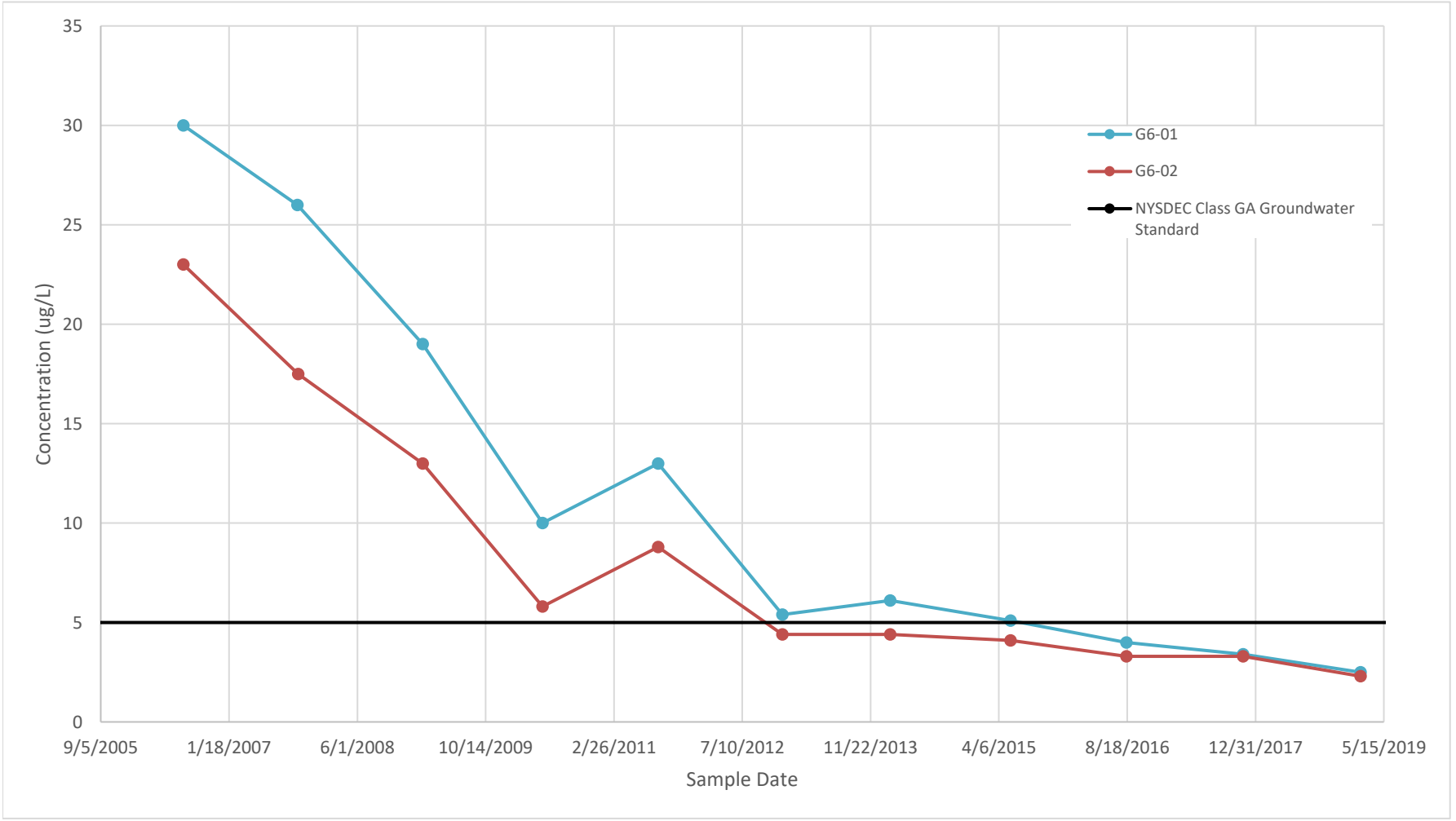

Figure 2

Organic Compounds Trends Analysis
Concentrations of Benzene in Wells D1L-11 and B2L-11
Hyde Park Landfill Site
Town of Niagara, New York

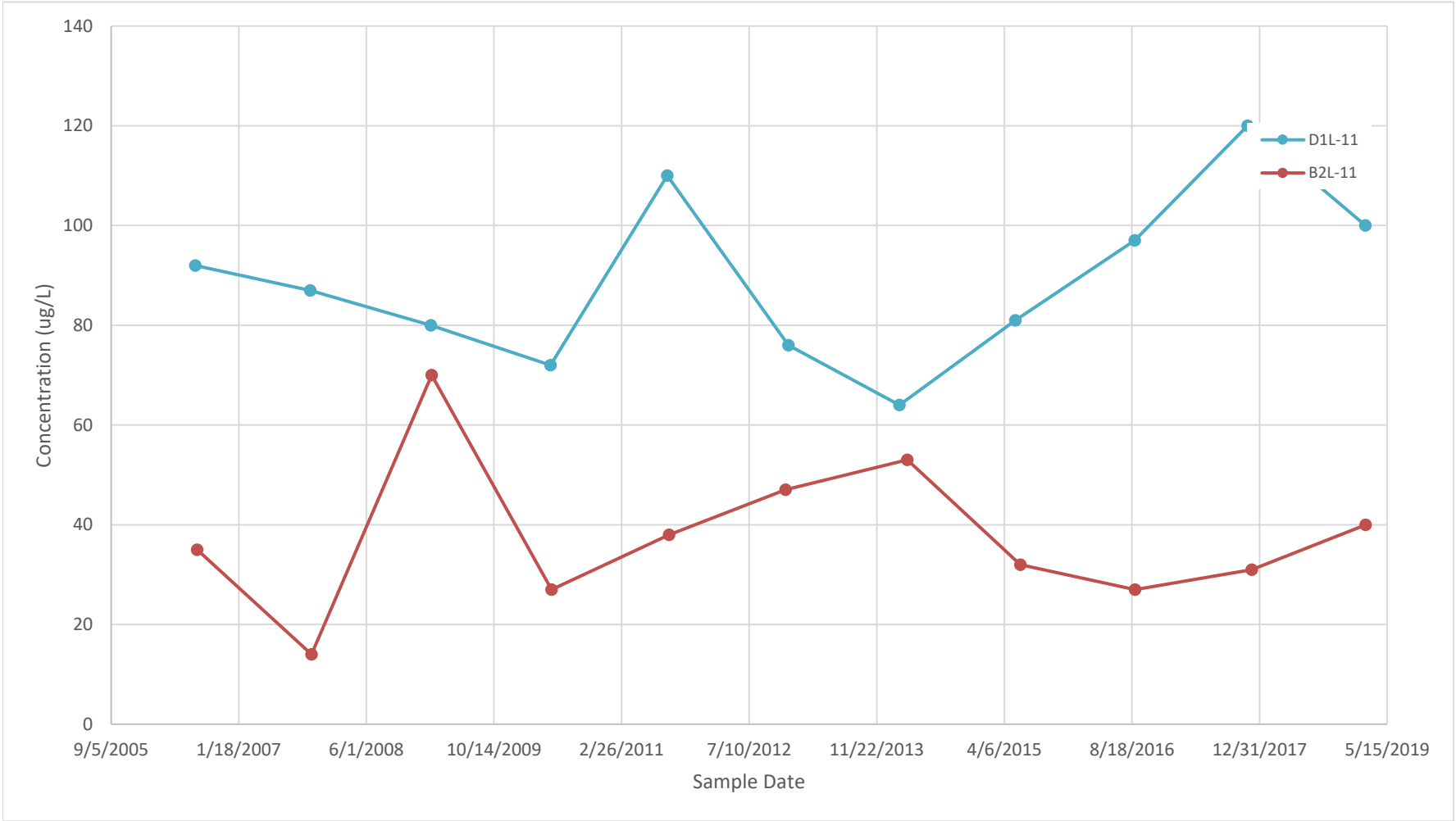

Figure 3

Organic Compounds Trends Analysis
Concentrations of DEHP in Well E6-04
Hyde Park Landfill Site
Town of Niagara, New York

