

Table 1: Soil Analytical Results
Leslie Science Nature Center
Ann Arbor, Michigan

Sample And Depth	CAS	Parameter	Result (ug/Kg)	Statewide Default Background Levels	Soil Residential Part 201 Generic Cleanup Criteria and Screening Levels; Part 213 Tier 1 Risk Based Screening Levels (RBSLs)								Soil Nonresidential	
					Groundwater Protection		Indoor Air	Ambient Air			Contact		Contact	
					Drinking Water Protection Criteria And RBSLs	Groundwater Surface Water Interface Protection Criteria And RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria And RBSLs	Infinite Source Volatile Soil Inhalation Criteria And RBSLs	Finite VSIC for 5 Meter Source Thickness	Finite VSIC for 2 Meter Source Thickness	Particulate Soil Inhalation Criteria And RBSLs	Residential Direct Contact Criteria And RBSLs	Nonresidential Direct Contact Criteria And RBSLs	
GP-19-01-0.5-1.5' 05/30/2019	Metals													
	7440-38-2	Arsenic	25,000	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	52,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	400	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	11,000	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	24,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	79,000	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	150,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	7782-49-2	Selenium	340	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000	
	7440-22-4	Silver	30 J	1,000	4,500	100; 27 (M)	NLV	NLV	NLV	NLV	6,700,000	2,500,000	9,000,000	
	7439-97-6	Mercury	70	130	1,700	50; 1.2 (M)	48,000	52,000	52,000	52,000	20,000,000	160,000	580,000	
	Organochlorine Pesticides													
	72-55-9	4,4'-DDE	51	NA	NLL	NLL	NLV	NLV	NLV	NLV	32,000,000	45,000	190,000	
	50-29-3	4,4'-DDT	41	NA	NLL	NLL	NLV	NLV	NLV	NLV	32,000,000	57,000	280,000	
	319-84-6	alpha-BHC	1.2 J	NA	18	ID	30,000	12,000	22,000	25,000	1,700,000	2,600	12,000	
	SVOCS													
	218-01-9	Chrysene	5.7 J	NA	NLL	NLL	ID	ID	ID	ID	ID	2,000,000	8,000,000	
	85-01-8	Phenanthrene	4.1 J	NA	56,000	2,100	2,800,000	160,000	160,000	160,000	6,700,000	1,600,000	5,200,000	
	General Chemistry													
	7727-37-9	Nitrogen, Kjeldahl	590,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
7723-14-0	Phosphorus	78,000 B	NA	1,300,000	EE	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)		
7727-37-9	Nitrogen, Total	670,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
1479-75-58	Nitrate as N	2,700 J	NA	200,000 (N)	ID	NA	NLV	NLV	NLV	ID	ID	ID		
GP-19-01-12.5-13.5' 05/30/2019	Metals													
	7440-38-2	Arsenic	8,600	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	32,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	210	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	11,000 F1	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	15,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	6,300 F1	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	41,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	7782-49-2	Selenium	280	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000	
	SVOCS													
	91-57-6	2-Methylnaphthalene	7.3 J	NA	57,000	4,200	2,700,000	1,500,000	1,500,000	1,500,000	670,000,000	8,100,000	26,000,000	
	218-01-9	Chrysene	4.7 J	NA	NLL	NLL	ID	ID	ID	ID	ID	2,000,000	8,000,000	
	85-01-8	Phenanthrene	26 J	NA	56,000	2,100	2,800,000	160,000	160,000	160,000	6,700,000	1,600,000	5,200,000	
	VOCs													
	56-23-5	Carbon tetrachloride	580	NA	100	760 (X)	190	3,500	12,000	28,000	130,000,000	96,000	440,000 (C)	
	67-66-3	Chloroform	34 J	NA	1,600 (W)	7,000	7,200	45,000	120,000	270,000	1,300,000,000	1,200,000	5,500,000 (C)	
	127-18-4	Tetrachloroethene	10,000	NA	100	1,200 (X)	11,000	170,000	480,000	1,100,000	2,700,000,000	200,000 (C)	930,000 (C)	
	79-01-6	Trichloroethene	57	NA	100	4,000 (X)	1,000	11,000	25,000	57,000	130,000,000	110,000 (DD)	660,000 (C, DD)	
	General Chemistry													
	7727-37-9	Nitrogen, Kjeldahl	280,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
7723-14-0	Phosphorus	73,000 B	NA	1,300,000	EE	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)		
7727-37-9	Nitrogen, Total	290,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
