

TABLE 1
VALIDATED ANALYTICAL RESULTS FOR SOIL SAMPLES - AUGUST 2012
ROYSTER GUANO REMOVAL

Property ID	Yard Sampled	Sample ID	Arsenic (mg/kg)	Lead (mg/kg)
		EPA Removal Management Level	39	400
2200 Corning	Back	RG-Corning 2200-BYC-080812-0/3	10.2	69.7
		RG-Corning 2200-BYC-080812-9/12	4.59 J	53.4 J-
		RG-Corning 2200-BYC-080812-21/24	6.45 U	16
	Front	RG-Corning 2200-FYC-080812-0/3	2.12 J	27.2
		RG-Corning 2200-FYC-080812-3/16	2.53 J	51.4
2207 Corning	Back	RG-Corning 2207-BYC-080912-0/3	0.917 J	41.7
	Front	RG-Corning 2207-FYG-080912-0/3	0.299 J	4.55 J
		RG-Corning 2207-FYG-080912-9/12	2.05 J	40.3
		RG-Corning 2207-FYG-080912-21/24	1.82 J	57.5
2210 Corning	Back	RG-Corning 2210-BYC-080812-0/3	2.96 J	38.2
		RG-Corning 2210-BYC-080812-9/12	5.47 J	80.5
		RG-Corning 2210-BYC-080812-21/24	1.92 J	23.6
	Front	RG-Corning 2210-FYC-080812-0/3	1.28 J	56.2
		RG-Corning 2210-FYC-080812-9/12	1.16 J	48.9
		RG-Corning 2210-FYC-080812-21/24	1.12 J	31.8
2211 Corning	Back	RG-Corning 2211-BYC-080912-0/3	0.567 J	27.6
	Front	RG-Corning 2211-FYG-080912-0/3	0.844 J	39
		RG-Corning 2211-FYG-080912-9/12	5.86 U	10.8
		RG-Corning 2211-FYG-080912-21/24	0.538 J	6.42
2215 Corning	Back	RG-Corning 2215-BYC-080912-0/3	1.65 J	85.1
		RG-Corning 2215-BYC-080912-0/3-DUP	1.74 J	91.4
	Front	RG-Corning 2215-FYG-080912-0/3	0.46 J	17.1
		RG-Corning 2215-FYG-080912-9/12	0.876 J	6.18
		RG-Corning 2215-FYG-080912-21/24	5.66 U	4.92 J
2216 Corning	Back	RG-Corning 2216-BYC-080912-0/3	1.98 J	55.8 J+
	Front	RG-Corning 2216-FYC-080912-0/3	0.772 J	87.4
		RG-Corning 2216-FYC-080912-9/12	0.585 J	5.56
		RG-Corning 2216-FYC-080912-21/24	0.344 J	7.86
2219 Corning	Back	RG-Corning 2219-BYC-080912-0/3	1.67 J	56.7
	Front	RG-Corning 2219-FYG-080912-0/3	0.66 J	12.1
		RG-Corning 2219-FYG-080912-9/12	0.326 J	8.7
		RG-Corning 2219-FYG-080912-21/24	0.129 J	7.89

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		EPA Removal Management Level	39	400
2220 Corning	Back	RG-Corning 2220-BYC-080912-0/3	1.11 J	18.1
	Front	RG-Corning 2220-FYC-080912-0/3	0.902 J	25.4
		RG-Corning 2220-FYC-080912-9/12	0.489 J	7.22
		RG-Corning 2220-FYC-080912-21/24	0.25 J	4.44 J
2223 Corning	Back	RG-Corning 2223-BYC-080912-0/3	1.46 J	37.7
	Front	RG-Corning 2223-FYC-080912-0/3	0.734 J	7.22
		RG-Corning 2223-FYC-080912-9/12	5.29 U	4.84 J
		RG-Corning 2223-FYC-080912-21/24	0.292 J	5.97
2224 Corning	Back	RG-Corning 2224-BYC-080912-0/3	1.08 J	27.9
	Front	RG-Corning 2224-FYC-080912-0/3	0.568 J	20.2
		RG-Corning 2224-FYC-080912-9/12	5.2 U	17
		RG-Corning 2224-FYC-080912-21/24	5.4 U	4.79 J
2227 Corning	Back	RG-Corning 2227-BYC-080812-0/3	0.553 J	26.8
		RG-Corning 2227-BYC-080812-9/12	0.914 J	3.87 J
		RG-Corning 2227-BYC-080812-21/24	1.12 J	5.04 J
	Front	RG-Corning 2227-FYG-080812-0/3	0.391 J	8.78
		RG-Corning 2227-FYG-080812-9/12	0.395 J	7.94
		RG-Corning 2227-FYG-080812-21/24	5.62 U	5.97
2230 Corning	Front	RG-Corning 2230-FYG-080912-0/3	0.459 J	16.4
		RG-Corning 2230-FYG-080912-9/12	0.98 J	17.3
		RG-Corning 2230-FYG-080912-21/24	5.35 U	6.27
2231 Corning	Back	RG-Corning 2231-BYC-080912-0/3	1.46 J	39.4
	Front	RG-Corning 2231-FYC-080912-0/3	0.905 J	27.4
		RG-Corning 2231-FYC-080912-9/12	0.292 J	6.59
		RG-Corning 2231-FYC-080912-21/24	0.496 J	5.84
2232 Corning	Front	RG-Corning 2232-FYG-080912-0/3	0.477 J	35.2
		RG-Corning 2232-FYG-080912-9/12	0.334 J	32.7
		RG-Corning 2232-FYG-080912-21/24	5.43 U	3.16 J
2235 Corning	Back	RG-Corning 2235-BYC-080912-0/3	2.92 J	41.8
	Front	RG-Corning 2235-FYG-080912-0/3	0.685 J	23.7
		RG-Corning 2235-FYG-080912-9/12	5.07 U	7.38
		RG-Corning 2235-FYG-080912-21/24	5.23 U	10.7

