APPENDIX D

Baseline Ecological Evaluation Investigation Data Evaluated in the BEE

Table D-1
Analytes Detected in Main Post Background Surface Water Samples
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Analyte	Sample ID / Sample Date		M14-SW14 6/22/10				M14-SW14-Diss 6/22/10				M2-SW1 6/25/10				M2-SW1-Diss 6/25/10				M2-SW2 6/24/10			
	ESC																					
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																						
Chloroform	140	NAV	2.9	J		*0.34*	NT				0.34	U		*0.34*	NT				0.34	U		*0.34*
cis-1,2-Dichloroethene	NAV	NAV	1.3	J		*0.35*	NT				0.35	U		*0.35*	NT				1.9	J		*0.35*
Tetrachloroethene	45	NAV	0.27	U		*0.27*	NT				0.27	U		*0.27*	NT				1.3	J		*0.27*
SVOCs (ug/L)																						
Anthracene	0.035	NAV	0.12			*0.012*	NT				0.02	U		*0.02*	NT				0.012	U		*0.012*
Benzo(a)anthracene	0.025	NAV	0.23			*0.012*	NT				0.02	U		*0.02*	NT				0.012	U		*0.012*
Benzoic acid	NAV	NAV	2.1	U		*2.1*	NT				2	U		*2*	NT				2.1	U		*2.1*
1,2,4-Trichlorobenzene	30	NAV	0.56			*0.021*	NT				0.02	U		*0.02*	NT				0.02	U		*0.02*
Pesticides (ug/L)	None detected																					
PCBs (ug/L)	None detected																					
Metals (ug/L)																						
Aluminum	NAV	NAV	6.5	U		*6.5*	6.5	U		*6.5*	48.1	J		*6.5*	15.2	J		*6.5*	36.6	J		*6.5*
Arsenic	150	36	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*
Barium	220	NAV	39.1	J		*4*	40.5	J		*4*	64.7			*4*	63.7			*4*	60.7			*4*
Calcium	NAV	NAV	22600			*31.8*	23000			*31.8*	31000			*31.8*	31200			*31.8*	29600			*31.8*
Iron	NAV	NAV	755			*20.4*	365			*20.4*	1450			*20.4*	350			*20.4*	1400			*20.4*
Lead	5.4	24	6.52			*2.6*	6.42			*2.6*	6.99			*2.6*	18.8			*2.6*	5.99	J		*2.6*
Magnesium	NAV	NAV	3550			*32.5*	3610			*32.5*	4660			*32.5*	4740			*32.5*	4490			*32.5*
Manganese	NAV	NAV	42.4			*1.7*	40.7			*1.7*	86.9			*1.7*	82.6			*1.7*	71.3			*1.7*
Mercury	0.77	0.94	0.09	U		*0.09*	0.09	U		*0.09*	0.09	U		*0.09*	0.09	U		*0.09*	0.09	U		*0.09*
Nickel	33	22	4.65	J		*4.2*	4.85	J		*4.2*	9.23	J		*4.2*	8.92	J		*4.2*	7.99	J		*4.2*
Potassium	NAV	NAV	2400			*38.8*	2450			*38.8*	3330			*38.8*	3360			*38.8*	3380			*38.8*
Sodium	NAV	NAV	24300			*13.9*	24700			*13.9*	53700			*13.9*	56200			*13.9*	52200			*13.9*
Thallium	10	NAV	2.4	U		*2.4*	3.33	J		*2.4*	2.4	U		*2.4*	2.4	U		*2.4*	2.4	U		*2.4*
Zinc	85	81	47.6			*6.5*	48.5			*6.5*	50.4			*6.5*	40.4			*6.5*	59.2			*6.5*
Misc. (ug/L)																						
Hardness	NAV	NAV	71124			*105*	NT				96623			*105*	NT				92415			*105*

See Notes at end of Table

Table D-1
Analytes Detected in Main Post Background Surface Water Samples
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Analyte	Sample ID / Sample Date		M2-SW2-Diss 6/24/10				M3-SW12 6/22/10				M3-SW12-Diss 6/22/10				M3-SW13 6/25/10				M3-SW13-Diss 6/25/10			
	ESC																					
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																						
Chloroform	140	NAV	NT				0.34	U		*0.34*	NT				0.34	U		*0.34*	NT			
cis-1,2-Dichloroethene	NAV	NAV	NT				0.35	U		*0.35*	NT				0.35	U		*0.35*	NT			
Tetrachloroethene	45	NAV	NT				0.27	U		*0.27*	NT				0.27	U		*0.27*	NT			
SVOCs (ug/L)																						
Anthracene	0.035	NAV	NT				0.012	U		*0.012*	NT				0.021	U		*0.021*	NT			
Benzo(a)anthracene	0.025	NAV	NT				0.23			*0.012*	NT				0.021	U		*0.021*	NT			
Benzoic acid	NAV	NAV	NT				2.1	U		*2.1*	NT				2.1	U		*2.1*	NT			
1,2,4-Trichlorobenzene	30	NAV	NT				0.021	U		*0.021*	NT				0.021	U		*0.021*	NT			
Pesticides (ug/L)	None detected																					
PCBs (ug/L)	None detected																					
Metals (ug/L)																						
Aluminum	NAV	NAV	11.4	J		*6.5*	78.6			*6.5*	6.5	U		*6.5*	45.1	J		*6.5*	6.63	J		*6.5*
Arsenic	150	36	4.2	U		*4.2*	4.67	J		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*
Barium	220	NAV	63.1			*4*	47.2	J		*4*	46.3	J		*4*	38.7	J		*4*	35.8	J		*4*
Calcium	NAV	NAV	31100			*31.8*	35500			*31.8*	36700			*31.8*	35200			*31.8*	34900			*31.8*
Iron	NAV	NAV	212			*20.4*	2520			*20.4*	106			*20.4*	2090			*20.4*	277			*20.4*
Lead	5.4	24	8.67			*2.6*	9.59			*2.6*	10.6			*2.6*	11.2			*2.6*	12.9			*2.6*
Magnesium	NAV	NAV	4690			*32.5*	18100			*32.5*	18700			*32.5*	6130			*32.5*	6090			*32.5*
Manganese	NAV	NAV	69.9			*1.7*	86.1			*1.7*	86.9			*1.7*	55.4			*1.7*	52.6			*1.7*
Mercury	0.77	0.94	0.09	U		*0.09*	0.09	U		*0.09*	0.09	U		*0.09*	0.09	U		*0.09*	0.09	J		*0.09*
Nickel	33	22	7.01	J		*4.2*	5.02	J		*4.2*	5.81	J		*4.2*	4.2	U		*4.2*	5.22	J		*4.2*
Potassium	NAV	NAV	3510			*38.8*	8680			*38.8*	8810			*38.8*	4430			*38.8*	4460			*38.8*
Sodium	NAV	NAV	54200			*13.9*	141000			*13.9*	148000			*13.9*	27400			*13.9*	27600			*13.9*
Thallium	10	NAV	2.4	U		*2.4*	4.88	J		*2.4*	5.13	J		*2.4*	2.4	U		*2.4*	2.4	U		*2.4*
Zinc	85	81	50.9			*6.5*	53			*6.5*	44.6			*6.5*	41.7			*6.5*	38.1			*6.5*
Misc. (ug/L)																						
Hardness	NAV	NAV	NT				163253			*105*	NT				113133			*105*	NT			

See Notes at end of Table

Table D-1
Analytes Detected in Main Post Background Surface Water Samples
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Analyte	Sample ID / Sample Date		M8-SW11 6/21/10				M8-SW11-Diss 6/21/10				MP-SW1 6/25/10				MP-SW1-Diss 6/25/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																		
Chloroform	140	NAV	0.34	U		*0.34*	NT				0.34	U		*0.34*	NT			
cis-1,2-Dichloroethene	NAV	NAV	0.35	U		*0.35*	NT				0.35	U		*0.35*	NT			
Tetrachloroethene	45	NAV	0.27	U		*0.27*	NT				0.27	U		*0.27*	NT			
SVOCs (ug/L)																		
Anthracene	0.035	NAV	0.013	U		*0.013*	NT				0.021	U		*0.021*	NT			
Benzo(a)anthracene	0.025	NAV	0.013	U		*0.013*	NT				0.021	U		*0.021*	NT			
Benzoic acid	NAV	NAV	2.2	U		*2.2*	NT				12			*2.1*	NT			
1,2,4-Trichlorobenzene	30	NAV	0.021	U		*0.021*	NT				0.021	U		*0.021*	NT			
Pesticides (ug/L)	None detected																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	34.3	J		*6.5*	6.5	U		*6.5*	56.6			*6.5*	12.6	J		*6.5*
Arsenic	150	36	4.2	U		*4.2*	4.73	J		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*
Barium	220	NAV	33.5	J		*4*	31.4	J		*4*	37.2	J		*4*	31.8	J		*4*
Calcium	NAV	NAV	40700			*31.8*	38900			*31.8*	34700			*31.8*	31800			*31.8*
Iron	NAV	NAV	1510			*20.4*	387			*20.4*	2060			*20.4*	286			*20.4*
Lead	5.4	24	11.6			*2.6*	7.7			*2.6*	11.1			*2.6*	12.4			*2.6*
Magnesium	NAV	NAV	53800			*32.5*	51600			*32.5*	5920			*32.5*	5610			*32.5*
Manganese	NAV	NAV	106			*1.7*	101			*1.7*	55.9			*1.7*	48.5			*1.7*
Mercury	0.77	0.94	0.09	U		*0.09*	0.09	U		*0.09*	0.09	U		*0.09*	0.11	J		*0.09*
Nickel	33	22	4.84	J		*4.2*	5.17	J		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*
Potassium	NAV	NAV	19900			*38.8*	19100			*38.8*	4330			*38.8*	4250			*38.8*
Sodium	NAV	NAV	433000			*13.9*	419000			*13.9*	26400			*13.9*	25800			*13.9*
Thallium	10	NAV	8.77	J		*2.4*	6.95	J		*2.4*	2.4	U		*2.4*	2.4	U		*2.4*
Zinc	85	81	50.9			*6.5*	41.7			*6.5*	38.4			*6.5*	47.3			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	323391			*105*	NT				111125			*105*	NT			

See Notes at end of Table

Table D-1
Analytes Detected in Main Post Background Surface Water Samples
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Analyte	Sample ID / Sample Date		MP-SW2 6/25/10				MP-SW2-Diss 6/25/10				MP-SW3 6/25/10				MP-SW3-Diss 6/25/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																		
Chloroform	140	NAV	0.34	U		*0.34*	NT				0.34	U		*0.34*	NT			
cis-1,2-Dichloroethene	NAV	NAV	0.35	U		*0.35*	NT				3.3	J		*0.35*	NT			
Tetrachloroethene	45	NAV	0.27	U		*0.27*	NT				0.27	U		*0.27*	NT			
SVOCs (ug/L)																		
Anthracene	0.035	NAV	0.052	J		*0.021*	NT				0.02	U		*0.02*	NT			
Benzo(a)anthracene	0.025	NAV	0.021	U		*0.021*	NT				0.02	U		*0.02*	NT			
Benzoic acid	NAV	NAV	2.1	U		*2.1*	NT				2	U		*2*	NT			
1,2,4-Trichlorobenzene	30	NAV	0.021	U		*0.021*	NT				0.02	U		*0.02*	NT			
Pesticides (ug/L)	None detected																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	43.2	J		*6.5*	21.7	J		*6.5*	47.5	J		*6.5*	17.6	J		*6.5*
Arsenic	150	36	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*
Barium	220	NAV	63.2			*4*	64.7			*4*	48.2	J		*4*	45.6	J		*4*
Calcium	NAV	NAV	29200			*31.8*	31000			*31.8*	27500			*31.8*	26900			*31.8*
Iron	NAV	NAV	1310			*20.4*	266			*20.4*	500			*20.4*	84.8			*20.4*
Lead	5.4	24	8.51			*2.6*	5.79	J		*2.6*	6.44			*2.6*	7.33			*2.6*
Magnesium	NAV	NAV	4450			*32.5*	4640			*32.5*	4080			*32.5*	4010			*32.5*
Manganese	NAV	NAV	90.7			*1.7*	88.8			*1.7*	36			*1.7*	32.1			*1.7*
Mercury	0.77	0.94	0.09	U		*0.09*	0.09	U		*0.09*	0.09	U		*0.09*	0.09	U		*0.09*
Nickel	33	22	9.22	J		*4.2*	8.67	J		*4.2*	15.8	J		*4.2*	7.37	J		*4.2*
Potassium	NAV	NAV	3120			*38.8*	3240			*38.8*	2730			*38.8*	2660			*38.8*
Sodium	NAV	NAV	51900			*13.9*	54300			*13.9*	26300			*13.9*	26200			*13.9*
Thallium	10	NAV	2.4	U		*2.4*	2.4	U		*2.4*	2.4	U		*2.4*	2.4	U		*2.4*
Zinc	85	81	59.9			*6.5*	49.7			*6.5*	56.7			*6.5*	46.7			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	91126			*105*	NT				85389			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for nickel and zinc are based on minimum detected hardness in Main Post site and background samples (Appendix G)

Table D-2
Analytes Detected in Main Post Background Sediment Samples
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Analyte	Sample ID / Sample Date		M2-SD1 6/25/10				M2-SD2 6/24/10				M3-SD12 6/21/10				M3-SD13 6/25/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																		
Acetone	NAV	NAV	0.02	J		*0.0039*	0.004	U		*0.004*	0.0041	U		*0.0041*	0.021	J		*0.0046*
Methylene chloride	0.159	NAV	0.0019	U		*0.0019*	0.0019	U		*0.0019*	0.0025	J		*0.0019*	0.0022	U		*0.0022*
Toluene	2.5	2.5	0.00084	U		*0.00084*	0.00084	U		*0.00084*	0.00087	U		*0.00087*	0.00098	U		*0.00098*
2-Butanone	NAV	NAV	0.0041	U		*0.0041*	0.0041	U		*0.0041*	0.0042	U		*0.0042*	0.0048	U		*0.0048*
SVOCs (mg/kg)																		
Acenaphthene	0.016	0.016	0.057	U		*0.057*	0.061	U		*0.061*	0.12	J		*0.013*	0.014	U		*0.014*
Acenaphthylene	0.044	0.044	0.051	U		*0.051*	0.054	U		*0.054*	0.011	U		*0.011*	0.013	U		*0.013*
Anthracene	0.22	0.085	0.11			*0.0024*	0.017	J		*0.0026*	0.14			*0.00054*	0.00061	U		*0.00061*
Benzo(a)anthracene	0.32	0.261	0.68			*0.0024*	0.11			*0.0019*	0.5			*0.0004*	0.00061	U		*0.00061*
Benzo(a)pyrene	0.37	0.43	0.58			*0.0024*	0.11			*0.0019*	0.51			*0.0004*	0.00061	U		*0.00061*
Benzo(b)fluoranthene	10.4	1.8	0.72	J		*0.066*	0.071	U		*0.071*	0.77			*0.015*	0.017	U		*0.017*
Benzo(g,h,i)perylene	0.17	0.17	0.41	J		*0.082*	0.088	U		*0.088*	0.38	J		*0.018*	0.021	U		*0.021*
Benzo(k)fluoranthene	0.24	0.24	0.28	J		*0.096*	0.1	U		*0.1*	0.28	J		*0.021*	0.024	U		*0.024*
bis(2-Ethylhexyl)phthalate	0.182	0.18216	0.072	U		*0.072*	0.076	U		*0.076*	0.069	J		*0.016*	0.018	U		*0.018*
Butylbenzylphthalate	1.97	0.063	0.097	U		*0.097*	0.6	J		*0.1*	0.022	U		*0.022*	0.025	U		*0.025*
Chrysene	0.34	0.384	0.68	J		*0.092*	0.098	U		*0.098*	0.67			*0.02*	0.023	U		*0.023*
Dibenz(a,h)anthracene	0.06	0.063	0.058	U		*0.058*	0.062	U		*0.062*	0.088	J		*0.013*	0.015	U		*0.015*
Dibenzofuran	NAV	NAV	0.079	U		*0.079*	0.084	U		*0.084*	0.062	J		*0.018*	0.02	U		*0.02*
3,3'-Dichlorobenzidine	0.127	NAV	0.0024	U		*0.0024*	0.0026	U		*0.0026*	0.00054	U		*0.00054*	0.016			*0.00061*
Dimethylphthalate	NAV	NAV	0.55	J		*0.055*	0.43	J		*0.058*	0.47			*0.012*	0.66			*0.014*
Fluoranthene	0.75	0.6	1.4	J		*0.041*	0.043	U		*0.043*	1.7			*0.009*	0.01	U		*0.01*
Fluorene	0.19	0.019	0.077	U		*0.077*	0.082	U		*0.082*	0.13	J		*0.017*	0.019	U		*0.019*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.37	J		*0.068*	0.072	U		*0.072*	0.35	J		*0.015*	0.017	U		*0.017*
Phenanthrene	0.56	0.24	0.56	J		*0.055*	0.058	U		*0.058*	1.3			*0.012*	0.014	U		*0.014*
Pyrene	0.49	0.665	1.2	J		*0.049*	0.052	U		*0.052*	1.2			*0.011*	0.012	U		*0.012*
Pesticides (mg/kg)																		
4,4'-DDD	0.008	0.002	0.0047	P		*0.00021*	0.0022	JP		*0.00022*	0.00023	U		*0.00023*	0.00026	U		*0.00026*
4,4'-DDE	0.005	0.0022	0.0017	JP		*0.00024*	0.00026	U		*0.00026*	0.00027	U		*0.00027*	0.00031	U		*0.00031*
PCBs (mg/kg)																		
Aroclor 1242	0.07	0.023	0.0026	U		*0.0026*	0.064			*0.0027*	0.0028	U		*0.0028*	0.0032	U		*0.0032*
Aroclor 1254	0.06	0.06	0.086	P		*0.0057*	0.0061	U		*0.0061*	0.0063	U		*0.0063*	0.0072	U		*0.0072*

See Notes at end of Table

Table D-2
Analytes Detected in Main Post Background Sediment Samples
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Analyte	Sample ID / Sample Date		M2-SD1 6/25/10				M2-SD2 6/24/10				M3-SD12 6/21/10				M3-SD13 6/25/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
Metals (mg/kg)																		
Aluminum	25500	18000	2660			*0.91*	3280			*0.99*	3430			*0.92*	17600			*1.04*
Antimony	3	9.3	2.4	J		*0.6*	6.96			*0.66*	1.08	J		*0.61*	3.45			*0.69*
Arsenic	6	8.2	7.08			*0.36*	16.1			*0.39*	14			*0.36*	61.6			*0.41*
Barium	NAV	48	65.7			*0.43*	37.3			*0.47*	53.9			*0.44*	77.3			*0.49*
Beryllium	NAV	NAV	2.72			*0.06*	1.32			*0.07*	1.1			*0.07*	3.07			*0.07*
Cadmium	0.6	1.2	5.27			*0.06*	4.11			*0.07*	1.36			*0.07*	17.2			*0.07*
Calcium	NAV	NAV	446			*1.15*	638			*1.26*	2070			*1.17*	1.32	U		*1.32*
Chromium	26	81	57.5			*0.14*	60.3			*0.15*	45.8			*0.14*	125			*0.16*
Cobalt	50	10	13			*0.61*	11.2			*0.67*	3.32			*0.62*	6.3			*0.7*
Copper	16	34	60			*0.34*	165			*0.38*	13.1			*0.35*	0.4	U		*0.4*
Iron	NAV	NAV	72700			*1.43*	47300			*1.57*	41200			*1.46*	162000			*1.64*
Lead	31	47	945			*0.42*	44			*0.46*	31.8			*0.43*	30.4			*0.48*
Magnesium	NAV	NAV	1100			*4.94*	1220			*5.41*	1200			*5.02*	4650			*5.66*
Manganese	630	260	175			*0.2*	155			*0.22*	40.9			*0.21*	69.1			*0.23*
Mercury	0.2	0.15	0.026			*0.002*	0.073			*0.003*	0.026			*0.001*	0.02			*0.003*
Nickel	16	21	40.5			*0.5*	37.8			*0.54*	8.39			*0.5*	17.2			*0.57*
Potassium	NAV	NAV	1840			*3.77*	3000			*4.14*	3060			*3.84*	9790			*4.33*
Selenium	NAV	1	9.61			*0.44*	7.08			*0.48*	5.12			*0.45*	19			*0.51*
Silver	1	1	0.16	U		*0.16*	0.18	U		*0.18*	0.16	U		*0.16*	0.19	U		*0.19*
Sodium	NAV	NAV	229			*2.72*	159			*2.98*	155			*2.76*	312			*3.12*
Thallium	NAV	NAV	0.29	U		*0.29*	0.32	U		*0.32*	0.3	U		*0.3*	3.02			*0.33*
Vanadium	NAV	57	14.9			*0.64*	27.3			*0.7*	35.1			*0.65*	218			*0.73*
Zinc	120	150	243			*0.75*	169			*0.83*	160			*0.77*	117			*0.87*
Misc. (mg/kg)																		
Total Organic Carbon	NAV	NAV	1200			*250*	900			*250*	2100			*250*	1700			*250*

See Notes at end of Table

Table D-2
Analytes Detected in Main Post Background Sediment Samples
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Analyte	Sample ID / Sample Date		M8-SD11 6/21/10				M14-SD14 6/16/10				MP-SD1 6/25/10				MP-SD2 6/25/10				MP-SD3 6/25/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																						
Acetone	NAV	NAV	0.038			*0.0041*	0.004	U		*0.004*	0.021	J		*0.0054*	0.34			*0.0068*	0.012	J		*0.004*
Methylene chloride	0.159	NAV	0.003	J		*0.0019*	0.0019	U		*0.0019*	0.0035	J		*0.0025*	0.0088	J		*0.0032*	0.0019	U		*0.0019*
Toluene	2.5	2.5	0.00086	U		*0.00086*	0.00085	U		*0.00085*	0.0011	U		*0.0011*	0.0014	U		*0.0014*	0.013			*0.00085*
2-Butanone	NAV	NAV	0.0094	J		*0.0042*	0.0041	U		*0.0041*	0.0055	U		*0.0055*	0.095			*0.007*	0.0041	U		*0.0041*
SVOCs (mg/kg)																						
Acenaphthene	0.016	0.016	0.013	U		*0.013*	0.013	U		*0.013*	0.016	U		*0.016*	0.11	J		*0.017*	0.062	U		*0.062*
Acenaphthylene	0.044	0.044	0.011	U		*0.011*	0.011	U		*0.011*	0.014	U		*0.014*	0.089	J		*0.016*	0.056	U		*0.056*
Anthracene	0.22	0.085	0.00053	U		*0.00053*	0.035			*0.00053*	0.00068	U		*0.00068*	0.21			*0.00074*	0.25			*0.0027*
Benzo(a)anthracene	0.32	0.261	0.018			*0.0004*	0.071			*0.00053*	0.00068	U		*0.00068*	0.44			*0.00074*	1.2			*0.0027*
Benzo(a)pyrene	0.37	0.43	0.025			*0.0004*	0.061			*0.00053*	0.00068	U		*0.00068*	0.19			*0.00074*	1.2			*0.0027*
Benzo(b)fluoranthene	10.4	1.8	0.015	U		*0.015*	0.066	J		*0.015*	0.018	U		*0.018*	0.54	J		*0.02*	1.8	J		*0.072*
Benzo(g,h,i)perylene	0.17	0.17	0.018	U		*0.018*	0.018	U		*0.018*	0.023	U		*0.023*	0.025	U		*0.025*	0.87	J		*0.09*
Benzo(k)fluoranthene	0.24	0.24	0.021	U		*0.021*	0.021	U		*0.021*	0.027	U		*0.027*	0.13	J		*0.029*	0.64	J		*0.1*
bis(2-Ethylhexyl)phthalate	0.182	0.18216	0.016	U		*0.016*	0.016	U		*0.016*	0.02	U		*0.02*	0.022	U		*0.022*	0.078	U		*0.078*
Butylbenzylphthalate	1.97	0.063	0.021	U		*0.021*	0.021	U		*0.021*	0.027	U		*0.027*	0.03	U		*0.03*	0.11	U		*0.11*
Chrysene	0.34	0.384	0.02	U		*0.02*	0.064	J		*0.02*	0.026	U		*0.026*	0.91			*0.028*	1.7	J		*0.1*
Dibenz(a,h)anthracene	0.06	0.063	0.013	U		*0.013*	0.013	U		*0.013*	0.016	U		*0.016*	0.018	U		*0.018*	0.064	U		*0.064*
Dibenzofuran	NAV	NAV	0.017	U		*0.017*	0.017	U		*0.017*	0.022	U		*0.022*	0.082	J		*0.024*	0.086	U		*0.086*
3,3'-Dichlorobenzidine	0.127	NAV	0.00053	U		*0.00053*	0.00053	U		*0.00053*	0.00068	U		*0.00068*	0.00074	U		*0.00074*	0.0027	U		*0.0027*
Dimethylphthalate	NAV	NAV	0.48			*0.012*	0.28	J		*0.012*	0.61			*0.015*	0.79			*0.017*	0.71	J		*0.06*
Fluoranthene	0.75	0.6	0.064	J		*0.0089*	0.15	J		*0.0089*	0.011	U		*0.011*	4.0			*0.012*	4.5			*0.045*
Fluorene	0.19	0.019	0.017	U		*0.017*	0.017	U		*0.017*	0.021	U		*0.021*	0.32	J		*0.023*	0.084	U		*0.084*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.015	U		*0.015*	0.015	U		*0.015*	0.019	U		*0.019*	0.095	J		*0.021*	0.84	J		*0.074*
Phenanthrene	0.56	0.24	0.012	U		*0.012*	0.15	J		*0.012*	0.015	U		*0.015*	2.0			*0.017*	3.1			*0.06*
Pyrene	0.49	0.665	0.011	U		*0.011*	0.12	J		*0.011*	0.014	U		*0.014*	2.3			*0.015*	3.0			*0.053*
Pesticides (mg/kg)																						
4,4'-DDD	0.008	0.002	0.00023	U		*0.00023*	0.0022	JP		*0.00023*	0.00029	U		*0.00029*	0.00031	U		*0.00031*	0.00023	U		*0.00023*
4,4'-DDE	0.005	0.0022	0.00027	U		*0.00027*	0.0034			*0.00027*	0.00034	U		*0.00034*	0.00037	U		*0.00037*	0.00027	U		*0.00027*
PCBs (mg/kg)																						
Aroclor 1242	0.07	0.023	0.0028	U		*0.0028*	0.0028	U		*0.0028*	0.0035	U		*0.0035*	0.0039	U		*0.0039*	0.0028	U		*0.0028*
Aroclor 1254	0.06	0.06	0.0062	U		*0.0062*	0.0063	U		*0.0063*	0.0079	U		*0.0079*	0.021	J		*0.0087*	0.0062	U		*0.0062*

See Notes at end of Table

Table D-2
Analytes Detected in Main Post Background Sediment Samples
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Analyte	Sample ID / Sample Date		M8-SD11 6/21/10				M14-SD14 6/16/10				MP-SD1 6/25/10				MP-SD2 6/25/10				MP-SD3 6/25/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
Metals (mg/kg)																						
Aluminum	25500	18000	4110			*0.97*	965			*0.69*	12800			*1.16*	11900			*1.28*	1660			*0.92*
Antimony	3	9.3	1.7	J		*0.65*	0.46	U		*0.46*	1.62	J		*0.77*	1.61	J		*0.85*	0.61	U		*0.61*
Arsenic	6	8.2	19.2			*0.38*	0.68	J		*0.27*	21.9			*0.45*	18.8			*0.5*	2.23			*0.36*
Barium	NAV	48	19			*0.46*	11.5			*0.33*	174			*0.55*	196			*0.61*	14.6			*0.44*
Beryllium	NAV	NAV	1.2			*0.07*	0.2	J		*0.05*	2.66			*0.08*	3.83			*0.09*	0.96			*0.07*
Cadmium	0.6	1.2	2.5			*0.07*	0.75			*0.05*	7.54			*0.08*	8.72			*0.09*	1.33			*0.07*
Calcium	NAV	NAV	1170			*1.23*	717			*0.88*	4310			*1.47*	1960			*1.63*	529			*1.17*
Chromium	26	81	53.3			*0.15*	9.24			*0.11*	116			*0.18*	94.3			*0.2*	27			*0.14*
Cobalt	50	10	5.98			*0.66*	1.05	J		*0.47*	12.1			*0.78*	16.8			*0.87*	1.6	J		*0.63*
Copper	16	34	0.37	U		*0.37*	1.88			*0.26*	0.44	U		*0.44*	22			*0.49*	3.93			*0.35*
Iron	NAV	NAV	58700			*1.53*	2960			*1.09*	93300			*1.83*	44300			*2.03*	9070			*1.46*
Lead	31	47	30.7			*0.45*	5.61			*0.32*	12.1			*0.54*	83.8			*0.6*	20.5			*0.43*
Magnesium	NAV	NAV	1510			*5.29*	192			*3.75*	4420			*6.3*	1390			*6.99*	425			*5.03*
Manganese	630	260	50.7			*0.22*	4.86			*0.16*	551			*0.26*	97.8			*0.29*	13.8			*0.21*
Mercury	0.2	0.15	0.055			*0.001*	0.002	U		*0.002*	0.034			*0.003*	0.424			*0.004*	0.021			*0.003*
Nickel	16	21	12.8			*0.53*	2.55			*0.38*	15.9			*0.63*	53.5			*0.7*	4.98			*0.5*
Potassium	NAV	NAV	2140			*4.04*	507			*2.86*	12000			*4.81*	2620			*5.34*	963			*3.84*
Selenium	NAV	1	7.73			*0.47*	0.95			*0.34*	12.4			*0.56*	7			*0.63*	1.73			*0.45*
Silver	1	1	0.17	U		*0.17*	0.12	U		*0.12*	0.21	U		*0.21*	11.2			*0.23*	0.16	U		*0.16*
Sodium	NAV	NAV	1230			*2.91*	28.6	J		*2.06*	192			*3.47*	366			*3.85*	69	J		*2.77*
Thallium	NAV	NAV	0.88	J		*0.31*	0.22	U		*0.22*	1.23	J		*0.37*	0.41	U		*0.41*	0.3	U		*0.3*
Vanadium	NAV	57	74			*0.68*	6.82			*0.48*	75.2			*0.81*	66			*0.9*	14.6			*0.65*
Zinc	120	150	149			*0.81*	31.4			*0.57*	107			*0.96*	423			*1.07*	62.5			*0.77*
Misc. (mg/kg)																						
Total Organic Carbon	NAV	NAV	2900			*250*	1700			*250*	2100			*250*	6100			*250*	2400			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
ESC = Ecological Screening Criteria (see Section 3.3)
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-3
Analytes Detected in Charles Wood Area Background Surface Water Samples

Analyte	Sample ID / Sample Date		CW3-SW7 6/28/10				CW3-SW7-Diss 6/28/10				CW6-SW6 6/24/10				CW6-SW6-Diss 6/24/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																		
Methyl-tert-butyl ether	51000	18000	3.8	J		*0.35*	NT				0.013	U		*0.013*	NT			
SVOCs (ug/L)																		
Anthracene	0.035	NAV	0.11			*0.02*	NT				0.013	U		*0.013*	NT			
Pesticides (ug/L)																		
4,4'-DDD	NAV	NAV	0.008			*0.0007*	NT				0.0007	U		*0.0007*	NT			
PCBs (ug/L)																		
Aroclor 1242	0.014	0.03	0.007	U		*0.007*	NT				0.3			*0.007*	NT			
Metals (ug/L)																		
Aluminum	NAV	NAV	9500			*6.5*	119			*6.5*	146			*6.5*	14	J		*6.5*
Arsenic	150	36	20.7			*4.2*	6.83	J		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*
Barium	220	NAV	131			*4*	73.8			*4*	80.8			*4*	81.3			*4*
Beryllium	3.6	NAV	0.8	J		*0.7*	0.7	U		*0.7*	0.7	U		*0.7*	0.7	U		*0.7*
Cadmium	0.14	8.8	2.07	J		*0.5*	0.5	U		*0.5*	1.13	J		*0.5*	0.8	J		*0.5*
Calcium	NAV	NAV	30300			*31.8*	29400			*31.8*	28400			*31.8*	28600			*31.8*
Chromium	19	50	55.5			*1.1*	2.55	J		*1.1*	1.1	U		*1.1*	1.1	U		*1.1*
Cobalt	24	NAV	7.94	J		*5.8*	5.8	U		*5.8*	29.4			*5.8*	28.7			*5.8*
Copper	6.5	3.1	9.99	J		*6.6*	6.6	U		*6.6*	6.6	U		*6.6*	6.6	U		*6.6*
Iron	NAV	NAV	38400			*20.4*	16200			*20.4*	2840			*20.4*	1440			*20.4*
Lead	5.4	24	69.7			*2.6*	2.6	U		*2.6*	7.94			*2.6*	6.32			*2.6*
Magnesium	NAV	NAV	14100			*32.5*	12300			*32.5*	5730			*32.5*	5900			*32.5*
Manganese	NAV	NAV	160			*1.7*	127			*1.7*	141			*1.7*	147			*1.7*
Mercury	0.77	0.94	0.41			*0.09*	0.1	J		*0.09*	0.09	U		*0.09*	0.09	U		*0.09*
Nickel	34	22	14.5	J		*4.2*	4.2	U		*4.2*	32.6			*4.2*	31.2			*4.2*
Potassium	NAV	NAV	14300			*38.8*	12700			*38.8*	3370			*38.8*	3470			*38.8*
Sodium	NAV	NAV	119000			*13.9*	120000			*13.9*	66800			*13.9*	69900			*13.9*
Vanadium	12	NAV	60.1			*6.1*	6.91	J		*6.1*	6.1	U		*6.1*	6.1	U		*6.1*
Zinc	88	81	149			*6.5*	45.2			*6.5*	79.5			*6.5*	79.9			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	133738			*105*	NT				94486			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness in Charles Wood Area site and background samples (Appendix G).