1479-75-58	Nitrate as N	720 J	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID		
GP-19-02-0.5-1.5' 05/30/2019	Metals													
	7440-38-2	Arsenic	12,000	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	46,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	260	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	18,000	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	28,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	11,000	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	72,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	7782-49-2	Selenium	240 J	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000	
	7440-22-4	Silver	27 J	1,000	4,500	100; 27 (M)	NLV	NLV	NLV	NLV	6,700,000	2,500,000	9,000,000	
	7439-97-6	Mercury	57	130	1,700	50; 1.2 (M)	48,000	52,000	52,000	52,000	20,000,000	160,000	580,000	
	General Chemistry													
	7727-37-9	Nitrogen, Kjeldahl	790,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7723-14-0	Phosphorus	96 B	NA	1,300,000	EE	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)	
	7727-37-9	Nitrogen, Total	940,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	1479-76-50	Nitrite as N	260 J	NA	20,000 (N)	NA	NLV	NLV	NLV	NLV	ID	ID	ID	
	1479-75-58	Nitrate as N	3,700 J	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID	

**Table 1: Soil Analytical Results
Leslie Science Nature Center
Ann Arbor, Michigan**

Sample And Depth	CAS	Parameter	Result (ug/Kg)	Statewide Default Background Levels	Drinking Water Protection Criteria And RBSLs	Groundwater Surface Water Interface Protection Criteria And RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria And RBSLs	Infinite Source Volatile Soil Inhalation Criteria And RBSLs	Finite VSIC for 5 Meter Source Thickness	Finite VSIC for 2 Meter Source Thickness	Particulate Soil Inhalation Criteria And RBSLs	Residential Direct Contact Criteria And RBSLs	Nonresidential Direct Contact Criteria And RBSLs
GP-19-02-13-14' 05/30/2019	Metals												
	7440-38-2	Arsenic	8,300	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000
	7440-39-3	Barium	12,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000
	7440-43-9	Cadmium	230	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000
	7440-47-3	Chromium	6,300	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000
	7440-50-8	Copper	14,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000
	7439-92-1	Lead	6,600	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)
	7440-66-6	Zinc	43,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000
	SVOCs												
	117-81-7	Bis(2-ethylhexyl) phthalate	66 J	NA	NLL	NLL	NLV	NLV	NLV	NLV	700,000,000	2,800,000	12,000,000 (C)
	VOCs												
	56-23-5	Carbon tetrachloride	350	NA	100	760 (X)	190	3,500	12,000	28,000	130,000,000	96,000	440,000 (C)
	67-66-3	Chloroform	18 J	NA	1,600 (W)	7,000	7,200	45,000	120,000	270,000	1,300,000,000	1,200,000	5,500,000 (C)
	127-18-4	Tetrachloroethene	6,500	NA	100	1,200 (X)	11,000	170,000	480,000	1,100,000	2,700,000,000	200,000 (C)	930,000 (C)
	79-01-6	Trichloroethene	39 J	NA	100	4,000 (X)	1,000	11,000	25,000	57,000	130,000,000	110,000 (DD)	660,000 (C, DD)
	General Chemistry												
	7727-37-9	Nitrogen, Kjeldahl	210,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	72,000 B	NA	1,300,000	EE	NA	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)
	7727-37-9	Nitrogen, Total	230,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1479-75-58	Nitrate as N	1,400 J	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID
GP-19-03-4.5-5.5' 05/30/2019	Metals												
	7440-38-2	Arsenic	8,200	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000
	7440-39-3	Barium	42,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000
	7440-43-9	Cadmium	220	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000
	7440-47-3	Chromium	10,000	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000
	7440-50-8	Copper	14,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000
	7439-92-1	Lead	5,900	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)
	7440-66-6	Zinc	36,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000
	SVOCs												