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		EPA Removal Management Level	39	400
2236 Corning	Back	RG-Corning 2236-BYC-080912-0/3	0.547 J	17.5
	Front	RG-Corning 2236-FYC-080912-0/3	0.369 J	8.82
		RG-Corning 2236-FYC-080912-9/12	0.551 J	67.8
		RG-Corning 2236-FYC-080912-21/24	5.44 U	8.83
2239 Corning	Back	RG-Corning 2239-BYC-080912-0/3	2.26 J	82.2
	Front	RG-Corning 2239-FYC-080912-0/3	6.08 U	31.3
		RG-Corning 2239-FYC-080912-9/12	0.383 J	35.3
		RG-Corning 2239-FYC-080912-21/24	5.52 U	5.91
2240 Corning	Back	RG-Corning 2240-BYC-080912-0/3	1.11 J	18.6
	Front	RG-Corning 2240-FYG-080812-0/3	0.953 J	23.3
		RG-Corning 2240-FYG-080812-9/12	5.46 U	39.9
		RG-Corning 2240-FYG-080812-21/24	5.5 U	55.7
2243 Corning	Front	RG-Corning 2243-FYC-080812-0/3	0.978 J	34.9
		RG-Corning 2243-FYC-080812-9/12	0.82 J	70.7
		RG-Corning 2243-FYC-080812-21/24	0.61 J	14.9
Corning (End)	NA	RG-Corning END-C-080812-0/3	2.16 J	56.3
		RG-Corning END-C-080812-9/12	1.29 J	107
		RG-Corning END-C-080812-21/24	5.96 U	20.2
59 Easy	Back	RG-Easy 59-BYC-080812-0/3	9.88	145
		RG-Easy 59-BYC-080812-0/3-DUP	12.3	164
		RG-Easy 59-BYC-080812-9/12	17.9	117
		RG-Easy 59-BYC-080812-21/24	5.94 U	13.2
	Front	RG-Easy 59-FYC-080812-0/3	9.09	114
		RG-Easy 59-FYC-080812-9/12	5.89 U	12.4
		RG-Easy 59-FYC-080812-21/24	5.27 U	6.71
60 Easy	Back	RG-Easy 60-BYC-080712-0/3	4.5 J	79.4
		RG-Easy 60-BYC-080712-9/12	1.25 J	48.5
		RG-Easy 60-BYC-080712-21/24	5.61 U	10.7
	Front	RG-Easy 60-FYC-080812-0/3	1.82 J	48
		RG-Easy 60-FYC-080812-9/12	11.7	138
		RG-Easy 60-FYC-080812-21/24	1.4 J	35.5