Table D-4
Analytes Detected in Charles Wood Area Background Sediment Samples

Analyte	Sample ID / Sample Date		CW3-SD7 6/28/10				CW3-SD8 6/28/10				CW6-SD6 6/24/10			
	ESC													
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)														
Acetone	NAV	NAV	0.093	J		*0.02*	0.34			*0.015*	0.0039	U		*0.0039*
Methylene chloride	0.159	NAV	0.013	J		*0.0094*	0.0093	J		*0.0069*	0.0018	U		*0.0018*
Styrene	0.254	0.254	0.003	U		*0.003*	0.0022	U		*0.0022*	0.001	J		*0.00058*
Toluene	2.5	2.5	0.0043	U		*0.0043*	0.0031	U		*0.0031*	0.002	J		*0.00082*
2-Butanone	NAV	NAV	0.021	U		*0.021*	0.1	J		*0.015*	0.004	U		*0.004*
SVOCs (mg/kg)														
Acenaphthene	0.016	0.016	0.029	U		*0.029*	0.028	U		*0.028*	0.47	J		*0.061*
Acenaphthylene	0.044	0.044	0.026	U		*0.026*	0.025	U		*0.025*	1.6	J		*0.054*
Anthracene	0.22	0.085	0.011			*0.0012*	0.011			*0.0012*	0.3			*0.0026*
Benzo(a)anthracene	0.32	0.261	0.0012	U		*0.0012*	0.028			*0.0012*	1.0			*0.0019*
Benzo(a)pyrene	0.37	0.43	0.03			*0.0012*	0.034			*0.0012*	1.2			*0.0019*
Benzo(b)fluoranthene	10.4	1.8	0.034	U		*0.034*	0.033	U		*0.033*	2.1	J		*0.071*
Benzo(g,h,i)perylene	0.17	0.17	0.042	U		*0.042*	0.041	U		*0.041*	0.89	J		*0.087*
Benzo(k)fluoranthene	0.24	0.24	0.049	U		*0.049*	0.047	U		*0.047*	0.74	J		*0.1*
Chrysene	0.34	0.384	0.047	U		*0.047*	0.046	U		*0.046*	1.9	J		*0.098*
Dibenzofuran	NAV	NAV	0.041	U		*0.041*	0.039	U		*0.039*	0.48	J		*0.084*
Dimethylphthalate	NAV	NAV	1.6			*0.028*	1.5			*0.027*	0.45	J		*0.058*
Fluoranthene	0.75	0.6	0.021	U		*0.021*	0.02	U		*0.02*	4.9			*0.043*
Fluorene	0.19	0.019	0.039	U		*0.039*	0.038	U		*0.038*	0.82	J		*0.082*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.035	U		*0.035*	0.034	U		*0.034*	0.98	J		*0.072*
2-Methylnaphthalene	0.07	0.07	0.026	U		*0.026*	0.025	U		*0.025*	1.3	J		*0.054*
Naphthalene	0.16	0.16	0.036	U		*0.036*	0.035	U		*0.035*	4.4			*0.074*
Phenanthrene	0.56	0.24	0.028	U		*0.028*	0.027	U		*0.027*	8.3			*0.058*
Pyrene	0.49	0.665	0.025	U		*0.025*	0.024	U		*0.024*	3.3			*0.052*
Pesticides (mg/kg)														
4,4'-DDD	0.008	0.002	0.0031	J		*0.00053*	0.00051	U		*0.00051*	0.00022	U		*0.00022*
PCBs (mg/kg)	None detected													
Metals (mg/kg)														
Aluminum	25500	18000	10200			*2.26*	8680			*2.23*	860			*1.09*
Arsenic	6	8.2	4.84			*0.89*	5.43			*0.87*	0.68	J		*0.43*
Barium	NAV	48	101			*1.08*	140			*1.06*	4.41	J		*0.52*
Beryllium	NAV	NAV	1.14			*0.16*	1.09			*0.16*	0.38	J		*0.08*
Cadmium	0.6	1.2	1.08			*0.16*	0.78	J		*0.16*	0.38	J		*0.08*
Calcium	NAV	NAV	2480			*2.88*	2080			*2.84*	16.7	J		*1.38*
Chromium	26	81	60.7			*0.35*	97.3			*0.34*	75.8			*0.17*
Cobalt	50	10	3.0	J		*1.53*	3.74	J		*1.51*	8.94			*0.74*
Copper	16	34	7.02			*0.86*	7.09			*0.85*	2.49			*0.41*
Iron	NAV	NAV	14700			*3.58*	12200			*3.53*	9040			*1.72*
Lead	31	47	36			*1.05*	27			*1.03*	5.67			*0.5*
Magnesium	NAV	NAV	1900			*12.3*	1320			*12.1*	160			*5.92*
Manganese	630	260	35			*0.51*	69.1			*0.5*	4.36			*0.25*
Mercury	0.2	0.15	0.251			*0.006*	0.096			*0.006*	0.064			*0.002*
Nickel	16	21	11.5			*1.24*	9.51			*1.22*	56.2			*0.6*
Potassium	NAV	NAV	2000			*9.42*	1790			*9.28*	441			*4.53*
Selenium	NAV	1	3.15			*1.1*	4.15			*1.09*	1.82			*0.53*
Sodium	NAV	NAV	1290			*6.78*	4050			*6.68*	150			*3.26*
Vanadium	NAV	57	50.3			*1.59*	45.2			*1.56*	10.7			*0.76*
Zinc	120	150	84.9			*1.88*	58.6			*1.86*	15.3			*0.91*
Misc. (mg/kg)														
Total Organic Carbon	NAV	NAV	6900			*250*	8200			*250*	540			*250*

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ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-5
Analytes Detected in Charles Wood Area Downgradient Surface Water Samples

Analyte	Sample ID / Sample Date		CWA-SW1 6/24/10				CWA-SW1-Diss 6/24/10				CW6-SW5 6/24/10				CW6-SW5-Diss 6/24/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected																	
SVOCs (ug/L)																		
Hexachlorobutadiene	0.053	NAV	0.12			*0.022*	NT				0.022	U		*0.022*	NT			
Pesticides (ug/L)	None detected																	
PCBs (ug/L)																		
Aroclor 1242	0.014	0.03	0.007	U		*0.007*	NT				0.13			*0.008*	NT			
Metals (ug/L)																		
Aluminum	NAV	NAV	58.4			*6.5*	11.4	J		*6.5*	130			*6.5*	16.3	J		*6.5*
Arsenic	150	36	10.2			*4.2*	7.47	J		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*
Barium	220	NAV	76.1			*4*	58.5			*4*	69.4			*4*	65.6			*4*
Cadmium	0.17	8.8	0.5	U		*0.5*	0.5	U		*0.5*	0.52	J		*0.5*	0.5	U		*0.5*
Calcium	NAV	NAV	45600			*31.8*	44500			*31.8*	30200			*31.8*	29600			*31.8*
Cobalt	24	NAV	5.8	U		*5.8*	5.8	U		*5.8*	16.6			*5.8*	16.5			*5.8*
Iron	NAV	NAV	10800			*20.4*	3660			*20.4*	2520			*20.4*	252			*20.4*
Lead	5.4	24	13.4			*2.6*	14			*2.6*	8.09			*2.6*	8.79			*2.6*
Magnesium	NAV	NAV	4540			*32.5*	4490			*32.5*	4830			*32.5*	4720			*32.5*
Manganese	NAV	NAV	591			*1.7*	564			*1.7*	113			*1.7*	109			*1.7*
Nickel	34	22	4.2	U		*4.2*	4.2	U		*4.2*	23			*4.2*	20.8			*4.2*
Potassium	NAV	NAV	5340			*38.8*	5290			*38.8*	3150			*38.8*	3100			*38.8*
Selenium	5	71	4.8	U		*4.8*	5.33	J		*4.8*	4.8	U		*4.8*	4.8	U		*4.8*
Sodium	NAV	NAV	36400			*13.9*	36100			*13.9*	55500			*13.9*	54700			*13.9*
Zinc	88	81	50.7			*6.5*	48.3			*6.5*	80.1			*6.5*	66.5			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	132498			*105*	NT				95205			*105*	NT			

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ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness in Charles Wood Area site and background samples (Appendix G).

Table D-6
Analytes Detected in Charles Wood Area Downgradient Sediment Samples

Analyte	Sample ID / Sample Date		CWA-SD1 6/24/10				CW6-SD5 6/24/10			
	ESC									
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)										
Acetone	NAV	NAV	0.021	J		*0.0051*	0.015	J		*0.004*
Methylene chloride	0.159	NAV	0.0032	J		*0.0024*	0.0019	U		*0.0019*
SVOCs (mg/kg)										
Acenaphthene	0.016	0.016	0.49	J		*0.079*	0.013	U		*0.013*
Anthracene	0.22	0.085	0.082			*0.0034*	0.0053			*0.00053*
Benzo(a)anthracene	0.32	0.261	0.031			*0.0025*	0.033			*0.0004*
Benzo(a)pyrene	0.37	0.43	0.02	J		*0.0025*	0.036			*0.0004*
Dimethylphthalate	NAV	NAV	0.53	J		*0.076*	0.43	J		*0.012*
Fluoranthene	0.75	0.6	0.057	U		*0.057*	0.093	J		*0.0089*
Phenanthrene	0.56	0.24	0.6	J		*0.076*	0.012	U		*0.012*
Pyrene	0.49	0.665	0.068	U		*0.068*	0.068	J		*0.011*
Pesticides (mg/kg)	None detected									
PCBs (mg/kg)										
Aroclor 1242	0.07	0.023	0.0035	U		*0.0035*	0.05			*0.0028*
Metals (mg/kg)										
Aluminum	25500	18000	4170			*1.14*	2170			*0.99*
Antimony	3	9.3	0.76	J		*0.76*	0.66	U		*0.66*
Arsenic	6	8.2	6.29			*0.45*	3.18			*0.39*
Barium	NAV	48	40.3			*0.54*	13.1			*0.47*
Beryllium	NAV	NAV	0.44			*0.08*	1.02			*0.07*
Cadmium	0.6	1.2	1.15			*0.08*	1.34			*0.07*
Calcium	NAV	NAV	5370			*1.45*	1.26	U		*1.26*
Chromium	26	81	32.8			*0.18*	50.2			*0.15*
Cobalt	50	10	3.36			*0.77*	5.82			*0.67*
Copper	16	34	15.6			*0.43*	4.63			*0.38*
Iron	NAV	NAV	14200			*1.8*	15700			*1.57*
Lead	31	47	32.4			*0.53*	13.4			*0.46*
Magnesium	NAV	NAV	1270			*6.19*	316			*5.41*
Manganese	630	260	59.6			*0.26*	4.9			*0.22*
Mercury	0.2	0.15	0.249			*0.003*	0.047			*0.003*
Nickel	16	21	8.06			*0.62*	29.7			*0.54*
Potassium	NAV	NAV	1560			*4.73*	871			*4.14*
Selenium	NAV	1	2.72			*0.55*	3.17			*0.48*
Sodium	NAV	NAV	238			*3.41*	133			*2.98*
Vanadium	NAV	57	24.1			*0.8*	19.9			*0.7*
Zinc	120	150	104			*0.95*	49.8			*0.83*
Misc. (mg/kg)										
Total Organic Carbon	NAV	NAV	3700			*250*	4700			*250*

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The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-7
Analytes Detected in Landfill M-2 Surface Water Samples

Analyte	Sample ID / Sample Date		M2-SW6 6/21/10				M2-SW6-Diss 6/21/10				M2-SW11 6/21/10				M2-SW11-Diss 6/21/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																		
cis-1,2-Dichloroethene	NAV	NAV	1.4	J		*0.35*	NT				1.6	J		*0.35*	NT			
Tetrachloroethene	45	NAV	0.79	J		*0.27*	NT				1.1	J		*0.27*	NT			
Trichloroethene	47	NAV	0.63	J		*0.28*	NT				0.73	J		*0.28*	NT			
SVOCs (ug/L)																		
Anthracene	0.035	NAV	0.1	J		*0.012*	NT				0.11			*0.012*	NT			
Benzo(a)anthracene	0.025	NAV	0.23			*0.012*	NT				0.22			*0.012*	NT			
1,2,4-Trichlorobenzene	30	NAV	0.56			*0.021*	NT				0.02	U		*0.02*	NT			
Pesticides (ug/L)	None detected																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	31.6	J		*6.5*	6.5	U		*6.5*	33	J		*6.5*	6.5	U		*6.5*
Barium	220	NAV	62.2			*4*	63			*4*	61.1			*4*	62.9			*4*
Calcium	NAV	NAV	30000			*31.8*	30600			*31.8*	29100			*31.8*	30000			*31.8*
Iron	NAV	NAV	1690			*20.4*	441			*20.4*	1740			*20.4*	399			*20.4*
Lead	5.4	24	6.36			*2.6*	7.86			*2.6*	6.2			*2.6*	10.1			*2.6*
Magnesium	NAV	NAV	4520			*32.5*	4620			*32.5*	4340			*32.5*	4510			*32.5*
Manganese	NAV	NAV	84.7			*1.7*	84.2			*1.7*	81.1			*1.7*	80.6			*1.7*
Nickel	41	22	8.8	J		*4.2*	8.79	J		*4.2*	9.27	J		*4.2*	8.64	J		*4.2*
Potassium	NAV	NAV	3410			*38.8*	3510			*38.8*	3270			*38.8*	3420			*38.8*
Sodium	NAV	NAV	50100			*13.9*	51600			*13.9*	49200			*13.9*	51700			*13.9*
Thallium	10	NAV	2.4	U		*2.4*	2.4	U		*2.4*	2.4	U		*2.4*	2.41	J		*2.4*
Zinc	104	81	68.1			*6.5*	37.5			*6.5*	44.7			*6.5*	46.3			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	93487			*105*	NT				90432			*105*	NT			

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ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
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MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness

Table D-8
Analytes Detected in Landfill M-2 Sediment Samples
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Analyte	Sample ID / Sample Date		M2-SD3 6/24/10				M2-SD4 6/24/10				M2-SD5 6/24/10				M2-SD6 6/24/10				M2-SD7 6/25/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																						
Acetone	NAV	NAV	0.026	J		*0.004*	0.0039	U		*0.0039*	0.0087	J		*0.004*	0.033	J		*0.0042*	0.015	J		*0.0039*
Methylene chloride	0.159	NAV	0.0033	J		*0.0019*	0.0026	J		*0.0018*	0.0019	U		*0.0019*	0.0033	J		*0.002*	0.0018	U		*0.0018*
2-Butanone	NAV	NAV	0.0041	U		*0.0041*	0.004	U		*0.004*	0.0041	U		*0.0041*	0.0043	U		*0.0043*	0.004	U		*0.004*
SVOCs (mg/kg)																						
Anthracene	0.22	0.085	0.027			*0.0027*	0.017	J		*0.0026*	0.016	J		*0.0027*	0.014	J		*0.0027*	0.025			*0.00052*
Benzo(a)anthracene	0.32	0.261	0.12			*0.002*	0.091			*0.0019*	0.086			*0.002*	0.075			*0.002*	0.12			*0.00052*
Benzo(a)pyrene	0.37	0.43	0.1			*0.002*	0.084			*0.0019*	0.078			*0.002*	0.066			*0.002*	0.12			*0.00052*
Benzo(b)fluoranthene	10.4	1.8	0.072	U		*0.072*	0.071	U		*0.071*	0.072	U		*0.072*	0.074	U		*0.074*	0.27	J		*0.014*
Benzo(g,h,i)perylene	0.17	0.17	0.09	U		*0.09*	0.087	U		*0.087*	0.09	U		*0.09*	0.092	U		*0.092*	0.17	J		*0.017*
Benzo(k)fluoranthene	0.24	0.24	0.1	U		*0.1*	0.1	U		*0.1*	0.1	U		*0.1*	0.11	U		*0.11*	0.14	J		*0.02*
Benzoic acid	NAV	NAV	0.44	U		*0.44*	0.43	U		*0.43*	0.44	U		*0.44*	0.45	U		*0.45*	0.7	J		*0.086*
bis(2-Ethylhexyl)phthalate	0.182	0.182	0.078	U		*0.078*	0.076	U		*0.076*	0.078	U		*0.078*	0.08	U		*0.08*	0.14	J		*0.015*
Butylbenzylphthalate	1.97	0.063	0.11	U		*0.11*	0.1	U		*0.1*	0.11	U		*0.11*	0.11	U		*0.11*	0.07	J		*0.021*
Chrysene	0.34	0.384	0.1	U		*0.1*	0.098	U		*0.098*	0.1	U		*0.1*	0.1	U		*0.1*	0.24	J		*0.02*
Dibenz(a,h)anthracene	0.06	0.063	0.064	U		*0.064*	0.062	U		*0.062*	0.064	U		*0.064*	0.065	U		*0.065*	0.1	J		*0.012*
Dimethylphthalate	NAV	NAV	0.59	J		*0.06*	0.56	J		*0.058*	0.49	J		*0.06*	0.55	J		*0.061*	0.57			*0.012*
Di-n-butylphthalate	1.114	0.058	0.17	U		*0.17*	0.17	U		*0.17*	0.17	U		*0.17*	0.18	U		*0.18*	0.06	J		*0.034*
Di-n-octylphthalate	NAV	NAV	0.025	U		*0.025*	0.025	U		*0.025*	0.025	U		*0.025*	0.026	U		*0.026*	0.073	J		*0.0049*
2,4-Dinitrophenol	0.00621	NAV	0.23	U		*0.23*	0.22	U		*0.22*	0.23	U		*0.23*	0.23	U		*0.23*	1.1			*0.044*
Fluoranthene	0.75	0.6	0.36	J		*0.045*	0.043	U		*0.043*	0.045	U		*0.045*	0.046	U		*0.046*	0.44			*0.0087*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.074	U		*0.074*	0.072	U		*0.072*	0.074	U		*0.074*	0.076	U		*0.076*	0.16	J		*0.014*
Pentachlorophenol	23	0.017	0.15	U		*0.15*	0.15	U		*0.15*	0.15	U		*0.15*	0.16	U		*0.16*	0.35	J		*0.03*
Phenanthrene	0.56	0.24	0.06	U		*0.06*	0.058	U		*0.058*	0.06	U		*0.06*	0.061	U		*0.061*	0.24	J		*0.012*
Pyrene	0.49	0.665	0.053	U		*0.053*	0.052	U		*0.052*	0.053	U		*0.053*	0.055	U		*0.055*	0.37	J		*0.01*
Pesticides (mg/kg)																						
alpha-Chlordane	0.007	0.007	0.00019	U		*0.00019*	0.00018	U		*0.00018*	0.00019	U		*0.00019*	0.00019	U		*0.00019*	0.00018	U		*0.00018*
4,4'-DDD	0.008	0.002	0.00023	U		*0.00023*	0.0015	JP		*0.00022*	0.00023	U		*0.00023*	0.0039	P		*0.00023*	0.00022	U		*0.00022*
4,4'-DDE	0.005	0.0022	0.00027	U		*0.00027*	0.00026	U		*0.00026*	0.00027	U		*0.00027*	0.0017	JP		*0.00027*	0.00026	U		*0.00026*
4,4'-DDT	0.008	0.001	0.00019	U		*0.00019*	0.00018	U		*0.00018*	0.00019	U		*0.00019*	0.00019	U		*0.00019*	0.00018	U		*0.00018*
PCBs (mg/kg)																						
Aroclor 1242	0.07	0.023	0.032			*0.0028*	0.03	P		*0.0027*	0.023	J		*0.0028*	0.12			*0.0029*	0.027			*0.0027*
Aroclor 1254	0.06	0.06	0.0062	U		*0.0062*	0.0061	U		*0.0061*	0.0062	U		*0.0062*	0.0064	U		*0.0064*	0.025			*0.0061*
Aroclor 1260	0.005	0.005	0.005	U		*0.005*	0.0048	U		*0.0048*	0.005	U		*0.005*	0.0051	U		*0.0051*	0.0048	U		*0.0048*

See Notes at end of Table

Table D-8
Analytes Detected in Landfill M-2 Sediment Samples
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Analyte	Sample ID / Sample Date		M2-SD3 6/24/10				M2-SD4 6/24/10				M2-SD5 6/24/10				M2-SD6 6/24/10				M2-SD7 6/25/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
Metals (mg/kg)																						
Aluminum	25500	18000	2840			*0.88*	4090			*0.74*	3310			*1.01*	3710			*0.9*	4050			*1.09*
Antimony	3	9.3	0.77	J		*0.59*	0.88	J		*0.49*	0.78	J		*0.67*	1.04	J		*0.6*	0.96	J		*0.72*
Arsenic	6	8.2	2.92			*0.35*	4.6			*0.29*	5.34			*0.4*	3.3			*0.36*	3.6			*0.43*
Barium	NAV	48	38.4			*0.42*	48.7			*0.35*	55			*0.48*	34.4			*0.43*	64.5			*0.52*
Beryllium	NAV	NAV	0.91			*0.06*	1.43			*0.05*	1.17			*0.07*	1.17			*0.06*	1.32			*0.08*
Cadmium	0.6	1.2	1.54			*0.06*	2.12			*0.05*	1.93			*0.07*	2.03			*0.06*	1.55			*0.08*
Calcium	NAV	NAV	937			*1.12*	372			*0.94*	428			*1.29*	710			*1.15*	1120			*1.38*
Chromium	26	81	31.8			*0.14*	48.5			*0.11*	42.5			*0.16*	42.4			*0.14*	43.3			*0.17*
Cobalt	50	10	4.6			*0.6*	6.19			*0.5*	6.92			*0.69*	10.7			*0.61*	4.98			*0.74*
Copper	16	34	2.43			*0.34*	1.85			*0.28*	3.4			*0.38*	22.5			*0.34*	0.89	J		*0.41*
Iron	NAV	NAV	20300			*1.4*	25800			*1.17*	24400			*1.6*	23800			*1.43*	22800			*1.72*
Lead	31	47	19.6			*0.41*	52.8			*0.34*	31.2			*0.47*	40.3			*0.42*	35.4			*0.5*
Magnesium	NAV	NAV	1100			*4.81*	1570			*4.04*	1140			*5.51*	1560			*4.93*	1550			*5.92*
Manganese	630	260	17.6			*0.2*	14.9			*0.17*	17.1			*0.23*	14.3			*0.2*	13.6			*0.25*
Mercury	0.2	0.15	0.067			*0.003*	0.081			*0.002*	0.149			*0.003*	0.21			*0.003*	0.11			*0.003*
Nickel	16	21	9.37			*0.48*	13.1			*0.41*	12.7			*0.55*	29.2			*0.5*	10.8			*0.59*
Potassium	NAV	NAV	2870			*3.68*	4160			*3.09*	3130			*4.21*	4310			*3.77*	4170			*4.52*
Selenium	NAV	1	3.4			*0.43*	3.79			*0.36*	3.78			*0.49*	3.57			*0.44*	3.4			*0.53*
Sodium	NAV	NAV	152			*2.65*	114			*2.22*	148			*3.03*	143			*2.71*	153			*3.26*
Thallium	NAV	NAV	0.28	U		*0.28*	0.24	U		*0.24*	0.32	U		*0.32*	0.29	U		*0.29*	0.35	U		*0.35*
Vanadium	NAV	57	16.4			*0.62*	19			*0.52*	21.4			*0.71*	18.4			*0.63*	19.4			*0.76*
Zinc	120	150	96			*0.74*	107			*0.62*	103			*0.84*	99.5			*0.75*	91.6			*0.9*
Misc. (mg/kg)																						
Total Organic Carbon	NAV	NAV	2400			*250*	1300			*250*	2000			*250*	2900			*250*	1400			*250*