	67-72-1	Hexachloroethane	13 J	NA	430	1,800 (X)	40,000	550,000	930,000	930,000	230,000,000	230,000	730,000
	VOCs												
	56-23-5	Carbon tetrachloride	91	NA	100	760 (X)	190	3,500	12,000	28,000	130,000,000	96,000	440,000 (C)
	127-18-4	Tetrachloroethene	13,000	NA	100	1,200 (X)	11,000	170,000	480,000	1,100,000	2,700,000,000	200,000 (C)	930,000 (C)
	79-01-6	Trichloroethene	22 J	NA	100	4,000 (X)	1,000	11,000	25,000	57,000	130,000,000	110,000 (DD)	660,000 (C, DD)
	General Chemistry												
	7727-37-9	Nitrogen, Kjeldahl	360,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	110,000 B	NA	1,300,000	EE	NA	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)
	7727-37-9	Nitrogen, Total	420,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1479-76-50	Nitrite as N	240 J	NA	20,000 (N)	NA	NLV	NLV	NLV	NLV	ID	ID	ID
	1479-75-58	Nitrate as N	860 J	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID
GP-19-03-11.5-12.5' 05/30/2019	Metals												
	7440-38-2	Arsenic	6,700	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000
	7440-39-3	Barium	15,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000
	7440-43-9	Cadmium	230	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000
	7440-47-3	Chromium	7,100	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000
	7440-50-8	Copper	12,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000
	7439-92-1	Lead	6,200	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)
	7440-66-6	Zinc	54,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000
	7782-49-2	Selenium	94 J	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000
	VOCs												
	56-23-5	Carbon tetrachloride	450	NA	100	760 (X)	190	3,500	12,000	28,000	130,000,000	96,000	440,000 (C)
	67-66-3	Chloroform	15 J	NA	1,600 (W)	7,000	7,200	45,000	120,000	270,000	1,300,000,000	1,200,000	5,500,000 (C)
	127-18-4	Tetrachloroethene	33,000	NA	100	1,200 (X)	11,000	170,000	480,000	1,100,000	2,700,000,000	200,000 (C)	930,000 (C)
	79-01-6	Trichloroethene	83	NA	100	4,000 (X)	1,000	11,000	25,000	57,000	130,000,000	110,000 (DD)	660,000 (C, DD)
	General Chemistry												
	7727-37-9	Nitrogen, Kjeldahl	220,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	91,000 B	NA	1,300,000	EE	NA	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)
	7727-37-9	Nitrogen, Total	230,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1479-75-58	Nitrate as N	1,400 J	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID

Table 1: Soil Analytical Results
Leslie Science Nature Center
Ann Arbor, Michigan

Sample And Depth	CAS	Parameter	Result (ug/Kg)	Statewide Default Background Levels	Drinking Water Protection Criteria And RBSLs	Groundwater Surface Water Interface Protection Criteria And RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria And RBSLs	Infinite Source Volatile Soil Inhalation Criteria And RBSLs	Finite VSIC for 5 Meter Source Thickness	Finite VSIC for 2 Meter Source Thickness	Particulate Soil Inhalation Criteria And RBSLs	Residential Direct Contact Criteria And RBSLs	Nonresidential Direct Contact Criteria And RBSLs	
GP-19-04-0-1' 05/30/2019	Metals													
	7440-38-2	Arsenic	4,100	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	51,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	75 J	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	10,000	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	8,400	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	6,800	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	29,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	7439-97-6	Mercury	25 J	130	1,700	50; 1.2 (M)	48,000	52,000	52,000	52,000	20,000,000	160,000	580,000	
	SVOCs													
	56-55-3	Benzo[a]anthracene	7.0 J	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	20,000	80,000	
	205-99-2	Benzo[b]fluoranthene	14 J	NA	NLL	NLL	ID	ID	ID	ID	ID	20,000	80,000	
	218-01-9	Chrysene	9.7 J	NA	NLL	NLL	ID	ID	ID	ID	ID	2,000,000	8,000,000	
	206-44-0	Fluoranthene	17 J	NA	730,000	5,500	1,000,000,000 (D)	740,000,000	740,000,000	740,000,000	9,300,000,000	46,000,000	130,000,000	
	193-39-5	Indeno[1,2,3-cd]pyrene	9.9 J	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	20,000	80,000	