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		EPA Removal Management Level	39	400
62 Easy	Back	RG-Easy 62-BYC-080712-0/3	5.29 J	137
		RG-Easy 62-BYC-080712-9/12	2.35 J	49.5
		RG-Easy 62-BYC-080712-21/24	5.23 U	7.24
	Front	RG-Easy 62-FYC-080712-0/3	11.1	124
		RG-Easy 62-FYC-080712-9/12	8.58	78.6
		RG-Easy 62-FYC-080712-21/24	5.58 U	6.07
63 Easy	Front	RG-Easy 63-FYG-080812-0/3	8.38	129
		RG-Easy 63-FYG-080812-9/12	16	110
		RG-Easy 63-FYG-080812-21/24	5.95 U	9.22
64 Easy	Back	RG-Easy 64-BYC-080712-9/12	5.82 U	92.1
		RG-Easy 64-BYC-080712-21/24	5.3 U	9.69
	Front	RG-Easy 64-FYC-080712-9/12	15.6	162
		RG-Easy 64-FYC-080712-21/24	5.52 U	21.2
65 Easy	Back	RG-Easy 65-BYC-080712-9/12	7.37	188
		RG-Easy 65-BYC-080712-21/24	5.31 U	12.4
	Front	RG-Easy 65-FYG-080712-9/12	15.8	107
		RG-Easy 65-FYG-080712-21/24	5.29 U	25.7
66 Easy	Back	RG-Easy 66-BYC-080712-9/12	5.22 U	27.7
		RG-Easy 66-BYC-080712-21/24	6.17 U	81.3
	Front	RG-Easy 66-FYC-080712-9/12	57.8	437
		RG-Easy 66-FYC-080712-21/24	9.08	67.4
67 Easy	Back	RG-Easy 67-BYC-080412-0/3	2.18 J-	61.7
	Front	RG-Easy 67-FYC-080412-0/3	2.88 J-	48.1
		RG-Easy 67-FYC-080712-9/12	5.36 U	22.1
		RG-Easy 67-FYC-080712-21/24	69.9	279
68 Easy	Back	RG-Easy 68-BYC-080412-0/3	4.27	26.6
	Front	RG-Easy 68-FYC-080412-0/3	11.7	121
		RG-Easy 68-FYC-080712-9/12	5.34 U	14.2
		RG-Easy 68-FYC-080712-21/24	126	683
77 Easy	Front	RG-Easy 77-FYC-080412-0/3	8.87	84.2
		RG-Easy 77-FYC-080812-9/12	5.17 U	31.6
		RG-Easy 77-FYC-080812-21/24	5.18 U	5.18 U

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		EPA Removal Management Level	39	400
78 Easy	Back	RG-Easy 78-BYC-080812-0/3	12.8	239
		RG-Easy 78-BYC-080812-0/3-DUP	12.5	232
		RG-Easy 78-BYC-080812-9/12	5.23 U	25.4
		RG-Easy 78-BYC-080812-21/24	5.54 U	6.73
	Front	RG-Easy 78-FYC-080812-0/3	17.5	168
		RG-Easy 78-FYC-080812-0/3-DUP	16.5	155
		RG-Easy 78-FYC-080812-9/12	5.45 U	10.1
		RG-Easy 78-FYC-080812-21/24	5.19 U	5.19 U
79 Easy	Back	RG-Easy 79-BYC-080412-0/3	38.6	484
	Front	RG-Easy 79-FYC-080412-0/3	7.2	54.2
		RG-Easy 79-FYC-080812-9/12	16.2	132
		RG-Easy 79-FYC-080812-21/24	5.07 U	5.07 U
80 Easy	Back	RG-Easy 80-BYC-080412-0/3	22.6	459
		RG-Easy 80-BYC-080812-9/12	26.8	563
		RG-Easy 80-BYC-080812-21/24	6.34	74.4
	Front	RG-Easy 80-FYC-080412-0/3	5.63	70.6
		RG-Easy 80-FYC-080812-9/12	10.1	123
		RG-Easy 80-FYC-080812-21/24	5.46 U	23.6
81 Easy	Back	RG-Easy 81-BYC-080412-0/3	44	387
		RG-Easy 81-BYC-080812-9/12	24.3	470
		RG-Easy 81-BYC-080812-21/24	6.91	103
	Front	RG-Easy 81-FYC-080412-0/3	9.01	103
		RG-Easy 81-FYG-080812-9/12	9.21	72
		RG-Easy 81-FYG-080812-21/24	5.28 U	5.28 U
82 Easy	Back	RG-Easy 82-BYC-080412-0/3	47.7	394
		RG-Easy 82-BYC-080812-9/12	20.9	231
		RG-Easy 82-BYC-080812-21/24	20.3	165 J+
	Front	RG-Easy 82-FYC-080412-0/3	44	352
		RG-Easy 82-FYC-080812-9/12	9.69	108
		RG-Easy 82-FYC-080812-21/24	5.54 U	12.6