See Notes at end of Table

Table D-8
Analytes Detected in Landfill M-2 Sediment Samples
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Analyte	Sample ID / Sample Date		M2-SD8 6/25/10				DUP-SD05 6/25/10				M2-SD9 6/25/10				M2-SD10 6/25/10				M2-SD11 6/25/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																						
Acetone	NAV	NAV	0.097			*0.0046*	0.021	J		*0.0052*	0.004	U		*0.004*	0.053			*0.0064*	0.0052	U		*0.0052*
Methylene chloride	0.159	NAV	0.0035	J		*0.0022*	0.0025	U		*0.0025*	0.0019	U		*0.0019*	0.005	J		*0.003*	0.0038	J		*0.0025*
2-Butanone	NAV	NAV	0.024	J		*0.0047*	0.0054	U		*0.0054*	0.0041	U		*0.0041*	0.017	J		*0.0066*	0.0054	U		*0.0054*
SVOCs (mg/kg)																						
Anthracene	0.22	0.085	0.00061	U		*0.00061*	0.011			*0.00068*	0.02			*0.00052*	0.0031	U		*0.0031*	0.018			*0.00053*
Benzo(a)anthracene	0.32	0.261	0.0031	J		*0.00061*	0.073			*0.00068*	0.1			*0.00052*	0.016	J		*0.0031*	0.12			*0.00053*
Benzo(a)pyrene	0.37	0.43	0.0031	J		*0.00061*	0.049			*0.00068*	0.091			*0.00052*	0.016	J		*0.0031*	0.11			*0.00053*
Benzo(b)fluoranthene	10.4	1.8	0.017	U		*0.017*	0.018	U		*0.018*	0.13	J		*0.014*	0.085	U		*0.085*	0.19	J		*0.014*
Benzo(g,h,i)perylene	0.17	0.17	0.021	U		*0.021*	0.023	U		*0.023*	0.066	J		*0.018*	0.11	U		*0.11*	0.095	J		*0.018*
Benzo(k)fluoranthene	0.24	0.24	0.024	U		*0.024*	0.027	U		*0.027*	0.021	U		*0.021*	0.12	U		*0.12*	0.07	J		*0.021*
Benzoic acid	NAV	NAV	0.1	U		*0.1*	0.11	U		*0.11*	0.087	U		*0.087*	0.51	U		*0.51*	0.088	U		*0.088*
bis(2-Ethylhexyl)phthalate	0.182	0.182	0.018	U		*0.018*	0.02	U		*0.02*	0.015	U		*0.015*	0.092	U		*0.092*	0.016	U		*0.016*
Butylbenzylphthalate	1.97	0.063	0.025	U		*0.025*	0.027	U		*0.027*	0.021	U		*0.021*	0.12	U		*0.12*	0.021	U		*0.021*
Chrysene	0.34	0.384	0.023	U		*0.023*	0.026	U		*0.026*	0.12	J		*0.02*	0.12	U		*0.12*	0.17	J		*0.02*
Dibenz(a,h)anthracene	0.06	0.063	0.015	U		*0.015*	0.016	U		*0.016*	0.013	U		*0.013*	0.075	U		*0.075*	0.013	U		*0.013*
Dimethylphthalate	NAV	NAV	0.65			*0.014*	0.65			*0.015*	0.61			*0.012*	0.72	J		*0.07*	0.58			*0.012*
Di-n-butylphthalate	1.114	0.058	0.04	U		*0.04*	0.044	U		*0.044*	0.034	U		*0.034*	0.2	U		*0.2*	0.035	U		*0.035*
Di-n-octylphthalate	NAV	NAV	0.0058	U		*0.0058*	0.0064	U		*0.0064*	0.005	U		*0.005*	0.03	U		*0.03*	0.005	U		*0.005*
2,4-Dinitrophenol	0.00621	NAV	0.052	U		*0.052*	0.057	U		*0.057*	0.044	U		*0.044*	0.26	U		*0.26*	0.045	U		*0.045*
Fluoranthene	0.75	0.6	0.01	U		*0.01*	0.12	J		*0.011*	0.24	J		*0.0088*	0.052	U		*0.052*	0.38	J		*0.0089*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.017	U		*0.017*	0.019	U		*0.019*	0.067	J		*0.015*	0.087	U		*0.087*	0.098	J		*0.015*
Pentachlorophenol	23	0.017	0.035	U		*0.035*	0.039	U		*0.039*	0.03	U		*0.03*	0.18	U		*0.18*	0.03	U		*0.03*
Phenanthrene	0.56	0.24	0.014	U		*0.014*	0.015	U		*0.015*	0.083	J		*0.012*	0.07	U		*0.07*	0.18	J		*0.012*
Pyrene	0.49	0.665	0.012	U		*0.012*	0.11	J		*0.014*	0.18	J		*0.01*	0.062	U		*0.062*	0.27	J		*0.011*
Pesticides (mg/kg)																						
alpha-Chlordane	0.007	0.007	0.00021	U		*0.00021*	0.00024	U		*0.00024*	0.00019	U		*0.00019*	0.00022	U		*0.00022*	0.00019	U		*0.00019*
4,4'-DDD	0.008	0.002	0.00026	U		*0.00026*	0.00029	U		*0.00029*	0.0036			*0.00023*	0.00027	U		*0.00027*	0.00023	U		*0.00023*
4,4'-DDE	0.005	0.0022	0.00031	U		*0.00031*	0.00034	U		*0.00034*	0.0015	J		*0.00027*	0.00031	U		*0.00031*	0.00027	U		*0.00027*
4,4'-DDT	0.008	0.001	0.00021	U		*0.00021*	0.00024	U		*0.00024*	0.0018	J		*0.00019*	0.00022	U		*0.00022*	0.00019	U		*0.00019*
PCBs (mg/kg)																						
Aroclor 1242	0.07	0.023	0.0032	U		*0.0032*	0.0036	U		*0.0036*	0.018	J		*0.0028*	0.0033	U		*0.0033*	0.0028	U		*0.0028*
Aroclor 1254	0.06	0.06	0.0072	U		*0.0072*	0.0079	U		*0.0079*	0.0062	U		*0.0062*	0.0073	U		*0.0073*	0.027			*0.0062*
Aroclor 1260	0.005	0.005	0.01	J		*0.0057*	0.04			*0.0063*	0.005	U		*0.005*	0.0058	U		*0.0058*	0.005	U		*0.005*

See Notes at end of Table

Table D-8
Analytes Detected in Landfill M-2 Sediment Samples
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Analyte	Sample ID / Sample Date		M2-SD8 6/25/10				DUP-SD05 6/25/10				M2-SD9 6/25/10				M2-SD10 6/25/10				M2-SD11 6/25/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
Metals (mg/kg)																						
Aluminum	25500	18000	5660			*1.01*	10400			*1.04*	3570			*0.72*	6570			*1.02*	3980			*0.66*
Antimony	3	9.3	0.96	J		*0.68*	1.41	J		*0.69*	0.74	J		*0.48*	0.68	U		*0.68*	0.7	J		*0.44*
Arsenic	6	8.2	6			*0.4*	5.65			*0.41*	3.93			*0.28*	4.55			*0.4*	3.35			*0.26*
Barium	NAV	48	78.3			*0.48*	117			*0.49*	45.3			*0.34*	92			*0.49*	33.6			*0.31*
Beryllium	NAV	NAV	1.41			*0.07*	2.12			*0.07*	1.18			*0.05*	1.6			*0.07*	1.2			*0.05*
Cadmium	0.6	1.2	2.16			*0.07*	2.76			*0.07*	1.73			*0.05*	2.21			*0.07*	1.54			*0.05*
Calcium	NAV	NAV	1880			*1.29*	2490			*1.32*	1110			*0.91*	3090			*1.3*	670			*0.84*
Chromium	26	81	67.7			*0.16*	125			*0.16*	37.2			*0.11*	65.5			*0.16*	43.2			*0.1*
Cobalt	50	10	6.44			*0.69*	3.74			*0.71*	5.06			*0.49*	5.32			*0.69*	4.37			*0.45*
Copper	16	34	0.39	U		*0.39*	0.4	U		*0.4*	1.94			*0.27*	2.16			*0.39*	0.25	U		*0.25*
Iron	NAV	NAV	21800			*1.6*	35500			*1.65*	24600			*1.14*	20800			*1.62*	21700			*1.05*
Lead	31	47	6.66			*0.47*	6.95			*0.48*	15.4			*0.33*	9.76			*0.48*	23.5			*0.31*
Magnesium	NAV	NAV	1810			*5.52*	3940			*5.67*	1440			*3.91*	1460			*5.58*	1600			*3.6*
Manganese	630	260	45.5			*0.23*	54.2			*0.24*	29.5			*0.16*	38.4			*0.23*	9.74			*0.15*
Mercury	0.2	0.15	0.128			*0.003*	0.122			*0.003*	0.064			*0.002*	0.199			*0.003*	0.056			*0.003*
Nickel	16	21	15.9			*0.55*	11.4			*0.57*	8.98			*0.39*	15.4			*0.56*	8.73			*0.36*
Potassium	NAV	NAV	4060			*4.22*	9050			*4.33*	3960			*2.99*	2320			*4.27*	4420			*2.75*
Selenium	NAV	1	4.55			*0.49*	6.24			*0.51*	3.85			*0.35*	4.57			*0.5*	3.18			*0.32*
Sodium	NAV	NAV	85.8	J		*3.04*	244			*3.12*	109			*2.15*	147			*3.07*	105			*1.98*
Thallium	NAV	NAV	0.33	U		*0.33*	0.39	J		*0.33*	0.28	J		*0.23*	0.33	U		*0.33*	0.29	J		*0.21*
Vanadium	NAV	57	32.3			*0.71*	48.3			*0.73*	24.7			*0.5*	40.4			*0.72*	16.7			*0.46*
Zinc	120	150	73.2			*0.84*	72.6			*0.87*	83.4			*0.6*	67.1			*0.85*	68.7			*0.55*
Misc. (mg/kg)																						
Total Organic Carbon	NAV	NAV	6500			*250*	2400			*250*	1100			*250*	4100			*250*	1800			*250*

See Notes at end of Table

Table D-8
Analytes Detected in Landfill M-2 Sediment Samples
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Analyte	Sample ID / Sample Date		M2-SD12 6/25/10				M2-SD13 6/25/10				M2-SD14 6/24/10			
	ESC													
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)														
Acetone	NAV	NAV	0.18			*0.0079*	0.0088	J		*0.004*	0.0041	U		*0.0041*
Methylene chloride	0.159	NAV	0.0099	J		*0.0037*	0.0019	U		*0.0019*	0.0023	J		*0.0019*
2-Butanone	NAV	NAV	0.055	J		*0.0081*	0.0041	U		*0.0041*	0.0042	U		*0.0042*
SVOCs (mg/kg)														
Anthracene	0.22	0.085	0.0011	U		*0.0011*	0.057			*0.0026*	0.043			*0.0027*
Benzo(a)anthracene	0.32	0.261	0.007	J		*0.0011*	0.29			*0.0026*	0.19			*0.002*
Benzo(a)pyrene	0.37	0.43	0.0053	J		*0.0011*	0.27			*0.0026*	0.2			*0.002*
Benzo(b)fluoranthene	10.4	1.8	0.029	U		*0.029*	0.39	J		*0.072*	0.073	U		*0.073*
Benzo(g,h,i)perylene	0.17	0.17	0.035	U		*0.035*	0.089	U		*0.089*	0.091	U		*0.091*
Benzo(k)fluoranthene	0.24	0.24	0.041	U		*0.041*	0.1	U		*0.1*	0.11	U		*0.11*
Benzoic acid	NAV	NAV	0.17	U		*0.17*	0.43	U		*0.43*	0.44	U		*0.44*
bis(2-Ethylhexyl)phthalate	0.182	0.182	0.031	U		*0.031*	0.28	J		*0.077*	0.079	U		*0.079*
Butylbenzylphthalate	1.97	0.063	0.042	U		*0.042*	0.1	U		*0.1*	0.11	U		*0.11*
Chrysene	0.34	0.384	0.04	U		*0.04*	0.37	J		*0.099*	0.1	U		*0.1*
Dibenz(a,h)anthracene	0.06	0.063	0.025	U		*0.025*	0.063	U		*0.063*	0.065	U		*0.065*
Dimethylphthalate	NAV	NAV	1.1			*0.024*	0.58	J		*0.059*	0.36	J		*0.061*
Di-n-butylphthalate	1.114	0.058	0.069	U		*0.069*	0.17	U		*0.17*	0.18	U		*0.18*
Di-n-octylphthalate	NAV	NAV	0.01	U		*0.01*	0.025	U		*0.025*	0.026	U		*0.026*
2,4-Dinitrophenol	0.00621	NAV	0.089	U		*0.089*	0.22	U		*0.22*	0.23	U		*0.23*
Fluoranthene	0.75	0.6	0.018	U		*0.018*	0.92	J		*0.044*	0.42	J		*0.045*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.029	U		*0.029*	0.073	U		*0.073*	0.075	U		*0.075*
Pentachlorophenol	23	0.017	0.06	U		*0.06*	0.15	U		*0.15*	0.15	U		*0.15*
Phenanthrene	0.56	0.24	0.024	U		*0.024*	0.059	U		*0.059*	0.061	U		*0.061*
Pyrene	0.49	0.665	0.021	U		*0.021*	0.71	J		*0.052*	0.33	J		*0.054*
Pesticides (mg/kg)														
alpha-Chlordane	0.007	0.007	0.00037	U		*0.00037*	0.0012	JP		*0.00018*	0.00019	U		*0.00019*
4,4'-DDD	0.008	0.002	0.00045	U		*0.00045*	0.0017	JP		*0.00022*	0.00023	U		*0.00023*
4,4'-DDE	0.005	0.0022	0.00052	U		*0.00052*	0.0012	JP		*0.00026*	0.00027	U		*0.00027*
4,4'-DDT	0.008	0.001	0.00037	U		*0.00037*	0.00018	U		*0.00018*	0.00019	U		*0.00019*
PCBs (mg/kg)														
Aroclor 1242	0.07	0.023	0.0055	U		*0.0055*	0.0028	U		*0.0028*	0.0028	U		*0.0028*
Aroclor 1254	0.06	0.06	0.012	U		*0.012*	0.064			*0.0061*	0.0063	U		*0.0063*
Aroclor 1260	0.005	0.005	0.0098	U		*0.0098*	0.0049	U		*0.0049*	0.005	U		*0.005*

See Notes at end of Table

Table D-8
Analytes Detected in Landfill M-2 Sediment Samples
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Analyte	Sample ID / Sample Date		M2-SD12 6/25/10				M2-SD13 6/25/10				M2-SD14 6/24/10			
	ESC													
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
Metals (mg/kg)														
Aluminum	25500	18000	12800			*2.12*	3730			*0.9*	3630			*0.98*
Antimony	3	9.3	1.41	U		*1.41*	0.75	J		*0.6*	0.83	J		*0.65*
Arsenic	6	8.2	8.09			*0.83*	3.83			*0.35*	3.49			*0.38*
Barium	NAV	48	356			*1.01*	41			*0.43*	38.1			*0.46*
Beryllium	NAV	NAV	2.35			*0.15*	1.18			*0.06*	1.14			*0.07*
Cadmium	0.6	1.2	2.09			*0.15*	1.59			*0.06*	1.44			*0.07*
Calcium	NAV	NAV	3730			*2.7*	795			*1.14*	1230			*1.24*
Chromium	26	81	111			*0.33*	37.7			*0.14*	42			*0.15*
Cobalt	50	10	2.72	J		*1.44*	5.58			*0.61*	5.28			*0.66*
Copper	16	34	0.81	U		*0.81*	1.43			*0.34*	0.37	U		*0.37*
Iron	NAV	NAV	33500			*3.36*	21700			*1.42*	22200			*1.55*
Lead	31	47	7.36			*0.98*	24			*0.42*	19.7			*0.45*
Magnesium	NAV	NAV	3300			*11.6*	1250			*4.89*	1590			*5.32*
Manganese	630	260	18			*0.48*	24.5			*0.2*	26.6			*0.22*
Mercury	0.2	0.15	0.041			*0.005*	0.076			*0.002*	0.045			*0.002*
Nickel	16	21	14.4			*1.16*	10.5			*0.49*	8.85			*0.53*
Potassium	NAV	NAV	5820			*8.83*	3100			*3.73*	4170			*4.07*
Selenium	NAV	1	6.6			*1.03*	3.34			*0.44*	3.6			*0.48*
Sodium	NAV	NAV	894			*6.36*	165			*2.69*	216			*2.93*
Thallium	NAV	NAV	0.68	U		*0.68*	0.29	U		*0.29*	0.31	U		*0.31*
Vanadium	NAV	57	42.9			*1.49*	18.4			*0.63*	18.2			*0.69*
Zinc	120	150	71.2			*1.77*	82.1			*0.75*	83.9			*0.81*
Misc. (mg/kg)														
Total Organic Carbon	NAV	NAV	5800			*250*	1800			*250*	2000			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
B = The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-9
Analytes Detected in Landfill M-3 Surface Water Samples

Analyte	Sample ID / Sample Date		M3-SW3 6/21/10				M3-SW3-Diss 6/21/10				M3-SW6 6/21/10				M3-SW6-Diss 6/21/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																		
SVOCs (ug/L)	None detected																	
Pesticides (ug/L)	None detected																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	31.9	J		*6.5*	15.6	J		*6.5*	49.4	J		*6.5*	6.5	U		*6.5*
Arsenic	150	36	6.03	J		*4.2*	4.2	U		*4.2*	5.01	J		*4.2*	4.2	U		*4.2*
Barium	220	NAV	72.8			*4*	74.7			*4*	56.3			*4*	55.1			*4*
Calcium	NAV	NAV	56200			*31.8*	59600			*31.8*	41900			*31.8*	43100			*31.8*
Iron	NAV	NAV	1960			*20.4*	63.8			*20.4*	2370			*20.4*	140			*20.4*
Lead	5.4	24	8.11			*2.6*	9.15			*2.6*	9.96			*2.6*	9.54			*2.6*
Magnesium	NAV	NAV	90300			*32.5*	100000			*32.5*	38300			*32.5*	39700			*32.5*
Manganese	NAV	NAV	178			*1.7*	181			*1.7*	134			*1.7*	134			*1.7*
Nickel	100	22	7.43	J		*4.2*	6.62	J		*4.2*	7.34	J		*4.2*	5.66	J		*4.2*
Potassium	NAV	NAV	32100			*38.8*	35200			*38.8*	16100			*38.8*	16600			*38.8*
Sodium	NAV	NAV	727000			*13.9*	814000			*13.9*	328000			*13.9*	339000			*13.9*
Thallium	10	NAV	8.66	J		*2.4*	7.53	J		*2.4*	7.89	J		*2.4*	5.6	J		*2.4*
Zinc	257	81	52.7			*6.5*	36.3			*6.5*	44.3			*6.5*	44.4			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	512017			*105*	NT				262570			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
ESC = Ecological Screening Criteria (see Section 3.3)
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness

Table D-10
Analytes Detected in Landfill M-3 Sediment Samples
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Analyte	Sample ID / Sample Date		M3-SD1 6/18/10				M3-SD2 6/18/10				M3-SD3 6/18/10				M3-SD4 6/18/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																		
Acetone	NAV	NAV	0.077	J		*0.01*	0.079	J		*0.014*	0.048	J		*0.0084*	0.013	J		*0.0044*
Chlorobenzene	0.291	NAV	0.0017	U		*0.0017*	0.0023	U		*0.0023*	0.0014	U		*0.0014*	0.00072	U		*0.00072*
1,2-Dichlorobenzene	0.294	0.013	0.0021	U		*0.0021*	0.0029	U		*0.0029*	0.0017	U		*0.0017*	0.00089	U		*0.00089*
Methylene chloride	0.159	NAV	0.029	B		*0.0047*	0.032	B		*0.0066*	0.025	B		*0.004*	0.017	B		*0.002*
Styrene	0.254	NAV	0.0015	U		*0.0015*	0.0053	J		*0.0021*	0.0013	U		*0.0013*	0.00065	U		*0.00065*
2-Butanone	NAV	NAV	0.032	J		*0.01*	0.031	J		*0.014*	0.015	J		*0.0087*	0.0045	U		*0.0045*
Carbon disulfide	NAV	NAV	0.0035	U		*0.0035*	0.0055	J		*0.0049*	0.003	U		*0.003*	0.0015	U		*0.0015*
SVOCs (mg/kg)																		
Anthracene	0.22	0.085	0.0095			*0.00095*	0.0083	J		*0.0011*	0.0071			*0.00085*	0.01			*0.00055*
Benzo(a)anthracene	0.32	0.261	0.042			*0.00071*	0.052			*0.00083*	0.048			*0.00064*	0.063			*0.00041*
Benzo(a)pyrene	0.37	0.43	0.059			*0.00071*	0.079			*0.00083*	0.068			*0.00064*	0.078			*0.00041*
Benzo(b)fluoranthene	10.4	1.8	0.026	U		*0.026*	0.03	U		*0.03*	0.096	J		*0.023*	0.16	J		*0.015*
Benzo(g,h,i)perylene	0.17	0.17	0.032	U		*0.032*	0.037	U		*0.037*	0.029	U		*0.029*	0.087	J		*0.018*
Benzo(k)fluoranthene	0.24	0.24	0.037	U		*0.037*	0.044	U		*0.044*	0.033	U		*0.033*	0.071	J		*0.021*
Benzoic acid	NAV	NAV	0.92	U		*0.92*	1.1	U		*1.1*	0.82	U		*0.82*	0.53	U		*0.53*
bis(2-Ethylhexyl)phthalate	0.182	0.18216	0.028	U		*0.028*	0.033	U		*0.033*	0.025	U		*0.025*	0.06	J		*0.016*
Chrysene	0.34	0.384	0.036	U		*0.036*	0.042	U		*0.042*	0.032	U		*0.032*	0.12	J		*0.021*
Dimethylphthalate	NAV	NAV	0.7	J		*0.021*	0.81	J		*0.025*	0.58	J		*0.019*	0.44	J		*0.012*
2,4-Dinitrophenol	0.00621	NAV	0.08	U		*0.08*	0.094	U		*0.094*	0.072	U		*0.072*	0.046	U		*0.046*
Fluoranthene	0.75	0.6	0.016	U		*0.016*	0.019	U		*0.019*	0.14	J		*0.014*	0.27	J		*0.0091*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.026	U		*0.026*	0.031	U		*0.031*	0.024	U		*0.024*	0.07	J		*0.015*
Phenanthrene	0.56	0.24	0.021	U		*0.021*	0.025	U		*0.025*	0.019	U		*0.019*	0.12	J		*0.012*
Pyrene	0.49	0.665	0.019	U		*0.019*	0.022	U		*0.022*	0.11	J		*0.017*	0.21	J		*0.011*
Pesticides (mg/kg)																		
4,4'-DDD	0.008	0.002	0.0004	U		*0.0004*	0.00047	U		*0.00047*	0.00037	U		*0.00037*	0.00023	U		*0.00023*
4,4'-DDE	0.005	0.0022	0.00048	U		*0.00048*	0.00055	U		*0.00055*	0.00043	U		*0.00043*	0.00027	U		*0.00027*
4,4'-DDT	0.008	0.001	0.00033	U		*0.00033*	0.00039	U		*0.00039*	0.0003	U		*0.0003*	0.00019	U		*0.00019*
PCBs (mg/kg)	None detected																	

See Notes at end of Table

Table D-10
Analytes Detected in Landfill M-3 Sediment Samples
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Analyte	Sample ID / Sample Date		M3-SD1 6/18/10				M3-SD2 6/18/10				M3-SD3 6/18/10				M3-SD4 6/18/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
Metals (mg/kg)																		
Aluminum	25500	18000	9960			*1.84*	9130			*1.75*	10900			*1.63*	5370			*0.93*
Antimony	3	9.3	2.94	J		*1.23*	1.92	J		*1.17*	2.6	J		*1.08*	1.69	J		*0.62*
Arsenic	6	8.2	18.8			*0.72*	18			*0.69*	18.3			*0.64*	20.2			*0.37*
Barium	NAV	48	58.2			*0.88*	55.6			*0.83*	55.4			*0.77*	50.3			*0.44*
Beryllium	NAV	NAV	1.74			*0.13*	1.8			*0.13*	2.04			*0.12*	1.52			*0.07*
Cadmium	0.6	1.2	2.6			*0.13*	4.4			*0.13*	4.78			*0.12*	2.79			*0.07*
Calcium	NAV	NAV	2580			*2.35*	3620			*2.23*	2990			*2.07*	1590			*1.19*
Chromium	26	81	96.5			*0.29*	86.5			*0.27*	106			*0.25*	60.3			*0.14*
Cobalt	50	10	11.6			*1.25*	12.5			*1.19*	11.4			*1.1*	4.38			*0.63*
Copper	16	34	48.9			*0.7*	25.2			*0.67*	23.2			*0.62*	0.35	U		*0.35*
Iron	NAV	NAV	49800			*2.92*	64000			*2.78*	72900			*2.58*	60400			*1.48*
Lead	31	47	154			*0.86*	90.8			*0.81*	92.5			*0.76*	40.6			*0.43*
Magnesium	NAV	NAV	4330			*10*	4400			*9.56*	5120			*8.87*	2470			*5.08*
Manganese	630	260	53			*0.42*	82			*0.4*	94.5			*0.37*	37.3			*0.21*
Mercury	0.2	0.15	0.295			*0.005*	0.266			*0.005*	0.187			*0.004*	0.057			*0.003*
Nickel	16	21	24			*1.01*	30			*0.96*	29.8			*0.89*	11.1			*0.51*
Potassium	NAV	NAV	6750			*7.68*	5940			*7.3*	7150			*6.78*	6040			*3.88*
Selenium	NAV	1	7.6			*0.9*	8.01			*0.86*	8.85			*0.79*	7.11			*0.45*
Silver	1	1	2.14			*0.33*	1.65			*0.31*	1.14			*0.29*	0.23	J		*0.17*
Sodium	NAV	NAV	2890			*5.53*	3470			*5.26*	3230			*4.88*	807			*2.8*
Thallium	NAV	NAV	0.77	J		*0.59*	1	J		*0.56*	1.44	J		*0.52*	0.55	J		*0.3*
Vanadium	NAV	57	72.7			*1.29*	74.9			*1.23*	90.2			*1.14*	49.5			*0.65*
Zinc	120	150	233			*1.54*	337			*1.46*	352			*1.36*	149			*0.78*
Misc. (mg/kg)																		
Total Organic Carbon	NAV	NAV	14000			*250*	13000			*250*	15000			*250*	4900			*250*

See Notes at end of Table

Table D-10
Analytes Detected in Landfill M-3 Sediment Samples
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Analyte	Sample ID / Sample Date		M3-SD5 6/18/10				M3-SD6 6/18/10				M3-SD7 6/18/10				M3-SD8 6/21/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																		
Acetone	NAV	NAV	0.009	J		*0.0045*	0.022	J		*0.0059*	0.041	J		*0.0073*	0.043	J		*0.0075*
Chlorobenzene	0.291	NAV	0.00074	U		*0.00074*	0.00098	U		*0.00098*	0.016			*0.0012*	0.0012	U		*0.0012*
1,2-Dichlorobenzene	0.294	0.013	0.00092	U		*0.00092*	0.0012	U		*0.0012*	0.0053	J		*0.0015*	0.0015	U		*0.0015*
Methylene chloride	0.159	NAV	0.015	B		*0.0021*	0.02	B		*0.0028*	0.026	B		*0.0034*	0.0035	U		*0.0035*
Styrene	0.254	NAV	0.00067	U		*0.00067*	0.00088	U		*0.00088*	0.0011	U		*0.0011*	0.0011	U		*0.0011*
2-Butanone	NAV	NAV	0.0046	U		*0.0046*	0.0099	J		*0.0061*	0.016	J		*0.0075*	0.0077	U		*0.0077*
Carbon disulfide	NAV	NAV	0.0016	U		*0.0016*	0.0021	U		*0.0021*	0.0026	U		*0.0026*	0.0026	U		*0.0026*
SVOCs (mg/kg)																		
Anthracene	0.22	0.085	0.0099			*0.0006*	0.0044	J		*0.00059*	0.008			*0.0008*	0.0063			*0.00075*
Benzo(a)anthracene	0.32	0.261	0.07			*0.00045*	0.031			*0.00044*	0.037			*0.0006*	0.047			*0.00056*
Benzo(a)pyrene	0.37	0.43	0.09			*0.00045*	0.061			*0.00044*	0.079			*0.0006*	0.056			*0.00056*
Benzo(b)fluoranthene	10.4	1.8	0.12	J		*0.016*	0.016	U		*0.016*	0.022	U		*0.022*	0.083	J		*0.02*
Benzo(g,h,i)perylene	0.17	0.17	0.074	J		*0.02*	0.02	U		*0.02*	0.027	U		*0.027*	0.025	U		*0.025*
Benzo(k)fluoranthene	0.24	0.24	0.023	U		*0.023*	0.023	U		*0.023*	0.031	U		*0.031*	0.03	U		*0.03*
Benzoic acid	NAV	NAV	0.58	U		*0.58*	0.57	U		*0.57*	0.77	U		*0.77*	1.1	J		*0.73*
bis(2-Ethylhexyl)phthalate	0.182	0.18216	0.072	J		*0.018*	0.017	U		*0.017*	0.024	U		*0.024*	0.022	U		*0.022*
Chrysene	0.34	0.384	0.099	J		*0.022*	0.022	U		*0.022*	0.03	U		*0.03*	0.028	U		*0.028*
Dimethylphthalate	NAV	NAV	0.48	J		*0.013*	0.35	J		*0.013*	0.57	J		*0.018*	0.65			*0.017*
2,4-Dinitrophenol	0.00621	NAV	0.56			*0.05*	0.05	U		*0.05*	0.068	U		*0.068*	0.064	U		*0.064*
Fluoranthene	0.75	0.6	0.18	J		*0.01*	0.084	J		*0.0098*	0.11	J		*0.013*	0.11	J		*0.013*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.071	J		*0.017*	0.016	U		*0.016*	0.022	U		*0.022*	0.021	U		*0.021*
Phenanthrene	0.56	0.24	0.064	J		*0.013*	0.013	U		*0.013*	0.018	U		*0.018*	0.017	U		*0.017*
Pyrene	0.49	0.665	0.15	J		*0.012*	0.064	J		*0.012*	0.084	J		*0.016*	0.091	J		*0.015*
Pesticides (mg/kg)																		
4,4'-DDD	0.008	0.002	0.00025	U		*0.00025*	0.00025	U		*0.00025*	0.00034	U		*0.00034*	0.00033	U		*0.00033*
4,4'-DDE	0.005	0.0022	0.0003	U		*0.0003*	0.00029	U		*0.00029*	0.0004	U		*0.0004*	0.00038	U		*0.00038*
4,4'-DDT	0.008	0.001	0.00021	U		*0.00021*	0.00021	U		*0.00021*	0.00028	U		*0.00028*	0.00027	U		*0.00027*
PCBs (mg/kg)	None detected																	