	85-01-8	Phenanthrene	6.9 J	NA	56,000	2,100	2,800,000	160,000	160,000	160,000	6,700,000	1,600,000	5,200,000	
	129-00-0	Pyrene	14 J	NA	480,000	ID	1,000,000,000 (D)	650,000,000	650,000,000	650,000,000	6,700,000,000	29,000,000	84,000,000	
	General Chemistry													
	7727-37-9	Nitrogen, Kjeldahl	410,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	79,000 B	NA	1,300,000	EE	NA	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)
	7727-37-9	Nitrogen, Total	490,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1479-76-50	Nitrite as N	330 J	NA	20,000 (N)	NA	NA	NLV	NLV	NLV	NLV	ID	ID	ID	
GP-19-05-0.5-1.5' 05/30/2019	Metals													
	7440-38-2	Arsenic	9,300	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	47,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	67 J	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	17,000	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	21,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	11,000	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	54,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	7782-49-2	Selenium	230 J	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000	
	7439-97-6	Mercury	35 J	130	1,700	50; 1.2 (M)	48,000	52,000	52,000	52,000	20,000,000	160,000	580,000	
	Organochlorine Pesticides													
	319-84-6	alpha-BHC	23 J	NA	18	ID	30,000	12,000	22,000	25,000	1,700,000	2,600	12,000	
	SVOCs													
	218-01-9	Chrysene	4.3 J	NA	NLL	NLL	ID	ID	ID	ID	ID	2,000,000	8,000,000	
	206-44-0	Fluoranthene	5.7 J	NA	730,000	5,500	1,000,000,000 (D)	740,000,000	740,000,000	740,000,000	9,300,000,000	46,000,000	130,000,000	
	129-00-0	Pyrene	4.1 J	NA	480,000	ID	1,000,000,000 (D)	650,000,000	650,000,000	650,000,000	6,700,000,000	29,000,000	84,000,000	
	General Chemistry													
	7727-37-9	Nitrogen, Kjeldahl	830,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	28,000 B	NA	1,300,000	EE	NA	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)
	7727-37-9	Nitrogen, Total	980,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1479-76-50	Nitrite as N	420 J	NA	20,000 (N)	NA	NA	NLV	NLV	NLV	NLV	ID	ID	ID
1479-75-58	Nitrate as N	1,600 J	NA	200,000 (N)	ID	NA	NLV	NLV	NLV	NLV	ID	ID	ID	
GP-19-05-9-10' 05/30/2019	Metals													
	7440-38-2	Arsenic	3,500	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	12,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	160	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	3,900	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	8,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	4,200	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	22,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	SVOCs													
	117-81-7	Bis(2-ethylhexyl) phthalate	1,100	NA	NLL	NLL	NLV	NLV	NLV	NLV	NLV	700,000,000	2,800,000	12,000,000 (C)
	VOCs													
	56-23-5	Carbon tetrachloride	290	NA	100	760 (X)	190	3,500	12,000	28,000	130,000,000	96,000	440,000 (C)	
	67-66-3	Chloroform	18 J	NA	1,600 (W)	7,000	7,200	45,000	120,000	270,000	1,300,000,000	1,200,000	5,500,000 (C)	
	127-18-4	Tetrachloroethene	4,200	NA	100	1,200 (X)	11,000	170,000	480,000	1,100,000	2,700,000,000	200,000 (C)	930,000 (C)	
	79-01-6	Trichloroethene	19 J	NA	100	4,000 (X)	1,000	11,000	25,000	57,000	130,000,000	110,000 (DD)	660,000 (C, DD)	
	General Chemistry													
	7727-37-9	Nitrogen, Kjeldahl	140,000 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	68,000 B	NA	1,300,000	EE	NA	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)
	7727-37-9	Nitrogen, Total	150,000 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1479-75-58	Nitrate as N	1,200 J	NA	200,000 (N)	ID	NA	NLV	NLV	NLV	NLV	ID	ID	ID

**Table 1: Soil Analytical Results
Leslie Science Nature Center
Ann Arbor, Michigan**

Sample And Depth	CAS	Parameter	Result (ug/Kg)	Statewide Default Background Levels	Drinking Water Protection Criteria And RBSLs	Groundwater Surface Water Interface Protection Criteria And RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria And RBSLs	Infinite Source Volatile Soil Inhalation Criteria And RBSLs	Finite VSIC for 5 Meter Source Thickness	Finite VSIC for 2 Meter Source Thickness	Particulate Soil Inhalation Criteria And RBSLs	Residential Direct Contact Criteria And RBSLs	Nonresidential Direct Contact Criteria And RBSLs	