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		EPA Removal Management Level	39	400
83 Easy	Back	RG-Easy 83-BYC-080412-0/3	48	380
		RG-Easy 83-BYC-080812-9/12	24.6	191
		RG-Easy 83-BYC-080812-21/24	5.4 U	42.1
	Front	RG-Easy 83-FYC-080412-0/3	16.3	188
		RG-Easy 83-FYC-080812-9/12	28.2	230
		RG-Easy 83-FYC-080812-21/24	9.06	24.5
84 Easy	Back	RG-Easy 84-BYC-080412-0/3	724	1790
		RG-Easy 84-BYC-080712-9/12	182	409
		RG-Easy 84-BYC-080712-21/24	75.4	78.2
		RG-Easy 84-BYC-080712-21/24-DUP	77.2	72.8
	Front	RG-Easy 84-FYC-080412-0/3	63.9	421
		RG-Easy 84-FYC-080712-9/12	11.1	83.4
		RG-Easy 84-FYC-080712-21/24	5.31 U	10.2
85 Easy	Back	RG-Easy 85-BYC-080312-0/3	163	452
		RG-Easy 85-BYC-080712-9/12	776	1250
		RG-Easy 85-BYC-080712-21/24	375	359
	Front	RG-Easy 85-FYC-080312-0/3	10.3	59.5
1004 Howe	Back	RG-Howe 1004-BYC-080912-0/3	6.56	37
	Front	RG-Howe 1004-FYC-080912-0/3	5.26 J	41.2
		RG-Howe 1004-FYG-080912-0/3	2.24 J	115
		RG-Howe 1004-FYG-080912-9/12	9.52	109
		RG-Howe 1004-FYG-080912-21/24	2.5 J	40
1005 Howe	Back	RG-Howe 1005-BYC-080812-0/3	5.44 U	27.5
		RG-Howe 1005-BYC-080812-9/12	5.1 U	5.1 U
		RG-Howe 1005-BYC-080812-21/24	5.41 U	5.41 U
	Front	RG-Howe 1005-FYG-080812-0/3	5.49 U	62
		RG-Howe 1005-FYG-080812-9/12	5.27 U	44.3
		RG-Howe 1005-FYG-080812-21/24	5.16 U	16.5
1009 Howe	Back	RG-Howe 1009-BYC-081012-0/3	6.03 U	42.3
	Front	RG-Howe 1009-FYC-081012-0/3	6.04 U	36.9

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		EPA Removal Management Level	39	400
1013 Howe	Back	RG-Howe 1013-BYC-080812-0/3	5.56 U	48.1
		RG-Howe 1013-BYC-080812-9/12	5.56 U	42.6
		RG-Howe 1013-BYC-080812-21/24	6.55 U	19.4
	Front	RG-Howe 1013-FYG-080812-0/3	5.33 U	21.3
		RG-Howe 1013-FYG-080812-9/12	5.29 U	19.8
		RG-Howe 1013-FYG-080812-21/24	7.47 U	57
1017 Howe	Back	RG-Howe 1017-BYC-080812-0/3	7.47	119
		RG-Howe 1017-BYC-080812-9/12	6.25 U	24.2
		RG-Howe 1017-BYC-080812-21/24	6.09 U	6.09 U
	Front	RG-Howe 1017-FYC-080812-0/3	5.67 U	41.4
		RG-Howe 1017-FYC-080812-9/12	15	104
		RG-Howe 1017-FYC-080812-21/24	5.93 U	5.93 U
1021 Howe	Back	RG-Howe 1021-BYC-081012-0/3	10.6	139
		RG-Howe 1021-BYC-081012-0/3-DUP	10.7	137
	Front	RG-Howe 1021-FYC-081012-0/3	6.93	61.5
		RG-Howe 1021-FYC-081012-0/3-DUP	5.64 U	50.3
1025 Howe	Back	RG-Howe 1025-BYC-080812-0/3	6.01	137
		RG-Howe 1025-BYC-080812-9/12	5.42 U	19.7
		RG-Howe 1025-BYC-080812-21/24	5.28 U	32.6
	Front	RG-Howe 1025-FYG-080812-0/3	8.49	102
		RG-Howe 1025-FYG-080812-9/12	5.18 U	5.18 U
		RG-Howe 1025-FYG-080812-21/24	5.21 U	5.21 U
1029 Howe	Back	RG-Howe 1029-BYC-080812-0/3	6.4	400
		RG-Howe 1029-BYC-080812-9/12	5.26 U	129
		RG-Howe 1029-BYC-080812-21/24	5.06 U	5.06 U
	Front	RG-Howe 1029-FYC-080812-0/3	5.97 U	56.4
		RG-Howe 1029-FYC-080812-9/12	5.65 U	29.9
		RG-Howe 1029-FYC-080812-21/24	5.08 U	5.08 U
1033 Howe	Back	RG-Howe 1033-BYC-080812-0/3	5.75 U	104
		RG-Howe 1033-BYC-080812-9/12	5.31 U	70.4
		RG-Howe 1033-BYC-080812-21/24	4.88 U	4.88 U
	Front	RG-Howe 1033-FYC-080812-0/3	5.55 U	79.5
		RG-Howe 1033-FYC-080812-9/12	5.44 U	12.8
		RG-Howe 1033-FYC-080812-21/24	5.36 U	12.7