See Notes at end of Table

Table D-10
Analytes Detected in Landfill M-3 Sediment Samples
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Analyte	Sample ID / Sample Date		M3-SD5 6/18/10				M3-SD6 6/18/10				M3-SD7 6/18/10				M3-SD8 6/21/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
Metals (mg/kg)																		
Aluminum	25500	18000	6510			*0.82*	5760			*0.7*	8380			*1.03*	5940			*1.6*
Antimony	3	9.3	1.43	J		*0.54*	2.6			*0.46*	2.22	J		*0.69*	2.44	J		*1.07*
Arsenic	6	8.2	18			*0.32*	17.4			*0.27*	15.4			*0.41*	22			*0.63*
Barium	NAV	48	44.9			*0.39*	66.5			*0.33*	135			*0.49*	164			*0.76*
Beryllium	NAV	NAV	1.57			*0.06*	1.41			*0.05*	1.98			*0.07*	1.47			*0.11*
Cadmium	0.6	1.2	3.7			*0.06*	3.25			*0.05*	2.75			*0.07*	2.51			*0.11*
Calcium	NAV	NAV	1670			*1.04*	1420			*0.89*	2160			*1.32*	2830			*2.04*
Chromium	26	81	67.1			*0.13*	59			*0.11*	85.3			*0.16*	66.1			*0.25*
Cobalt	50	10	6.08			*0.55*	5.66			*0.47*	8.78			*0.7*	6.04			*1.09*
Copper	16	34	3.23			*0.31*	0.82	J		*0.27*	4.42			*0.39*	12.4			*0.61*
Iron	NAV	NAV	60800			*1.29*	58300			*1.1*	52500			*1.64*	60200			*2.53*
Lead	31	47	46.1			*0.38*	35.6			*0.32*	93.8			*0.48*	104			*0.74*
Magnesium	NAV	NAV	2950			*4.45*	2600			*3.8*	3560			*5.64*	2120			*8.72*
Manganese	630	260	50.4			*0.18*	32.9			*0.16*	40.5			*0.23*	96.5			*0.36*
Mercury	0.2	0.15	0.051			*0.003*	0.183			*0.003*	0.149			*0.004*	0.141			*0.004*
Nickel	16	21	15.5			*0.45*	10.2			*0.38*	20.4			*0.57*	15.7			*0.88*
Potassium	NAV	NAV	5890			*3.4*	6100			*2.9*	8870			*4.31*	4300			*6.67*
Selenium	NAV	1	6.83			*0.4*	6.79			*0.34*	6.34			*0.51*	7.42			*0.78*
Silver	1	1	0.53			*0.15*	0.23	J		*0.12*	0.5	J		*0.18*	0.29	J		*0.29*
Sodium	NAV	NAV	1090			*2.45*	1020			*2.09*	784			*3.1*	999			*4.8*
Thallium	NAV	NAV	0.72	J		*0.26*	0.68	J		*0.22*	0.85	J		*0.33*	0.66	J		*0.51*
Vanadium	NAV	57	57.6			*0.57*	40.8			*0.49*	59.3			*0.73*	56.3			*1.12*
Zinc	120	150	180			*0.68*	127			*0.58*	180			*0.86*	281			*1.33*
Misc. (mg/kg)																		
Total Organic Carbon	NAV	NAV	2100			*250*	2900			*250*	5700			*250*	3000			*250*

See Notes at end of Table

Table D-10
Analytes Detected in Landfill M-3 Sediment Samples
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Analyte	Sample ID / Sample Date		M3-SD9 6/21/10				M3-SD10 6/21/10				DUP-SD04 6/21/10				M3-SD11 6/21/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																		
Acetone	NAV	NAV	0.02	J		*0.004*	0.004	U		*0.004*	0.0042	U		*0.0042*	0.004	U		*0.004*
Chlorobenzene	0.291	NAV	0.00067	U		*0.00067*	0.00066	U		*0.00066*	0.00069	U		*0.00069*	0.00067	U		*0.00067*
1,2-Dichlorobenzene	0.294	0.013	0.00083	U		*0.00083*	0.00082	U		*0.00082*	0.00086	U		*0.00086*	0.00083	U		*0.00083*
Methylene chloride	0.159	NAV	0.0027	J		*0.0019*	0.0025	J		*0.0019*	0.002	U		*0.002*	0.0019	U		*0.0019*
Styrene	0.254	NAV	0.0006	U		*0.0006*	0.0006	U		*0.0006*	0.00062	U		*0.00062*	0.0006	U		*0.0006*
2-Butanone	NAV	NAV	0.0041	U		*0.0041*	0.0041	U		*0.0041*	0.0043	U		*0.0043*	0.0042	U		*0.0042*
Carbon disulfide	NAV	NAV	0.0014	U		*0.0014*	0.0014	U		*0.0014*	0.0015	U		*0.0015*	0.0014	U		*0.0014*
SVOCs (mg/kg)																		
Anthracene	0.22	0.085	0.008			*0.00053*	0.0092			*0.00052*	0.023			*0.00054*	0.0066			*0.00053*
Benzo(a)anthracene	0.32	0.261	0.036			*0.0004*	0.042			*0.00039*	0.1			*0.0004*	0.043			*0.0004*
Benzo(a)pyrene	0.37	0.43	0.038			*0.0004*	0.046			*0.00039*	0.1			*0.0004*	0.051			*0.0004*
Benzo(b)fluoranthene	10.4	1.8	0.063	J		*0.015*	0.074	J		*0.014*	0.18	J		*0.015*	0.098	J		*0.014*
Benzo(g,h,i)perylene	0.17	0.17	0.018	U		*0.018*	0.018	U		*0.018*	0.076	J		*0.018*	0.018	U		*0.018*
Benzo(k)fluoranthene	0.24	0.24	0.021	U		*0.021*	0.021	U		*0.021*	0.021	U		*0.021*	0.021	U		*0.021*
Benzoic acid	NAV	NAV	0.51	U		*0.51*	0.2	U		*0.2*	0.52	U		*0.52*	0.51	U		*0.51*
bis(2-Ethylhexyl)phthalate	0.182	0.18216	5.5	D		*0.031*	0.015	U		*0.015*	0.016	U		*0.016*	0.016	U		*0.016*
Chrysene	0.34	0.384	0.055	J		*0.02*	0.059	J		*0.02*	0.15	J		*0.02*	0.081	J		*0.02*
Dimethylphthalate	NAV	NAV	0.41	J		*0.012*	0.5			*0.012*	0.45			*0.012*	0.48			*0.012*
2,4-Dinitrophenol	0.00621	NAV	0.045	U		*0.045*	0.044	U		*0.044*	0.046	U		*0.046*	0.045	U		*0.045*
Fluoranthene	0.75	0.6	0.11	J		*0.0089*	0.12	J		*0.0088*	0.31	J		*0.009*	0.15	J		*0.0089*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.015	U		*0.015*	0.015	U		*0.015*	0.062	J		*0.015*	0.015	U		*0.015*
Phenanthrene	0.56	0.24	0.012	U		*0.012*	0.063	J		*0.012*	0.17	J		*0.012*	0.061	J		*0.012*
Pyrene	0.49	0.665	0.09	J		*0.011*	0.1	J		*0.01*	0.26	J		*0.011*	0.12	J		*0.011*
Pesticides (mg/kg)																		
4,4'-DDD	0.008	0.002	0.002	JP		*0.00023*	0.0095			*0.00022*	0.00023	U		*0.00023*	0.00023	U		*0.00023*
4,4'-DDE	0.005	0.0022	0.0014	J		*0.00027*	0.0021	J		*0.00026*	0.00027	U		*0.00027*	0.00027	U		*0.00027*
4,4'-DDT	0.008	0.001	0.00019	U		*0.00019*	0.18			*0.0018*	0.00019	U		*0.00019*	0.00019	U		*0.00019*
PCBs (mg/kg)	None detected																	

See Notes at end of Table

Table D-10
Analytes Detected in Landfill M-3 Sediment Samples
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Analyte	Sample ID / Sample Date		M3-SD9 6/21/10				M3-SD10 6/21/10				DUP-SD04 6/21/10				M3-SD11 6/21/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
Metals (mg/kg)																		
Aluminum	25500	18000	3600			*1*	3790			*1.03*	4460			*0.89*	3420			*1.05*
Antimony	3	9.3	0.97	J		*0.67*	1.1	J		*0.69*	1.09	J		*0.59*	1.17	J		*0.7*
Arsenic	6	8.2	16.6			*0.39*	17.2			*0.4*	17.8			*0.35*	17.8			*0.41*
Barium	NAV	48	142			*0.48*	58.9			*0.49*	58.2			*0.42*	57.1			*0.5*
Beryllium	NAV	NAV	1.07			*0.07*	1.12			*0.07*	1.3			*0.06*	1.1			*0.07*
Cadmium	0.6	1.2	1.59			*0.07*	1.89			*0.07*	2.42			*0.06*	1.75			*0.07*
Calcium	NAV	NAV	2040			*1.27*	1710			*1.31*	1930			*1.13*	1620			*1.33*
Chromium	26	81	43.2			*0.15*	45.1			*0.16*	51.8			*0.14*	42.2			*0.16*
Cobalt	50	10	3.29			*0.68*	3.85			*0.7*	4.17			*0.6*	3.28			*0.71*
Copper	16	34	370			*0.38*	0.39	U		*0.39*	0.34	U		*0.34*	0.4	U		*0.4*
Iron	NAV	NAV	41900			*1.58*	48100			*1.63*	53800			*1.4*	49300			*1.66*
Lead	31	47	33.9			*0.46*	40			*0.48*	34.3			*0.41*	25.8			*0.49*
Magnesium	NAV	NAV	1270			*5.44*	1600			*5.62*	1790			*4.83*	1150			*5.7*
Manganese	630	260	35.3			*0.23*	46.3			*0.23*	46.7			*0.2*	31.8			*0.24*
Mercury	0.2	0.15	0.035			*0.002*	0.046			*0.002*	0.041			*0.001*	0.048			*0.002*
Nickel	16	21	7.83			*0.55*	8.94			*0.56*	9.76			*0.48*	8.14			*0.57*
Potassium	NAV	NAV	2980			*4.16*	3110			*4.29*	3510			*3.69*	3110			*4.36*
Selenium	NAV	1	5.07			*0.49*	6.1			*0.5*	6.13			*0.43*	6.13			*0.51*
Silver	1	1	0.18	U		*0.18*	0.18	U		*0.18*	0.16	U		*0.16*	0.19	U		*0.19*
Sodium	NAV	NAV	497			*2.99*	995			*3.09*	1000			*2.66*	459			*3.14*
Thallium	NAV	NAV	0.32	U		*0.32*	0.51	J		*0.33*	0.48	J		*0.28*	0.55	J		*0.34*
Vanadium	NAV	57	39.8			*0.7*	45.6			*0.72*	47.2			*0.62*	42.3			*0.73*
Zinc	120	150	113			*0.83*	127			*0.86*	127			*0.74*	127			*0.87*
Misc. (mg/kg)																		
Total Organic Carbon	NAV	NAV	2100			*250*	1700			*250*	1800			*250*	2100			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
B = The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
MRL = Method Reporting Limit
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-11
Analytes Detected in Landfill M-4 Surface Water Samples

Analyte	Sample ID / Sample Date		M4-SW4 6/21/10				M4-SW4-Diss 6/21/10			
	ESC									
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)										
cis-1,2-Dichloroethene	NAV	NAV	1.1	J		*0.35*	NT			
Tetrachloroethene	45	NAV	0.6	J		*0.27*	NT			
SVOCs (ug/L)										
Anthracene	0.035	NAV	0.1	J		*0.012*	NT			
Benzo(a)anthracene	0.025	NAV	0.23			*0.012*	NT			
Benzoic acid	NAV	NAV	22			*2*	NT			
1,2,4-Trichlorobenzene	30	NAV	0.54			*0.021*	NT			
Pesticides (ug/L)	None detected									
PCBs (ug/L)	None detected									
Metals (ug/L)										
Aluminum	NAV	NAV	68.2			*6.5*	6.5	U		*6.5*
Barium	220	NAV	63.3			*4*	57.2			*4*
Calcium	NAV	NAV	30700			*31.8*	28700			*31.8*
Iron	NAV	NAV	2610			*20.4*	507			*20.4*
Lead	5.4	24	11.2			*2.6*	5.92	J		*2.6*
Magnesium	NAV	NAV	5680			*32.5*	5280			*32.5*
Manganese	NAV	NAV	93.6			*1.7*	85.9			*1.7*
Nickel	44	22	8.85	J		*4.2*	7.84	J		*4.2*
Potassium	NAV	NAV	3890			*38.8*	3660			*38.8*
Sodium	NAV	NAV	59900			*13.9*	55900			*13.9*
Thallium	10	NAV	2.89	J		*2.4*	2.88	J		*2.4*
Zinc	114	81	54.1			*6.5*	38.9			*6.5*
Misc. (ug/L)										
Hardness	NAV	NAV	99928			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness.

Table D-12
Analytes Detected in Landfill M-4 Sediment Samples

Analyte	Sample ID / Sample Date		M4-SD1 6/22/10				M4-SD2 6/22/10				M4-SD3 6/22/10				M4-SD4 6/22/10					M4-SD5 6/22/10				M4-SD6 6/22/10			
	ESC																										
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	MRL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																											
Acetone	NAV	NAV	0.017	J		0.0038	0.01	J		0.0037	0.015	J		0.0038	0.014	J		0.004		0.0097	J		0.004	0.0039	U		0.0039
Methylene chloride	0.159	NAV	0.0019	J		0.0018	0.0024	J		0.0018	0.0021	J		0.0018	0.0019	U		0.0019		0.0019	U		0.0019	0.0018	U		0.0018
SVOCs (mg/kg)																											
Acenaphthene	0.016	0.016	0.012	U		0.012	0.012	U		0.012	0.059	U		0.059	0.12	J		0.012		0.012	U		0.012	0.061	U		0.061
Anthracene	0.22	0.085	0.049			0.001	0.012			0.00099	0.029			0.0025	0.15			0.0011		0.013			0.0011	0.03			0.0026
Benzo(a)anthracene	0.32	0.261	0.17			0.00075	0.046			0.00074	0.1			0.0019	0.31			0.0008		0.052			0.00079	0.11			0.0019
Benzo(a)pyrene	0.37	0.43	0.14			0.00075	0.053			0.00074	0.12			0.0019	0.27			0.0008		0.056			0.00079	0.13			0.0019
Benzo(b)fluoranthene	10.4	1.8	0.17	J		0.014	0.055	J		0.013	0.069	U		0.069	0.3	J		0.014		0.063	J		0.014	0.071	U		0.071
Benzo(g,h,i)perylene	0.17	0.17	0.085	J		0.017	0.017	U		0.017	0.085	U		0.085	0.15	J		0.018		0.018	U		0.018	0.087	U		0.087
Benzo(k)fluoranthene	0.24	0.24	0.075	J		0.02	0.019	U		0.019	0.099	U		0.099	0.13	J		0.021		0.021	U		0.021	0.1	U		0.1
bis(2-Ethylhexyl)phthalate	0.182	0.18216	0.015	U		0.015	0.057	J		0.015	0.074	U		0.074	0.016	U		0.016		0.016	U		0.016	0.076	U		0.076
Chrysene	0.34	0.384	0.15	J		0.019	0.019	U		0.019	0.095	U		0.095	0.3	J		0.02		0.02	U		0.02	0.098	U		0.098
Dimethylphthalate	NAV	NAV	0.57			0.011	0.51			0.011	0.76	J		0.057	0.53			0.012		1.1			0.012	0.79	J		0.058
Fluoranthene	0.75	0.6	0.32	J		0.0084	0.075	J		0.0083	0.042	U		0.042	0.7			0.0089		0.078	J		0.0088	0.043	U		0.043
Fluorene	0.19	0.019	0.016	U		0.016	0.016	U		0.016	0.08	U		0.08	0.097	J		0.017		0.017	U		0.017	0.082	U		0.082
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.074	J		0.014	0.014	U		0.014	0.07	U		0.07	0.14	J		0.015		0.015	U		0.015	0.072	U		0.072
Phenanthrene	0.56	0.24	0.17	J		0.011	0.011	U		0.011	0.057	U		0.057	0.62			0.012		0.012	U		0.012	0.058	U		0.058
Pyrene	0.49	0.665	0.3	J		0.01	0.087	J		0.0099	0.05	U		0.05	0.65			0.011		0.093	J		0.011	0.052	U		0.052
Pesticides (mg/kg)																											
4,4'-DDD	0.008	0.002	0.00021	U		0.00021	0.0025	JP		0.00021	0.0062	P		0.00021	0.002	J		0.00023		0.00022	U		0.00022	0.00022	U		0.00022
4,4'-DDE	0.005	0.0022	0.00025	U		0.00025	0.00025	U		0.00025	0.0022	J		0.00025	0.0012	J		0.00027		0.00026	U		0.00026	0.00026	U		0.00026
4,4'-DDT	0.008	0.001	0.00017	U		0.00017	0.00017	U		0.00017	0.00018	U		0.00018	0.0016	J		0.00019		0.00018	U		0.00018	0.00018	U		0.00018
PCBs (mg/kg)																											
Aroclor 1232	0.07	0.023	0.006	U		0.006	0.0059	U		0.0059	0.0061	U		0.0061	0.0064	U		0.0064		0.0063	U		0.0063	0.093			0.0062
Aroclor 1242	0.07	0.023	0.023	P		0.0026	0.055	P		0.0026	0.075	P		0.0027	0.0028	U		0.0028		0.0028	U		0.0028	0.0027	U		0.0027
Aroclor 1260	0.005	0.005	0.01	JP		0.0047	0.012	J		0.0046	0.036			0.0047	0.023	J		0.005		0.026			0.0049	0.0048	U		0.0048
Metals (mg/kg)																											
Aluminum	25500	18000	3670			1.05	2620			0.7	4460			0.91	2790			0.83		6560			1.07	4140			0.79
Antimony	3	9.3	1.06	J		0.7	0.6	J		0.47	1.02	J		0.61	0.95	J		0.55		2.56	J		0.72	0.65	J		0.53
Arsenic	6	8.2	3.92			0.41	2.44			0.28	3.86			0.36	4.13			0.32		10.2			0.42	5.22			0.31
Barium	NAV	48	18.6			0.5	14.9			0.33	31.6			0.44	17.3			0.39		45.3			0.51	37.7			0.38
Beryllium	NAV	NAV	1.14			0.08	0.76			0.05	1.16			0.07	0.72			0.06		1.34			0.08	1.5			0.06
Cadmium	0.6	1.2	1.17			0.08	1.02			0.05	1.26			0.07	0.93			0.06		1.45			0.08	1.49			0.06
Calcium	NAV	NAV	778			1.34	639			0.89	1620			1.16	1050			1.05		4240			1.37	884			1.01
Chromium	26	81	45.5			0.16	29			0.11	38.2			0.14	30.6			0.13		66.7			0.17	49.8			0.12
Cobalt	50	10	24.6			0.72	13.9			0.48	16.4			0.62	24.4			0.56		4.66			0.73	6.63			0.54
Copper	16	34	9.23			0.4	8.05			0.27	10.2			0.35	19.7			0.31		6.34			0.41	4.58			0.3
Iron	NAV	NAV	21000			1.67	13600			1.11	22600			1.45	12600			1.31		27700			1.7	29300			1.26
Lead	31	47	65.1			0.49	26.5			0.33	35.8			0.42	40.3			0.38		52.3			0.5	34			0.37
Magnesium	NAV	NAV	1870			5.75	1380			3.83	2210			4.99	1450			4.51		2550			5.86	2020			4.33
Manganese	630	260	17.9			0.24	17.5			0.16	37.3			0.21	20.1			0.19		47.1			0.24	24.4			0.18
Mercury	0.2	0.15	0.193			0.003	0.058			0.002	0.073			0.002	0.123			0.002		0.188			0.003	0.257			0.003
Nickel	16	21	14.6			0.58	13.6			0.38	16.2			0.5	9.29			0.45		11.2			0.59	14.3			0.43
Potassium	NAV	NAV	3820			4.39	2490			2.93	3020			3.81	2300			3.44		4700			4.48	4290			3.31
Selenium	NAV	1	2.47			0.51	1.85			0.34	2.6			0.45	1.63			0.4		3.67			0.52	3.48			0.39
Silver	1	1	0.25	J		0.19	0.2	J		0.13	0.25	J		0.16	0.37	J		0.15		0.67			0.19	0.19	J		0.14
Sodium	NAV	NAV	941			3.16	762			2.11	628			2.74	230			2.48		482			3.22	559			2.38
Thallium	NAV	NAV	0.38	J		0.34	0.24	J		0.23	0.32	J		0.29	0.35	J		0.27		0.35	U		0.35	0.43	J		0.26
Vanadium	NAV	57	22.8			0.74	16.5			0.49	24.5			0.64	17.3			0.58		35.3			0.75	20.6			0.56
Zinc	120	150	92.2			0.88	69.6			0.59	94.6			0.76	98.1			0.69		109			0.9	110			0.66
Misc. (mg/kg)																											
Total Organic Carbon	NAV	NAV	2100			250	900			250	1700			250	1800			250		4100			250	1500			250

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
B = The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
The concentration given is an approximate value.
P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-13
Analytes Detected in Landfill M-5 Surface Water Samples

Analyte	Sample ID / Sample Date		M5-SW4 6/18/10				M5-SW4-Diss 6/18/10			
	ESC									
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)										
cis-1,2-Dichloroethene	NAV	NAV	0.97	J		*0.35*	NT			
Tetrachloroethene	45	NAV	0.69	J		*0.27*	NT			
SVOCs (ug/L)										
Benzo(a)pyrene	0.014	NAV	0.53			*0.009*	NT			
3,3'-Dichlorobenzidine	4.5	NAV	0.4			*0.02*	NT			
Pesticides (ug/L)	None detected									
PCBs (ug/L)	None detected									
Metals (ug/L)										
Aluminum	NAV	NAV	70.8			*6.5*	6.5	U		*6.5*
Arsenic	150	36	5.38	J		*4.2*	4.2	U		*4.2*
Barium	220	NAV	61.9			*4*	64			*4*
Calcium	NAV	NAV	33400			*31.8*	35400			*31.8*
Iron	NAV	NAV	3000			*20.4*	1580			*20.4*
Lead	5.4	24	7.27			*2.6*	8.5			*2.6*
Magnesium	NAV	NAV	20100			*32.5*	23300			*32.5*
Manganese	NAV	NAV	108			*1.7*	113			*1.7*
Nickel	68	22	8.83	J		*4.2*	9.16	J		*4.2*
Potassium	NAV	NAV	8910			*38.8*	10200			*38.8*
Sodium	NAV	NAV	182000			*13.9*	211000			*13.9*
Thallium	10	NAV	4.49	J		*2.4*	4.44	J		*2.4*
Zinc	175	81	41			*6.5*	49.1			*6.5*
Misc. (ug/L)										
Hardness	NAV	NAV	166087			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness

Table D-14
Analytes Detected in Landfill M-5 Sediment Samples
Page 1 of 2

Analyte	Sample ID / Sample Date		M5-SD1 6/17/10				M5-SD2 6/18/10				M5-SD3 6/18/10				M5-SD4 6/18/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																		
Acetone	NAV	NAV	0.022	J		*0.0089*	0.0038	U		*0.0038*	0.0039	U		*0.0039*	0.0069	J		*0.0037*
Methylene chloride	0.159	NAV	0.0093	J		*0.0042*	0.004	J		*0.0018*	0.0096	B		*0.0019*	0.005	J		*0.0017*
Styrene	0.254	NAV	0.0013	U		*0.0013*	0.0028	J		*0.00057*	0.0032	J		*0.00059*	0.0019	J		*0.00055*
2-Butanone	NAV	NAV	0.0091	U		*0.0091*	0.004	U		*0.004*	0.0041	U		*0.0041*	0.0038	U		*0.0038*
Carbon disulfide	NAV	NAV	0.0031	U		*0.0031*	0.0014	U		*0.0014*	0.0014	U		*0.0014*	0.0013	U		*0.0013*
SVOCs (mg/kg)																		
Acenaphthylene	0.044	0.044	0.025	U		*0.025*	0.021	U		*0.021*	0.022	U		*0.022*	0.15	J		*0.021*
Anthracene	0.22	0.085	0.044			*0.0012*	0.074			*0.001*	0.15			*0.001*	0.2			*0.00099*
Benzo(a)anthracene	0.32	0.261	0.34			*0.00088*	0.16			*0.00077*	0.18			*0.00078*	0.26			*0.00074*
Benzo(a)pyrene	0.37	0.43	0.31			*0.00088*	0.14			*0.00077*	0.25			*0.00078*	0.2			*0.00074*
Benzo(b)fluoranthene	10.4	1.8	0.3	J		*0.032*	0.21	J		*0.028*	0.32	J		*0.028*	0.22	J		*0.027*
Benzo(g,h,i)perylene	0.17	0.17	0.15	J		*0.04*	0.11	J		*0.034*	0.17	J		*0.035*	0.13	J		*0.033*
Benzo(k)fluoranthene	0.24	0.24	0.13	J		*0.046*	0.04	U		*0.04*	0.041	U		*0.041*	0.039	U		*0.039*
Chrysene	0.34	0.384	0.29	J		*0.044*	0.19	J		*0.039*	0.29	J		*0.039*	0.34	J		*0.037*
Dimethylphthalate	NAV	NAV	0.92	J		*0.026*	0.28	J		*0.023*	0.28	J		*0.023*	0.32	J		*0.022*
Fluoranthene	0.75	0.6	0.59	J		*0.02*	0.34	J		*0.017*	0.67	J		*0.017*	0.49	J		*0.016*
Fluorene	0.19	0.019	0.037	U		*0.037*	0.032	U		*0.032*	0.033	U		*0.033*	0.27	J		*0.031*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.15	J		*0.033*	0.028	U		*0.028*	0.17	J		*0.029*	0.12	J		*0.027*
2-Methylnaphthalene	0.07	0.07	0.025	U		*0.025*	0.021	U		*0.021*	0.022	U		*0.022*	0.4	J		*0.021*
Naphthalene	0.16	0.16	0.034	U		*0.034*	0.029	U		*0.029*	0.03	U		*0.03*	0.26	J		*0.028*
Phenanthrene	0.56	0.24	0.12	J		*0.026*	0.19	J		*0.023*	0.36	J		*0.023*	0.96			*0.022*
Pyrene	0.49	0.665	0.46	J		*0.023*	0.32	J		*0.02*	0.58	J		*0.021*	0.7	J		*0.02*
Pesticides (mg/kg)																		
alpha-Chlordane	0.007	0.007	0.00041	U		*0.00041*	0.0011	JP		*0.00018*	0.0019	J		*0.00018*	0.0013	JP		*0.00017*
4,4'-DDD	0.008	0.002	0.0036	JP		*0.0005*	0.0048			*0.00022*	0.016			*0.00022*	0.00021	U		*0.00021*
4,4'-DDE	0.005	0.0022	0.00059	U		*0.00059*	0.003			*0.00026*	0.0072			*0.00026*	0.0044	P		*0.00025*
4,4'-DDT	0.008	0.001	0.00041	U		*0.00041*	0.0015	JP		*0.00018*	0.0021	JP		*0.00018*	0.0018	J		*0.00017*
PCBs (mg/kg)	None detected																	
Metals (mg/kg)																		
Aluminum	25500	18000	16600			*1.74*	2400			*0.91*	2550			*0.72*	2190			*0.71*
Antimony	3	9.3	1.92	J		*1.16*	0.64	J		*0.61*	1.13	J		*0.48*	0.59	J		*0.47*
Arsenic	6	8.2	11			*0.68*	3.92			*0.36*	2.74			*0.28*	2.65			*0.28*
Barium	NAV	48	27			*0.83*	17.6			*0.43*	12.5			*0.34*	11.3			*0.34*
Beryllium	NAV	NAV	3.14			*0.12*	0.96			*0.07*	0.88			*0.05*	0.69			*0.05*
Cadmium	0.6	1.2	6.65			*0.12*	0.72			*0.07*	1.16			*0.05*	1.01			*0.05*
Calcium	NAV	NAV	3550			*2.21*	599			*1.16*	747			*0.92*	1000			*0.9*
Chromium	26	81	119			*0.27*	25			*0.14*	29.2			*0.11*	28.3			*0.11*
Cobalt	50	10	8.17			*1.18*	4.44			*0.62*	9.55			*0.49*	13.3			*0.48*
Copper	16	34	0.66	U		*0.66*	3.96			*0.35*	15.3			*0.27*	9.62			*0.27*
Iron	NAV	NAV	88300			*2.75*	17800			*1.45*	10300			*1.14*	12700			*1.12*
Lead	31	47	15			*0.81*	27.7			*0.42*	41.6			*0.33*	27.3			*0.33*
Magnesium	NAV	NAV	9070			*9.48*	1110			*4.98*	1060			*3.92*	1010			*3.86*
Manganese	630	260	111			*0.39*	13.7			*0.21*	8.65			*0.16*	20.9			*0.16*
Mercury	0.2	0.15	0.006	U		*0.006*	0.111			*0.003*	0.085			*0.002*	0.098			*0.002*
Nickel	16	21	27.6			*0.95*	8.3			*0.5*	13.9			*0.39*	15.1			*0.39*
Potassium	NAV	NAV	10500			*7.24*	2030			*3.8*	2020			*3*	1560			*2.95*
Selenium	NAV	1	13.2			*0.85*	2.46			*0.45*	1.33			*0.35*	1.5			*0.35*
Silver	1	1	0.31	U		*0.31*	0.17	J		*0.16*	0.37	J		*0.13*	0.24	J		*0.13*
Sodium	NAV	NAV	4800			*5.21*	926			*2.74*	506			*2.16*	704			*2.13*
Thallium	NAV	NAV	0.75	J		*0.56*	0.29	U		*0.29*	0.24	J		*0.23*	0.23	U		*0.23*
Vanadium	NAV	57	71.6			*1.22*	12.8			*0.64*	16.9			*0.51*	14			*0.5*
Zinc	120	150	150			*1.45*	81			*0.76*	111			*0.6*	70.7			*0.59*
Misc. (mg/kg)																		
Total Organic Carbon	NAV	NAV	9400			*250*	3300			*250*	2100			*250*	2800			*250*