GP-19-06-0-1' 05/31/2019	Metals													
	7440-38-2	Arsenic	17,000	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	64,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	110	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	8,300	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	22,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	23,000	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	27,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	7782-49-2	Selenium	190 J	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000	
	7440-22-4	Silver	28 J	1,000	4,500	100; 27 (M)	NLV	NLV	NLV	NLV	6,700,000	2,500,000	9,000,000	
	7439-97-6	Mercury	30 J	130	1,700	50; 1.2 (M)	48,000	52,000	52,000	52,000	20,000,000	160,000	580,000	
	General Chemistry													
	7664-41-7	Ammonia	47,000 J	NA	ID	(CC)	ID	ID	ID	ID	ID	6,700,000,000	ID	ID
	7727-37-9	Nitrogen, Kjeldahl	350,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	200,000	NA	1,300,000	(EE)	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)	
	7727-37-9	Nitrogen, Total	420,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1479-76-50	Nitrite as N	290 J	NA	20,000 (N)	NA	NLV	NLV	NLV	NLV	ID	ID	ID	
1479-75-58	Nitrate as N	1,100 J	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID		
GP-19-07-0-1' 05/31/2019	Metals													
	7440-38-2	Arsenic	27,000	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	39,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	130	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	8,600	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	55,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	94,000	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	33,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	7782-49-2	Selenium	190 J	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000	
	7439-97-6	Mercury	40 J	130	1,700	50; 1.2 (M)	48,000	52,000	52,000	52,000	20,000,000	160,000	580,000	
	General Chemistry													
	7664-41-7	Ammonia	58,000 J	NA	ID	(CC)	ID	ID	ID	ID	ID	6,700,000,000	ID	ID
	7727-37-9	Nitrogen, Kjeldahl	410,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	310,000	NA	1,300,000	(EE)	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)	
	7727-37-9	Nitrogen, Total	590,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1479-76-50	Nitrite as N	220 J	NA	20,000 (N)	NA	NLV	NLV	NLV	NLV	ID	ID	ID	
	1479-75-58	Nitrate as N	5,200 J	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID	
GP-19-08-0-1' 05/30/2019	Metals													
	7440-38-2	Arsenic	6,100	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	36,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	82	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	12,000	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	10,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	8,400	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	34,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	7782-49-2	Selenium	160 J	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000	
	7440-22-4	Silver	21 J	1,000	4,500	100; 27 (M)	NLV	NLV	NLV	NLV	6,700,000	2,500,000	9,000,000	
	7439-97-6	Mercury	860	130	1,700	50; 1.2 (M)	48,000	52,000	52,000	52,000	20,000,000	160,000	580,000	
	General Chemistry													
	7727-37-9	Nitrogen, Kjeldahl	530,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	100,000	NA	1,300,000	(EE)	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)	
	7727-37-9	Nitrogen, Total	650,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1479-76-50	Nitrite as N	220 J	NA	20,000 (N)	NA	NLV	NLV	NLV	NLV	ID	ID	ID	
	1479-75-58	Nitrate as N	6,900	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID	
GP-19-08-14-15' 05/30/2019	Metals													
	7440-38-2	Arsenic	3,900	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	11,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	200	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	6,100	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	11,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	4,000	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	30,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	VOCs													
