

Table 1. Summary of Test Pit Soil Results

Corporation Yard Landfill, Folsom, CA

Parameter	USEPA Method	Units	Count	Detects	Min	Mean	Max	Std. Dev.	Coeff. of Var.
Antimony	E200.7	mg/kg	13	0	---	---	---	---	---
Arsenic	E200.8	mg/kg	13	13	2.2	4.3	9.4	2.1	0.49
Barium	E200.7	mg/kg	13	13	64	141	280	62	0.44
Beryllium	E200.7	mg/kg	13	13	0.17	0.30	0.80	0.17	0.55
Cadmium	E200.7	mg/kg	13	12	0.21	0.39	0.80	0.19	0.50
Chromium	E200.7	mg/kg	13	13	28	47	77	12	0.26
Cobalt	E200.7	mg/kg	13	13	7.2	12	23	3.9	0.34
Copper	E200.7	mg/kg	13	13	19	36	62	12	0.33
Lead	E200.7	mg/kg	13	13	3.9	21	52	14	0.69
Mercury	E245.1	mg/kg	13	3	0.10	0.42	0.70	0.29	0.69
Molybdenum	E200.7	mg/kg	13	13	0.46	0.71	0.90	0.14	0.20
Nickel	E200.7	mg/kg	13	13	16	35	67	13	0.37
Selenium	E200.8	mg/kg	13	1	0.51	---	0.51	---	---
Silver	E200.7	mg/kg	13	3	0.40	2.3	4.3	2.0	0.86
Thallium	E200.8	mg/kg	13	7	0.40	0.45	0.50	0.05	0.11
Vanadium	E200.7	mg/kg	13	13	38	55	99	16	0.29
Zinc	E200.7	mg/kg	13	13	35	53	90	17	0.31
Nitrate as NO3	E300.1	mg/kg	13	13	3.9	25	84	27	1.1
Sulfate as SO4	E300.1	mg/kg	13	13	5.9	31	91	30	0.97
pH	SW9045	SU	13	13	5.8	6.8	7.9	0.57	0.08
Elec. Cond.	E120.1	µmhos/cm	13	13	6.0	27	74	21	0.76

Notes

Mean, standard deviation, and coefficient of variation calculated arithmetically using detections only

Table 2. Test Pit TPB-4 Water Results

Corporation Yard Landfill, Folsom, CA

Parameter	USEPA Method	Total Metals (mg/kg)	Diss. Metals (µg/L)
Antimony	SW6010B	<2.0	<50
Arsenic	SW6020	3.6	<5.0
Barium	SW6010B	98	350
Beryllium	SW6010B	0.24	<5.0
Cadmium	SW6010B	0.22	<10
Chromium	SW6010B	35	<20
Cobalt	SW6010B	7.2	<20
Copper	SW6010B	26	<20
Lead	SW6020	15	<50
Mercury	SW7471A	<0.10	<0.20
Molybdenum	SW6010B	0.77	<20
Nickel	SW6010B	24	<20
Selenium	SW6020	<0.94	<5.0
Silver	SW6010B	0.40	<10
Thallium	SW6020	<1.0	<10
Vanadium	SW6010B	38	<20
Zinc	SW6010B	48	100

Parameter	USEPA Method	Units	Result
Nitrate as NO3	E300.1	mg/kg	4.2J
Sulfate as SO4	E300.1	mg/kg	27
pH	SW9045	SU	7.04
Elec. Cond.	E120.1	µmhos/cm	41

Notes

Sample was approximately 50% solid and 50% liquid

Table 3. Summary of Background Soil Results

Corporation Yard Landfill, Folsom, CA

Parameter	USEPA Method	Units	Count	Detects	Min.	Mean	Max.	Std. Dev.	Coeff. of Var.
Antimony	E200.7	mg/kg	20	0	---	---	---	---	---
Arsenic	E200.8	mg/kg	20	20	2.0	3.8	6.9	1.4	0.36
Barium	E200.7	mg/kg	20	20	42	100	150	30	0.30
Beryllium	E200.7	mg/kg	20	20	0.11	0.32	0.50	0.11	0.34
Cadmium ⁽¹⁾	E200.7	mg/kg	20	16	0.16	0.33	0.60	0.14	0.54
Chromium	E200.7	mg/kg	20	20	38	54	130	20	0.37
Cobalt	E200.7	mg/kg	20	20	9.3	12	20	2.7	0.22
Copper	E200.7	mg/kg	20	20	22	33	69	12	0.36
Lead	E200.7	mg/kg	20	19	1.0	19	76	19	1.0
Mercury ⁽¹⁾	E245.1	mg/kg	20	4	0.10	0.12	0.24	0.038	0.75
Molybdenum	E200.7	mg/kg	20	19	0.43	0.74	1.1	0.24	0.33
Nickel	E200.7	mg/kg	20	20	21	35	56	9.5	0.27
Selenium ⁽¹⁾	E200.8	mg/kg	20	2	0.39	0.40	0.52	0.028	0.39
Silver ⁽¹⁾	E200.7	mg/kg	20	3	0.20	0.21	0.42	0.048	0.68
Thallium ⁽¹⁾	E200.8	mg/kg	20	12	0.42	0.45	0.57	0.046	0.39
Vanadium	E200.7	mg/kg	20	20	41	58	74	9.9	0.17
Zinc	E200.7	mg/kg	20	20	30	43	79	11	0.25
Nitrate as NO3	E300.1	mg/kg	20	20	3.3	6.7	25	4.8	0.72
Sulfate as SO4	E300.1	mg/kg	20	20	3.2	8.2	42	8.9	1.1
pH	SW9045	SU	20	20	6.0	6.6	7.4	0.33	0.05
Elec. Cond.	E120.1	µmhos/cm	20	20	2.0	7.3	23	4.7	0.64

Notes

(1) Mean and standard deviation calculated by Kaplan-Meier; all others calculated arithmetically