See Notes at end of Table

Table D-14
Analytes Detected in Landfill M-5 Sediment Samples
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Analyte	Sample ID / Sample Date		M5-SD5 6/18/10				DUP-SD03 6/18/10				M5-SD6 6/18/10			
	ESC													
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)														
Acetone	NAV	NAV	0.11	J		*0.014*	0.023	J		*0.007*	0.0039	U		*0.0039*
Methylene chloride	0.159	NAV	0.032	B		*0.0067*	0.012	JB		*0.0033*	0.0095	B		*0.0018*
Styrene	0.254	NAV	0.0021	U		*0.0021*	0.001	U		*0.001*	0.0055	J		*0.00058*
2-Butanone	NAV	NAV	0.041	J		*0.015*	0.0099	J		*0.0072*	0.004	U		*0.004*
Carbon disulfide	NAV	NAV	0.0074	J		*0.005*	0.0025	U		*0.0025*	0.0014	U		*0.0014*
SVOCs (mg/kg)														
Acenaphthylene	0.044	0.044	0.029	U		*0.029*	0.015	U		*0.015*	0.054	U		*0.054*
Anthracene	0.22	0.085	0.016			*0.0014*	0.0007	U		*0.0007*	0.23			*0.0026*
Benzo(a)anthracene	0.32	0.261	0.049			*0.001*	0.011			*0.00052*	0.032			*0.0019*
Benzo(a)pyrene	0.37	0.43	0.072			*0.001*	0.13			*0.00052*	0.35			*0.0019*
Benzo(b)fluoranthene	10.4	1.8	0.037	U		*0.037*	0.019	U		*0.019*	0.071	U		*0.071*
Benzo(g,h,i)perylene	0.17	0.17	0.046	U		*0.046*	0.024	U		*0.024*	0.087	U		*0.087*
Benzo(k)fluoranthene	0.24	0.24	0.054	U		*0.054*	0.027	U		*0.027*	0.1	U		*0.1*
Chrysene	0.34	0.384	0.052	U		*0.052*	0.026	U		*0.026*	0.098	U		*0.098*
Dimethylphthalate	NAV	NAV	0.99	J		*0.031*	0.53	J		*0.016*	0.33	J		*0.058*
Fluoranthene	0.75	0.6	0.023	U		*0.023*	0.012	U		*0.012*	0.043	U		*0.043*
Fluorene	0.19	0.019	0.043	U		*0.043*	0.022	U		*0.022*	0.082	U		*0.082*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.038	U		*0.038*	0.019	U		*0.019*	0.072	U		*0.072*
2-Methylnaphthalene	0.07	0.07	0.029	U		*0.029*	0.015	U		*0.015*	0.054	U		*0.054*
Naphthalene	0.16	0.16	0.04	U		*0.04*	0.02	U		*0.02*	0.074	U		*0.074*
Phenanthrene	0.56	0.24	0.031	U		*0.031*	0.016	U		*0.016*	0.058	U		*0.058*
Pyrene	0.49	0.665	0.027	U		*0.027*	0.014	U		*0.014*	0.052	U		*0.052*
Pesticides (mg/kg)														
alpha-Chlordane	0.007	0.007	0.00048	U		*0.00048*	0.00024	U		*0.00024*	0.0011	J		*0.00018*
4,4'-DDD	0.008	0.002	0.00058	U		*0.00058*	0.0003	U		*0.0003*	0.002	JP		*0.00022*
4,4'-DDE	0.005	0.0022	0.00069	U		*0.00069*	0.00035	U		*0.00035*	0.0017	JP		*0.00026*
4,4'-DDT	0.008	0.001	0.00048	U		*0.00048*	0.00024	U		*0.00024*	0.0011	JP		*0.00018*
PCBs (mg/kg)	None detected													
Metals (mg/kg)														
Aluminum	25500	18000	4290			*1.89*	6270			*1.36*	2300			*0.97*
Antimony	3	9.3	1.26	U		*1.26*	1.48	J		*0.9*	0.65	U		*0.65*
Arsenic	6	8.2	43.5			*0.74*	12.3			*0.53*	4.22			*0.38*
Barium	NAV	48	50.7			*0.9*	36.2			*0.65*	32.4			*0.46*
Beryllium	NAV	NAV	1.72			*0.13*	1.24			*0.1*	1.04			*0.07*
Cadmium	0.6	1.2	1.72			*0.13*	2.89			*0.1*	0.79			*0.07*
Calcium	NAV	NAV	1760			*2.4*	1950			*1.73*	863			*1.24*
Chromium	26	81	48			*0.29*	58.6			*0.21*	22.8			*0.15*
Cobalt	50	10	5.06			*1.28*	9.51			*0.92*	4.86			*0.66*
Copper	16	34	0.72	U		*0.72*	19.8			*0.52*	4.21			*0.37*
Iron	NAV	NAV	51400			*2.99*	39300			*2.15*	21000			*1.54*
Lead	31	47	12.1			*0.88*	62.4			*0.63*	20.8			*0.45*
Magnesium	NAV	NAV	1410			*10.3*	2820			*7.4*	1320			*5.3*
Manganese	630	260	37.1			*0.43*	52.1			*0.31*	26.3			*0.22*
Mercury	0.2	0.15	0.045			*0.006*	0.155			*0.003*	0.06			*0.002*
Nickel	16	21	11.7			*1.03*	19.3			*0.74*	8.28			*0.53*
Potassium	NAV	NAV	1500			*7.86*	3910			*5.65*	1680			*4.05*
Selenium	NAV	1	7.74			*0.92*	4.93			*0.66*	2.49			*0.47*
Silver	1	1	0.34	U		*0.34*	1.29			*0.24*	0.17	U		*0.17*
Sodium	NAV	NAV	971			*5.66*	1790			*4.07*	406			*2.92*
Thallium	NAV	NAV	0.61	U		*0.61*	0.64	J		*0.44*	0.31	U		*0.31*
Vanadium	NAV	57	38.3			*1.32*	48.7			*0.95*	14.5			*0.68*
Zinc	120	150	57.9			*1.57*	203			*1.13*	89.8			*0.81*
Misc. (mg/kg)														
Total Organic Carbon	NAV	NAV	13000			*250*	6300			*250*	1000			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
B = The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-15
Analytes Detected in Landfill M-8 Surface Water Samples
Page 1 of 2

Analyte	Sample ID / Sample Date		M8-SW3 6/17/10				M8-SW3-Diss 6/17/10				M8-SW7 6/23/10			
	ESC													
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected													
SVOCs (ug/L)														
Dimethylphthalate	NAV	NAV	0.23	U		*0.23*	NT				10	J		*0.23*
Pesticides (ug/L)	None detected													
PCBs (ug/L)	None detected													
Metals (ug/L)														
Aluminum	NAV	NAV	149			*6.5*	15.6	J		*6.5*	105			*6.5*
Arsenic	150	36	5.46	J		*4.2*	5.25	J		*4.2*	4.2	U		*4.2*
Barium	220	NAV	50.2			*4*	51.6			*4*	76			*4*
Calcium	NAV	NAV	166000			*31.8*	173000			*31.8*	68500			*31.8*
Iron	NAV	NAV	1120			*20.4*	103			*20.4*	2190			*20.4*
Lead	5.4	24	5.79	J		*2.6*	4.76	J		*2.6*	8.7			*2.6*
Magnesium	NAV	NAV	527000			*32.5*	548000			*32.5*	133000			*32.5*
Manganese	NAV	NAV	91.6			*1.7*	83.4			*1.7*	142			*1.7*
Mercury	0.77	0.94	0.1	J		*0.09*	0.11	J		*0.09*	0.09	U		*0.09*
Nickel	89	22	8.25	J		*4.2*	6.08	J		*4.2*	7.71	J		*4.2*
Potassium	NAV	NAV	176000			*38.8*	181000			*38.8*	43700			*38.8*
Sodium	NAV	NAV	3990000			*139*	4050000			*139*	975000			*13.9*
Thallium	10	NAV	8.18	J		*2.4*	6.57	J		*2.4*	2.77	J		*2.4*
Zinc	230	81	47.7			*6.5*	49.7			*6.5*	45.5			*6.5*
Misc. (ug/L)														
Hardness	NAv	NAV	2590449			*105*	NT				798413			*117*

See Notes at end of Table

Table D-15
Analytes Detected in Landfill M-8 Surface Water Samples
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Analyte	Sample ID / Sample Date		M8-SW7-Diss 6/23/10				M8-SW12 6/23/10				M8-SW12-Diss 6/22/10			
	ESC													
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected													
SVOCs (ug/L)														
Dimethylphthalate	NAV	NAV	NT				0.23	U		*0.23*	NT			
Pesticides (ug/L)	None detected													
PCBs (ug/L)	None detected													
Metals (ug/L)														
Aluminum	NAV	NAV	7.99	J		*6.5*	50.4			*6.5*	11.5	J		*6.5*
Arsenic	150	36	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*
Barium	220	NAV	72.9			*4*	65.7			*4*	66.3			*4*
Calcium	NAV	NAV	70000			*31.8*	38800			*31.8*	41700			*31.8*
Iron	NAV	NAV	187			*20.4*	1920			*20.4*	412			*20.4*
Lead	5.4	24	10.1			*2.6*	9.56			*2.6*	9.83			*2.6*
Magnesium	NAV	NAV	135000			*32.5*	32100			*32.5*	35400			*32.5*
Manganese	NAV	NAV	141			*1.7*	97.4			*1.7*	99			*1.7*
Mercury	0.77	0.94	0.09	U		*0.09*	0.09	U		*0.09*	0.09	U		*0.09*
Nickel	89	22	8.94	J		*4.2*	7.19	J		*4.2*	7.93	J		*4.2*
Potassium	NAV	NAV	41600			*38.8*	11900			*38.8*	12400			*38.8*
Sodium	NAV	NAV	919000			*13.9*	257000			*13.9*	266000			*13.9*
Thallium	10	NAV	6.71	J		*2.4*	3.99	J		*2.4*	2.92	J		*2.4*
Zinc	230	81	62.1			*6.5*	47.4			*6.5*	36			*6.5*
Misc. (ug/L)														
Hardness	NAv	NAV	NT				254462			*117*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness.

Table D-16
Analytes Detected in Landfill M-8 Sediment Samples
Page 1 of 3

Analyte	Sample ID / Sample Date		M8-SD1 6/23/10				M8-SD2 6/17/10				M8-SD3 6/17/10				M8-SD4 6/17/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																		
Acetone	NAV	NAV	0.1			*0.011*	0.021	J		*0.0048*	0.14			*0.013*	0.051	J		*0.0077*
Chlorobenzene	0.291	NAV	0.0018	U		*0.0018*	0.0008	U		*0.0008*	0.0022	U		*0.0022*	0.0013	U		*0.0013*
1,4-Dichlorobenzene	0.318	0.110	0.0015	U		*0.0015*	0.00066	U		*0.00066*	0.0018	U		*0.0018*	0.001	U		*0.001*
Methylene chloride	0.159	NAV	0.0065	J		*0.0052*	0.0038	J		*0.0023*	0.017	J		*0.0061*	0.0073	J		*0.0036*
Toluene	2.5	2.5	0.0024	U		*0.0024*	0.001	U		*0.001*	0.0074	J		*0.0028*	0.0016	U		*0.0016*
2-Butanone	NAV	NAV	0.025	J		*0.011*	0.005	U		*0.005*	0.051	J		*0.013*	0.021	J		*0.0079*
Carbon disulfide	NAV	NAV	0.0039	U		*0.0039*	0.0017	U		*0.0017*	0.0046	U		*0.0046*	0.0027	U		*0.0027*
SVOCs (mg/kg)																		
Anthracene	0.22	0.085	0.0011	U		*0.0011*	0.0006	U		*0.0006*	0.001	U		*0.001*	0.02			*0.00081*
Benzo(a)anthracene	0.32	0.261	0.00079	U		*0.00079*	0.006			*0.00045*	0.015			*0.00077*	0.098			*0.00061*
Benzo(a)pyrene	0.37	0.43	0.00079	U		*0.00079*	0.0065			*0.00045*	0.015			*0.00077*	0.09			*0.00061*
Benzo(b)fluoranthene	10.4	1.8	0.029	U		*0.029*	0.016	U		*0.016*	0.028	U		*0.028*	0.11	J		*0.022*
Chrysene	0.34	0.384	0.04	U		*0.04*	0.022	U		*0.022*	0.039	U		*0.039*	0.12	J		*0.031*
Dimethylphthalate	NAV	NAV	0.95			*0.024*	0.5			*0.013*	1			*0.023*	0.67	J		*0.018*
Fluoranthene	0.75	0.6	0.018	U		*0.018*	0.01	U		*0.01*	0.017	U		*0.017*	0.23	J		*0.014*
Phenanthrene	0.56	0.24	0.024	U		*0.024*	0.013	U		*0.013*	0.023	U		*0.023*	0.12	J		*0.018*
Pyrene	0.49	0.665	0.021	U		*0.021*	0.012	U		*0.012*	0.02	U		*0.02*	0.19	J		*0.016*
Pesticides (mg/kg)																		
4,4'-DDD	0.008	0.002	0.00046	U		*0.00046*	0.00025	U		*0.00025*	0.00043	U		*0.00043*	0.00035	U		*0.00035*
4,4'-DDE	0.005	0.0022	0.00054	U		*0.00054*	0.0003	U		*0.0003*	0.00051	U		*0.00051*	0.00042	U		*0.00042*
PCBs (mg/kg)																		
Aroclor 1242	0.07	0.023	0.0057	U		*0.0057*	0.0031	U		*0.0031*	0.0054	U		*0.0054*	0.0044	U		*0.0044*
Aroclor 1260	0.005	0.005	0.01	U		*0.01*	0.0056	U		*0.0056*	0.0095	U		*0.0095*	0.0077	U		*0.0077*
Metals (mg/kg)																		
Aluminum	25500	18000	14800			*2.24*	6210			*0.81*	15400			*1.69*	10000			*1.03*
Antimony	3	9.3	2.08	J		*1.49*	0.95	J		*0.54*	2.82	J		*1.12*	1.91	J		*0.69*
Arsenic	6	8.2	18.9			*0.88*	4.36			*0.32*	16.2			*0.66*	9.3			*0.41*
Barium	NAV	48	21.6			*1.07*	14.3			*0.38*	63			*0.8*	103			*0.49*
Beryllium	NAV	NAV	3.1			*0.16*	1.6			*0.06*	2.9			*0.12*	2.17			*0.07*
Cadmium	0.6	1.2	4.15			*0.16*	3.01			*0.06*	6.62			*0.12*	6.85			*0.07*
Calcium	NAV	NAV	3330			*2.85*	350			*1.03*	2370			*2.15*	1570			*1.31*
Chromium	26	81	125			*0.35*	58.3			*0.12*	131			*0.26*	97.4			*0.16*
Cobalt	50	10	7.38			*1.52*	11.1			*0.55*	42.1			*1.14*	115			*0.7*
Copper	16	34	0.85	U		*0.85*	7.95			*0.31*	57.2			*0.64*	64.5			*0.39*
Iron	NAV	NAV	84100			*3.55*	37000			*1.28*	69800			*2.67*	54900			*1.63*
Lead	31	47	14.8			*1.04*	43.1			*0.37*	167			*0.78*	179			*0.48*
Magnesium	NAV	NAV	6530			*12.2*	2850			*4.4*	5940			*9.2*	4620			*5.62*
Manganese	630	260	81.7			*0.51*	20.6			*0.18*	140			*0.38*	78			*0.23*
Mercury	0.2	0.15	0.022	J		*0.005*	0.155			*0.003*	0.37			*0.005*	0.323			*0.004*
Nickel	16	21	24.6			*1.23*	20.7			*0.44*	60.5			*0.92*	39.4			*0.56*
Potassium	NAV	NAV	10200			*9.33*	6240			*3.37*	10800			*7.03*	7920			*4.3*
Selenium	NAV	1	8.74			*1.09*	5.49			*0.39*	11.1			*0.82*	8.6			*0.5*
Silver	1	1	0.4	U		*0.4*	0.14	U		*0.14*	0.3	U		*0.3*	5.85			*0.18*
Sodium	NAV	NAV	1880			*6.72*	2040			*2.42*	4360			*5.06*	3780			*3.09*
Thallium	NAV	NAV	1	J		*0.72*	0.26	U		*0.26*	0.95	J		*0.54*	0.55	J		*0.33*
Vanadium	NAV	57	67.1			*1.57*	37.9			*0.57*	99.1			*1.18*	60.9			*0.72*
Zinc	120	150	132			*1.87*	158			*0.67*	389			*1.41*	279			*0.86*
Misc.																		
Total Organic Carbon	NAV	NAV	6300			*250*	4800			*250*	13000			*250*	16000			*250*

See Notes at end of Table

Table D-16
Analytes Detected in Landfill M-8 Sediment Samples
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Analyte	Sample ID / Sample Date		M8-SD5 6/17/10				M8-SD6 6/23/10				M8-SD7 6/23/10				M8-SD8 6/17/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																		
Acetone	NAV	NAV	0.081			*0.0087*	0.011	J		*0.0039*	0.0061	U		*0.0061*	0.063	J		*0.011*
Chlorobenzene	0.291	NAV	0.025			*0.0014*	0.00064	U		*0.00064*	0.001	U		*0.001*	0.0019	U		*0.0019*
1,4-Dichlorobenzene	0.318	0.110	0.0057	J		*0.0012*	0.00052	U		*0.00052*	0.00083	U		*0.00083*	0.0015	U		*0.0015*
Methylene chloride	0.159	NAV	0.01	J		*0.0041*	0.0018	U		*0.0018*	0.0029	U		*0.0029*	0.0053	U		*0.0053*
Toluene	2.5	2.5	0.0018	U		*0.0018*	0.00082	U		*0.00082*	0.0013	U		*0.0013*	0.0024	U		*0.0024*
2-Butanone	NAV	NAV	0.03	J		*0.0089*	0.004	U		*0.004*	0.0063	U		*0.0063*	0.023	J		*0.012*
Carbon disulfide	NAV	NAV	0.003	U		*0.003*	0.0014	U		*0.0014*	0.0021	U		*0.0021*	0.004	U		*0.004*
SVOCs (mg/kg)																		
Anthracene	0.22	0.085	0.0065			*0.00078*	0.017			*0.001*	0.0083			*0.00077*	0.0011	U		*0.0011*
Benzo(a)anthracene	0.32	0.261	0.018			*0.00059*	0.11			*0.00076*	0.04			*0.00057*	0.021			*0.00081*
Benzo(a)pyrene	0.37	0.43	0.014			*0.00059*	0.11			*0.00076*	0.053			*0.00057*	0.021			*0.00081*
Benzo(b)fluoranthene	10.4	1.8	0.021	U		*0.021*	0.15	J		*0.028*	0.021	U		*0.021*	0.029	U		*0.029*
Chrysene	0.34	0.384	0.03	U		*0.03*	0.13	J		*0.038*	0.029	U		*0.029*	0.041	U		*0.041*
Dimethylphthalate	NAV	NAV	0.63	J		*0.018*	0.33	J		*0.023*	0.55	J		*0.017*	0.74	J		*0.024*
Fluoranthene	0.75	0.6	0.013	U		*0.013*	0.24	J		*0.017*	0.013	U		*0.013*	0.018	U		*0.018*
Phenanthrene	0.56	0.24	0.018	U		*0.018*	0.12	J		*0.023*	0.017	U		*0.017*	0.024	U		*0.024*
Pyrene	0.49	0.665	0.016	U		*0.016*	0.22	J		*0.02*	0.015	U		*0.015*	0.022	U		*0.022*
Pesticides (mg/kg)																		
4,4'-DDD	0.008	0.002	0.00033	U		*0.00033*	0.0023	JP		*0.00021*	0.00033	U		*0.00033*	0.00046	U		*0.00046*
4,4'-DDE	0.005	0.0022	0.00039	U		*0.00039*	0.00025	U		*0.00025*	0.00038	U		*0.00038*	0.00054	U		*0.00054*
PCBs (mg/kg)																		
Aroclor 1242	0.07	0.023	0.0041	U		*0.0041*	0.05	P		*0.0027*	0.004	U		*0.004*	0.0057	U		*0.0057*
Aroclor 1260	0.005	0.005	0.0073	U		*0.0073*	0.011	J		*0.0047*	0.0071	U		*0.0071*	0.01	U		*0.01*
Metals (mg/kg)																		
Aluminum	25500	18000	7420			*1.14*	4770			*0.73*	6720			*1*	12400			*2.26*
Antimony	3	9.3	1.26	J		*0.76*	1.04	J		*0.49*	1.62	J		*0.67*	3.05	J		*1.51*
Arsenic	6	8.2	6.3			*0.45*	14.9			*0.29*	10.4			*0.39*	15.4			*0.89*
Barium	NAV	48	92.6			*0.54*	25.6			*0.35*	24			*0.48*	66			*1.08*
Beryllium	NAV	NAV	1.77			*0.08*	1.55			*0.05*	1.69			*0.07*	2.94			*0.16*
Cadmium	0.6	1.2	5.22			*0.08*	2.47			*0.05*	3.76			*0.07*	5.7			*0.16*
Calcium	NAV	NAV	1520			*1.45*	2520			*0.93*	2110			*1.27*	1360			*2.88*
Chromium	26	81	78.6			*0.18*	50.7			*0.11*	68.5			*0.15*	101			*0.35*
Cobalt	50	10	116			*0.77*	6.08			*0.49*	27			*0.68*	29.5			*1.53*
Copper	16	34	42			*0.43*	1.12			*0.28*	21.7			*0.38*	59.7			*0.86*
Iron	NAV	NAV	38200			*1.8*	45400			*1.15*	40500			*1.58*	77900			*3.58*
Lead	31	47	120			*0.53*	31.3			*0.34*	94.8			*0.46*	154			*1.05*
Magnesium	NAV	NAV	2810			*6.21*	3320			*3.97*	3420			*5.45*	4290			*12.3*
Manganese	630	260	49.6			*0.26*	28.9			*0.16*	37.1			*0.23*	364			*0.51*
Mercury	0.2	0.15	0.38			*0.003*	0.1			*0.002*	0.742			*0.004*	0.853			*0.005*
Nickel	16	21	24.3			*0.62*	12.7			*0.4*	32.6			*0.55*	39.1			*1.24*
Potassium	NAV	NAV	5720			*4.75*	5220			*3.03*	5250			*4.16*	5760			*9.41*
Selenium	NAV	1	6.45			*0.56*	4.84			*0.36*	4.81			*0.49*	13.8			*1.1*
Silver	1	1	3.86			*0.2*	0.13	U		*0.13*	1.78			*0.18*	0.4	U		*0.4*
Sodium	NAV	NAV	2020			*3.42*	1490			*2.18*	2280			*3*	3810			*6.77*
Thallium	NAV	NAV	0.44	J		*0.37*	0.58	J		*0.23*	0.97	J		*0.32*	0.73	U		*0.73*
Vanadium	NAV	57	46.3			*0.8*	42.1			*0.51*	46.3			*0.7*	82.2			*1.59*
Zinc	120	150	211			*0.95*	131			*0.61*	194			*0.83*	415			*1.88*
Misc.																		
Total Organic Carbon	NAV	NAV	11000			*250*	820			*250*	4100			*250*	10000			*250*

See Notes at end of Table

Table D-16
Analytes Detected in Landfill M-8 Sediment Samples
Page 3 of 3

Analyte	Sample ID / Sample Date		M8-SD9 6/17/10				DUP-SD02 6/17/10				M8-SD10 6/17/10				M8-SD12 6/17/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																		
Acetone	NAV	NAV	0.028	J		*0.0045*	0.015	J		*0.0046*	0.04			*0.0046*	0.0037	U		*0.0037*
Chlorobenzene	0.291	NAV	0.00075	U		*0.00075*	0.00075	U		*0.00075*	0.00076	U		*0.00076*	0.00061	U		*0.00061*
1,4-Dichlorobenzene	0.318	0.110	0.00062	U		*0.00062*	0.00062	U		*0.00062*	0.00063	U		*0.00063*	0.0005	U		*0.0005*
Methylene chloride	0.159	NAV	0.0058	J		*0.0021*	0.0032	J		*0.0021*	0.0092			*0.0022*	0.004	J		*0.0017*
Toluene	2.5	2.5	0.00096	U		*0.00096*	0.00096	U		*0.00096*	0.00098	U		*0.00098*	0.00079	U		*0.00079*
2-Butanone	NAV	NAV	0.0047	U		*0.0047*	0.0047	U		*0.0047*	0.014	J		*0.0048*	0.0038	U		*0.0038*
Carbon disulfide	NAV	NAV	0.0019	J		*0.0016*	0.0016	U		*0.0016*	0.0023	J		*0.0016*	0.0013	U		*0.0013*
SVOCs (mg/kg)																		
Anthracene	0.22	0.085	0.001	U		*0.001*	0.00059	U		*0.00059*	0.0052			*0.00056*	0.0066			*0.00049*
Benzo(a)anthracene	0.32	0.261	0.001	U		*0.001*	0.0044	J		*0.00044*	0.026			*0.00042*	0.045			*0.00037*
Benzo(a)pyrene	0.37	0.43	0.001	U		*0.001*	0.0039	J		*0.00044*	0.024			*0.00042*	0.041			*0.00037*
Benzo(b)fluoranthene	10.4	1.8	0.016	U		*0.016*	0.016	U		*0.016*	0.015	U		*0.015*	0.056	J		*0.013*
Chrysene	0.34	0.384	0.023	U		*0.023*	0.022	U		*0.022*	0.021	U		*0.021*	0.068	J		*0.019*
Dimethylphthalate	NAV	NAV	0.55			*0.014*	0.44	J		*0.013*	0.52			*0.013*	0.44			*0.011*
Fluoranthene	0.75	0.6	0.01	U		*0.01*	0.0098	U		*0.0098*	0.0094	U		*0.0094*	0.11	J		*0.0083*
Phenanthrene	0.56	0.24	0.014	U		*0.014*	0.013	U		*0.013*	0.013	U		*0.013*	0.057	J		*0.011*
Pyrene	0.49	0.665	0.012	U		*0.012*	0.012	U		*0.012*	0.011	U		*0.011*	0.11	J		*0.0099*
Pesticides (mg/kg)																		
4,4'-DDD	0.008	0.002	0.00026	U		*0.00026*	0.00025	U		*0.00025*	0.0021	JP		*0.00024*	0.0033			*0.00021*
4,4'-DDE	0.005	0.0022	0.0003	U		*0.0003*	0.0003	U		*0.0003*	0.0013	J		*0.00028*	0.0015	JP		*0.00025*
PCBs (mg/kg)																		
Aroclor 1242	0.07	0.023	0.0032	U		*0.0032*	0.0031	U		*0.0031*	0.17			*0.0029*	0.0026	U		*0.0026*
Aroclor 1260	0.005	0.005	0.0056	U		*0.0056*	0.0056	U		*0.0056*	0.0052	U		*0.0052*	0.0046	U		*0.0046*
Metals (mg/kg)																		
Aluminum	25500	18000	3790			*0.8*	3580			*0.86*	3650			*1.02*	2410			*0.6*
Antimony	3	9.3	0.84	J		*0.53*	0.84	J		*0.58*	1.65	J		*0.68*	0.5	J		*0.4*
Arsenic	6	8.2	5.85			*0.31*	4.25			*0.34*	3.62			*0.4*	1.25			*0.24*
Barium	NAV	48	65.9			*0.38*	39.4			*0.41*	59.6			*0.49*	16.8			*0.29*
Beryllium	NAV	NAV	0.75			*0.06*	0.7			*0.06*	1.2			*0.07*	0.89			*0.04*
Cadmium	0.6	1.2	1.41			*0.06*	1.48			*0.06*	2.53			*0.07*	1.15			*0.04*
Calcium	NAV	NAV	601			*1.01*	488			*1.1*	480			*1.3*	255			*0.76*
Chromium	26	81	32.1			*0.12*	29.9			*0.13*	39			*0.16*	23.4			*0.09*
Cobalt	50	10	13.9			*0.54*	18.2			*0.59*	77.9			*0.69*	10.9			*0.41*
Copper	16	34	19.2			*0.3*	13.3			*0.33*	14.4			*0.39*	5.34			*0.23*
Iron	NAV	NAV	17300			*1.26*	19100			*1.37*	24500			*1.62*	17100			*0.95*
Lead	31	47	60.4			*0.37*	39.3			*0.4*	64			*0.47*	20.4			*0.28*
Magnesium	NAV	NAV	1260			*4.34*	1180			*4.71*	1620			*5.58*	1220			*3.27*
Manganese	630	260	40.1			*0.18*	36.2			*0.2*	32.3			*0.23*	13			*0.14*
Mercury	0.2	0.15	0.469			*0.003*	0.272			*0.003*	0.665			*0.003*	0.027			*0.002*
Nickel	16	21	6.87			*0.44*	6.42			*0.47*	22.3			*0.56*	8.48			*0.33*
Potassium	NAV	NAV	1860			*3.31*	1820			*3.6*	2830			*4.26*	2600			*2.5*
Selenium	NAV	1	3.43			*0.39*	3.61			*0.42*	4.15			*0.5*	2.64			*0.29*
Silver	1	1	0.14	U		*0.14*	0.15	U		*0.15*	0.18	U		*0.18*	0.11	U		*0.11*
Sodium	NAV	NAV	1030			*2.39*	940			*2.59*	1270			*3.07*	767			*1.8*
Thallium	NAV	NAV	0.33	J		*0.26*	0.28	U		*0.28*	0.33	U		*0.33*	0.19	U		*0.19*
Vanadium	NAV	57	22.8			*0.56*	23.1			*0.61*	22.7			*0.72*	12.6			*0.42*
Zinc	120	150	112			*0.66*	87.9			*0.72*	155			*0.85*	75.2			*0.5*
Misc.																		
Total Organic Carbon	NAV	NAV	6700			*250*	7500			*250*	4900			*250*	2700			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
B = The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-17
Analytes Detected in Landfill M-14 Surface Water Samples
Page 1 of 2