	56-23-5	Carbon tetrachloride	42 J	NA	100	760 (X)	190	3,500	12,000	28,000	130,000,000	96,000	440,000 (C)	
127-18-4	Tetrachloroethene	1,000	NA	100	1,200 (X)	11,000	170,000	480,000	1,100,000	2,700,000,000	200,000 (C)	930,000 (C)		
General Chemistry														
7727-37-9	Nitrogen, Kjeldahl	170,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
7723-14-0	Phosphorus	150,000	NA	1,300,000	EE	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)		
7727-37-9	Nitrogen, Total	180,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1479-75-58	Nitrate as N	620 J	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID		

**Table 1: Soil Analytical Results
Leslie Science Nature Center
Ann Arbor, Michigan**

Sample And Depth	CAS	Parameter	Result (ug/Kg)	Statewide Default Background Levels	Drinking Water Protection Criteria And RBSLs	Groundwater Surface Water Interface Protection Criteria And RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria And RBSLs	Infinite Source Volatile Soil Inhalation Criteria And RBSLs	Finite VSIC for 5 Meter Source Thickness	Finite VSIC for 2 Meter Source Thickness	Particulate Soil Inhalation Criteria And RBSLs	Residential Direct Contact Criteria And RBSLs	Nonresidential Direct Contact Criteria And RBSLs
HA-19-01-0-1' 05/31/2019	Metals												
	7440-38-2	Arsenic	19,000	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000
	7440-39-3	Barium	400,000 F1	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000
	7440-43-9	Cadmium	21,000 F1	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000
	7440-47-3	Chromium	70,000	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000
	7440-50-8	Copper	370,000 F2	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000
	7439-92-1	Lead	470,000 F2	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)
	7440-66-6	Zinc	3,400,000 F2	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	170,000,000 ID	170,000,000	630,000,000
	7782-49-2	Selenium	600	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000
	7440-22-4	Silver	1,300	1,000	4,500	100; 27 (M)	NLV	NLV	NLV	NLV	6,700,000	2,500,000	9,000,000
	7439-97-6	Mercury	11,000	130	1,700	50; 1.2 (M)	48,000	52,000	52,000	52,000	20,000,000	160,000	580,000
	Organochlorine Pesticides												
	50-29-3	4,4'-DDT	32 J	NA	NLL	NLL	NLV	NLV	NLV	NLV	32,000,000	57,000	280,000
	SVOCs												
	205-99-2	Benzo[b]fluoranthene	66 J	NA	NLL	NLL	ID	ID	ID	ID	ID	20,000	80,000
	191-24-2	Benzo[g,h,i]perylene	160 J	NA	NLL	NLL	NLV	NLV	NLV	NLV	800,000,000	2,500,000	7,000,000
	218-01-9	Chrysene	46 J	NA	NLL	NLL	ID	ID	ID	ID	ID	2,000,000	8,000,000
	206-44-0	Fluoranthene	69 J	NA	730,000	5,500	1,000,000,000 (D)	740,000,000	740,000,000	740,000,000	9,300,000,000	46,000,000	130,000,000
	129-00-0	Pyrene	83 J	NA	480,000	ID	1,000,000,000 (D)	650,000,000	650,000,000	650,000,000	6,700,000,000	29,000,000	84,000,000
	VOCs												
	127-18-4	Tetrachloroethene	62 J	NA	100	1,200 (X)	11,000	170,000	480,000	1,100,000	2,700,000,000	200,000 (C)	930,000 (C)
	General Chemistry												
	7664-41-7	Ammonia	95,000	NA	ID	(CC)	ID	ID	ID	ID	6,700,000,000	ID	ID
	7727-37-9	Nitrogen, Kjeldahl	3,100,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	580,000	NA	1,300,000	EE	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)
	7727-37-9	Nitrogen, Total	4,300,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1479-75-58	Nitrate as N	2,400 J	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID
	HA-19-03-0-1' 05/31/2019	Metals											
7440-38-2		Arsenic	13,000	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000
7440-39-3		Barium	260,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000
7440-43-9		Cadmium	950	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000
7440-47-3		Chromium	13,000	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000
7440-50-8		Copper	40,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000
7439-92-1		Lead	140,000	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)
7440-66-6		Zinc	260,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	170,000,000 ID	170,000,000	630,000,000