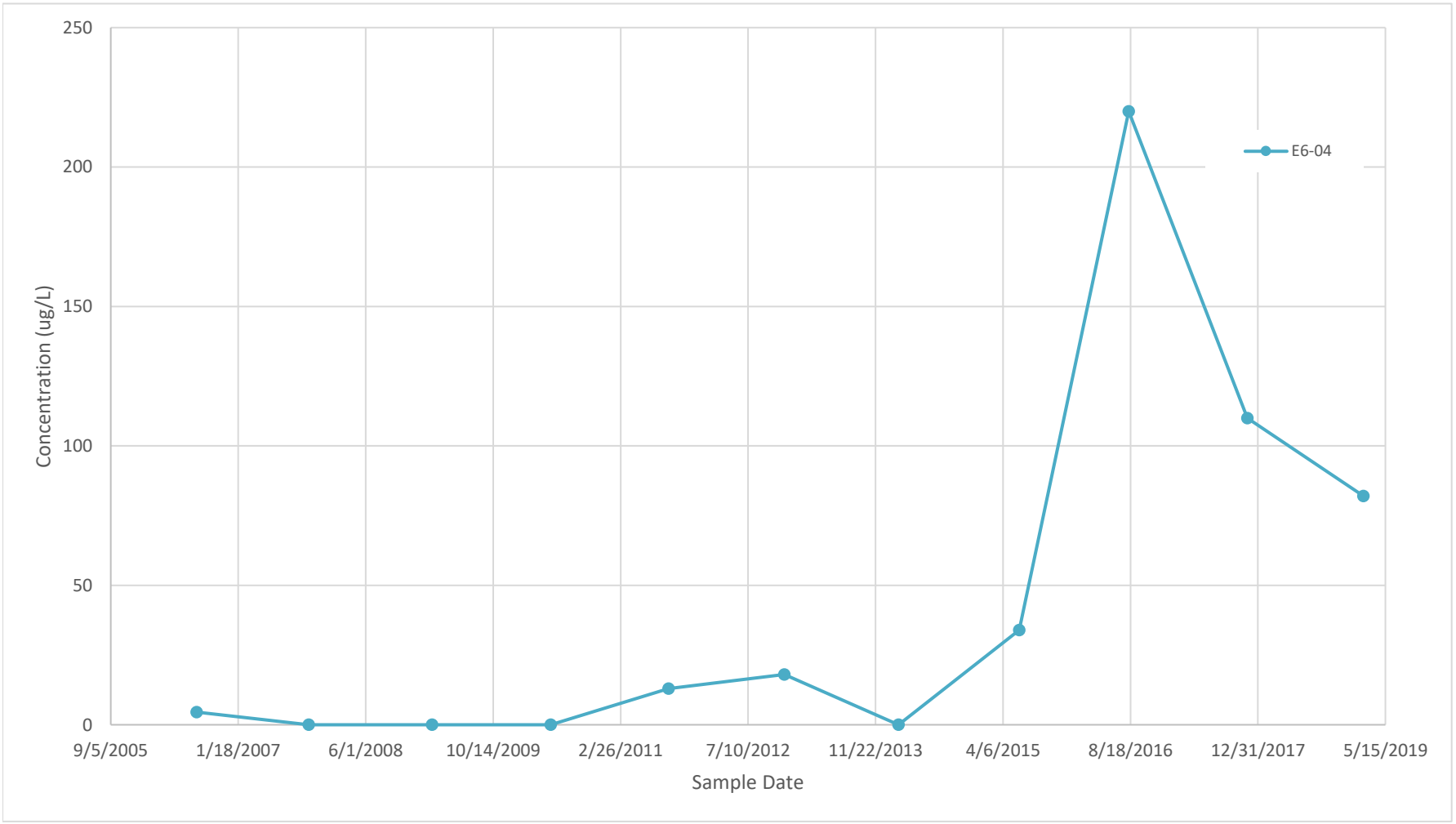

Figure 4

Organic Compounds Trends Analysis
Concentrations of Chlorendic Acid in Wells F2U-02 and F2U-04
Hyde Park Landfill Site
Town of Niagara, New York