Analyte	Sample ID / Sample Date		M14-SW3 6/22/10				M14-SW3-Diss 6/22/10				M14-SW8 6/15/10				M14-SW8-Diss 6/15/10				M14-SW12 6/28/10			
	ESC																					
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																						
Chloroform	140	NAV	1.3	J		*0.34*	NT				0.34	U		*0.34*	NT				0.34	U		*0.34*
cis-1,2-Dichloroethene	NAV	NAV	0.87	J		*0.35*	NT				1.8	J		*0.35*	NT				0.35	U		*0.35*
SVOCs (ug/L)																						
Anthracene	0.035	NAV	0.1	J		*0.012*	NT				0.012	U		*0.012*	NT				0.02	U		*0.02*
Benzo(a)anthracene	0.025	NAV	0.012	U		*0.012*	NT				0.012	U		*0.012*	NT				0.02	U		*0.02*
Benzo(a)pyrene	0.014	NAV	0.009	U		*0.009*	NT				0.009	U		*0.009*	NT				0.02	U		*0.02*
3,3'-Dichlorobenzidine	4.5	NAV	0.021	U		*0.021*	NT				0.02	U		*0.02*	NT				0.02	U		*0.02*
1,2,4-Trichlorobenzene	30	NAV	0.021	U		*0.021*	NT				0.02	U		*0.02*	NT				0.02	U		*0.02*
Pesticides (ug/L)	None detected																					
PCBs (ug/L)	None detected																					
Metals (ug/L)																						
Aluminum	NAV	NAV	52.6			*6.5*	6.5	U		*6.5*	18.1	J		*6.5*	35.5	J		*6.5*	92.9			*6.5*
Arsenic	150	36	6.32	J		*4.2*	4.55	J		*4.2*	12.6			*4.2*	11.1			*4.2*	4.2	U		*4.2*
Barium	220	NAV	46	J		*4*	47.6	J		*4*	38.2	J		*4*	38	J		*4*	35.1	J		*4*
Cadmium	0.14	8.8	0.5	U		*0.5*	0.5	U		*0.5*	0.67	J		*0.5*	0.5	U		*0.5*	0.5	U		*0.5*
Calcium	NAV	NAV	37100			*31.8*	38800			*31.8*	23100			*31.8*	23900			*31.8*	241000			*31.8*
Iron	NAV	NAV	1260			*20.4*	364			*20.4*	780			*20.4*	1910			*20.4*	583			*20.4*
Lead	5.4	24	7.26			*2.6*	8.92			*2.6*	4.17	J		*2.6*	5.9	J		*2.6*	4.19	J		*2.6*
Magnesium	NAV	NAV	58700			*32.5*	60800			*32.5*	14300			*32.5*	19900			*32.5*	782000			*32.5*
Manganese	NAV	NAV	71.3			*1.7*	71.4			*1.7*	75			*1.7*	73.8			*1.7*	109			*1.7*
Nickel	34	22	5.93	J		*4.2*	6.16	J		*4.2*	6.73	J		*4.2*	6.55	J		*4.2*	4.34	J		*4.2*
Potassium	NAV	NAV	20800			*38.8*	20700			*38.8*	6170			*38.8*	8120			*38.8*	303000			*38.8*
Sodium	NAV	NAV	468000			*13.9*	480000			*13.9*	122000			*13.9*	171000			*13.9*	6530000			*139*
Thallium	10	NAV	6.09	J		*2.4*	7.37	J		*2.4*	13.3	J		*2.4*	13	J		*2.4*	2.4	U		*2.4*
Zinc	86	81	52.4			*6.5*	50.5			*6.5*	57.8			*6.5*	56.9			*6.5*	32.3			*6.5*
Misc. (ug/L)																						
Hardness	NAV	NAV	334377			*105*	NT				116480			*105*	NT				3821579			*105*

See Notes at end of Table

Table D-17
Analytes Detected in Landfill M-14 Surface Water Samples
Page 2 of 2

Analyte	Sample ID / Sample Date		M14-SW12-Diss 6/28/10				M14-SW13 6/22/10				M14-SW13-Diss 6/22/10				DUP-SW02 6/22/10				DUP-SW02-Diss 6/22/10			
	ESC																					
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																						
Chloroform	140	NAV	NT				2.3	J		*0.34*	NT				2.2	J		*0.34*	NT			
cis-1,2-Dichloroethene	NAV	NAV	NT				1.2	J		*0.35*	NT				1.2	J		*0.35*	NT			
SVOCs (ug/L)																						
Anthracene	0.035	NAV	NT				0.12			*0.012*	NT				0.13			*0.012*	NT			
Benzo(a)anthracene	0.025	NAV	NT				0.23			*0.012*	NT				0.24			*0.012*	NT			
Benzo(a)pyrene	0.014	NAV	NT				0.009	U		*0.009*	NT				0.31			*0.009*	NT			
3,3'-Dichlorobenzidine	4.5	NAV	NT				0.021	U		*0.021*	NT				0.56			*0.021*	NT			
1,2,4-Trichlorobenzene	30	NAV	NT				0.57			*0.021*	NT				0.57			*0.021*	NT			
Pesticides (ug/L)	None detected																					
PCBs (ug/L)	None detected																					
Metals (ug/L)																						
Aluminum	NAV	NAV	21.4	J		*6.5*	10.6	J		*6.5*	6.5	U		*6.5*	11.2	J		*6.5*	6.5	U		*6.5*
Arsenic	150	36	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*
Barium	220	NAV	31.4	J		*4*	39.5	J		*4*	40.3	J		*4*	40.8	J		*4*	40.8	J		*4*
Cadmium	0.14	8.8	0.5	U		*0.5*	0.5	U		*0.5*	0.5	U		*0.5*	0.5	U		*0.5*	0.5	U		*0.5*
Calcium	NAV	NAV	241000			*31.8*	23000			*31.8*	23400			*31.8*	23100			*31.8*	23200			*31.8*
Iron	NAV	NAV	70.8			*20.4*	1250			*20.4*	558			*20.4*	1230			*20.4*	514			*20.4*
Lead	5.4	24	2.6	U		*2.6*	4.6	J		*2.6*	6.84			*2.6*	4.43	J		*2.6*	4.97	J		*2.6*
Magnesium	NAV	NAV	797000			*32.5*	3650			*32.5*	3780			*32.5*	3740			*32.5*	3780			*32.5*
Manganese	NAV	NAV	98.4			*1.7*	46.3			*1.7*	44.6			*1.7*	47.5			*1.7*	44.5			*1.7*
Nickel	34	22	4.29	J		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*	4.35	J		*4.2*	5.38	J		*4.2*
Potassium	NAV	NAV	295000			*38.8*	2530			*38.8*	2520			*38.8*	2500			*38.8*	2480			*38.8*
Sodium	NAV	NAV	6610000			*139*	26000			*13.9*	26200			*13.9*	25700			*13.9*	26000			*13.9*
Thallium	10	NAV	2.4	U		*2.4*	2.4	U		*2.4*	2.77	J		*2.4*	3.18	J		*2.4*	3.03	J		*2.4*
Zinc	86	81	37.7			*6.5*	45.5			*6.5*	37.3			*6.5*	40.2			*6.5*	52.9			*6.5*
Misc. (ug/L)																						
Hardness	NAV	NAV	NT				72349			*105*	NT				73128			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness.

Table D-18
Analytes Detected in Landfill M-14 Sediment Samples
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Analyte	Sample ID / Sample Date		M14-SD1 6/15/10				M14-SD2 6/15/10				M14-SD3 6/15/10				M14-SD4 6/15/10				M14-SD5 6/15/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																						
Acetone	NAV	NAV	0.0039	U		*0.0039*	0.0039	U		*0.0039*	0.0082	J		*0.004*	0.0098	J		*0.0039*	0.0067	J		*0.0039*
Methylene chloride	0.159	NAV	0.0018	U		*0.0018*	0.0019	J		*0.0018*	0.0019	U		*0.0019*	0.0018	U		*0.0018*	0.0023	J		*0.0018*
2-Butanone	NAV	NAV	0.004	U		*0.004*	0.004	U		*0.004*	0.0041	U		*0.0041*	0.004	U		*0.004*	0.004	U		*0.004*
Carbon disulfide	NAV	NAV	0.0014	U		*0.0014*	0.0014	U		*0.0014*	0.0016	J		*0.0014*	0.0014	U		*0.0014*	0.0026	J		*0.0014*
SVOCs (mg/kg)																						
Acenaphthene	0.016	0.016	0.06	U		*0.06*	0.061	U		*0.061*	0.062	U		*0.062*	0.061	U		*0.061*	0.061	U		*0.061*
Anthracene	0.22	0.085	0.0064			*0.00051*	0.018			*0.00052*	0.03			*0.00053*	0.011			*0.00052*	0.016			*0.00052*
Benzo(a)anthracene	0.32	0.261	0.064			*0.00038*	0.085			*0.00039*	0.28			*0.0004*	0.066			*0.00039*	0.12			*0.00039*
Benzo(a)pyrene	0.37	0.43	0.058			*0.00038*	0.079			*0.00039*	0.22			*0.0004*	0.057			*0.00039*	0.13			*0.00039*
Benzo(b)fluoranthene	10.4	1.8	0.07	U		*0.07*	0.071	U		*0.071*	0.32	J		*0.072*	0.071	U		*0.071*	0.071	U		*0.071*
Benzo(g,h,i)perylene	0.17	0.17	0.086	U		*0.086*	0.087	U		*0.087*	0.09	U		*0.09*	0.087	U		*0.087*	0.087	U		*0.087*
Benzo(k)fluoranthene	0.24	0.24	0.1	U		*0.1*	0.1	U		*0.1*	0.1	U		*0.1*	0.1	U		*0.1*	0.1	U		*0.1*
bis(2-Ethylhexyl)phthalate	0.182	0.18216	0.84	J		*0.075*	0.076	U		*0.076*	0.078	U		*0.078*	0.076	U		*0.076*	0.076	U		*0.076*
Chrysene	0.34	0.384	0.097	U		*0.097*	0.098	U		*0.098*	0.39	J		*0.1*	0.098	U		*0.098*	0.098	U		*0.098*
Dimethylphthalate	NAV	NAV	0.46	J		*0.058*	0.57	J		*0.058*	0.46	J		*0.06*	0.58	J		*0.058*	0.51	J		*0.058*
Fluoranthene	0.75	0.6	0.043	U		*0.043*	0.043	U		*0.043*	0.7	J		*0.044*	0.043	U		*0.043*	0.3	J		*0.043*
Fluorene	0.19	0.019	0.081	U		*0.081*	0.082	U		*0.082*	0.084	U		*0.084*	0.082	U		*0.082*	0.082	U		*0.082*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.071	U		*0.071*	0.072	U		*0.072*	0.074	U		*0.074*	0.072	U		*0.072*	0.072	U		*0.072*
Phenanthrene	0.56	0.24	0.058	U		*0.058*	0.058	U		*0.058*	0.06	U		*0.06*	0.058	U		*0.058*	0.058	U		*0.058*
Pyrene	0.49	0.665	0.051	U		*0.051*	0.052	U		*0.052*	0.66	J		*0.053*	0.052	U		*0.052*	0.29	J		*0.052*
Pesticides (mg/kg)																						
alpha-Chlordane	0.007	0.007	0.00018	U		*0.00018*	0.00018	U		*0.00018*	0.00019	U		*0.00019*	0.00018	U		*0.00018*	0.00018	U		*0.00018*
4,4'-DDD	0.008	0.002	0.004	P		*0.00022*	0.00022	U		*0.00022*	0.0031			*0.00023*	0.0016	J		*0.00022*	0.0041			*0.00022*
4,4'-DDE	0.005	0.0022	0.0031			*0.00026*	0.00026	U		*0.00026*	0.0022	J		*0.00027*	0.00026	U		*0.00026*	0.0025			*0.00026*
4,4'-DDT	0.008	0.001	0.00018	U		*0.00018*	0.00018	U		*0.00018*	0.00019	U		*0.00019*	0.00018	U		*0.00018*	0.00018	U		*0.00018*
PCBs (mg/kg)																						
Aroclor 1254	0.06	0.06	0.006	U		*0.006*	0.23			*0.0061*	0.0062	U		*0.0062*	0.0061	U		*0.0061*	0.0061	U		*0.0061*

See Notes at end of Table

Table D-18
Analytes Detected in Landfill M-14 Sediment Samples
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Analyte	Sample ID / Sample Date		M14-SD1 6/15/10				M14-SD2 6/15/10				M14-SD3 6/15/10				M14-SD4 6/15/10				M14-SD5 6/15/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
Metals (mg/kg)																						
Aluminum	25500	18000	1220			*1.08*	1430			*0.85*	1490			*0.96*	2230			*0.93*	1810			*0.99*
Antimony	3	9.3	0.72	U		*0.72*	0.58	J		*0.57*	0.64	U		*0.64*	0.62	U		*0.62*	0.66	U		*0.66*
Arsenic	6	8.2	0.73	J		*0.42*	1.49			*0.33*	1.25			*0.38*	3.43			*0.37*	1.76			*0.39*
Barium	NAV	48	2.38	J		*0.51*	3.21	J		*0.4*	3.59	J		*0.46*	7.07			*0.45*	3.42	J		*0.47*
Beryllium	NAV	NAV	0.3	J		*0.08*	0.35			*0.06*	0.31	J		*0.07*	0.56			*0.07*	0.39			*0.07*
Cadmium	0.6	1.2	0.46			*0.08*	0.52			*0.06*	0.48			*0.07*	0.91			*0.07*	0.83			*0.07*
Calcium	NAV	NAV	382			*1.38*	516			*1.08*	518			*1.23*	1110			*1.19*	652			*1.26*
Chromium	26	81	14.5			*0.17*	17.9			*0.13*	17.3			*0.15*	27.3			*0.14*	20.5			*0.15*
Cobalt	50	10	1.21	J		*0.73*	1.42	J		*0.58*	1.24	J		*0.65*	1.58	J		*0.63*	1.17	J		*0.67*
Copper	16	34	5.79			*0.41*	12.9			*0.32*	8.68			*0.37*	20.3			*0.36*	11.1			*0.38*
Iron	NAV	NAV	5070			*1.71*	6200			*1.35*	5770			*1.53*	10600			*1.48*	8730			*1.56*
Lead	31	47	6.93			*0.5*	10			*0.39*	9.31			*0.45*	22.7			*0.43*	15.9			*0.46*
Magnesium	NAV	NAV	715			*5.89*	829			*4.63*	766			*5.26*	1040			*5.1*	1040			*5.39*
Manganese	630	260	5.92			*0.24*	9.55			*0.19*	8.51			*0.22*	13.2			*0.21*	7.83			*0.22*
Mercury	0.2	0.15	0.016			*0.003*	0.021			*0.002*	0.02			*0.002*	0.025			*0.002*	0.019			*0.002*
Nickel	16	21	2.56	J		*0.59*	3.04			*0.47*	2.89			*0.53*	4.97			*0.51*	2.69			*0.54*
Potassium	NAV	NAV	1250			*4.5*	1260			*3.54*	1190			*4.02*	2040			*3.9*	1750			*4.12*
Selenium	NAV	1	1.07	J		*0.53*	0.95	J		*0.41*	1.09	J		*0.47*	1.79			*0.46*	1.37			*0.48*
Silver	1	1	0.19	U		*0.19*	0.15	U		*0.15*	0.17	U		*0.17*	0.41	J		*0.17*	0.26	J		*0.18*
Sodium	NAV	NAV	1530			*3.24*	1340			*2.55*	1300			*2.89*	471			*2.8*	1600			*2.96*
Vanadium	NAV	57	8.11			*0.76*	12.1			*0.6*	10.3			*0.68*	12			*0.66*	13.1			*0.69*
Zinc	120	150	38.4			*0.9*	45.1			*0.71*	40.2			*0.8*	74.5			*0.78*	51.3			*0.82*
Misc. (mg/kg)																						
Total Organic Carbon	NAV	NAV	540			*250*	1600			*250*	770			*250*	1200			*250*	870			*250*

See Notes at end of Table

Table D-18
Analytes Detected in Landfill M-14 Sediment Samples
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Analyte	Sample ID / Sample Date		M14-SD6 6/15/10				M14-SD7 6/15/10				M14-SD8 6/15/10				M14-SD9 6/16/10				M14-SD10 6/16/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																						
Acetone	NAV	NAV	0.0038	U		*0.0038*	0.0086	J		*0.0039*	0.0038	U		*0.0038*	0.0037	U		*0.0037*	0.0097	J		*0.0039*
Methylene chloride	0.159	NAV	0.0018	U		*0.0018*	0.0018	U		*0.0018*	0.0018	U		*0.0018*	0.0017	U		*0.0017*	0.0018	U		*0.0018*
2-Butanone	NAV	NAV	0.0039	U		*0.0039*	0.004	U		*0.004*	0.0039	U		*0.0039*	0.0038	U		*0.0038*	0.004	U		*0.004*
Carbon disulfide	NAV	NAV	0.0015	J		*0.0013*	0.0014	U		*0.0014*	0.0013	U		*0.0013*	0.0013	U		*0.0013*	0.0014	U		*0.0014*
SVOCs (mg/kg)																						
Acenaphthene	0.016	0.016	0.059	U		*0.059*	0.061	U		*0.061*	0.059	U		*0.059*	0.057	U		*0.057*	0.061	U		*0.061*
Anthracene	0.22	0.085	0.097			*0.0005*	0.053			*0.00052*	0.17			*0.0005*	0.045			*0.0024*	0.6			*0.0026*
Benzo(a)anthracene	0.32	0.261	0.55			*0.00038*	0.31			*0.00039*	0.7			*0.00037*	0.35			*0.0024*	0.83			*0.0026*
Benzo(a)pyrene	0.37	0.43	0.47			*0.00038*	0.28			*0.00039*	0.63			*0.00037*	0.28			*0.0024*	0.68			*0.0026*
Benzo(b)fluoranthene	10.4	1.8	0.55	J		*0.069*	0.38	J		*0.071*	0.74	J		*0.068*	0.42	J		*0.066*	0.79	J		*0.071*
Benzo(g,h,i)perylene	0.17	0.17	0.085	U		*0.085*	0.087	U		*0.087*	0.36	J		*0.084*	0.082	U		*0.082*	0.32	J		*0.087*
Benzo(k)fluoranthene	0.24	0.24	0.099	U		*0.099*	0.1	U		*0.1*	0.27	J		*0.098*	0.096	U		*0.096*	0.31	J		*0.1*
bis(2-Ethylhexyl)phthalate	0.182	0.18216	0.074	U		*0.074*	0.076	U		*0.076*	0.074	U		*0.074*	0.072	U		*0.072*	0.076	U		*0.076*
Chrysene	0.34	0.384	0.53	J		*0.095*	0.39	J		*0.098*	0.72	J		*0.094*	0.45	J		*0.092*	0.83	J		*0.098*
Dimethylphthalate	NAV	NAV	0.48	J		*0.057*	0.48	J		*0.058*	0.49	J		*0.056*	0.46	J		*0.055*	0.32	J		*0.058*
Fluoranthene	0.75	0.6	1	J		*0.042*	0.78	J		*0.043*	1.5	J		*0.042*	0.84	J		*0.041*	2.2			*0.043*
Fluorene	0.19	0.019	0.079	U		*0.079*	0.082	U		*0.082*	0.079	U		*0.079*	0.077	U		*0.077*	0.32	J		*0.082*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.07	U		*0.07*	0.072	U		*0.072*	0.34	J		*0.069*	0.068	U		*0.068*	0.36	J		*0.072*
Phenanthrene	0.56	0.24	0.38	J		*0.057*	0.45	J		*0.058*	0.79	J		*0.056*	0.38	J		*0.055*	1.9	J		*0.058*
Pyrene	0.49	0.665	0.9	J		*0.05*	0.67	J		*0.052*	1.4	J		*0.05*	0.84	J		*0.049*	1.5	J		*0.052*
Pesticides (mg/kg)																						
alpha-Chlordane	0.007	0.007	0.0014	JP		*0.00018*	0.0029	JP		*0.00018*	0.00017	U		*0.00017*	0.0014	JP		*0.00017*	0.0018	JP		*0.00018*
4,4'-DDD	0.008	0.002	0.0072	P		*0.00022*	0.008			*0.00022*	0.0077			*0.00021*	0.0091	P		*0.00021*	0.0053			*0.00022*
4,4'-DDE	0.005	0.0022	0.003			*0.00026*	0.0027			*0.00026*	0.0071			*0.00025*	0.0048			*0.00024*	0.0028			*0.00026*
4,4'-DDT	0.008	0.001	0.00018	U		*0.00018*	0.00018	U		*0.00018*	0.013			*0.00017*	0.0042	P		*0.00017*	0.0016	J		*0.00018*
PCBs (mg/kg)																						
Aroclor 1254	0.06	0.06	0.006	U		*0.006*	0.0061	U		*0.0061*	0.0058	U		*0.0058*	0.0057	U		*0.0057*	0.0061	U		*0.0061*

See Notes at end of Table

Table D-18
Analytes Detected in Landfill M-14 Sediment Samples
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Analyte	Sample ID / Sample Date		M14-SD6 6/15/10				M14-SD7 6/15/10				M14-SD8 6/15/10				M14-SD9 6/16/10				M14-SD10 6/16/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
Metals (mg/kg)																						
Aluminum	25500	18000	1530			*0.86*	1840			*0.81*	1380			*0.9*	869			*1.02*	1550			*0.86*
Antimony	3	9.3	0.57	U		*0.57*	0.54	U		*0.54*	0.6	U		*0.6*	0.68	U		*0.68*	0.57	U		*0.57*
Arsenic	6	8.2	1.08			*0.34*	1.47			*0.32*	2.75			*0.35*	1.13	J		*0.4*	1.8			*0.34*
Barium	NAV	48	3.71	J		*0.41*	8.48			*0.39*	3.23	J		*0.43*	3.47	J		*0.49*	5.91			*0.41*
Beryllium	NAV	NAV	0.29	J		*0.06*	0.35			*0.06*	0.28	J		*0.06*	0.18	J		*0.07*	0.42			*0.06*
Cadmium	0.6	1.2	0.5			*0.06*	0.38			*0.06*	0.55			*0.06*	0.41			*0.07*	1.08			*0.06*
Calcium	NAV	NAV	1140			*1.09*	1110			*1.03*	406			*1.14*	411			*1.3*	491			*1.09*
Chromium	26	81	17.2			*0.13*	20.9			*0.13*	11.5			*0.14*	7.47			*0.16*	18.6			*0.13*
Cobalt	50	10	1.3	J		*0.58*	1.5			*0.55*	1.42	J		*0.61*	1.42	J		*0.69*	1.85			*0.58*
Copper	16	34	13.7			*0.33*	43.2			*0.31*	3.62			*0.34*	10.2			*0.39*	5.57			*0.33*
Iron	NAV	NAV	6200			*1.36*	7250			*1.28*	5040			*1.42*	4250			*1.62*	6030			*1.35*
Lead	31	47	9.12			*0.4*	16.1			*0.38*	9.35			*0.42*	7.54			*0.48*	17.5			*0.4*
Magnesium	NAV	NAV	1020			*4.67*	950			*4.42*	674			*4.89*	434			*5.58*	658			*4.67*
Manganese	630	260	15.2			*0.19*	11			*0.18*	6.94			*0.2*	9.39			*0.23*	12.7			*0.19*
Mercury	0.2	0.15	0.039			*0.002*	0.032			*0.002*	0.01	J		*0.002*	0.003	J		*0.002*	0.012	J		*0.003*
Nickel	16	21	2.78			*0.47*	3.66			*0.44*	2.74			*0.49*	2.44			*0.56*	3.37			*0.47*
Potassium	NAV	NAV	948			*3.57*	1360			*3.37*	1020			*3.73*	372			*4.26*	899			*3.57*
Selenium	NAV	1	1.04			*0.42*	1.39			*0.4*	0.78	J		*0.44*	0.94	J		*0.5*	1.19			*0.42*
Silver	1	1	0.18	J		*0.15*	0.27	J		*0.14*	0.16	U		*0.16*	0.18	U		*0.18*	0.26	J		*0.15*
Sodium	NAV	NAV	1170			*2.57*	1130			*2.43*	990			*2.69*	415			*3.07*	390			*2.57*
Vanadium	NAV	57	10.4			*0.6*	11.2			*0.57*	9.57			*0.63*	7.5			*0.72*	9.87			*0.6*
Zinc	120	150	37.5			*0.71*	39			*0.67*	34.9			*0.75*	29.7			*0.85*	50.7			*0.71*
Misc. (mg/kg)																						
Total Organic Carbon	NAV	NAV	710			*250*	1100			*250*	720			*250*	2900			*250*	3000			*250*

See Notes at end of Table

Table D-18
Analytes Detected in Landfill M-14 Sediment Samples
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Analyte	Sample ID / Sample Date		M14-SD11 6/16/10				M14-SD12 6/28/10				M14-SD13 6/16/10			
	ESC													
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)														
Acetone	NAV	NAV	0.17	J		*0.025*	0.091	J		*0.028*	0.013	J		*0.0043*
Methylene chloride	0.159	NAV	0.012	U		*0.012*	0.013	J		*0.013*	0.002	U		*0.002*
2-Butanone	NAV	NAV	0.071	J		*0.026*	0.029	U		*0.029*	0.0044	U		*0.0044*
Carbon disulfide	NAV	NAV	0.016	J		*0.0088*	0.0098	U		*0.0098*	0.0015	U		*0.0015*
SVOCs (mg/kg)														
Acenaphthene	0.016	0.016	0.047	U		*0.047*	0.055	U		*0.055*	0.64	J		*0.062*
Anthracene	0.22	0.085	0.002	U		*0.002*	0.022			*0.0023*	0.0026	U		*0.0026*
Benzo(a)anthracene	0.32	0.261	0.002	U		*0.002*	0.0023	U		*0.0023*	0.031			*0.0026*
Benzo(a)pyrene	0.37	0.43	0.002	U		*0.002*	0.063			*0.0023*	0.026			*0.0026*
Benzo(b)fluoranthene	10.4	1.8	0.054	U		*0.054*	0.064	U		*0.064*	0.072	U		*0.072*
Benzo(g,h,i)perylene	0.17	0.17	0.067	U		*0.067*	0.079	U		*0.079*	0.089	U		*0.089*
Benzo(k)fluoranthene	0.24	0.24	0.078	U		*0.078*	0.092	U		*0.092*	0.1	U		*0.1*
bis(2-Ethylhexyl)phthalate	0.182	0.18216	0.059	U		*0.059*	0.069	U		*0.069*	0.078	U		*0.078*
Chrysene	0.34	0.384	0.075	U		*0.075*	0.089	U		*0.089*	0.099	U		*0.099*
Dimethylphthalate	NAV	NAV	1	J		*0.045*	2.4			*0.053*	0.37	J		*0.059*
Fluoranthene	0.75	0.6	0.033	U		*0.033*	0.039	U		*0.039*	0.044	U		*0.044*
Fluorene	0.19	0.019	0.063	U		*0.063*	0.074	U		*0.074*	0.083	U		*0.083*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.055	U		*0.055*	0.065	U		*0.065*	0.073	U		*0.073*
Phenanthrene	0.56	0.24	0.045	U		*0.045*	0.053	U		*0.053*	0.059	U		*0.059*
Pyrene	0.49	0.665	0.04	U		*0.04*	0.047	U		*0.047*	0.053	U		*0.053*
Pesticides (mg/kg)														
alpha-Chlordane	0.007	0.007	0.0007	U		*0.0007*	0.00082	U		*0.00082*	0.00018	U		*0.00018*
4,4'-DDD	0.008	0.002	0.00085	U		*0.00085*	0.001	U		*0.001*	0.0047			*0.00022*
4,4'-DDE	0.005	0.0022	0.001	U		*0.001*	0.0012	U		*0.0012*	0.0018	J		*0.00026*
4,4'-DDT	0.008	0.001	0.0007	U		*0.0007*	0.00082	U		*0.00082*	0.0014	J		*0.00018*
PCBs (mg/kg)														
Aroclor 1254	0.06	0.06	0.023	U		*0.023*	0.027	U		*0.027*	0.0061	U		*0.0061*

See Notes at end of Table

Table D-18
Analytes Detected in Landfill M-14 Sediment Samples
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Analyte	Sample ID / Sample Date		M14-SD11 6/16/10				M14-SD12 6/28/10				M14-SD13 6/16/10			
	ESC													
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
Metals (mg/kg)														
Aluminum	25500	18000	6770			*2.42*	10200			*4.05*	1250			*0.91*
Antimony	3	9.3	1.62	U		*1.62*	2.7	U		*2.7*	0.6	U		*0.6*
Arsenic	6	8.2	6.48			*0.95*	18.6			*1.59*	1.85			*0.36*
Barium	NAV	48	54			*1.15*	20.5	J		*1.93*	8.83			*0.43*
Beryllium	NAV	NAV	1.45			*0.17*	1.34	J		*0.29*	0.27	J		*0.06*
Cadmium	0.6	1.2	1.44			*0.17*	14			*0.29*	0.45			*0.06*
Calcium	NAV	NAV	4330			*3.09*	2510			*5.16*	781			*1.15*
Chromium	26	81	59.3			*0.37*	101			*0.63*	31.7			*0.14*
Cobalt	50	10	4.81			*1.64*	13.7			*2.75*	1.37	J		*0.61*
Copper	16	34	0.92	U		*0.92*	77.3			*1.54*	4.38			*0.35*
Iron	NAV	NAV	22700			*3.84*	37800			*6.41*	6930			*1.43*
Lead	31	47	10.1			*1.12*	171			*1.88*	8.61			*0.42*
Magnesium	NAV	NAV	1570			*13.2*	6410			*22.1*	554			*4.94*
Manganese	630	260	81.7			*0.55*	197			*0.92*	122			*0.2*
Mercury	0.2	0.15	0.011	J		*0.01*	0.011	U		*0.011*	0.006	J		*0.003*
Nickel	16	21	11.6			*1.33*	29.2			*2.22*	2.39			*0.5*
Potassium	NAV	NAV	1930			*10.1*	5100			*16.9*	534			*3.77*
Selenium	NAV	1	4.97			*1.18*	5.99			*1.98*	1.2			*0.44*
Silver	1	1	0.43	U		*0.43*	3.54			*0.72*	0.16	U		*0.16*
Sodium	NAV	NAV	405			*7.27*	30200			*12.1*	200			*2.72*
Vanadium	NAV	57	42			*1.7*	61.1			*2.84*	10.4			*0.64*
Zinc	120	150	68.7			*2.02*	218			*3.37*	36.8			*0.75*
Misc. (mg/kg)														
Total Organic Carbon	NAV	NAV	18000			*250*	6200			*250*	3300			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
B = The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-19
Analytes Detected in Site M-15 Surface Water Samples
Page 1 of 2