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		EPA Removal Management Level	39	400
1037 Howe	Back	RG-Howe 1037-BYG-080812-0/3	16.3	217
		RG-Howe 1037-BYG-080812-9/12	7.27	188
		RG-Howe 1037-BYG-080812-21/24	5.32 U	5.72
	Front	RG-Howe 1037-FYG-080812-0/3	10.9	209
		RG-Howe 1037-FYG-080812-9/12	5.41 U	59.3
		RG-Howe 1037-FYG-080812-21/24	5.44 U	5.44 U
1041 Howe	Back	RG-Howe 1041-BYC-080812-0/3	18.1	189
		RG-Howe 1041-BYC-080812-9/12	23.8	148
		RG-Howe 1041-BYC-080812-21/24	5.14 U	7.95
	Front	RG-Howe 1041-FYC-080812-0/3	23.9	223
		RG-Howe 1041-FYC-080812-9/12	7.49	121
		RG-Howe 1041-FYC-080812-21/24	5.25 U	5.25 U
1045 Howe	Back	RG-Howe 1045-BYC-080812-0/3	17.1	275
		RG-Howe 1045-BYC-080812-9/12	34.7	580
		RG-Howe 1045-BYC-080812-21/24	11	88.5
	Front	RG-Howe 1045-FYC-080812-0/3	29.2	263
		RG-Howe 1045-FYC-080812-9/12	39.9	831
		RG-Howe 1045-FYC-080812-21/24	9.57	14
1049 Howe	Back	RG-Howe 1049-BYC-080812-0/3	17.9	1320
		RG-Howe 1049-BYC-080812-9/12	37.3	2570
		RG-Howe 1049-BYC-080812-21/24	10.3	41.5
	Front	RG-Howe 1049-FYC-080812-0/3	18.9	224
		RG-Howe 1049-FYC-080812-9/12	4.12 J	27.1
		RG-Howe 1049-FYG-080812-17/24	119	405
		RG-Howe 1049-FYC-080812-21/24	55	449

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Notes

BYC Back yard composite

BYG Back yard grab

DUP Duplicate Sample

FYC Front yard composite

FYG Front yard grab

ID Identification

J Analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample

J+ Analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high

J- Analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low

mg/kg Milligrams per kilogram

NA Not applicable

Q Data qualifier

RG Royster Guano Removal Investigation

RML EPA Regional Removal Management Level, July 2012

U Analyte was analyzed for, but was not detected at or above the associated value (reporting limit)

BOLD Concentration exceeds the EPA RML

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR TCLP SOIL SAMPLES
ROYSTER GUANO REMOVAL

Sample Event	Sample ID	TCLP Metals		TCLP SVOCs
		Arsenic (mg/L)	Lead (mg/L)	SVOCs (mg/L)
	RCRA Maximum TCLP Limits	5	5	NL
Removal Investigation	RG-Easy82-BYC-080812-9/12	0.25 U	0.121	NA
	RG-Easy82-BYC-080812-21/24	0.25 U	0.569	NA
	RG-Easy84-BYC-080412-0/3	0.484	1.12	NA
	RG-Easy85-BYC-080312-0/3	0.0698	0.0355	NA
	RG-Easy85-BYC-080712-9/12	0.0496 J	0.649	NA
	RG-Howe1049-BYC-080812-0/3	0.25 U	1.24	NA
	RG-Howe1049-BYC-080812-9/12	0.25 U	4.37	NA
Removal	RG-1045,83-TCLP-1109	0.0327 J	0.115	NA
	RG-66,1029-TCLP-1109	0.0126 J	0.101	NA
	RG-79,80,81-TCLP-1109	0.008 U	0.299	NA
	RG-EASY 81-PCN	0.108 U	3.51 J	NA
	RG-EASY 85-HWT	0.149 U	1.65 J	NA
	RG-EASY 85-PNT	0.14 U	0.391 J	NA
	RG-EASY85-WP-TCLP	NA	NA	ND

Notes

BYC Back yard composite
ID Identification
J Estimated value detected below reporting limit
mg/kg Milligrams per kilogram
mg/L Milligrams per liter
NA Not applicable
ND Non detect
RCRA Resource Conservation and Recovery Act
RG Royster Guano Removal Investigation
TCLP Toxicity Characteristic Leaching Procedure
U Analyte was analyzed for, but was not detected
at or above the associated value (reporting limit)

TABLE 3
ANALYTICAL RESULTS FOR AIR SAMPLES - AUGUST 2012
ROYSTER GUANO REMOVAL

Sample ID	Location	Arsenic ($\mu\text{g}/\text{m}^3$)	Lead ($\mu\text{g}/\text{m}^3$)
	Air Standards	0.05	0.15
RG-A-EASY 66-080312	66 Easy Street	0.077 <	0.09
RG-A-01-080312-L	Garden Center (upwind)	0.087 <	0.79
RG-A-02-080312-L	SeaCo sign	0.078 <	0.081
RG-A-03-080312-L	Keep on Truckin' trailer	0.078 <	0.039 <
RG-A-04-080312-L	Corning and Howe Streets	0.081 <	0.041 <
RG-A-05-080412-L	Airport fence (upwind)	0.085 <	0.042 <
RG-A-06-080412-L	Towing company fence	0.077 <	0.038 <
RG-A-07-080412-L	Fence across from storage units	0.082 <	0.041 <
RG-A-08-080412-L	Howe and Easy Streets	0.083 <	0.042 <