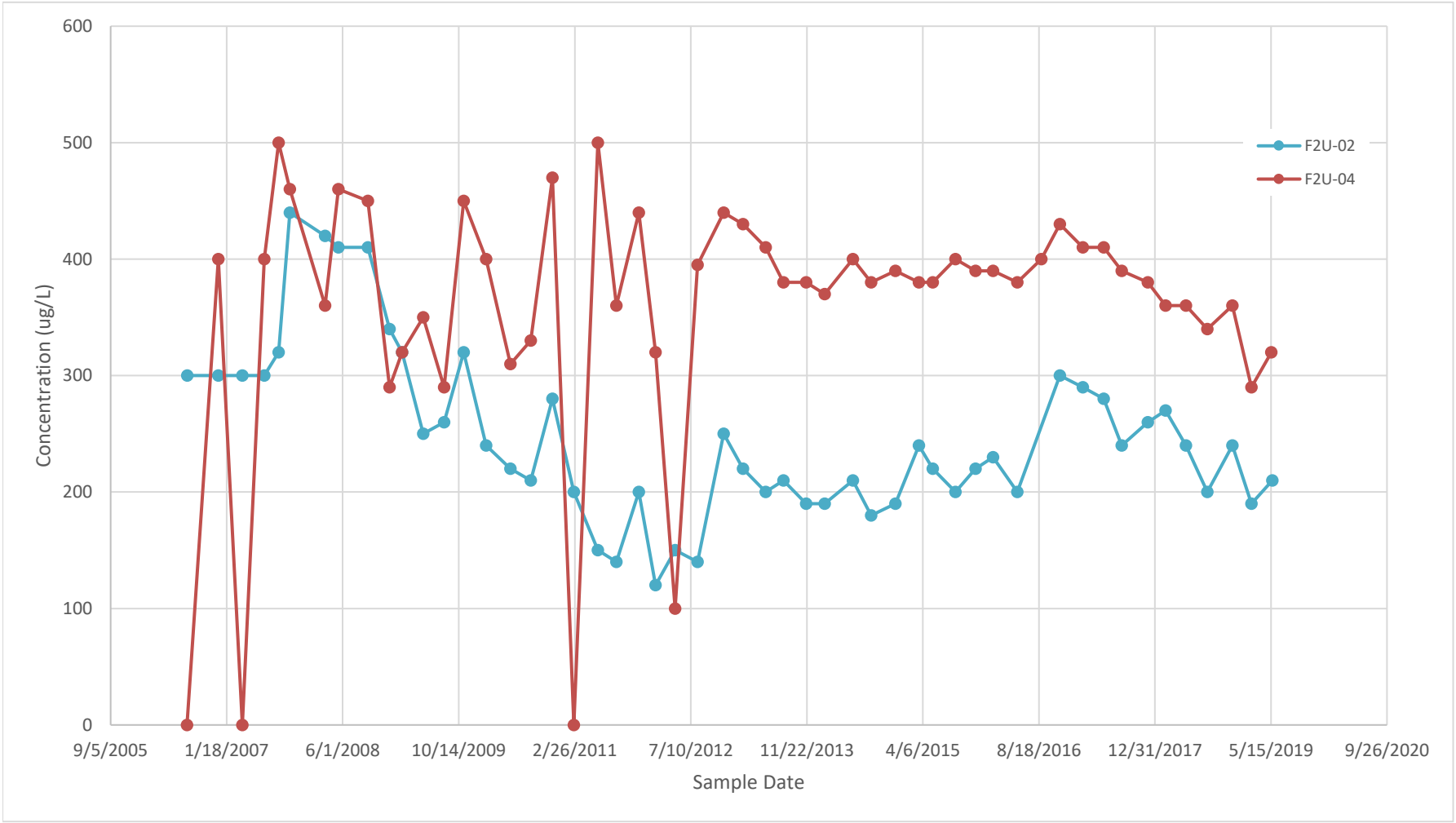

Figure 5

Organic Compounds Trends Analysis
Concentrations of TCE in Wells G6-01 and G6-02
Hyde Park Landfill Site
Town of Niagara, New York

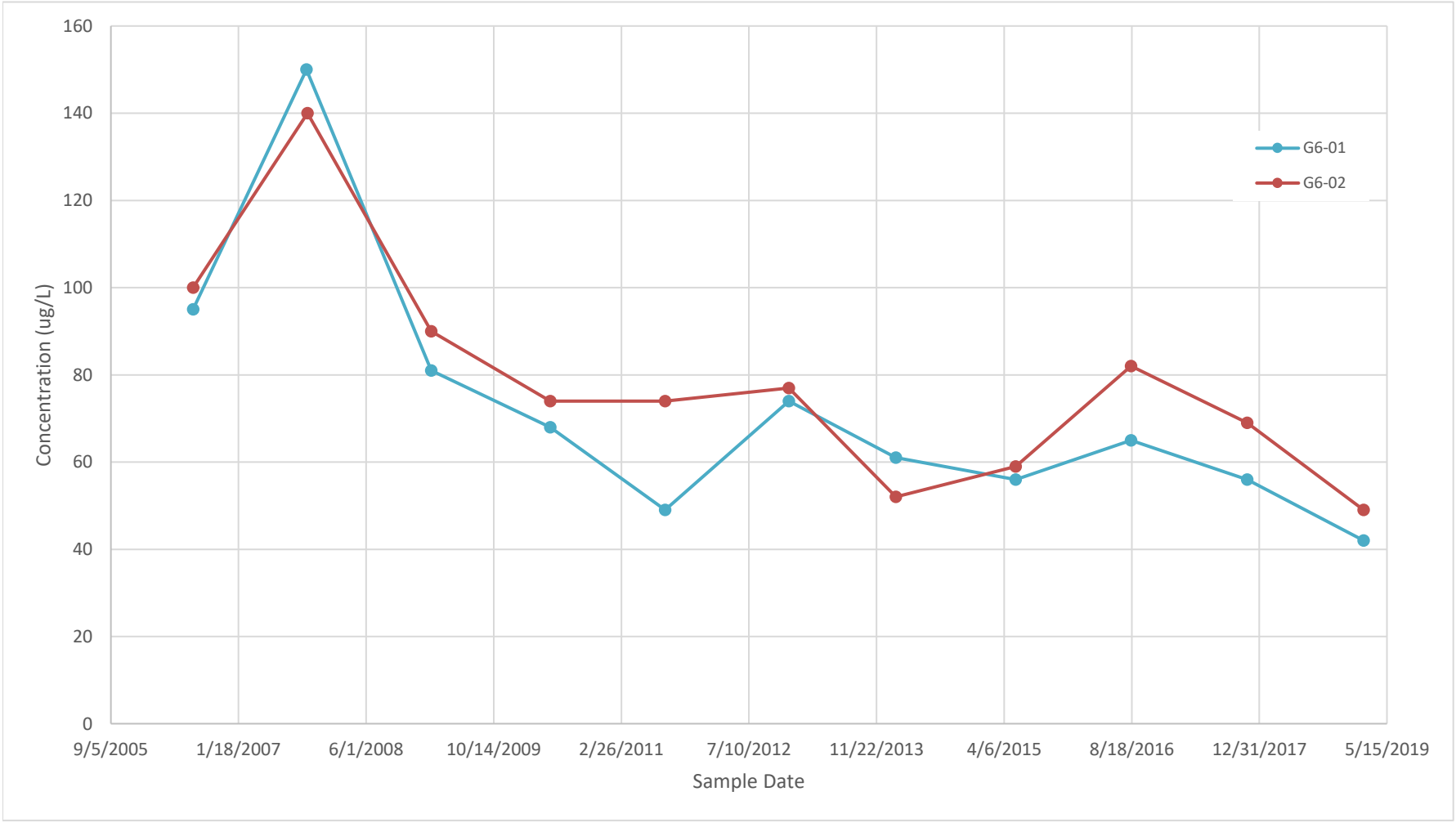

Table 1

Exceedance Factors - Initial Screening
Hyde Park Landfill Site
Town of Niagara, New York

