

**PRINCE GEORGE'S COUNTY SANDY HILL LANDFILL
SUMMARY OF SURFICIAL SOIL ANALYSES**

Sampling Location Sample ID	Huntington North Park																				Sandy Hill Park				RBC ¹ Recreational
	S-1 Feb 08	S-2 Feb 08	S-3 Feb 08	S-4 Feb 08	S-5 Feb 08	S-6 Feb 08	S-7 Feb 08	S-8 Feb 08	S-9 Feb 08	S-10 Feb 08	S-11 Feb 08	S-21 Feb 08	S-12 Feb 08	S-13 Feb 08	S-14 Feb 08	S-15 Feb 08	S-16 Feb 08	S-17 Feb 08	S-18 Feb 08	S-19 Feb 08	S-20 Feb 08				
Inorganic Constituents (mg/kg)																									
Arsenic (Total)	<2.1	2.8	2.5	<3.8	2.7	3.5	3.6	3.6	3.4	3	3.6	3.1	4.7	<2.4	3.1	2.4	<2.4	<2.5	<2.4	2.9	2.8	4.3			
Barium (Total)	14.2	31.5	18.3	77.1	15.6	20.0	58.7	40.6	27.2	21.4	29.1	19.7	18.5	24.8	32.6	40.5	26.6	35.7	77	21.7	95	16000			
Beryllium (Total)	<0.21	0.25	<0.24	<0.38	<0.23	<0.26	0.43	0.31	0.28	<0.24	0.30	<0.24	0.22	<0.24	<0.23	<0.22	<0.24	<0.25	0.32	<0.24	<0.22	160			
Cadmium (Total)	<0.21	<0.23	<0.24	0.83	<0.23	<0.26	<0.23	<0.24	<0.25	<0.24	<0.24	<0.24	<0.21	<0.24	<0.23	<0.22	<0.24	<0.25	0.32	<0.24	0.60	78 ²			
Calcium (Total)	160	358	572	5250	1190	1390	504	599	1480	1790	335	5830	336	201	16700	34100	574	304000	75400	533	1190	—			
Chromium (Total)	4.0	11.1	8.7	12.8	11.4	13.1	15.3	13.5	16.5	12.5	15.6	11.9	11.5	6.8	9.4	16.2	6	14.3	46.9	5.1	8.2	230 ³			
Cobalt (Total)	0.61	2	0.98	1.4	1.2	1.7	3.2	2.5	1.9	1.3	1.9	1.7	1.1	1.7	1.1	1.1	0.64	1.2	2.1	0.71	1.2	—			
Copper (Total)	2.3	4.4	5	10.5	6.7	5.8	3.9	3.8	6.4	5.1	4.5	6.6	3.4	4.9	13	21.2	21.7	12	46.3	13.4	73.8	3100			
Iron (Total)	3640	7190	5180	7270	8170	8210	9810	8580	10000	7280	9200	7750	8670	6020	6310	6470	3490	6240	13600	5550	7530	55000			
Lead (Total)	3.3	6.5	11.1	20.2	4.3	8.7	9.3	8.3	10.3	5.7	10.2	5.7	8.8	14.8	9.0	11.1	3430	10.8	27.9	7.2	26.8	—			
Magnesium (Total)	196	467	282	548	432	427	804	675	581	581	557	1160	281	449	3580	6650	153	3750	12900	157	311	—			
Manganese (Total)	<0.022	<0.022	0.027	0.045	<0.023	<0.024	183	132	65.8	44.1	53.8	63.8	34.6	51.8	39.5	109	22	91	288	20.4	34.7	13000 ²			
Mercury (Total)	1.5	3.1	2	4.2	2.8	2.9	4.8	3.7	4.1	2.5	2.9	2.9	2.1	3.8	2.1	2.2	2.2	2.3	4.6	1.5	3.7	230			
Nickel (Total)	23.3	81.5	47.2	278	39.1	61.5	804	675	581	581	557	1160	281	449	3580	6650	153	3750	12900	157	311	1600			
Potassium (Total)	143	361	232	650	254	424	542	494	389	474	619	302	195	236	250	191	174	211	174	145	206	—			
Silver (Total)	<0.53	<0.57	<0.60	<0.94	<0.56	<0.55	<0.58	<0.61	<0.62	<0.59	<0.60	<0.60	<0.52	<0.60	<0.57	2.5	<0.60	1.9	8.9	<0.59	2.4	390			
Vanadium (Total)	6.7	13	12.6	17.4	19.2	18.2	16.2	15.4	19.8	14.7	17.7	15.1	16.2	11	12.1	17.1	9.5	14	34	8	9.3	78			
Zinc (Total)	7.6	12.7	14.3	81.4	7.7	16.8	19.6	15.8	15.5	18.9	17	11.7	12.8	15.6	23	32.1	38.9	23.6	75.6	19.6	72.7	23000			

Notes:
¹ S-# indicates composite surface soil sample 0-6 inches below ground surface obtained by hand auger.
² Note: No organic constituents reliably detected (methylene chloride likely a lab artifact ranging in concentrations from 0.005 to 0.009 mg/kg in all samples).
³ US EPA Region III Risk Based Concentrations (RBCs). All non-carcinogens adjusted by a factor of 0.1 in accordance with Region III guidance.
⁴ Food value is provided
⁵ Value is for Chromium (VI)
⁶ Value for Mercury Chloride is provided
⁷ * indicates analyte was not detected. Number listed is reporting limit.
⁸ Black bold values indicate detected constituent
⁹ Bold yellow shaded values indicate exceedance of Recreational RBC
¹⁰ — indicates that RBC is not established.
¹¹ — indicates an estimated result; concentration detected above laboratory method detection limit but below laboratory reporting limit.