Analyte ESC	Sample ID / Sample Date / ESC		M15-SW1 6/14/10				M15-SW1-Diss 6/14/10				M15-SW2 6/14/10			
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected													
SVOCs (ug/L)														
Anthracene	0.035	NAV	0.1	J		*0.012*	NT				1.1			*0.012*
Benzo(a)anthracene	0.025	NAV	0.012	U		*0.012*	NT				0.02	J		*0.012*
Pesticides (ug/L)	None detected													
PCBs (ug/L)	None detected													
Metals (ug/L)														
Aluminum	NAV	NAV	160			*6.5*	20.1	J		*6.5*	107			*6.5*
Arsenic	150	36	12			*4.2*	13.1			*4.2*	13.3			*4.2*
Barium	220	NAV	43.9	J		*4*	41.4	J		*4*	34.5	J		*4*
Cadmium	NAV	8.8	0.65	J		*0.5*	0.55	J		*0.5*	0.5	U		*0.5*
Calcium	NAV	NAV	216000			*31.8*	144000			*31.8*	219000			*31.8*
Iron	NAV	NAV	629			*20.4*	68.4			*20.4*	465			*20.4*
Lead	5.4	24	6.52			*2.6*	5.33	J		*2.6*	8.32			*2.6*
Magnesium	NAV	NAV	728000			*32.5*	462000			*32.5*	734000			*32.5*
Manganese	NAV	NAV	75.1			*1.7*	88.7			*1.7*	73.1			*1.7*
Nickel	NAV	22	6.22	J		*4.2*	5.9	J		*4.2*	6.42	J		*4.2*
Potassium	NAV	NAV	245000			*38.8*	153000			*38.8*	245000			*38.8*
Sodium	NAV	NAV	5300000			*139*	3440000			*139*	5370000			*139*
Thallium	10	NAV	16.7	J		*2.4*	12.8	J		*2.4*	15.6	J		*2.4*
Vanadium	12	NAV	6.1	U		*6.1*	6.1	U		*6.1*	6.1	U		*6.1*
Zinc	NAV	81	42.6			*6.5*	31.7			*6.5*	34.8			*6.5*
Misc. (ug/L)														
Hardness	NAV	NAV	3537022			*105*	NT				3567878			*105*

See Notes at end of Table

Table D-19
Analytes Detected in Site M-15 Surface Water Samples
Page 2 of 2

Analyte	Sample ID / Sample Date		M15-SW2-Diss 6/14/10				M15-SW4 6/14/10				M15-SW4-Diss 6/14/10			
ESC	ESC													
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected													
SVOCs (ug/L)														
Anthracene	0.035	NAV	NT				1.1			*0.012*	NT			
Benzo(a)anthracene	0.025	NAV	NT				0.02	J		*0.012*	NT			
Pesticides (ug/L)	None detected													
PCBs (ug/L)	None detected													
Metals (ug/L)														
Aluminum	NAV	NAV	25.7	J		*6.5*	624			*6.5*	15.9	J		*6.5*
Arsenic	150	36	15			*4.2*	13			*4.2*	11.8			*4.2*
Barium	220	NAV	33.5	J		*4*	47.4	J		*4*	40	J		*4*
Cadmium	NAV	8.8	0.57	J		*0.5*	0.77	J		*0.5*	0.5	U		*0.5*
Calcium	NAV	NAV	214000			*31.8*	211000			*31.8*	204000			*31.8*
Iron	NAV	NAV	50	J		*20.4*	1910			*20.4*	35.8	J		*20.4*
Lead	5.4	24	2.98	J		*2.6*	9.71			*2.6*	3.4	J		*2.6*
Magnesium	NAV	NAV	720000			*32.5*	709000			*32.5*	687000			*32.5*
Manganese	NAV	NAV	33.9			*1.7*	80.7			*1.7*	46.1			*1.7*
Nickel	NAV	22	7.91	J		*4.2*	5.69	J		*4.2*	6.75	J		*4.2*
Potassium	NAV	NAV	248000			*38.8*	242000			*38.8*	236000			*38.8*
Sodium	NAV	NAV	5690000			*139*	5240000			*139*	5170000			*139*
Thallium	10	NAV	16.4	J		*2.4*	17.4	J		*2.4*	16.4	J		*2.4*
Vanadium	12	NAV	6.1	U		*6.1*	6.88	J		*6.1*	6.1	U		*6.1*
Zinc	NAV	81	38.1			*6.5*	53.2			*6.5*	31			*6.5*
Misc. (ug/L)														
Hardness	NAV	NAV	NT				3445326			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantiation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc not calculated in saline water.

Table D-20
Analytes Detected in Site M-15 Sediment Samples

Analyte	Sample ID / Sample Date		M15-SD1 6/14/10				M15-SD2 6/14/10				M15-SD3 6/14/10				M15-SD4 6/14/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																		
Acetone	NAV	NAV	0.033	J		*0.0062*	0.013	J		*0.0042*	0.0042	U		*0.0042*	0.018	J		*0.0048*
Methylene chloride	0.159	NAV	0.0029	U		*0.0029*	0.002	U		*0.002*	0.0022	J		*0.002*	0.0027	J		*0.0023*
Toluene	2.5	2.5	0.0013	U		*0.0013*	0.00089	U		*0.00089*	0.12			*0.0009*	0.001	U		*0.001*
2-Butanone	NAV	NAV	0.01	J		*0.0064*	0.0043	U		*0.0043*	0.0044	U		*0.0044*	0.005	U		*0.005*
Carbon disulfide	NAV	NAV	0.0028	J		*0.0022*	0.0033	J		*0.0015*	0.0016	J		*0.0015*	0.0017	U		*0.0017*
SVOCs (mg/kg)																		
Anthracene	0.22	0.085	0.006	J		*0.0008*	0.00055	U		*0.00055*	0.00055	U		*0.00055*	0.013			*0.00063*
Benzo(a)anthracene	0.32	0.261	0.0087			*0.0006*	0.032			*0.00041*	0.029			*0.00042*	0.05			*0.00047*
Benzo(a)pyrene	0.37	0.43	0.039			*0.0006*	0.02			*0.00041*	0.017			*0.00042*	0.05			*0.00047*
Dimethylphthalate	NAV	NAV	0.68			*0.018*	0.45			*0.012*	0.49			*0.012*	0.42	J		*0.014*
Fluoranthene	0.75	0.6	0.013	U		*0.013*	0.0092	U		*0.0092*	0.0093	U		*0.0093*	0.097	J		*0.011*
Pyrene	0.49	0.665	0.016	U		*0.016*	0.011	U		*0.011*	0.011	U		*0.011*	0.081	J		*0.013*
Pesticides (mg/kg)																		
4,4'-DDT	0.008	0.001	0.00028	U		*0.00028*	0.0041			*0.00019*	0.00019	U		*0.00019*	0.00022	U		*0.00022*
PCBs (mg/kg)	None detected																	
Metals (mg/kg)																		
Aluminum	25500	18000	10800			*1.47*	6950			*0.85*	5570			*1.14*	9290			*1.31*
Antimony	3	9.3	1.55	J		*0.98*	0.88	J		*0.57*	1.16	J		*0.76*	0.87	U		*0.87*
Arsenic	6	8.2	14.9			*0.58*	10.6			*0.33*	7.73			*0.45*	12			*0.51*
Barium	NAV	48	24.7			*0.7*	8.82			*0.4*	5.27	J		*0.54*	11.9			*0.62*
Beryllium	NAV	NAV	1.68			*0.11*	1.07			*0.06*	1.09			*0.08*	1.53			*0.09*
Cadmium	0.6	1.2	2.66			*0.11*	2.97			*0.06*	1.31			*0.08*	2.19			*0.09*
Calcium	NAV	NAV	1690			*1.88*	1050			*1.08*	2360			*1.45*	986			*1.66*
Chromium	26	81	95.5			*0.23*	62.3			*0.13*	59.9			*0.18*	76.8			*0.2*
Cobalt	50	10	6.4			*1*	5.28			*0.58*	3.25			*0.77*	5.74			*0.89*
Copper	16	34	13.4			*0.56*	12.2			*0.32*	4.85			*0.43*	13.6			*0.5*
Iron	NAV	NAV	48900			*2.34*	28100			*1.34*	25300			*1.81*	35100			*2.07*
Lead	31	47	59.7			*0.68*	108			*0.39*	21.5			*0.53*	38.4			*0.61*
Magnesium	NAV	NAV	4910			*8.04*	3710			*4.63*	3020			*6.22*	4030			*7.12*
Manganese	630	260	49.2			*0.33*	32.4			*0.19*	17.7			*0.26*	35.8			*0.3*
Mercury	0.2	0.15	0.249			*0.004*	0.16			*0.003*	0.097			*0.002*	0.293			*0.003*
Nickel	16	21	15.5			*0.81*	9.76			*0.46*	6.76			*0.62*	14.6			*0.71*
Potassium	NAV	NAV	7970			*6.15*	6630			*3.54*	6530			*4.75*	7960			*5.44*
Selenium	NAV	1	6.98			*0.72*	4.21			*0.41*	3.79			*0.56*	5.85			*0.64*
Silver	1	1	1.37			*0.26*	1.44			*0.15*	0.69			*0.2*	1.25			*0.23*
Sodium	NAV	NAV	2920			*4.42*	2960			*2.55*	2440			*3.42*	1490			*3.92*
Thallium	NAV	NAV	0.67	J		*0.47*	0.27	U		*0.27*	0.37	U		*0.37*	0.56	J		*0.42*
Vanadium	NAV	57	83.2			*1.04*	34.9			*0.6*	33.4			*0.8*	48.4			*0.92*
Zinc	120	150	178			*1.23*	262			*0.71*	76.7			*0.95*	143			*1.09*
Misc. (mg/kg)																		
Total Organic Carbon	NAV	NAV	6800			*250*	6000			*250*	4200			*250*	6000			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-21
Analytes Detected in Site M-16 Surface Water Samples
Page 1 of 2

Analyte	Sample ID / Sample Date		M16-SW1 6/23/10				M16-SW1-Diss 6/23/10				M16-SW2 6/23/10			
	ESC													
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected													
SVOCs (ug/L)	None detected													
Pesticides (ug/L)	None detected													
PCBs (ug/L)	None detected													
Metals (ug/L)														
Aluminum	NAV	NAV	101			*6.5*	18.6	J		*6.5*	117			*6.5*
Arsenic	150	36	4.2	U		*4.2*	7.3	J		*4.2*	6.56	J		*4.2*
Barium	220	NAV	35.1	J		*4*	33.4	J		*4*	35.5	J		*4*
Cadmium	NAV	8.8	0.5	U		*0.5*	0.5	U		*0.5*	0.5	U		*0.5*
Calcium	NAV	NAV	217000			*31.8*	214000			*31.8*	196000			*31.8*
Iron	NAV	NAV	925			*20.4*	95			*20.4*	1040			*20.4*
Lead	5.4	24	3.94	J		*2.6*	7.37			*2.6*	4.08	J		*2.6*
Magnesium	NAV	NAV	722000			*32.5*	708000			*32.5*	648000			*32.5*
Manganese	NAV	NAV	109			*1.7*	102			*1.7*	103			*1.7*
Nickel	NAV	22	4.2	U		*4.2*	5.82	J		*4.2*	4.2	U		*4.2*
Potassium	NAV	NAV	243000			*38.8*	221000			*38.8*	215000			*38.8*
Sodium	NAV	NAV	4990000	D		*139*	5080000	D		*139*	4730000	D		*139*
Thallium	10	NAV	5.19	J		*2.4*	7.31	J		*2.4*	2.4	U		*2.4*
Zinc	NAV	81	39.7			*6.5*	37.5			*6.5*	35.6			*6.5*
Misc. (ug/L)														
Hardness	NAV	NAV	3898662			*117*	NT				3506789			*117*

See Notes at end of Table

Table D-21
Analytes Detected in Site M-16 Surface Water Samples
Page 2 of 2

Analyte	Sample ID / Sample Date		M16-SW2-Diss 6/23/10				M16-SW4 6/23/10				M16-SW4-Diss 6/23/10			
	ESC													
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected													
SVOCs (ug/L)	None detected													
Pesticides (ug/L)	None detected													
PCBs (ug/L)	None detected													
Metals (ug/L)														
Aluminum	NAV	NAV	22	J		*6.5*	277			*6.5*	35.6	J		*6.5*
Arsenic	150	36	5.37	J		*4.2*	4.2	U		*4.2*	4.93	J		*4.2*
Barium	220	NAV	36	J		*4*	35.8	J		*4*	37.6	J		*4*
Cadmium	NAV	8.8	0.59	J		*0.5*	0.5	U		*0.5*	0.5	U		*0.5*
Calcium	NAV	NAV	209000			*31.8*	192000			*31.8*	208000			*31.8*
Iron	NAV	NAV	87.4			*20.4*	1380			*20.4*	113			*20.4*
Lead	5.4	24	7.35			*2.6*	6.83			*2.6*	6.61			*2.6*
Magnesium	NAV	NAV	686000			*32.5*	633000			*32.5*	683000			*32.5*
Manganese	NAV	NAV	104			*1.7*	100			*1.7*	100			*1.7*
Nickel	NAV	22	4.2	U		*4.2*	4.2	U		*4.2*	6.35	J		*4.2*
Potassium	NAV	NAV	215000			*38.8*	216000			*38.8*	211000			*38.8*
Sodium	NAV	NAV	5000000	D		*139*	4650000	D		*139*	4930000	D		*139*
Thallium	10	NAV	3.24	J		*2.4*	2.4	U		*2.4*	5.59	J		*2.4*
Zinc	NAV	81	43.4			*6.5*	47.1			*6.5*	48.3			*6.5*
Misc. (ug/L)														
Hardness	NAV	NAV	NT				3427006			*117*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc not calculated in saline water.

Table D-22
Analytes Detected in Site M-16 Sediment Samples

Analyte	Sample ID / Sample Date		M16-SD1 6/14/10				M16-SD2 6/14/10				DUP-SD01 6/14/10				M16-SD3 6/14/10				M16-SD4 6/14/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																						
Acetone	NAV	NAV	0.0038	U		*0.0038*	0.36	J		*0.05*	0.16	J		*0.023*	0.082	J		*0.019*	0.013	J		*0.0046*
Methyl-tert-butyl ether	NAV	NAV	0.0012	U		*0.0012*	0.016	U		*0.016*	0.043			*0.0072*	0.063			*0.006*	0.0015	U		*0.0015*
Methylene chloride	0.159	NAV	0.0018	U		*0.0018*	0.023	U		*0.023*	0.013	J		*0.011*	0.0093	J		*0.0089*	0.0032	J		*0.0022*
tert-Butyl alcohol	NAV	NAV	0.0093	U		*0.0093*	0.12	U		*0.12*	0.078	J		*0.056*	0.092	J		*0.046*	0.011	U		*0.011*
2-Butanone	NAV	NAV	0.0039	U		*0.0039*	0.13	J		*0.051*	0.054	J		*0.023*	0.019	U		*0.019*	0.0048	U		*0.0048*
Carbon disulfide	NAV	NAV	0.0013	U		*0.0013*	0.093			*0.018*	0.058			*0.008*	0.024	J		*0.0066*	0.0024	J		*0.0016*
SVOCs (mg/kg)																						
Anthracene	0.22	0.085	0.0045			*0.00049*	0.0017	U		*0.0017*	0.0015	U		*0.0015*	0.0016	U		*0.0016*	0.0025	J		*0.0006*
Benzo(a)anthracene	0.32	0.261	0.03			*0.00037*	0.08			*0.0012*	0.015			*0.0012*	0.081			*0.0012*	0.034			*0.00045*
Benzo(a)pyrene	0.37	0.43	0.036			*0.00037*	0.043			*0.0012*	0.074			*0.0012*	0.045			*0.0012*	0.021			*0.00045*
Dimethylphthalate	NAV	NAV	0.43			*0.011*	1.4			*0.037*	1.2	J		*0.035*	1.3			*0.036*	0.55			*0.014*
Fluoranthene	0.75	0.6	0.12	J		*0.0083*	0.028	U		*0.028*	0.026	U		*0.026*	0.027	U		*0.027*	0.01	U		*0.01*
Hexachlorobutadiene	0.0265	0.0013	0.00049	U		*0.00049*	0.0017	U		*0.0017*	0.0015	U		*0.0015*	0.008	J		*0.0016*	0.0006	U		*0.0006*
Pyrene	0.49	0.665	0.1	J		*0.0099*	0.033	U		*0.033*	0.031	U		*0.031*	0.032	U		*0.032*	0.012	U		*0.012*
Pesticides (mg/kg)																						
4,4'-DDD	0.008	0.002	0.00021	U		*0.00021*	0.00071	U		*0.00071*	0.00068	U		*0.00068*	0.00068	U		*0.00068*	0.0014	JP		*0.00026*
PCBs (mg/kg)	None detected																					
Metals (mg/kg)																						
Aluminum	25500	18000	665			*0.67*	16200			*3.46*	16800			*3.29*	17500			*2.79*	10200			*0.71*
Antimony	3	9.3	0.44	U		*0.44*	2.3	U		*2.3*	2.2	U		*2.2*	3	J		*1.86*	1.4	J		*0.47*
Arsenic	6	8.2	0.99			*0.26*	20			*1.36*	24.5			*1.29*	24			*1.1*	15.1			*0.28*
Barium	NAV	48	3.48	J		*0.32*	35.3			*1.65*	38.3			*1.57*	40.1			*1.33*	42.4			*0.34*
Beryllium	NAV	NAV	0.08	J		*0.05*	2.28			*0.25*	2.4			*0.24*	2.53			*0.2*	1.54			*0.05*
Cadmium	0.6	1.2	0.21	J		*0.05*	9.71			*0.25*	11.3			*0.24*	12.3			*0.2*	10.8			*0.05*
Calcium	NAV	NAV	348			*0.85*	7010			*4.4*	3840			*4.2*	6640			*3.55*	1410			*0.91*
Chromium	26	81	6.66			*0.1*	129			*0.53*	144			*0.51*	144			*0.43*	117			*0.11*
Cobalt	50	10	0.45	U		*0.45*	12.5			*2.35*	12.5			*2.24*	13.6			*1.89*	3.45			*0.48*
Copper	16	34	4.16			*0.25*	121			*1.32*	119			*1.25*	124			*1.06*	42.3			*0.27*
Iron	NAV	NAV	3380			*1.06*	60500			*5.47*	61900			*5.22*	63400			*4.42*	35100			*1.13*
Lead	31	47	5.53			*0.31*	178			*1.6*	196			*1.53*	212			*1.29*	74.5			*0.33*
Magnesium	NAV	NAV	322			*3.64*	7750			*18.8*	7350			*18*	7660			*15.2*	4890			*3.88*
Manganese	630	260	10.3			*0.15*	170			*0.78*	169			*0.75*	177			*0.63*	38.9			*0.16*
Mercury	0.2	0.15	0.024			*0.002*	0.451			*0.008*	0.502			*0.007*	0.462			*0.008*	0.145			*0.003*
Nickel	16	21	0.76	J		*0.37*	30.7			*1.89*	32.6			*1.8*	35.2			*1.53*	12.8			*0.39*
Potassium	NAV	NAV	365			*2.78*	7800			*14.4*	8300			*13.7*	8580			*11.6*	9520			*2.97*
Selenium	NAV	1	0.53	J		*0.33*	11			*1.69*	10.8			*1.61*	10.6			*1.36*	5.32			*0.35*
Silver	1	1	0.12	J		*0.12*	5.49			*0.62*	5.91			*0.59*	6.44			*0.5*	3.78			*0.13*
Sodium	NAV	NAV	616			*2*	15700			*10.4*	9800			*9.88*	10200			*8.37*	3400			*2.14*
Thallium	NAV	NAV	0.21	U		*0.21*	1.11	U		*1.11*	1.06	U		*1.06*	0.9	U		*0.9*	0.76	J		*0.23*
Vanadium	NAV	57	4.17			*0.47*	81.9			*2.43*	106			*2.31*	89			*1.96*	52.3			*0.5*
Zinc	120	150	18.5			*0.56*	465			*2.88*	475			*2.75*	500			*2.32*	160			*0.59*
Misc. (mg/kg)																						
Total Organic Carbon	NAV	NAV	3300			*250*	11000			*250*	9600			*250*	10000			*250*	6500			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-23
Analytes Detected in Site M-18 Surface Water Samples

Analyte	Sample ID / Sample Date		M18-SW3 6/22/10				M18-SW3-Diss 6/22/10				M18-SW5 6/17/10				M18-SW5-Diss 6/17/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected																	
SVOCs (ug/L)	None detected																	
Pesticides (ug/L)	None detected																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	64.4			*6.5*	20.8	J		*6.5*	166			*6.5*	11	J		*6.5*
Arsenic	150	36	4.2	U		*4.2*	8.1	J		*4.2*	7.02	J		*4.2*	4.34	J		*4.2*
Barium	220	NAV	67.7			*4*	63.5			*4*	62.8			*4*	58.6			*4*
Calcium	NAV	NAV	92300			*31.8*	90300			*31.8*	59800			*31.8*	58100			*31.8*
Iron	NAV	NAV	1700			*20.4*	199			*20.4*	2720			*20.4*	516			*20.4*
Lead	5.4	24	8.71			*2.6*	6.38			*2.6*	11.2			*2.6*	8.15			*2.6*
Magnesium	NAV	NAV	234000			*32.5*	234000			*32.5*	113000			*32.5*	107000			*32.5*
Manganese	NAV	NAV	145			*1.7*	137			*1.7*	145			*1.7*	136			*1.7*
Mercury	0.77	0.94	0.09	U		*0.09*	0.09	U		*0.09*	0.1	J		*0.09*	0.09	U		*0.09*
Nickel	NAV	22	7.67	J		*4.2*	7.52	J		*4.2*	8.6	J		*4.2*	8.64	J		*4.2*
Potassium	NAV	NAV	78800			*38.8*	77900			*38.8*	37700			*38.8*	36300			*38.8*
Sodium	NAV	NAV	1760000			*13.9*	1760000			*13.9*	876000			*13.9*	847000			*13.9*
Thallium	10	NAV	5.15	J		*2.4*	6.34	J		*2.4*	6.11	J		*2.4*	7.69	J		*2.4*
Zinc	NAV	81	46.1			*6.5*	44.4			*6.5*	65			*6.5*	57.5			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	829715			*105*	NT				613267			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc not calculated in saline water

Table D-24
Analytes Detected in Site M-18 Sediment Samples

Analyte	Sample ID / Sample Date		M18-SD1 6/16/10				M18-SD2 6/17/10				M18-SD3 6/16/10				M18-SD4 6/24/10				M18-SD5 6/17/10			
	ESC																					
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																						
Acetone	NAV	NAV	0.095	J		*0.037*	0.017	J		*0.0094*	0.024	J		*0.0059*	0.0042	U		*0.0042*	0.016	J		*0.0038*
Methylene chloride	0.159	NAV	0.017	U		*0.017*	0.0067	J		*0.0044*	0.0028	U		*0.0028*	0.002	U		*0.002*	0.0031	J		*0.0018*
Carbon disulfide	NAV	NAV	0.049	J		*0.013*	0.0033	U		*0.0033*	0.0093	J		*0.0021*	0.0015	U		*0.0015*	0.0019	J		*0.0013*
SVOCs (mg/kg)																						
Benzo(a)anthracene	0.32	0.261	0.0079	J		*0.0019*	0.027			*0.00094*	0.0057			*0.00069*	0.00042	U		*0.00042*	0.00038	U		*0.00038*
Benzo(a)pyrene	0.37	0.43	0.0079	J		*0.0019*	0.034			*0.00094*	0.0057			*0.00069*	0.00042	U		*0.00042*	0.0021	J		*0.00038*
Benzoic acid	NAV	NAV	0.69	J		*0.31*	0.21	U		*0.21*	0.44	J		*0.11*	0.092	U		*0.092*	0.083	U		*0.083*
Dimethylphthalate	NAV	NAV	1.2	J		*0.043*	1.1			*0.028*	0.39	J		*0.015*	0.54			*0.012*	0.39	J		*0.011*
Pesticides (mg/kg)	None detected																					
PCBs (mg/kg)	None detected																					
Metals (mg/kg)																						
Aluminum	25500	18000	10300			*3.54*	9930			*1.91*	5910			*0.91*	11400			*0.96*	3080			*0.69*
Antimony	3	9.3	2.36	U		*2.36*	2.36	J		*1.27*	1.05	J		*0.61*	1.52	J		*0.64*	0.46	U		*0.46*
Arsenic	6	8.2	22.8			*1.39*	7.74			*0.75*	11.9			*0.36*	3.73			*0.38*	2.57			*0.27*
Barium	NAV	48	39			*1.68*	23.9			*0.91*	33			*0.43*	14.2			*0.46*	6.09			*0.33*
Beryllium	NAV	NAV	1.64			*0.25*	2.6			*0.14*	1			*0.06*	1.99			*0.07*	0.77			*0.05*
Cadmium	0.6	1.2	5.65			*0.25*	4.07			*0.14*	3.56			*0.06*	3.38			*0.07*	0.65			*0.05*
Calcium	NAV	NAV	3130			*4.51*	1220			*2.43*	1030			*1.16*	293			*1.22*	159			*0.88*
Chromium	26	81	84.6			*0.55*	101			*0.3*	75			*0.14*	132			*0.15*	37.5			*0.11*
Cobalt	50	10	56			*2.4*	11.6			*1.29*	9.86			*0.62*	2.98			*0.65*	1.34			*0.47*
Copper	16	34	82.9			*1.35*	5.23			*0.73*	30.2			*0.35*	0.37	U		*0.37*	0.26	U		*0.26*
Iron	NAV	NAV	55100			*5.6*	63000			*3.02*	31900			*1.44*	43300			*1.52*	15800			*1.09*
Lead	31	47	166			*1.64*	43.4			*0.89*	67.7			*0.42*	4.22			*0.45*	3.31			*0.32*
Magnesium	NAV	NAV	5540			*19.3*	6220			*10.4*	2450			*4.95*	6780			*5.24*	1600			*3.76*
Manganese	630	260	230			*0.8*	44.1			*0.43*	23			*0.21*	7.35			*0.22*	6.72			*0.16*
Mercury	0.2	0.15	0.669			*0.009*	0.591			*0.006*	0.646			*0.003*	0.031			*0.003*	0.009	J		*0.002*
Nickel	16	21	45.1			*1.94*	22.3			*1.04*	14.5			*0.5*	7.5			*0.53*	4.09			*0.38*
Potassium	NAV	NAV	4920			*14.7*	14300			*7.94*	4250			*3.78*	19400			*4.01*	4590			*2.87*
Selenium	NAV	1	12.3			*1.73*	9.38			*0.93*	5.27			*0.44*	6.16			*0.47*	2.47			*0.34*
Silver	1	1	27.9			*0.63*	0.34	U		*0.34*	26.1			*0.16*	0.17	U		*0.17*	0.12	U		*0.12*
Sodium	NAV	NAV	15800			*10.6*	7070			*5.72*	2820			*2.72*	1640			*2.88*	250			*2.07*
Thallium	NAV	NAV	1.14	U		*1.14*	0.79	J		*0.61*	0.29	U		*0.29*	0.31	U		*0.31*	0.41	J		*0.22*
Vanadium	NAV	57	63			*2.48*	54.5			*1.34*	34.2			*0.64*	34.7			*0.68*	21.3			*0.48*
Zinc	120	150	358			*2.95*	215			*1.59*	187			*0.76*	90.5			*0.8*	25.8			*0.57*
Misc. (mg/kg)																						
Total Organic Carbon	NAV	NAV	17000			*250*	4200			*250*	11000			*250*	1100			*250*	2800			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-25
Analytes Detected in Site M-20 Surface Water Samples

Analyte	Sample ID / Sample Date		M20-SW1 6/23/10				M20-SW1-Diss 6/23/10				M20-SW2 6/23/10				M20-SW2-Diss 6/23/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected																	
SVOCs (ug/L)																		
Dimethylphthalate	NAV	NAV	8.8	J		*0.23*	NT				5.1	J		*0.23*	NT			
Pesticides (ug/L)	None detected																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	246			*6.5*	6.5	U		*6.5*	260			*6.5*	6.5	U		*6.5*
Arsenic	150	36	4.2	U		*4.2*	4.92	J		*4.2*	4.2	U		*4.2*	5.2	J		*4.2*
Barium	220	NAV	41.1	J		*4*	42.2	J		*4*	41.3	J		*4*	40.8	J		*4*
Calcium	NAV	NAV	219000			*31.8*	233000			*31.8*	226000			*31.8*	238000			*31.8*
Chromium	NAV	50	1.96	J		*1.1*	1.1	U		*1.1*	1.1	U		*1.1*	1.1	U		*1.1*
Iron	NAV	NAV	1230			*20.4*	65.8			*20.4*	1380			*20.4*	65.8			*20.4*
Lead	5.4	24	7.34			*2.6*	6.33			*2.6*	3	J		*2.6*	4.71	J		*2.6*
Magnesium	NAV	NAV	725000			*32.5*	774000			*32.5*	747000			*32.5*	794000			*32.5*
Manganese	NAV	NAV	120			*1.7*	122			*1.7*	123			*1.7*	124			*1.7*
Nickel	NAV	22	5.46	J		*4.2*	5.1	J		*4.2*	4.5	J		*4.2*	4.2	U		*4.2*
Potassium	NAV	NAV	254000			*38.8*	255000			*38.8*	263000			*38.8*	255000			*38.8*
Sodium	NAV	NAV	5530000	D		*139*	5630000	D		*139*	5460000	D		*139*	5570000	D		*139*
Thallium	10	NAV	2.4	U		*2.4*	4.81	J		*2.4*	2.4	U		*2.4*	3.17	J		*2.4*
Zinc	NAV	81	45.3			*6.5*	42.2			*6.5*	40.4			*6.5*	42.7			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	3922267			*117*	NT				4040922			*117*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc not calculated in saline water.