		Exceedance Factor										
Analyte	**Screening Level (mg/L)**	**2006**	**2007**	**2009**	**2010**	**2011**	**2012**	**2014**	**2015**	**2016**	**2017**	**2019**
1,1,1-Trichloroethane	0.2	0	0	0	0	0	0	0	0	0	0	0
1,1,2,2-Tetrachloroethane	0.000053	566	1623	981	755	1472	736	1585	2075	2075	2075	1887
1,1,2-Trichloroethane	0.005	0	2	1	1	1	1	2	3	3	3	3
1,1-Dichloroethane	0.8	0	0	0	0	0	0	0	0	0	0	0
1,1-Dichloroethene	0.007	0	0	0	0	0	0	0	0	0	0	1
1,2,4-Trichlorobenzene	0.07	0	0	0	0	0	0	0	0	0	0	0
1,2-Dichlorobenzene	0.6	0	0	0	0	0	0	0	0	0	0	0
1,2-Dichloroethane	0.005	0	0	-1	1	0	0	0	0	0	0	0
1,2-Dichloropropane	0.005	0	0	-1	0	0	0	0	0	0	0	0
1,3-Dichlorobenzene	0.18	0	0	0	0	0	0	0	0	0	0	0
1,4-Dichlorobenzene	0.075	0	0	0	0	0	0	0	0	0	0	0
2,4,6-Trichlorophenol	0.0061	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
2,4-Dichlorophenol	0.11	0	0	0	0	0	0	0	0	0	0	0
2,4-Dimethylphenol	0.73	0	0	0	0	0	0	0	0	0	0	0
2,4-Dinitrophenol	0.073	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1
2-Chlorobenzoic acid	7.3	0	1	1	1	1	1	1	1	1	1	1
2-Chloronaphthalene	0.49	0	0	0	0	0	0	0	0	0	0	0
2-Chlorophenol	0.03	0	0	0	0	0	0	0	0	0	0	0
2-Chlorotoluene	0.12	1	0	0	0	0	0	0	0	0	0	0
2-Nitrophenol	0.05	0	0	0	0	0	0	0	0	0	0	0
3-Chlorobenzoic acid	7.3	0	0	0	0	0	0	0	0	0	0	0
3-Chlorotoluene	0.12	0	0	0	0	0	0	0	0	0	0	0
4,6-Dinitro-2-methylphenol	0.0037	-13	-13	-5	-13	-13	-13	-13	-13	-13	-13	-13
4-Chloro-3-methylphenol	0.05	0	0	0	0	0	0	0	0	0	0	0
4-Chlorobenzoic acid	7.3	0	1	0	0	0	1	1	2	3	3	3
4-Chlorotoluene	0.12	1	0	0	0	0	0	0	0	0	0	0
4-Nitrophenol	0.05	-1	-1	0	-1	-1	-1	-1	-1	-1	-1	-1
Acenaphthene	0.37	0	0	0	0	0	0	0	0	0	0	0
Acenaphthylene	0.31	0	0	0	0	0	0	0	0	0	0	0
Anthracene	1.8	0	0	0	0	0	0	0	0	0	0	0
Benzene	0.005	26	26	24	18	22	24	30	48	56	58	56
Benzo(a)anthracene	0.000092	-102	-102	-109	217	13	7	-102	-102	-102	-102	-102
Benzo(a)pyrene	0.0002	-47	-47	-50	65	5	-47	-47	-47	-47	-47	-47
Benzo(b)fluoranthene	0.000092	-102	-102	-109	217	13	14	-102	-102	-102	-102	-102
Benzo(g,h,i)perylene	0.31	0	0	0	0	0	0	0	0	0	0	0
Benzoic acid	150	0	0	0	0	0	0	0	0	0	0	0
bis(2-Chloroethoxy)methane	0.005	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
bis(2-Ethylhexyl)phthalate (DEHP)	0.006	1	18	1	3	5	3	-3	6	37	18	14
Bromodichloromethane	0.08	0	0	0	0	0	0	0	0	0	0	0
Bromoform	0.08	0	0	0	0	0	0	0	0	0	0	0
Bromomethane (Methyl bromide)	0.0085	0	0	-1	0	0	0	0	0	0	0	0
Carbon disulfide	1	0	0	0	0	0	0	0	0	0	0	0
Carbon tetrachloride	0.005	0	0	-1	0	0	0	0	0	0	0	0
Chlorendic acid	0.05	26	22	9	10	10	9	8	8	11	10	6
Chlorobenzene	0.1	2	0	1	0	0	0	0	0	0	0	0
Chloroethane	0.0036	0	0	-1	0	0	0	0	0	0	0	0

Table 1

Exceedance Factors - Initial Screening
Hyde Park Landfill Site
Town of Niagara, New York

		Exceedance Factor										
Analyte	**Screening Level (mg/L)**	**2006**	**2007**	**2009**	**2010**	**2011**	**2012**	**2014**	**2015**	**2016**	**2017**	**2019**
Chloroform (Trichloromethane)	0.08	0	2	1	1	1	2	3	5	6	7	8
Chloromethane (Methyl chloride)	0.19	0	0	0	0	0	0	0	0	0	0	0
Chrysene	0.0092	-1	-1	-1	2	0	0	-1	-1	-1	-1	-1
cis-1,2-Dichloroethene	0.07	2	2	1	1	1	1	2	2	2	2	2
cis-1,3-Dichloropropene	0.00044	-2	-2	-11	-2	-2	-2	-2	-2	-2	-2	-2
Dibenz(a,h)anthracene	0.0000092	-1022	-1022	-1087	1739	141	152	-1022	-1022	-1022	-1022	-1022
Dichlorodifluoromethane (CFC-12)	0.35	0	0	0	0	0	0	0	0	0	0	0
Diethyl phthalate	29	0	0	0	0	0	0	0	0	0	0	0
Dimethyl phthalate	370	0	0	0	0	0	0	0	0	0	0	0
Di-n-butylphthalate (DBP)	3.7	0	0	0	0	0	0	0	0	0	0	0
Di-n-octyl phthalate (DnOP)	1.5	0	0	0	0	0	0	0	0	0	0	0
Ethylbenzene	0.7	0	0	0	0	0	0	0	0	0	0	0
Fluoranthene	1.5	0	0	0	0	0	0	0	0	0	0	0
Fluorene	0.24	0	0	0	0	0	0	0	0	0	0	0
Hexachlorobenzene	0.001	-9	-9	-10	7	-9	-9	-9	-9	-9	-9	-9
Hexachlorobutadiene	0.00086	-11	-11	-12	0	-11	-11	-11	-11	-11	-11	-11
Hexachlorocyclopentadiene	0.05	0	0	0	0	-1	-1	-1	-1	0	0	0
Hexachloroethane	0.0048	0	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Indeno(1,2,3-cd)pyrene	0.000092	-102	-102	-109	174	12	11	-102	-102	-102	-102	-102
Isophorone	0.07	0	0	0	0	0	0	0	0	0	0	0
Methylene chloride	0.03	0	0	0	0	0	0	0	0	0	0	0
m-Monochlorobenzotrifluoride	0.005	2	1	1	1	1	1	1	1	1	1	1
Naphthalene	0.0065	0	0	0	0	0	0	0	-1	1	1	0
o-Monochlorobenzotrifluoride	0.05	0	0	0	0	0	0	0	0	0	0	0
Pentachlorophenol	0.001	1	-47	-20	-9	-47	-47	-47	-47	-47	-47	-47
Phenanthrene	0.31	0	0	0	0	0	0	0	0	0	0	0
Phenol	11	0	0	0	0	0	0	0	0	0	0	0
p-Monochlorobenzotrifluoride	0.05	1	0	1	0	0	0	0	0	0	0	0
Pyrene	0.18	0	0	0	0	0	0	0	0	0	0	0
Tetrachloroethene	0.005	4	4	3	3	2	3	3	3	3	3	3
Toluene	1	0	0	0	0	0	0	0	0	0	0	0
trans-1,2-Dichloroethene	0.1	0	0	0	0	0	0	0	0	0	0	0
trans-1,3-Dichloropropene	0.00044	-2	-2	5	2	-2	5	-2	-2	-2	-2	-2
Trichloroethene	0.005	20	30	18	15	15	15	19	40	56	66	70
Vinyl chloride	0.002	25	22	34	18	18	18	22	24	35	45	55
Xylenes (total)	10	0	0	0	0	0	0	0	0	0	0	0

Notes:

33	- Exceedance Factor > 1.0
0	- Exceedance Factor ≤ 1.0 and ≥ 0
-102	- Exceedance Factor < 0; denotes that reporting limit was used as the maximum concentration in calculating the Exceedance Factor

Exceedance factor is the maximum concentration of the analyte detected in any Group A or Group B bedrock well for the given year divided by the site-specific screening level for that analyte.

Exceedance factors are rounded to the nearest whole number for display purposes, which includes a value of zero.