Notes

< Less than

A Air

ID Identification

L Low flow

$\mu\text{g}/\text{m}^3$ Microgram per cubic meter

RG Royster Guano

ITALIC Analyte not detected, detection limit exceeded air standard

BOLD Concentration exceeded the respective air standard

TABLE 4
ANALYTICAL RESULTS FOR SURFACE CONFIRMATION SOIL SAMPLES - NOVEMBER 2012
ROYSTER GUANO REMOVAL

Property ID	Yard Sampled	Sample ID	Arsenic (mg/kg)	Lead (mg/kg)
		EPA Removal Management Level	39	400
66 Easy	Front	RG-EASY 66-CS-1109	22.4	154
78 Easy	Back	RG-EASY78-CS-BYC-1203	9	267
79 Easy	Back	RG-EASY79-CS-BYC-1201	28.6	445
80 Easy	Back	RG-EASY80-CS-BYC-1201	39.5	483
81 Easy	Back	RG-EASY81-CS-BYC-1204	18.9	288
82 Easy	Back	RG-EASY82-CS-BYC-1205	59.1	169
	Front	RG-EASY82-CS-FYC-1114	24	185
83 Easy	Back	RG-EASY83-CS-BYC-1206	90.6 J+	525
	Front	RG-EASY83-CS-FYC-1116	41.2	343
84 Easy	Back	RG-EASY84-CS-BYC-1207	230	705
	Front	RG-EASY84-CS-FYC-1129	74.6	513
85 Easy	Back	RG-EASY85-CS-BYC-1212	953	1310
	Front	RG-EASY85-CS-FYC-1212	62.1	236
1029 Howe	Back	RG-HOWE 1029-CS-1109	5.07 J	217
1041 Howe	Back	RG-HOWE1041-CS-FYC-1214	47.5	642
1045 Howe	Back	RG-HOWE1045-CS-BYC-1217	21.9	374
	Front	RG-HOWE1045-CS-FYC-1217	49.9	432
1049 Howe	Back	RG-HOWE 1049-CS-1109	25.5	307

Notes

BYC Back yard composite

FYC Front yard composite

ID Identification

J Analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample

J+

J-

mg/kg Milligrams per kilogram

RG Royster Guano Removal Investigation

U Analyte was analyzed for, but was not detected at or above the associated value (reporting limit)

BOLD Concentration exceeds the EPA RML

TABLE 5
ANALYTICAL RESULTS FOR TOPSOIL SAMPLES - NOVEMBER 2012
ROYSTER GUANO REMOVAL

Analyte	EPA RML	NG-NWWHITE-SS	RG-NWWHITE-TS
Metals (mg/kg)			
Aluminum	230,000	3,970	10,700
Antimony	94	0.249 U	0.47 J
Arsenic	39	0.577 J	1.22 J
Barium	46,000	5.09 J	253
Beryllium	470	0.0473 U	0.194 J
Cadmium	210	0.0586 U	1.04 J
Calcium	NL	193	23,400
Chromium	NL	4.68	13.2
Cobalt	70	0.401 J	2.95 J
Copper	9,400	1.03 J	34.4
Iron	160,000	3,030	5,650
Lead	400	1.53 J	12
Magnesium	NL	37.6 J	4,030
Manganese	5,500	4.2 J	1,060
Mercury	30	0.0309 U	0.0501 U
Nickel	NL	0.188 J	6.11 J
Potassium	NL	38.1 J	10,700
Selenium	1,200	0.14 U	1.41 J
Silver	NL	0.0148 U	0.243 J
Sodium	1,200	8.01 J	3,930
Vanadium	1,200	11.1	15.7
Zinc	70,000	1.42 J	162
Polychlorinated Biphenyls (µg/kg)		ND	ND
Pesticides (µg/kg)		ND	ND
Semivolatile Organic Compounds (µg/kg)		ND	ND
Volatile Organic Compounds (µg/kg)		ND	ND
Acetone	210,000	13 J	3400

TABLE 5
ANALYTICAL RESULTS FOR TOPSOIL SAMPLES - NOVEMBER 2012
ROYSTER GUANO REMOVAL

Analyte	EPA RML	RG-TOPSOIL-1112
Metals (mg/kg)		
Aluminum	230,000	2,180
Antimony	94	0.244 U
Arsenic	39	0.22 J
Barium	46,000	29.1
Beryllium	470	0.0464 U
Cadmium	210	0.0859 J
Calcium	NL	2,660
Chromium	NL	3.38
Cobalt	70	0.369 J
Copper	9,400	4.72
Iron	160,000	1,520
Lead	400	3.42 J
Magnesium	NL	435
Manganese	5,500	118
Mercury	30	0.0316 U
Nickel	NL	0.572 J
Potassium	NL	739
Selenium	1,200	0.458 J
Silver	NL	0.0146 U
Sodium	1,200	298
Vanadium	1,200	5.2
Zinc	70,000	25.1
Polychlorinated Biphenyls (µg/kg)		ND
Pesticides (µg/kg)		ND
Semivolatile Organic Compounds (µg/kg)		ND
Volatile Organic Compounds (µg/kg)		ND
Acetone	210,000	33 J

