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EPA

Characterization of MWC Ashes and Leachates from MSW Landfills, Monofills, and Co-Disposal Sites

Volume VI of VII
Characterization of Leachates from Municipal Waste Disposal Sites and Co-Disposal Sites

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FINAL

CHARACTERIZATION OF LEACHATES FROM MUNICIPAL WASTE DISPOSAL SITES AND CODISPOSAL SITES

VOLUME VI OF VII

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF SOLID WASTE
WASHINGTON, D.C.

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PAGE FOUR

Parameters	NY-LE-01	NY-LE-02	NY-LE-03	NC-LE-01	NC-LE-02	NC-LE-03
Aluminum	—	—	—	—	—	—
Antimony	0.02	0.01	0.02	—	—	—
Arsenic	0.010	0.008	0.012	0.044	0.046	0.044
Barium	0.89	0.89	0.82	0.27	0.41	0.34
Beryllium	—	—	—	—	—	—
Cadmium	0.011	0.009	0.006	—	—	—
Calcium	775	765	803	216	207	174
Chromium	0.009	0.011	0.013	—	0.005	0.008
Cobalt	—	—	—	—	—	—
Copper	0.18	0.20	0.19	—	—	—
Iron	93.8	92.4	93.8	21.1	104	20.9
Lead	0.018	0.010	0.022	0.026	0.027	0.018
Magnesium	199	184	191	118	124	114
Manganese	11.3	11.2	11.3	1.31	1.48	1.29
Mercury	—	—	—	—	—	—
Nickel	0.23	0.23	0.24	0.13	0.14	—
Potassium	580.7	707.8	780.3	613.4	526.3	508.1
Selenium	—	—	—	—	—	—
Silver	—	—	—	—	—	—
Sodium	1,646	1,669	2,280	1,076	1,487	1,134
Thallium	—	—	—	—	—	—
Tin	—	—	—	—	—	—
Vanadium	0.015	0.015	—	0.017	0.029	0.024
Zinc	1.21	1.21	1.21	0.15	0.09	0.12
Osmium	—	—	—	—	—	—
pH (pH Units)	7.2			7.3		
Specific Conductivity (µmhos/cm)	>10,000			8,400		
Temperature (°C)	5			21.1		
EH (Millivolts)	-383			-541		

— = Not detected above laboratory detection limit.

TABLE 4-4

RANGES FOR APPENDIX IX INORGANIC CONSTITUENTS IN LEACHATES COLLECTEDFROM MUNICIPAL AND CODISPOSAL SITES IN mg/l (ppm) OR AS INDICATED

Constituent	Range
Aluminum	1.6 - 5.8
Antimony	0.01 - 0.02
Arsenic	0.01 - 0.046
Barium	0.27 - 1.64
Beryllium	—
Cadmium	0.002 - 0.011
Calcium	146 - 803
Chromium	0.002 - 0.039
Cobalt	—
Copper	0.18 - 0.20
Iron	6.4 - 268
Lead	0.006 - 0.053
Magnesium	74 - 424
Manganese	0.27 - 11.3
Mercury	—
Nickel	0.13 - 0.24
Potassium	145.2 - 871.1
Selenium	0.006 - 0.006
Silver	—
Sodium	552.5 - 2,280
Thallium	—
Tin	—
Vanadium	0.009 - 0.029
Zinc	0.07 - 2.59
Osmium	—
pH (pH Units)	6.98 - 7.8
Specific Conductivity (µmhos/cm)	300 - 8,800
Temperature (°C)	5 - 25
EH (Millivolts)	-146 - -804

— = Not detected above laboratory detection limit.

Note:

No. of Sites: 6
No. of Samples: 19
(3 per site + one duplicate)