Table 2

Exceedance Factors - Detailed Screening
Hyde Park Landfill Site
Town of Niagara, New York

Analyte	Well	Exceedance Factor										
		2006	2007	2009	2010	2011	2012	2014	2015	2016	2017	2019
1,1,2,2-Tetrachloroethane	ABP-1-09				-19	-19		-19	-19	-19	-19	-19
	ABP-7-09	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	AFW-1L-11	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	AFW-2U-04	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	AFW-2U-05	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	AGW-1M-07	-19	-19	-94	-19	-19	-19	-19	-19		-19	-19
	AGW-1M-09	-38	-38	-94	-19	-19	-19	-19	-19	-19	-19	-19
	AGW-1U-05	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	AGW-1U-06	-19	-19	-94	-19	-19	-19	-19	-19		-19	-19
	B2L-11	-19	-19	-94	-19	-19	-57	-19	-19	-19	-19	-19
	C3-07	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	C3-09	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	D1L-11	-75	-94	-94	-94	-94	-94	-57	-57	-19	-19	-19
	D1M-09	-189	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	D1U-04	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	D1U-05	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	D2M-09	-19	-19	-94		-19	-19	-19	-19	-19	-19	-19
	D2U-04	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	D2U-05	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	E6-04	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	E6-05	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	E6-06	-38	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	E6-09	-94	-94	-94	-94	-94	-94	-94	-94	-19	-19	-19
	E6-11	-19	-19	-94	-19	-19	-94	-19	-19	-19	-19	-19
	F2L-11	-19	-38	-94	-38	-19	-19	-28	-38	-19	-19	-19
	F2M-09	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	F2U-02	-19	-19	-94	-19	-19	-19	-19	-19		-19	-19
	F2U-04	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	F6-04	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	F6-06	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	F6-11	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	G1L-11	-75	-94	-94	-94	-94	-94	-94	-94	-19	-19	-19
	G1M-06	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	G1U-01	40	-19	-94	-19	-19	-19	-19	-19	-19	-19	4
	G6-01	566	491	358	189	245	102	115	96	75	64	47
	G6-02	434	340	245	109	166	83	83	77	62	62	43
	G6-04	157	181	143	91	117	98	185	358	85	123	104
	G6-05	377	1623	981	755	1472	736	1585	2075	2075	2075	1887
	G6-06	25	170	-94	-19	-19	-19	-19	-19	15	-19	4
	G6-07	132	585	-94	-19	-19	-19	-19	-19	-19	-19	-19
	G6-11	66	30	-94	-75	-94	-94	-94	-94	-19	-19	-19
	H2M-06	16	26	-94	7	11	-19	7	8	-189	34	23
	H2M-09	-38	-38	-94	-38	-38	-57	-57	-19	-19	-19	-19
	H2U-01	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	H2U-02	-19	-38	-94	-38	-19	-19	-19	-19	-19	-19	-19
	H5-02	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	H5-04	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	H5-05	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	H5-07	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	H5-09	-38	-38	-94	-38	-19	-19	-19	-19	-19	-19	-19
	I1-01	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	I1-02	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	I1-04	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	I1-07	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	J6-02	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	J6-04	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	J6-05	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	J6-07	-19	-19	-94	-19	-19	-19	-19	-19	-19	-19	-19
	J6-11	-94	-94	-94	-75	-94	-94	-94	-94	-19	-19	-19
Benzene	ABP-1-09				0	0		0	0	0	0	0
	ABP-7-09	0	0	-1	0	0	0	0	0	0	0	0

Table 2

Exceedance Factors - Detailed Screening
Hyde Park Landfill Site
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Analyte	Well	Exceedance Factor										
		2006	2007	2009	2010	2011	2012	2014	2015	2016	2017	2019
Benzene	AFW-1L-11	0	0	-1	0	0	0	0	0	0	0	0
	AFW-2U-04	0	0	-1	0	0	0	0	0	0	0	0
	AFW-2U-05	0	0	-1	0	0	0	0	0	0	0	0
	AGW-1M-07	0	0	-1	0	0	0	0	0		0	0
	AGW-1M-09	2	1	1	0	0	0	0	0	0	0	0
	AGW-1U-05	0	0	-1	0	0	0	0	0	0	0	0
	AGW-1U-06	0	0	-1	0	0	0	0	0		0	0
	B2L-11	7	3	14	5	8	9	11	6	5	6	8
	C3-07	0	0	-1	0	0	0	0	0	0	0	0
	C3-09	0	0	-1	0	0	0	0	0	0	0	0
	D1L-11	18	17	16	14	22	15	13	16	19	24	20
	D1M-09	7	1	-1	1	3	1	1	1	1	1	1
	D1U-04	0	0	-1	0	0	0	0	0	0	0	0
	D1U-05	0	0	-1	0	0	0	0	0	0	0	0
	D2M-09	0	0	-1		0	0	0	0	0	0	0
	D2U-04	0	0	-1	0	0	0	0	0	0	0	0
	D2U-05	0	0	-1	0	0	0	0	0	0	0	0
	E6-04	0	0	-1	0	0	0	0	0	0	0	0
	E6-05	0	0	-1	0	0	0	0	0	0	0	0
	E6-06	6	0	-1	0	0	0	0	0	0	0	0
	E6-09	15	18	22	18	20	17	20	15	22	20	20
	E6-11	0	6	8	5	10	10	5	9	8	16	16
	F2L-11	6	10	6	5	3	2	3	3	5	4	7
	F2M-09	0	0	-1	0	0	0	0	0	0	0	0
	F2U-02	0	0	-1	0	0	0	0	0		0	0
	F2U-04	0	0	-1	0	0	0	0	0	0	0	0
	F6-04	0	0	-1	0	0	0	0	0	0	0	0
	F6-06	0	0	-1	0	0	0	0	0	0	0	0
	F6-11	6	4	1	5	6	5	6	5	6	6	6
	G1L-11	15	18	24	15	18	18	16	15	22	12	8
	G1M-06	0	0	-1	0	0	0	0	0	0	0	0
	G1U-01	0	0	-1	0	0	0	0	0	0	0	0
	G6-01	-1	0	-1	0	-1	-1	0	-1	0	0	0
	G6-02	-1	0	-1	0	0	-1	0	-1	0	0	0
	G6-04	3	2	1	2	1	3	5	13	5	9	7
	G6-05	13	10	16	16	20	24	30	48	56	58	56
	G6-06	0	2	-1	0	0	0	0	0	0	0	0
	G6-07	0	5	-1	0	0	0	0	0	0	0	0
	G6-11	20	26	14	15	18	19	20	22	22	22	22
	H2M-06	0	0	0	0	0	0	0	0	-2	0	1
	H2M-09	6	10	8	9	10	10	10	7	9	5	3
	H2U-01	0	0	-1	0	0	0	0	0	0	0	0
	H2U-02	0	1	1	1	1	1	1	1	1	1	1
	H5-02	0	0	-1	0	0	0	0	0	0	0	0
	H5-04	0	0	-1	0	0	0	0	0	0	0	0
	H5-05	0	0	-1	0	0	0	0	0	0	0	0
	H5-07	0	0	0	0	0	0	0	0	0	0	0
	H5-09	3	2	3	4	4	4	1	2	5	7	5
	I1-01	0	0	-1	0	0	0	0	0	0	0	0
	I1-02	0	0	-1	0	0	0	0	0	0	0	0
	I1-04	0	0	-1	0	0	0	0	0	0	0	0
	I1-07	0	0	-1	0	0	0	0	0	0	0	0
	J6-02	0	0	-1	0	0	0	0	0	0	0	0
	J6-04	0	0	-1	0	0	0	0	0	0	0	0
	J6-05	0	0	-1	0	0	0	0	0	0	0	0
	J6-07	0	0	-1	0	0	0	0	0	0	0	0
	J6-11	26	13	16	13	13	14	13	13	17	18	18
Chlorendic acid	ABP-1-09				-5	-5		-5	-5	-5	-5	-5
	ABP-7-09	-5	-5	1	-5	1	2	1	1	1	1	1
	AFW-1L-11	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	AFW-2U-04	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5