TABLE 5
ANALYTICAL RESULTS FOR TOPSOIL SAMPLES - NOVEMBER 2012
ROYSTER GUANO REMOVAL

Analyte	EPA RML	RG-TOPSOIL-1120	RG-TOPSOIL-1205
Metals (mg/kg)			
Aluminum	230,000	2,220	1,920
Antimony	94	0.265 U	0.263 U
Arsenic	39	0.117 J	0.16 J
Barium	46,000	32.5	26.9
Beryllium	470	0.0503 U	0.0501 U
Cadmium	210	0.0774 J	0.0754 J
Calcium	NL	3,000	2,720
Chromium	NL	3.51	3.44
Cobalt	70	0.391 J	0.315 J
Copper	9,400	5.17	4.82
Iron	160,000	1,420	1,310
Lead	400	1.88 J	1.48 J
Magnesium	NL	503	431
Manganese	5,500	134	118
Mercury	30	0.0319 U	0.0341 U
Nickel	NL	0.78 J	0.5 J
Potassium	NL	966	827
Selenium	1,200	0.199 J	0.389 J
Silver	NL	0.0158 U	0.0157 U
Sodium	1,200	414	378
Vanadium	1,200	4.75 J	4.19 J
Zinc	70,000	23.8	21.6
Polychlorinated Biphenyls (µg/kg)		ND	ND
Pesticides (µg/kg)		ND	ND
Semivolatile Organic Compounds (µg/kg)		ND	ND
Volatile Organic Compounds (µg/kg)		ND	ND
Acetone	210,000	80	120

TABLE 5
ANALYTICAL RESULTS FOR TOPSOIL SAMPLES - NOVEMBER 2012
ROYSTER GUANO REMOVAL

Analyte	EPA RML	RG-TOPSOIL-1218
Metals (mg/kg)		
Aluminum	230,000	2,750
Antimony	94	0.272 U
Arsenic	39	0.303 J
Barium	46,000	41.6
Beryllium	470	0.0516 U
Cadmium	210	0.23 J
Calcium	NL	4,840
Chromium	NL	4.56
Cobalt	70	0.507 J
Copper	9,400	7.99
Iron	160,000	1,690
Lead	400	2.86 J
Magnesium	NL	717
Manganese	5,500	188
Mercury	30	0.0343 U
Nickel	NL	0.789 J
Potassium	NL	1,210
Selenium	1,200	0.558 J
Silver	NL	0.0522 J
Sodium	1,200	552
Vanadium	1,200	5.14 J
Zinc	70,000	40
Polychlorinated Biphenyls (µg/kg)		ND
Pesticides (µg/kg)		ND
Semivolatile Organic Compounds (µg/kg)		ND
Volatile Organic Compounds (µg/kg)		ND
Acetone	210,000	180

TABLE 5
ANALYTICAL RESULTS FOR TOPSOIL SAMPLES - NOVEMBER 2012
ROYSTER GUANO REMOVAL

Notes

J Analyte was positively identified; the associated value is the
approximate concentration of the analyte in the sample
mg/kg Milligrams per kilogram
 $\mu\text{g}/\text{m}^3$ Microgram per cubic meter
NA Not applicable
ND Non detect
NL Not listed
RG Royster Guano Removal Investigation
RML EPA Regional Removal Management Level, July 2012
U Analyte was analyzed for, but was not detected at or above the
associated value (reporting limit)
BOLD Concentration exceeds the EPA RML