7782-49-2		Selenium	670	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000
7440-22-4		Silver	150	1,000	4,500	100; 27 (M)	NLV	NLV	NLV	NLV	6,700,000	2,500,000	9,000,000
7439-97-6		Mercury	500	130	1,700	50; 1.2 (M)	48,000	52,000	52,000	52,000	20,000,000	160,000	580,000
Organochlorine Pesticides													
72-55-9		4,4'-DDE	6.1	NA	NLL	NLL	NLV	NLV	NLV	NLV	32,000,000	45,000	190,000
50-29-3		4,4'-DDT	10	NA	NLL	NLL	NLV	NLV	NLV	NLV	32,000,000	57,000	280,000
SVOCs													
91-57-6		2-Methylnaphthalene	5.3 J	NA	57,000	4,200	2,700,000	1,500,000	1,500,000	1,500,000	670,000,000	8,100,000	26,000,000
56-55-3		Benzo[a]anthracene	9.9 J	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	20,000	80,000
50-32-8		Benzo[a]pyrene	15 J	NA	NLL	NLL	NLV	NLV	NLV	NLV	1,500,000	2,000	8,000
205-99-2		Benzo[b]fluoranthene	23 J	NA	NLL	NLL	ID	ID	ID	ID	ID	20,000	80,000
191-24-2		Benzo[g,h,i]perylene	15 J	NA	NLL	NLL	NLV	NLV	NLV	NLV	800,000,000	2,500,000	7,000,000
218-01-9		Chrysene	19 J	NA	NLL	NLL	ID	ID	ID	ID	ID	2,000,000	8,000,000
206-44-0		Fluoranthene	23 J	NA	730,000	5,500	1,000,000,000 (D)	740,000,000	740,000,000	740,000,000	9,300,000,000	46,000,000	130,000,000
193-39-5		Indeno[1,2,3-cd]pyrene	8.8 J	NA	NLL	NLL	NLV	NLV	NLV	NLV	ID	20,000	80,000
91-20-3		Naphthalene	5.2 J	NA	35,000	730	250,000	300,000	300,000	300,000	200,000,000	16,000,000	52,000,000
85-01-8		Phenanthrene	19 J	NA	56,000	2,100	2,800,000	160,000	160,000	160,000	6,700,000	1,600,000	5,200,000
129-00-0		Pyrene	19 J	NA	480,000	ID	1,000,000,000 (D)	650,000,000	650,000,000	650,000,000	6,700,000,000	29,000,000	84,000,000
VOCs													
127-18-4		Tetrachloroethene	160	NA	100	1,200 (X)	11,000	170,000	480,000	1,100,000	2,700,000,000	200,000 (C)	930,000 (C)
General Chemistry													
7664-41-7	Ammonia	230,000	NA	ID	(CC)	ID	ID	ID	ID	6,700,000,000	ID	ID	
7727-37-9	Nitrogen, Kjeldahl	1,300,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
7723-14-0	Phosphorus	240,000	NA	1,300,000	EE	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)	
7727-37-9	Nitrogen, Total	1,500,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1479-75-58	Nitrate as N	1,100 J	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID	

**Table 1: Soil Analytical Results
Leslie Science Nature Center
Ann Arbor, Michigan**

Sample And Depth	CAS	Parameter	Result (ug/Kg)	Statewide Default Background Levels	Drinking Water Protection Criteria And RBSLs	Groundwater Surface Water Interface Protection Criteria And RBSLs	Soil Volatilization to Indoor Air Inhalation Criteria And RBSLs	Infinite Source Volatile Soil Inhalation Criteria And RBSLs	Finite VSIC for 5 Meter Source Thickness	Finite VSIC for 2 Meter Source Thickness	Particulate Soil Inhalation Criteria And RBSLs	Residential Direct Contact Criteria And RBSLs	Nonresidential Direct Contact Criteria And RBSLs	
HA-19-05-0-1' 05/31/2019	Metals													
	7440-38-2	Arsenic	13,000	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	28,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	560	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	6,900	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	27,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	53,000	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	110,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	7782-49-2	Selenium	150	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000	
	7440-22-4	Silver	380	1,000	4,500	100; 27 (M)	NLV	NLV	NLV	NLV	6,700,000	2,500,000	9,000,000	
	7439-97-6	Mercury	420	130	1,700	50; 1.2 (M)	48,000	52,000	52,000	52,000	20,000,000	160,000	580,000	
	Organochlorine Pesticides													
	72-55-9	4,4'-DDE	17	NA	NLL	NLL	NLV	NLV	NLV	NLV	32,000,000	45,000	190,000	
	50-29-3	4,4'-DDT	23	NA	NLL	NLL	NLV	NLV	NLV	NLV	32,000,000	57,000	280,000	
	SVOCs													
	205-99-2	Benzo[b]fluoranthene	24 J	NA	NLL	NLL	ID	ID	ID	ID	ID	20,000	80,000	
	218-01-9	Chrysene	14 J	NA	NLL	NLL	ID	ID	ID	ID	ID	2,000,000	8,000,000	
	206-44-0	Fluoranthene	22 J	NA	730,000	5,500	1,000,000,000 (D)	740,000,000	740,000,000	740,000,000	9,300,000,000	46,000,000	130,000,000	
	85-01-8	Phenanthrene	15 J	NA	56,000	2,100	2,800,000	160,000	160,000	160,000	6,700,000	1,600,000	5,200,000	