Table 2

Exceedance Factors - Detailed Screening
Hyde Park Landfill Site
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		Exceedance Factor										
Analyte	**Well**	**2006**	**2007**	**2009**	**2010**	**2011**	**2012**	**2014**	**2015**	**2016**	**2017**	**2019**
Chlorendic acid	AFW-2U-05	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	AGW-1M-07	-5	6	7	6	4	4	2	2	1	1	-5
	AGW-1M-09	-5	-5	3	2	2	2	3	3	3	3	2
	AGW-1U-05	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	AGW-1U-06	-5	-5	4	4	4	6	4	4	4	3	2
	B2L-11	-5	-5	5	6	5	6	3	3	4	3	4
	C3-07	-5	-5	1	-5	1	1	0	0	2	1	-5
	C3-09	-5	-5	1	-5	1	1	1	1	1	1	-5
	D1L-11	-5	-5	-5	-5	-5	-5	5	-5	-5	-5	-5
	D1M-09	26	22	6	4	7	5	5	5	4	5	3
	D1U-04	-5	-5	1	-5	1	1	1	1	0	1	-5
	D1U-05	-5	-5	2	-5	1	2	2	2	2	2	6
	D2M-09	-5	-5	2		2	3	2	3	3	4	2
	D2U-04	-5	-5	1	-5	-5	1	1	1	1	1	0
	D2U-05	-5	-5	4	-5	-5	1	0	0	2	2	2
	E6-04	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	E6-05	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	E6-06	-5	-5	1	-5	-5	0	0	0	-5	1	-5
	E6-09	-5	-5	1	-5	-5	-5	-5	-5	-5	-5	-5
	E6-11	-5	-5	1	-5	-5	2	0	-5	0	1	-5
	F2L-11	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	F2M-09	-5	-5	1	-5	8	0	0	0	0	0	-5
	F2U-02	6	9	6	6	4	5	4	5	6	6	4
	F2U-04	8	10	9	10	10	9	8	8	9	8	6
	F6-04	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	F6-06	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	F6-11	-5	-5	-5	-5	-5	0	-5	0	0	0	-5
	G1L-11	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	G1M-06	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	G1U-01	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	G6-01	-5	-5	1	-5	0	1	0	-2	0	0	-5
	G6-02	-5	-5	1	-5	-5	0	-5	-5	-5	-5	-5
	G6-04	-5	-5	2	1	1	2	3	4	3	3	2
	G6-05	8	13	6	5	5	7	6	8	11	10	5
	G6-06	-5	12	-5	-5	-5	-5	-5	-5	-5	-5	-5
	G6-07	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	G6-11	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	H2M-06	-5	-5	-5	-5	-5	1	1	1	1	-5	-5
	H2M-09	-5	-5	3	2	1	1	1	2	1	0	-5
	H2U-01	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	H2U-02	-5	-5	3	-5	3	3	2	2	2	2	2
	H5-02	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	H5-04	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	H5-05	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	H5-07	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	H5-09	-5	-5	2	1	2	2	2	2	2	2	2
	I1-01	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	I1-02	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	I1-04	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	I1-07	-5	-5	2	2	-5	-5	1	1	1	1	-5
	J6-02	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	J6-04	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	J6-05	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
	J6-07	-5	-5	2	1	2	3	3	2	2	2	2
	J6-11	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Trichloroethene	ABP-1-09				0	0		0	0	0	0	0
	ABP-7-09	0	0	-1	0	0	0	0	0	0	0	0
	AFW-1L-11	0	0	-1	0	0	0	0	0	0	0	0
	AFW-2U-04	0	0	-1	0	0	0	0	0	0	0	0
	AFW-2U-05	0	0	-1	0	0	0	0	0	0	0	0
	AGW-1M-07	0	0	-1	0	0	0	0	0		0	0

Table 2

Exceedance Factors - Detailed Screening
Hyde Park Landfill Site
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		Exceedance Factor										
Analyte	**Well**	**2006**	**2007**	**2009**	**2010**	**2011**	**2012**	**2014**	**2015**	**2016**	**2017**	**2019**
Trichloroethene	AGW-1M-09	0	0	-1	0	0	0	0	0	0	0	0
	AGW-1U-05	0	0	-1	0	0	0	0	0	0	0	0
	AGW-1U-06	0	0	-1	0	0	0	0	0		0	0
	B2L-11	0	0	-1	0	0	-1	0	0	0	0	0
	C3-07	0	0	-1	0	0	0	0	0	0	0	0
	C3-09	0	0	-1	0	0	0	0	0	0	0	0
	D1L-11	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0
	D1M-09	-2	0	-1	0	0	0	0	0	0	0	0
	D1U-04	0	0	-1	0	0	0	0	0	0	0	0
	D1U-05	0	0	-1	0	0	0	0	0	0	0	0
	D2M-09	0	0	-1		0	0	0	0	0	0	0
	D2U-04	0	0	-1	0	0	0	0	0	0	0	0
	D2U-05	0	0	-1	0	0	0	0	0	0	0	0
	E6-04	0	0	-1	0	0	0	0	0	0	0	0
	E6-05	0	0	-1	0	0	0	0	0	0	0	0
	E6-06	0	0	-1	0	0	0	0	0	0	0	0
	E6-09	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0
	E6-11	0	0	-1	0	0	-1	0	0	0	0	0
	F2L-11	0	0	-1	0	0	0	0	0	0	0	0
	F2M-09	0	0	-1	0	0	0	0	0	0	0	0
	F2U-02	0	0	-1	0	0	0	0	0		0	0
	F2U-04	0	0	-1	0	0	0	0	0	0	0	0
	F6-04	0	0	-1	0	0	0	0	0	0	0	0
	F6-06	0	0	-1	0	0	0	0	0	0	0	0
	F6-11	0	0	-1	0	0	0	0	0	0	0	0
	G1L-11	0	-1	-1	-1	-1	-1	-1	-1	0	0	0
	G1M-06	0	0	-1	0	0	0	0	0	0	0	0
	G1U-01	3	0	0	0	1	1	1	0	1	0	1
	G6-01	19	30	16	14	10	15	12	11	13	11	8
	G6-02	20	28	18	15	15	15	10	12	16	14	10
	G6-04	5	11	7	6	8	13	6	11	10	10	8
	G6-05	2	18	7	8	8	13	19	40	56	66	70
	G6-06	1	3	1	0	0	0	0	0	2	1	1
	G6-07	10	7	-1	0	0	0	0	0	0	0	0
	G6-11	8	6	1	1	1	0	0	0	0	0	0
	H2M-06	1	1	1	1	1	1	1	1	2	2	3
	H2M-09	0	1	0	1	1	1	1	0	1	0	0
	H2U-01	0	0	-1	0	0	0	0	0	0	0	0
	H2U-02	0	1	0	0	0	0	0	0	0	0	0
	H5-02	0	0	-1	0	0	0	0	0	0	0	0
	H5-04	0	0	-1	0	0	0	0	0	0	0	0
	H5-05	0	0	-1	0	0	0	0	0	0	0	0
	H5-07	1	1	0	0	0	0	0	0	0	0	0
	H5-09	0	0	-1	0	0	0	0	0	0	0	0
	I1-01	0	0	-1	0	0	0	0	0	0	0	0
	I1-02	0	0	-1	0	0	0	0	0	0	0	0
	I1-04	0	0	-1	0	0	0	0	0	0	0	0
	I1-07	0	0	-1	0	0	0	0	0	0	0	0
	J6-02	0	0	-1	0	0	0	0	0	0	0	0
	J6-04	0	0	-1	0	0	0	0	0	0	0	0
	J6-05	0	0	-1	0	0	0	0	0	0	0	0
	J6-07	0	0	-1	0	0	0	0	0	0	0	0
	J6-11	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0
Vinyl Chloride	ABP-1-09				0	0		0	0	0	0	0
	ABP-7-09	0	0	-2	0	0	0	0	0	0	0	0
	AFW-1L-11	0	0	-2	0	0	0	0	0	0	0	0
	AFW-2U-04	0	0	-2	0	0	0	0	0	0	0	0
	AFW-2U-05	0	0	-2	0	0	0	0	0	0	0	0
	AGW-1M-07	0	0	-2	0	0	0	0	0		0	0
	AGW-1M-09	-1	-1	-2	1	1	1	0	1	0	0	0
	AGW-1U-05	0	0	-2	0	0	0	0	0	0	0	0