TABLE 6
ANALYTICAL RESULTS FOR AIR SAMPLES - NOVEMBER 2012
ROYSTER GUANO REMOVAL

Sample ID	Location	Arsenic ($\mu\text{g}/\text{m}^3$)	Lead ($\mu\text{g}/\text{m}^3$)
	Air Standards	0.050	0.150
RG-Easy 66-FYC	RG-EASY66-DW-1109	0.052 <	0.026 <
RG-Easy 78-BYC	RG-EASY78-DW-1203	0.047 <	0.036
RG-Easy 79-BYC	RG-EASY79-DW-1130	0.049 <	0.087
RG-Easy 81-FYC	RG-EASY81-DW-1117	0.050 <	0.025 <
RG-Easy 81-BYC	RG-EASY81-DW-1204	0.047 <	0.024 <
RG-Easy 83-FYC	RG-EASY82+83-DW-1112	0.051 <	0.026 <
RG-Easy 82-FYC	RG-EASY82+83-UW-1112	0.056 <	0.067
RG-Easy 82-FYC	RG-EASY82-DW-1108	0.048 <	0.043
RG-Easy 82-FYC	RG-EASY82-DW-1113	0.053 <	0.026 <
RG-Easy 83-FYC	RG-EASY83-DW-1114	0.050 <	0.025 <
RG-Easy 83-FYC	RG-EASY83-DW-1119	0.045 <	0.065
RG-Easy 84-FYC	RG-EASY84-DW-1120	0.046 <	0.230
RG-Easy 84-FYC	RG-EASY84-DW-1128	0.048 <	0.024 <
RG-Easy 84-FYC	RG-EASY84-DW-1129	0.048 <	0.024 <
RG-Easy 84-BYC	RG-EASY84-DW-1206	0.050 <	0.025 <
RG-Easy 84-BYC	RG-EASY84-DW-1207	0.050 <	0.016
RG-Easy 84-FYC	RG-EASY84-UW-1128	0.049 <	0.024 <
RG-Easy 84-FYC	RG-EASY84-UW-1129	0.047 <	0.024 <
RG-Easy 85-BYC	RG-EASY85-DW-1210	0.054 <	0.730
RG-Easy 85-BYC	RG-EASY85-DW-1211	0.120	0.280
RG-Easy 85-BYC	RG-EASY85-DW-1212	0.057 <	0.052
RG-Easy 85-FYC	RG-EASY85-DW-1213	0.045 <	0.023 <
RG-Howe 1029-BYC	RG-HOWE1029-DW-1101	0.063 <	0.031 <
RG-Howe 1029-BYC	RG-HOWE1029-DW-1102	0.050 <	0.100
RG-Howe 1029-BYC	RG-HOWE1029-UW-1101	0.063 <	0.069
RG-Howe 1029-BYC	RG-HOWE1029-UW-1102	0.050 <	0.032
RG-Howe 1041-FYC	RG-HOWE1041-DW-1214	0.057 <	0.031
RG-Howe 1045-BYC	RG-HOWE1045-DW-1217	0.058 <	0.029 <
RG-Howe 1045-FYC	RG-HOWE1045-DW-1218	0.059 <	0.029 <
RG-Howe 1045-FYC	RG-HOWE1045-UW-1217	0.057 <	0.029 <
RG-Howe 1045-BYC	RG-HOWE1045-UW-1218	0.057 <	0.029 <

TABLE 6
ANALYTICAL RESULTS FOR AIR SAMPLES - NOVEMBER 2012
ROYSTER GUANO REMOVAL

RG-Howe 1049-BYC	RG-HOWE1049-DW-1107	0.043 <	0.022 <
RG-Howe 1049-BYC	RG-HOWE1049-DW-1108	0.049 <	0.025 <
RG-Howe 1049-BYC	RG-HOWE1049-UW-1107	0.046 <	0.023 <
RG-Howe 1045-FYC	RG-SOILPILE-DW-1109	<i>0.050</i> <	0.028
RG-Howe 1045-FYC	RG-SOILPILE-DW-1113	<i>0.053</i> <	0.027 <
RG-Howe 1045-FYC	RG-SOILPILE-DW-1114	0.047 <	0.023 <
RG-Howe 1045-FYC	RG-SOILPILE-DW-1116	0.045 <	0.023 <
RG-Howe 1045-FYC	RG-SOILPILE-DW-1117	0.049 <	0.024 <
RG-Howe 1045-FYC	RG-SOILPILE-DW-1119	0.042 <	0.021 <
RG-Howe 1045-FYC	RG-SOILPILE-DW-1120	0.047 <	0.024 <
RG-Howe 1045-FYC	RG-SOILPILE-DW-1130	<i>0.051</i> <	0.025 <
RG-Howe 1045-FYC	RG-SOILPILE-DW-1203	0.046 <	0.042
RG-Howe 1045-FYC	RG-SOILPILE-DW-1204	0.048 <	0.100
RG-Howe 1045-FYC	RG-SOILPILE-DW-1205	0.044 <	0.025
RG-Howe 1045-FYC	RG-SOILPILE-DW-1206	<i>0.051</i> <	0.025 <
RG-Howe 1045-FYC	RG-SOILPILE-DW-1207	0.048 <	0.037
RG-Howe 1045-FYC	RG-SOILPILE-DW-1210	<i>0.055</i> <	0.033
RG-Howe 1045-FYC	RG-SOILPILE-DW-1211	0.045 <	0.093
RG-Howe 1045-FYC	RG-SOILPILE-DW-1212	<i>0.057</i> <	0.048
RG-Howe 1045-FYC	RG-SOILPILE-DW-1213	0.045 <	0.023 <
RG-Howe 1045-FYC	RG-SOILPILE-DW-1214	<i>0.056</i> <	0.041
RG-Howe 1045-BYC	RG-SOILPILE-UW-1116	0.046 <	0.023 <
RG-Howe 1045-BYC	RG-SOILPILE-UW-1205	0.044 <	0.022 <

Notes

<	Less than
A	Air
ID	Identification
L	Low flow
µg/m ³	Microgram per cubic meter
RG	Royster Guano
<i>ITALIC</i>	Analyte not detected, detection limit exceeded air standard
BOLD	Concentration exceeded the respective air standard