	129-00-0	Pyrene	19 J	NA	480,000	ID	1,000,000,000 (D)	650,000,000	650,000,000	650,000,000	6,700,000,000	29,000,000	84,000,000	
	General Chemistry													
	7727-37-9	Nitrogen, Kjeldahl	1,500,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	260,000	NA	1,300,000	EE	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)	
	7727-37-9	Nitrogen, Total	1,700,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1479-75-58	Nitrate as N	5,200 J	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID	
HA-19-07-0-1' 05/31/2019	Metals													
	7440-38-2	Arsenic	30,000	5,800	4,600	4,600	NLV	NLV	NLV	NLV	720,000	7,600	37,000	
	7440-39-3	Barium	350,000	75,000	1,300,000	440,000 (G)	NLV	NLV	NLV	NLV	330,000,000	37,000,000	130,000,000	
	7440-43-9	Cadmium	41,000	280	6,000	3,600 (G,X)	NLV	NLV	NLV	NLV	1,700,000	550,000	2,100,000	
	7440-47-3	Chromium	620,000	18,000 (Total)	30,000	3,300	NLV	NLV	NLV	NLV	260,000	2,500,000	9,200,000	
	7440-50-8	Copper	1,800,000	32,000	5,800,000	75,000 (G)	NLV	NLV	NLV	NLV	130,000,000	20,000,000	73,000,000	
	7439-92-1	Lead	1,100,000	21,000	700,000	5,100,000 (G,X)	NLV	NLV	NLV	NLV	100,000,000	400,000	900,000 (DD)	
	7440-66-6	Zinc	750,000	47,000	2,400,000	170,000 (G)	NLV	NLV	NLV	NLV	ID	170,000,000	630,000,000	
	7782-49-2	Selenium	820	410	4,000	400	NLV	NLV	NLV	NLV	130,000,000	2,600,000	9,600,000	
	7440-22-4	Silver	12,000	1,000	4,500	100; 27 (M)	NLV	NLV	NLV	NLV	6,700,000	2,500,000	9,000,000	
	7439-97-6	Mercury	110,000	130	1,700	50; 1.2 (M)	48,000	52,000	52,000	52,000	20,000,000	160,000	580,000	
	Organochlorine Pesticides													
	50-29-3	4,4'-DDT	12 J,p	NA	NLL	NLL	NLV	NLV	NLV	NLV	32,000,000	57,000	280,000	
	115-29-7	Endosulfan I	13 J,p	NA	NLL	NLL	ID	ID	ID	ID	ID	1,400,000	4,400,000	
	VOCs													
	56-23-5	Carbon tetrachloride	57 J	NA	100	760 (X)	190	3,500	12,000	28,000	130,000,000	96,000	440,000 (C)	
	127-18-4	Tetrachloroethene	100	NA	100	1,200 (X)	11,000	170,000	480,000	1,100,000	2,700,000,000	200,000 (C)	930,000 (C)	
	79-01-6	Trichloroethene	37 J	NA	100	4,000 (X)	1,000	11,000	25,000	57,000	130,000,000	110,000 (DD)	660,000 (C, DD)	
	1330-20-7	Xylenes, Total	100 J	NA	5,600	980	6,300,000 (C)	46,000,000	61,000,000	130,000,000	290,000,000,000	410,000,000 (C)	1,000,000,000 (C, D)	
	General Chemistry													
	7727-37-9	Nitrogen, Kjeldahl	2,100,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7723-14-0	Phosphorus	550,000	NA	1,300,000	EE	NLV	NLV	NLV	NLV	67,000,000	1,000,000,000 (D)	1,000,000,000 (D)	
	7727-37-9	Nitrogen, Total	2,700,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1479-75-58	Nitrate as N	3,100	NA	200,000 (N)	ID	NLV	NLV	NLV	NLV	ID	ID	ID	

Notes:
All criteria units are micrograms per kilogram (ug/kg).
Table reflects analytical data comparison to Soil Residential Part 201 Generic Cleanup Criteria and Screening Levels; Part 213 Tier 1 Risk-Based Screening Levels (RBSLs), June 25, 2018. Nonresidential Direct Contact Criteria is also included.
Only results above laboratory method detection limits are shown.
Blue Shaded cells with bold font indicate Michigan Department of Environment, Great Lakes, and Energy (EGLE) Criteria that are exceeded.
Results that exceed Statewide Default Background Levels (SDBLs) or EGLE Criteria are in bold.
Green shaded cells indicate select parameters were diluted and therefore method detection limits and reporting limits are increased. Consult the laboratory report for specific dilution information.
Explanations of criteria shown in this table can be found in the EGLE Footnotes document.
Analyses for PCBs and SVOCs may be diluted and therefore above applicable criteria.
Chromium values are compared to Chrome VI criteria per EGLE Footnote H.
RBSL = Risk Based Screening Levels
Explanations of laboratory qualifiers are presented in the associated Laboratory Analytical Reports.
B = Compound was found in the blank and sample.
F1 = MS and/or MSD Recovery is outside acceptance limits.
F2 = MS/MSD RPD exceeds control limits.
J = This qualifier on a result indicates that the parameter was detected above the method detection limit but below the reporting limit. It is considered an estimate.
p = The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.