Table 2

Exceedance Factors - Detailed Screening
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		Exceedance Factor										
Analyte	**Well**	**2006**	**2007**	**2009**	**2010**	**2011**	**2012**	**2014**	**2015**	**2016**	**2017**	**2019**
Vinyl Chloride	AGW-1U-06	2	4	4	5	4	3	2	2		1	1
	B2L-11	1	0	-2	0	0	-1	0	0	0	0	0
	C3-07	0	0	-2	0	0	0	0	0	0	0	0
	C3-09	0	0	-2	0	0	0	0	0	0	0	0
	D1L-11	-2	-2	-2	-2	-2	-2	0	-1	0	0	0
	D1M-09	-5	0	-2	0	0	1	0	0	0	0	0
	D1U-04	0	0	-2	0	0	0	0	0	0	0	0
	D1U-05	0	0	-2	0	0	0	0	0	0	0	0
	D2M-09	0	0	-2		1	1	0	0	0	0	0
	D2U-04	0	0	-2	0	0	0	0	0	0	0	0
	D2U-05	0	0	-2	0	0	0	0	0	0	0	0
	E6-04	0	0	-2	0	0	0	0	0	0	0	0
	E6-05	0	0	-2	0	0	0	0	0	0	0	0
	E6-06	-1	0	-2	0	0	0	0	0	0	0	0
	E6-09	-2	-2	-2	-2	-2	-2	-2	-2	0	0	0
	E6-11	0	0	-2	0	0	-2	0	0	0	0	0
	F2L-11	0	-1	-2	-1	0	0	-1	-1	0	0	0
	F2M-09	0	0	-2	0	0	0	0	0	0	0	0
	F2U-02	0	0	-2	0	0	0	0	0		0	0
	F2U-04	0	0	-2	0	0	0	0	0	0	0	0
	F6-04	0	0	-2	0	0	0	0	0	0	0	0
	F6-06	0	0	-2	0	0	0	0	0	0	0	0
	F6-11	0	0	-2	0	0	0	0	0	0	0	0
	G1L-11	-2	-2	-2	-2	-2	-2	-2	-2	0	0	0
	G1M-06	0	1	-2	0	0	0	0	0	0	0	0
	G1U-01	0	0	-2	0	0	0	0	0	0	0	0
	G6-01	25	22	34	18	6	5	3	1	2	1	0
	G6-02	21	20	25	13	10	7	5	3	3	1	0
	G6-04	13	17	33	9	10	11	11	10	6	10	13
	G6-05	7	11	19	16	18	18	22	24	35	45	55
	G6-06	2	2	-2	0	0	0	0	0	0	0	0
	G6-07	16	0	-2	0	0	0	0	0	0	0	0
	G6-11	2	5	8	2	1	-2	1	-2	0	0	0
	H2M-06	3	0	-2	1	1	1	0	0	-5	5	5
	H2M-09	-1	-1	-2	-1	0	-1	-1	0	1	1	0
	H2U-01	0	0	-2	0	0	0	0	0	0	0	0
	H2U-02	0	10	-2	4	4	3	2	1	0	1	1
	H5-02	0	0	-2	0	0	0	0	0	0	0	0
	H5-04	0	0	-2	0	0	0	0	0	0	0	0
	H5-05	0	0	-2	0	0	0	0	0	0	0	0
	H5-07	0	0	-2	0	0	0	0	0	0	0	0
	H5-09	-1	-1	-2	-1	0	0	0	0	1	0	0
	I1-01	0	0	-2	0	0	0	0	0	0	0	0
	I1-02	0	0	-2	0	0	0	0	0	0	0	0
	I1-04	0	0	-2	0	0	0	0	0	0	0	0
	I1-07	0	0	-2	0	0	0	0	0	0	0	0
	J6-02	0	0	-2	0	0	0	0	0	0	0	0
	J6-04	0	0	-2	0	0	0	0	0	0	0	0
	J6-05	0	0	-2	0	0	0	0	0	0	0	0
	J6-07	0	0	-2	1	1	1	0	0	0	0	0
	J6-11	-2	-2	-2	-2	-2	-2	-2	-2	0	0	0
Chloroform	ABP-1-09				0	0		0	0	0	0	0
	ABP-7-09	0	0	0	0	0	0	0	0	0	0	0
	AFW-1L-11	0	0	0	0	0	0	0	0	0	0	0
	AFW-2U-04	0	0	0	0	0	0	0	0	0	0	0
	AFW-2U-05	0	0	0	0	0	0	0	0	0	0	0
	AGW-1M-07	0	0	0	0	0	0	0	0		0	0
	AGW-1M-09	0	0	0	0	0	0	0	0	0	0	0
	AGW-1U-05	0	0	0	0	0	0	0	0	0	0	0
	AGW-1U-06	0	0	0	0	0	0	0	0		0	0
	B2L-11	0	0	0	0	0	0	0	0	0	0	0

Table 2

Exceedance Factors - Detailed Screening
Hyde Park Landfill Site
Town of Niagara, New York

Analyte	Well	Exceedance Factor 2006	2007	2009	2010	2011	2012	2014	2015	2016	2017	2019
Chloroform	C3-07	0	0	0	0	0	0	0	0	0	0	0
	C3-09	0	0	0	0	0	0	0	0	0	0	0
	D1L-11	0	0	0	0	0	0	0	0	0	0	0
	D1M-09	0	0	0	0	0	0	0	0	0	0	0
	D1U-04	0	0	0	0	0	0	0	0	0	0	0
	D1U-05	0	0	0	0	0	0	0	0	0	0	0
	D2M-09	0	0	0		0	0	0	0	0	0	0
	D2U-04	0	0	0	0	0	0	0	0	0	0	0
	D2U-05	0	0	0	0	0	0	0	0	0	0	0
	E6-04	0	0	0	0	0	0	0	0	0	0	0
	E6-05	0	0	0	0	0	0	0	0	0	0	0
	E6-06	0	0	0	0	0	0	0	0	0	0	0
	E6-09	0	0	0	0	0	0	0	0	0	0	0
	E6-11	0	0	0	0	0	0	0	0	0	0	0
	F2L-11	0	0	0	0	0	0	0	0	0	0	0
	F2M-09	0	0	0	0	0	0	0	0	0	0	0
	F2U-02	0	0	0	0	0	0	0	0		0	0
	F2U-04	0	0	0	0	0	0	0	0	0	0	0
	F6-04	0	0	0	0	0	0	0	0	0	0	0
	F6-06	0	0	0	0	0	0	0	0	0	0	0
	F6-11	0	0	0	0	0	0	0	0	0	0	0
	G1L-11	0	0	0	0	0	0	0	0	0	0	0
	G1M-06	0	0	0	0	0	0	0	0	0	0	0
	G1U-01	0	0	0	0	0	0	0	0	0	0	0
	G6-01	0	0	0	0	0	0	0	0	0	0	0
	G6-02	0	0	0	0	0	0	0	0	0	0	0
	G6-04	0	0	0	0	0	0	0	1	0	0	0
	G6-05	0	2	1	1	1	2	3	5	6	7	8
	G6-06	0	0	0	0	0	0	0	0	0	0	0
	G6-07	0	0	0	0	0	0	0	0	0	0	0
	G6-11	0	0	0	0	0	0	0	0	0	0	0
	H2M-06	0	0	0	0	0	0	0	0	0	0	1
	H2M-09	0	0	0	0	0	0	0	0	0	0	0
	H2U-01	0	0	0	0	0	0	0	0	0	0	0
	H2U-02	0	0	0	0	0	0	0	0	0	0	0
	H5-02	0	0	0	0	0	0	0	0	0	0	0
	H5-04	0	0	0	0	0	0	0	0	0	0	0
	H5-05	0	0	0	0	0	0	0	0	0	0	0
	H5-07	0	0	0	0	0	0	0	0	0	0	0
	H5-09	0	0	0	0	0	0	0	0	0	0	0
	I1-01	0	0	0	0	0	0	0	0	0	0	0
	I1-02	0	0	0	0	0	0	0	0	0	0	0
	I1-04	0	0	0	0	0	0	0	0	0	0	0
	I1-07	0	0	0	0	0	0	0	0	0	0	0
	J6-02	0	0	0	0	0	0	0	0	0	0	0
	J6-04	0	0	0	0	0	0	0	0	0	0	0
	J6-05	0	0	0	0	0	0	0	0	0	0	0
	J6-07	0	0	0	0	0	0	0	0	0	0	0
	J6-11	0	0	0	0	0	0	0	0	0	0	0
bis(2-Ethylhexyl)phthalate (DEHP)	ABP-1-09				-2	-3		-3	-3	1	-2	-2
	ABP-7-09	-2	-2	-2	-2	-3	-3	-3	2	-2	-2	-2
	AFW-1L-11	1	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	AFW-2U-04	1	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	AFW-2U-05	1	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	AGW-1M-07	-2	-2	-2	-2	-3	-3	-3	-3		-2	-2
	AGW-1M-09	1	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	AGW-1U-05	1	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	AGW-1U-06	1	1	-2	-2	-3	-3	-3	-3		-2	-2
	B2L-11	-2	-2	-2	-2	-3	-3	-3	-3	0	-2	2
	C3-07	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	C3-09	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2

Table 2

Exceedance Factors - Detailed Screening
Hyde Park Landfill Site
Town of Niagara, New York

		Exceedance Factor										
Analyte	**Well**	**2006**	**2007**	**2009**	**2010**	**2011**	**2012**	**2014**	**2015**	**2016**	**2017**	**2019**
bis(2-Ethylhexyl)phthalate (DEHP)	D1L-11	-2	0	-2	-2	-3	-3	-3	-3	0	1	-2
	D1M-09	-2	0	-2	-2	-3	-3	-3	-3	-2	-2	-2
	D1U-04	-2	0	-2	-2	-3	-3	-3	-3	-2	-2	-2
	D1U-05	-2	2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	D2M-09	-2	-2	-2		-3	-3	-3	-3	-2	-2	-2
	D2U-04	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	D2U-05	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	E6-04	1	-2	-2	-2	2	3	-4	6	37	18	14
	E6-05	-2	0	-2	-2	-3	-3	-3	-3	0	-2	-2
	E6-06	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	E6-09	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	E6-11	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	F2L-11	-2	0	-2	-2	-3	-3	-3	-3	-2	-2	-2
	F2M-09	1	0	-2	-2	-3	-3	-3	-3	-2	-2	-2
	F2U-02	-2	18	-2	-2	-3	-3	-3	-3		-2	-2
	F2U-04	-2	1	-2	-2	-3	-3	-3	-3	-2	-2	-2
	F6-04	-2	0	-2	-2	-3	-3	-3	-3	-2	-2	-2
	F6-06	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	F6-11	-2	-2	-2	-2	-3	-3	-3	4	-2	-2	-2
	G1L-11	-2	-2	-2	-2	-3	-3	-3	4	-2	-2	-2
	G1M-06	-2	0	-2	-2	-3	-3	-3	3	-2	-2	-2
	G1U-01	-2	-2	-2	-2	-3	-3	-3	5	-2	-2	-2
	G6-01	-2	0	-2	-2	-3	-3	-3	-3	-2	-2	-2
	G6-02	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	G6-04	-2	1	-2	-2	-3	-3	-3	-3	-2	-2	-2
	G6-05	1	-2	-2	-2	-6	-3	-3	-3	-2	-2	-2
	G6-06	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	G6-07	-2	0	-2	-2	-3	-3	-3	-3	-2	-2	-2
	G6-11	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	H2M-06	-2	-2	-2	-2	5	-3	-3	-3	-2	-2	-2
	H2M-09	-2	-2	1	-2	-3	-3	-3	-3	-2	-2	4
	H2U-01	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	H2U-02	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	H5-02	-2	0	-2	-2	-3	-3	-3	-3	-2	-2	-2
	H5-04	-2	0	-2	3	-3	-3	-3	-3	-2	-2	-2
	H5-05	1	0	-2	-2	-3	-3	-3	-3	-2	-2	-2
	H5-07	1	1	-2	-2	-3	-3	-3	-3	-2	-2	-2
	H5-09	1	1	-2	-2	-3	-3	-3	-3	-2	-2	-2
	I1-01	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	I1-02	-2	1	-2	-2	-3	-3	-3	-3	-2	-2	-2
	I1-04	1	0	-2	-2	-3	-3	-3	-3	-2	-2	-2
	I1-07	-2	0	-2	-2	-3	-3	-3	-3	-2	-2	-2
	J6-02	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	J6-04	-2	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	J6-05	1	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	J6-07	1	-2	-2	-2	-3	-3	-3	-3	-2	-2	-2
	J6-11	-2	-2	-2	-2	-6	-3	-3	-3	-2	-2	-2

Notes:

33	- Exceedance Factor > 1.0
0	- Exceedance Factor ≤ 1.0 and ≥ 0
-102	- Exceedance Factor < 0; denotes that reporting limit was used as the maximum concentration in calculating the Exceedance Factor
	- No value

Exceedance factor is the maximum concentration of the analyte detected in the given bedrock well for the given year divided by the site-specific screening level for that analyte.
Exceedance factors are rounded to the nearest whole number for display purposes, which includes a value of zero.