Table D-26
Analytes Detected in Site M-20 Sediment Samples

Analyte	Sample ID / Sample Date		M20-SD1 6/23/10				M20-SD2 6/23/10			
	ESC									
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)										
Acetone	NAV	NAV	0.0055	U		*0.0055*	0.036	J		*0.0084*
Methylene chloride	0.159	NAV	0.0043	J		*0.0026*	0.004	U		*0.004*
SVOCs (mg/kg)										
Anthracene	0.22	0.085	0.0037	J		*0.00074*	0.00078	U		*0.00078*
Benzo(a)anthracene	0.32	0.261	0.01			*0.00055*	0.0065			*0.00059*
Benzo(a)pyrene	0.37	0.43	0.02			*0.00055*	0.019			*0.00059*
Dimethylphthalate	NAV	NAV	0.55	J		*0.017*	0.48	J		*0.018*
Pesticides (mg/kg)	None detected									
PCBs (mg/kg)	None detected									
Metals (mg/kg)										
Aluminum	25500	18000	6080			*0.98*	15200			*1.33*
Antimony	3	9.3	0.96	J		*0.65*	1.74	J		*0.89*
Arsenic	6	8.2	9.36			*0.38*	23.8			*0.52*
Barium	NAV	48	12.8			*0.46*	22.3			*0.63*
Beryllium	NAV	NAV	1.24			*0.07*	1.84			*0.1*
Cadmium	0.6	1.2	1.31			*0.07*	2.87			*0.1*
Calcium	NAV	NAV	863			*1.24*	967			*1.7*
Chromium	26	81	67.6			*0.15*	99.4			*0.21*
Cobalt	50	10	4.7			*0.66*	11.4			*0.9*
Copper	16	34	11.9			*0.37*	71.2			*0.51*
Iron	NAV	NAV	30300			*1.55*	44500			*2.11*
Lead	31	47	33.4			*0.45*	59.4			*0.62*
Magnesium	NAV	NAV	3190			*5.32*	3630			*7.26*
Manganese	630	260	27.6			*0.22*	37.4			*0.3*
Mercury	0.2	0.15	0.108			*0.003*	0.322			*0.003*
Nickel	16	21	9.79			*0.53*	21.6			*0.73*
Potassium	NAV	NAV	6010			*4.07*	6320			*5.54*
Selenium	NAV	1	4.04			*0.48*	6.86			*0.65*
Silver	1	1	1.35			*0.17*	8.07			*0.24*
Sodium	NAV	NAV	3130			*2.93*	576			*3.99*
Thallium	NAV	NAV	0.68	J		*0.31*	0.72	J		*0.43*
Vanadium	NAV	57	35.7			*0.69*	60.9			*0.93*
Zinc	120	150	79.8			*0.81*	184			*1.11*
Misc. (mg/kg)										
Total Organic Carbon	NAV	NAV	4400			*250*	5400			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-27
Analytes Detected in Site M-59 Parcel 43 Surface Water Samples

Analyte	Sample ID / Sample Date		P43-SW2 6/22/10				P43-SW2-Diss 6/22/10				P43-SW3 6/22/10				P43-SW3-Diss 6/22/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																		
cis-1,2-Dichloroethene	NAV	NAV	1.2	J		*0.35*	NT				1.6	J		*0.35*	NT			
Tetrachloroethene	45	NAV	0.81	J		*0.27*	NT				0.91	J		*0.27*	NT			
SVOCs (ug/L)																		
Anthracene	0.035	NAV	0.12			*0.013*	NT				0.12			*0.012*	NT			
Benzo(a)anthracene	0.025	NAV	0.23			*0.013*	NT				0.24			*0.012*	NT			
Benzo(a)pyrene	0.014	NAV	0.01	U		*0.01*	NT				0.31			*0.009*	NT			
Benzoic acid	NAV	NAV	16			*2.1*	NT				2.1	U		*2.1*	NT			
3,3'-Dichlorobenzidine	4.5	NAV	0.021	U		*0.021*	NT				0.57			*0.021*	NT			
1,2,4-Trichlorobenzene	30	NAV	0.56			*0.021*	NT				0.55			*0.021*	NT			
Pesticides (ug/L)	Samples were not tested for this group.																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	65			*6.5*	6.5	U		*6.5*	49.6	J		*6.5*	6.5	U		*6.5*
Barium	220	NAV	63.6			*4*	65.6			*4*	65.4			*4*	62.9			*4*
Calcium	NAV	NAV	29800			*31.8*	31800			*31.8*	30500			*31.8*	30500			*31.8*
Iron	NAV	NAV	2350			*20.4*	731			*20.4*	2070			*20.4*	588			*20.4*
Lead	5.4	24	6.8			*2.6*	7.2			*2.6*	7.76			*2.6*	11.5			*2.6*
Magnesium	NAV	NAV	4510			*32.5*	4850			*32.5*	4740			*32.5*	4690			*32.5*
Manganese	NAV	NAV	89.3			*1.7*	89.7			*1.7*	88			*1.7*	84.3			*1.7*
Nickel	42	22	8.38	J		*4.2*	7.41	J		*4.2*	8.72	J		*4.2*	8.17	J		*4.2*
Potassium	NAV	NAV	3420			*38.8*	3580			*38.8*	3510			*38.8*	3420			*38.8*
Sodium	NAV	NAV	49100			*13.9*	52300			*13.9*	51300			*13.9*	50400			*13.9*
Thallium	10	NAV	3.25	J		*2.4*	2.4	U		*2.4*	3.08	J		*2.4*	2.4	U		*2.4*
Zinc	107	81	53.5			*6.5*	43			*6.5*	46.4			*6.5*	48.5			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	92975			*105*	NT				95754			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness

Table D-28
Analytes Detected in Parcel 39 Surface Water Samples

Analyte	Sample ID / Sample Date		M2-SW11 6/21/10				M2-SW11-Diss 6/21/10			
	ESC									
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)										
cis-1,2-Dichloroethene	NAV	NAV	1.6	J		*0.35*	NT			
Tetrachloroethene	45	NAV	1.1	J		*0.27*	NT			
Trichloroethene	47	NAV	0.73	J		*0.28*	NT			
SVOCs (ug/L)										
Anthracene	0.035	NAV	0.11			*0.012*	NT			
Benzo(a)anthracene	0.025	NAV	0.22			*0.012*	NT			
1,2,4-Trichlorobenzene	30	NAV	0.02	U		*0.02*	NT			
Pesticides (ug/L)	None detected									
PCBs (ug/L)	None detected									
Metals (ug/L)										
Aluminum	NAV	NAV	33	J		*6.5*	6.5	U		*6.5*
Barium	220	NAV	61.1			*4*	62.9			*4*
Calcium	NAV	NAV	29100			*31.8*	30000			*31.8*
Iron	NAV	NAV	1740			*20.4*	399			*20.4*
Lead	5.4	24	6.2			*2.6*	10.1			*2.6*
Magnesium	NAV	NAV	4340			*32.5*	4510			*32.5*
Manganese	NAV	NAV	81.1			*1.7*	80.6			*1.7*
Nickel	41	22	9.27	J		*4.2*	8.64	J		*4.2*
Potassium	NAV	NAV	3270			*38.8*	3420			*38.8*
Sodium	NAV	NAV	49200			*13.9*	51700			*13.9*
Thallium	10	NAV	2.4	U		*2.4*	2.41	J		*2.4*
Zinc	104	81	44.7			*6.5*	46.3			*6.5*
Misc. (ug/L)										
Hardness	NAV	NAV	90432			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness.

Table D-29
Analytes Detected in Parcel 39 Sediment Samples

Analyte	Sample ID / Sample Date		M2-SD11 6/25/10				M2-SD12 6/25/10				M2-SD13 6/25/10				M2-SD14 6/24/10			
	ESC																	
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																		
Acetone	NAV	NAV	0.0052	U		*0.0052*	0.18			*0.0079*	0.0088	J		*0.004*	0.0041	U		*0.0041*
Methylene chloride	0.159	NAV	0.0038	J		*0.0025*	0.0099	J		*0.0037*	0.0019	U		*0.0019*	0.0023	J		*0.0019*
2-Butanone	NAV	NAV	0.0054	U		*0.0054*	0.055	J		*0.0081*	0.0041	U		*0.0041*	0.0042	U		*0.0042*
SVOCs (mg/kg)																		
Anthracene	0.22	0.085	0.018			*0.00053*	0.0011	U		*0.0011*	0.057			*0.0026*	0.043			*0.0027*
Benzo(a)anthracene	0.32	0.261	0.12			*0.00053*	0.007	J		*0.0011*	0.29			*0.0026*	0.19			*0.002*
Benzo(a)pyrene	0.37	0.43	0.11			*0.00053*	0.0053	J		*0.0011*	0.27			*0.0026*	0.2			*0.002*
Benzo(b)fluoranthene	10.4	1.8	0.19	J		*0.014*	0.029	U		*0.029*	0.39	J		*0.072*	0.073	U		*0.073*
Benzo(g,h,i)perylene	0.17	0.17	0.095	J		*0.018*	0.035	U		*0.035*	0.089	U		*0.089*	0.091	U		*0.091*
Benzo(k)fluoranthene	0.24	0.24	0.07	J		*0.021*	0.041	U		*0.041*	0.1	U		*0.1*	0.11	U		*0.11*
bis(2-Ethylhexyl)phthalate	0.182	0.182	0.016	U		*0.016*	0.031	U		*0.031*	0.28	J		*0.077*	0.079	U		*0.079*
Chrysene	0.34	0.384	0.17	J		*0.02*	0.04	U		*0.04*	0.37	J		*0.099*	0.1	U		*0.1*
Dimethylphthalate	NAV	NAV	0.58			*0.012*	1.1			*0.024*	0.58	J		*0.059*	0.36	J		*0.061*
Fluoranthene	0.75	0.6	0.38	J		*0.0089*	0.018	U		*0.018*	0.92	J		*0.044*	0.42	J		*0.045*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.098	J		*0.015*	0.029	U		*0.029*	0.073	U		*0.073*	0.075	U		*0.075*
Phenanthrene	0.56	0.24	0.18	J		*0.012*	0.024	U		*0.024*	0.059	U		*0.059*	0.061	U		*0.061*
Pyrene	0.49	0.665	0.27	J		*0.011*	0.021	U		*0.021*	0.71	J		*0.052*	0.33	J		*0.054*
Pesticides (mg/kg)																		
alpha-Chlordane	0.007	0.007	0.00019	U		*0.00019*	0.00037	U		*0.00037*	0.0012	JP		*0.00018*	0.00019	U		*0.00019*
4,4'-DDD	0.008	0.002	0.00023	U		*0.00023*	0.00045	U		*0.00045*	0.0017	JP		*0.00022*	0.00023	U		*0.00023*
4,4'-DDE	0.005	0.0022	0.00027	U		*0.00027*	0.00052	U		*0.00052*	0.0012	JP		*0.00026*	0.00027	U		*0.00027*
PCBs (mg/kg)																		
Aroclor 1254	0.06	0.06	0.027			*0.0062*	0.012	U		*0.012*	0.064			*0.0061*	0.0063	U		*0.0063*
Metals (mg/kg)																		
Aluminum	25500	18000	3980			*0.66*	12800			*2.12*	3730			*0.9*	3630			*0.98*
Antimony	3	9.3	0.7	J		*0.44*	1.41	U		*1.41*	0.75	J		*0.6*	0.83	J		*0.65*
Arsenic	6	8.2	3.35			*0.26*	8.09			*0.83*	3.83			*0.35*	3.49			*0.38*
Barium	NAV	48	33.6			*0.31*	356			*1.01*	41			*0.43*	38.1			*0.46*
Beryllium	NAV	NAV	1.2			*0.05*	2.35			*0.15*	1.18			*0.06*	1.14			*0.07*
Cadmium	0.6	1.2	1.54			*0.05*	2.09			*0.15*	1.59			*0.06*	1.44			*0.07*
Calcium	NAV	NAV	670			*0.84*	3730			*2.7*	795			*1.14*	1230			*1.24*
Chromium	26	81	43.2			*0.1*	111			*0.33*	37.7			*0.14*	42			*0.15*
Cobalt	50	10	4.37			*0.45*	2.72	J		*1.44*	5.58			*0.61*	5.28			*0.66*
Copper	16	34	0.25	U		*0.25*	0.81	U		*0.81*	1.43			*0.34*	0.37	U		*0.37*
Iron	NAV	NAV	21700			*1.05*	33500			*3.36*	21700			*1.42*	22200			*1.55*
Lead	31	47	23.5			*0.31*	7.36			*0.98*	24			*0.42*	19.7			*0.45*
Magnesium	NAV	NAV	1600			*3.6*	3300			*11.6*	1250			*4.89*	1590			*5.32*
Manganese	630	260	9.74			*0.15*	18			*0.48*	24.5			*0.2*	26.6			*0.22*
Mercury	0.2	0.15	0.056			*0.003*	0.041			*0.005*	0.076			*0.002*	0.045			*0.002*
Nickel	16	21	8.73			*0.36*	14.4			*1.16*	10.5			*0.49*	8.85			*0.53*
Potassium	NAV	NAV	4420			*2.75*	5820			*8.83*	3100			*3.73*	4170			*4.07*
Selenium	NAV	1	3.18			*0.32*	6.6			*1.03*	3.34			*0.44*	3.6			*0.48*
Sodium	NAV	NAV	105			*1.98*	894			*6.36*	165			*2.69*	216			*2.93*
Thallium	NAV	NAV	0.29	J		*0.21*	0.68	U		*0.68*	0.29	U		*0.29*	0.31	U		*0.31*
Vanadium	NAV	57	16.7			*0.46*	42.9			*1.49*	18.4			*0.63*	18.2			*0.69*
Zinc	120	150	68.7			*0.55*	71.2			*1.77*	82.1			*0.75*	83.9			*0.81*
Misc. (mg/kg)																		
Total Organic Carbon	NAV	NAV	1800			*250*	5800			*250*	1800			*250*	2000			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-30
Analytes Detected in Parcel 49 Surface Water Samples

Analyte	Sample ID / Sample Date		P49-SW2 6/23/10				P49-SW2-Diss 6/23/10				P49-SW3 6/23/10				P49-SW3-Diss 6/23/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected																	
SVOCs (ug/L)																		
Dimethylphthalate	NAV	NAV	15			*0.23*	NT				3.5	J		*0.22*	NT			
Pesticides (ug/L)	Samples were not tested for this group.																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	264			*6.5*	6.5	U		*6.5*	174			*6.5*	9.31	J		*6.5*
Arsenic	150	36	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*	5.2	J		*4.2*
Barium	220	NAV	47.1	J		*4*	49.4	J		*4*	41.9	J		*4*	43	J		*4*
Calcium	NAV	NAV	207000			*31.8*	208000			*31.8*	206000			*31.8*	218000			*31.8*
Iron	NAV	NAV	1670			*20.4*	61			*20.4*	1180			*20.4*	59.6			*20.4*
Lead	5.4	24	7.07			*2.6*	8.23			*2.6*	6.69			*2.6*	5.2	J		*2.6*
Magnesium	NAV	NAV	682000			*32.5*	681000			*32.5*	679000			*32.5*	719000			*32.5*
Manganese	NAV	NAV	127			*1.7*	126			*1.7*	124			*1.7*	129			*1.7*
Nickel	NAV	22	7.6	J		*4.2*	7.96	J		*4.2*	4.2	U		*4.2*	4.76	J		*4.2*
Potassium	NAV	NAV	236000			*38.8*	229000			*38.8*	242000			*38.8*	248000			*38.8*
Sodium	NAV	NAV	5030000	D		*139*	5050000	D		*139*	5190000	D		*139*	5150000	D		*139*
Thallium	10	NAV	2.4	U		*2.4*	5.06	J		*2.4*	2.4	U		*2.4*	3.66	J		*2.4*
Zinc	NAV	81	42.7			*6.5*	44.5			*6.5*	46.4			*6.5*	33.2			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	3691780			*117*	NT				3672341			*117*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc not calculated in saline water

Table D-31
Analytes Detected in Parcel 61 Surface Water Samples

Analyte	Sample ID / Sample Date		P61-SW1 6/15/10				P61-SW1-Diss 6/15/10			
	ESC									
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected									
SVOCs (ug/L)										
Benzo(a)anthracene	0.025	NAV	0.57			*0.012*	NT			
Hexachlorobutadiene	0.053	NAV	0.062	J		*0.021*	NT			
Pesticides (ug/L)	Samples were not tested for this group.									
PCBs (ug/L)	None detected									
Metals (ug/L)										
Aluminum	NAV	NAV	207			*6.5*	14.5	J		*6.5*
Arsenic	150	36	9.1	J		*4.2*	9.77	J		*4.2*
Barium	220	NAV	50.2			*4*	53.5			*4*
Cadmium	NAV	8.8	0.59	J		*0.5*	0.64	J		*0.5*
Calcium	NAV	NAV	18600			*31.8*	17900			*31.8*
Iron	NAV	NAV	1700			*20.4*	658			*20.4*
Lead	5.4	24	6.01			*2.6*	5.25	J		*2.6*
Magnesium	NAV	NAV	14600			*32.5*	13800			*32.5*
Manganese	NAV	NAV	126			*1.7*	127			*1.7*
Nickel	NAV	22	10.2	J		*4.2*	9.8	J		*4.2*
Potassium	NAV	NAV	6620			*38.8*	6290			*38.8*
Sodium	NAV	NAV	119000			*13.9*	110000			*13.9*
Thallium	10	NAV	13.7	J		*2.4*	12.8	J		*2.4*
Zinc	NAV	81	79.5			*6.5*	76.6			*6.5*
Misc. (ug/L)										
Hardness	NAV	NAV	106750			*106750*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc not calculated in saline water

Table D-32
Analytes Detected in Parcel 69 Surface Water Samples

Analyte	Sample ID / Sample Date		P69-SW2 6/28/10				P69-SW2-Diss 6/28/10			
	ESC									
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected									
SVOCs (ug/L)	None detected									
Pesticides (ug/L)	Samples were not tested for this group.									
PCBs (ug/L)	None detected									
Metals (ug/L)										
Aluminum	NAV	NAV	71.2			*6.5*	20.1	J		*6.5*
Arsenic	150	36	4.2	U		*4.2*	4.63	J		*4.2*
Barium	220	NAV	36.9	J		*4*	36	J		*4*
Calcium	NAV	NAV	241000			*31.8*	250000			*31.8*
Iron	NAV	NAV	494			*20.4*	72.8			*20.4*
Magnesium	NAV	NAV	779000			*32.5*	810000			*32.5*
Manganese	NAV	NAV	95.1			*1.7*	95.6			*1.7*
Potassium	NAV	NAV	301000			*38.8*	313000			*38.8*
Sodium	NAV	NAV	6620000			*139*	6750000			*139*
Zinc	NAV	81	53.5			*6.5*	31.8			*6.5*
Misc. (ug/L)										
Hardness	NAV	NAV	3809532			*105*	NT			

U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc not calculated in saline water.

Table D-33
Analytes Detected in Landfill CW-3A Surface Water Samples

Analyte	Sample ID / Sample Date		CW3-SW4 6/28/10				CW3-SW4-Diss 6/28/10				CW3-SW5 6/28/10				CW3-SW5-Diss 6/28/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																		
Toluene	253	NAV	0.37	U		*0.37*	NT				6.8			*0.37*	NT			
SVOCs (ug/L)																		
Anthracene	0.035	NAV	0.11			*0.02*	NT				0.11			*0.021*	NT			
Benzo(a)pyrene	0.014	NAV	0.31			*0.02*	NT				0.021	U		*0.021*	NT			
3,3'-Dichlorobenzidine	4.5	NAV	0.61			*0.02*	NT				0.021	U		*0.021*	NT			
Pesticides (ug/L)	None detected																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	505			*6.5*	51.4			*6.5*	282			*6.5*	74			*6.5*
Arsenic	150	36	4.2	U		*4.2*	4.2	U		*4.2*	8.52	J		*4.2*	7.7	J		*4.2*
Barium	220	NAV	126			*4*	119			*4*	91.4			*4*	85.9			*4*
Cadmium	0.14	8.8	0.5	U		*0.5*	0.5	U		*0.5*	0.97	J		*0.5*	0.79	J		*0.5*
Calcium	NAV	NAV	16600			*31.8*	16800			*31.8*	18300			*31.8*	18800			*31.8*
Chromium	19	50	4.43	J		*1.1*	1.1	U		*1.1*	2.13	J		*1.1*	1.1	U		*1.1*
Cobalt	24	NAV	6.53	J		*5.8*	5.89	J		*5.8*	5.8	U		*5.8*	5.8	U		*5.8*
Copper	6.5	3.1	8.48	J		*6.6*	6.6	U		*6.6*	6.6	U		*6.6*	6.6	U		*6.6*
Iron	NAV	NAV	4170			*20.4*	1260			*20.4*	32500			*20.4*	28900			*20.4*
Lead	5.4	24	8.81			*2.6*	2.6	U		*2.6*	6.18			*2.6*	2.6	U		*2.6*
Magnesium	NAV	NAV	7750			*32.5*	7460			*32.5*	9590			*32.5*	9840			*32.5*
Manganese	NAV	NAV	193			*1.7*	192			*1.7*	315			*1.7*	309			*1.7*
Mercury	0.77	0.94	0.09	U		*0.09*	0.09	U		*0.09*	0.17	J		*0.09*	0.15	J		*0.09*
Nickel	34	22	6.04	J		*4.2*	6.59	J		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*
Potassium	NAV	NAV	4100			*38.8*	4300			*38.8*	3260			*38.8*	3260			*38.8*
Sodium	NAV	NAV	127000			*13.9*	128000			*13.9*	153000			*13.9*	153000			*13.9*
Vanadium	12	NAV	6.1	U		*6.1*	6.1	U		*6.1*	6.51	J		*6.1*	6.1	U		*6.1*
Zinc	88	81	117			*6.5*	99.8			*6.5*	49.5			*6.5*	55.4			*6.5*
Misc. (ug/L)																		
Hardness	na	na	73414			*105*	NT				85099			*105*	NT			

Exceedances of freshwater surface water quality criteria are bold and shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness.

Table D-34
Analytes Detected in Landfill CW-3A Sediment Samples
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Analyte	Sample ID / Sample Date		CW3-SD1 6/28/10				CW3-SD2 6/28/10				CW3-SD3 6/28/10			
	ESC													
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)														
Acetone	NAV	NAV	0.41			*0.049*	0.076	J		*0.014*	0.005	U		*0.005*
Methylene chloride	0.159	NAV	0.033	J		*0.023*	0.01	J		*0.0064*	0.0023	U		*0.0023*
Toluene	2.5	2.5	0.01	U		*0.01*	0.0029	U		*0.0029*	0.0011	U		*0.0011*
2-Butanone	NAV	NAV	0.093	J		*0.05*	0.014	U		*0.014*	0.0051	U		*0.0051*
SVOCs (mg/kg)														
Acenaphthene	0.016	0.016	0.085	U		*0.085*	0.038	U		*0.038*	0.016	U		*0.016*
Anthracene	0.22	0.085	0.0036	U		*0.0036*	0.0016	U		*0.0016*	0.00066	U		*0.00066*
Benzo(a)anthracene	0.32	0.261	0.0036	U		*0.0036*	0.0016	U		*0.0016*	0.016			*0.00066*
Benzo(a)pyrene	0.37	0.43	0.0036	U		*0.0036*	0.0016	U		*0.0016*	0.014			*0.00066*
Benzo(b)fluoranthene	10.4	1.8	0.099	U		*0.099*	0.044	U		*0.044*	0.018	U		*0.018*
Benzo(g,h,i)perylene	0.17	0.17	0.12	U		*0.12*	0.054	U		*0.054*	0.022	U		*0.022*
Benzo(k)fluoranthene	0.24	0.24	0.14	U		*0.14*	0.063	U		*0.063*	0.026	U		*0.026*
Benzoic acid	NAV	NAV	0.6	U		*0.6*	1.2	JB		*0.26*	0.11	U		*0.11*
Chrysene	0.34	0.384	0.14	U		*0.14*	0.06	U		*0.06*	0.025	U		*0.025*
Dibenzofuran	NAV	NAV	0.12	U		*0.12*	0.052	U		*0.052*	0.022	U		*0.022*
Dimethylphthalate	NAV	NAV	3.7			*0.082*	1.7			*0.036*	0.57			*0.015*
Fluoranthene	0.75	0.6	0.061	U		*0.061*	0.027	U		*0.027*	0.011	U		*0.011*
Fluorene	0.19	0.019	0.11	U		*0.11*	0.05	U		*0.05*	0.021	U		*0.021*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.1	U		*0.1*	0.044	U		*0.044*	0.018	U		*0.018*
Phenanthrene	0.56	0.24	0.082	U		*0.082*	0.036	U		*0.036*	0.015	U		*0.015*
Pyrene	0.49	0.665	0.072	U		*0.072*	0.032	U		*0.032*	0.013	U		*0.013*
Pesticides (mg/kg)														
4,4'-DDD	0.008	0.002	0.0015	U		*0.0015*	0.00068	U		*0.00068*	0.013	P		*0.00028*
4,4'-DDE	0.005	0.0022	0.0018	U		*0.0018*	0.0008	U		*0.0008*	0.0042			*0.00033*
4,4'-DDT	0.008	0.001	0.0013	U		*0.0013*	0.00056	U		*0.00056*	0.0048			*0.00023*
PCBs (mg/kg)	None detected													
Metals (mg/kg)														
Aluminum	25500	18000	8820			*7.43*	7500			*3.32*	2200			*1.16*
Arsenic	6	8.2	6.59	J		*2.92*	1.3	U		*1.3*	1.23	J		*0.46*
Barium	NAV	48	71			*3.54*	34.4			*1.58*	16.4			*0.55*
Beryllium	NAV	NAV	0.81	J		*0.53*	0.53	J		*0.24*	0.29	J		*0.08*
Cadmium	0.6	1.2	3.38			*0.53*	1.94			*0.24*	1.07			*0.08*
Calcium	NAV	NAV	3820			*9.47*	1480			*4.23*	474			*1.48*
Chromium	26	81	145			*1.15*	129			*0.51*	29.3			*0.18*
Cobalt	50	10	5.04	U		*5.04*	2.25	U		*2.25*	1.33	J		*0.79*
Copper	16	34	11.1			*2.83*	7.65			*1.26*	31.6			*0.44*
Iron	NAV	NAV	7120			*11.8*	1600			*5.26*	5340			*1.83*
Lead	31	47	10.8			*3.45*	7.18			*1.54*	25			*0.54*
Magnesium	NAV	NAV	1250			*40.5*	417			*18.1*	579			*6.32*
Manganese	630	260	45.3			*1.68*	13.6			*0.75*	7.36			*0.26*
Mercury	0.2	0.15	0.061	J		*0.017*	0.065			*0.007*	0.016	J		*0.003*
Nickel	16	21	15.1	J		*4.07*	4.7	J		*1.82*	3.33			*0.63*
Potassium	NAV	NAV	954			*31*	514			*13.8*	1190			*4.83*
Selenium	NAV	1	12.9			*3.63*	4.38			*1.62*	1.21	J		*0.57*
Sodium	NAV	NAV	3130			*22.3*	1300			*9.96*	366			*3.48*
Vanadium	NAV	57	84.1			*5.22*	60.4			*2.33*	17.3			*0.81*
Zinc	120	150	46.7			*6.19*	16.4			*2.77*	40.5			*0.97*
Misc. (mg/kg)														
Total Organic Carbon	NAV	NAV	12000			*250*	12000			*250*	500			*250*

See Notes at end of Table

Table D-34
Analytes Detected in Landfill CW-3A Sediment Samples
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Analyte	Sample ID / Sample Date		CW3-SD4 6/28/10				CW3-SD5 6/28/10				CW3-SD6 6/28/10			
	ESC													
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)														
Acetone	NAV	NAV	0.0046	U		*0.0046*	0.0061	U		*0.0061*	0.062	J		*0.01*
Methylene chloride	0.159	NAV	0.0022	U		*0.0022*	0.0031	J		*0.0029*	0.0048	U		*0.0048*
Toluene	2.5	2.5	0.0067	J		*0.00098*	0.0013	U		*0.0013*	0.0072	J		*0.0021*
2-Butanone	NAV	NAV	0.0048	U		*0.0048*	0.0063	U		*0.0063*	0.01	U		*0.01*
SVOCs (mg/kg)														
Acenaphthene	0.016	0.016	0.014	U		*0.014*	0.014	U		*0.014*	0.78	J		*0.16*
Anthracene	0.22	0.085	0.0072			*0.00061*	0.00061	U		*0.00061*	4.1			*0.0067*
Benzo(a)anthracene	0.32	0.261	0.03			*0.00061*	0.00061	U		*0.00061*	7			*0.0067*
Benzo(a)pyrene	0.37	0.43	0.026			*0.00061*	0.00061	U		*0.00061*	4.6			*0.0067*
Benzo(b)fluoranthene	10.4	1.8	0.017	U		*0.017*	0.017	U		*0.017*	5.7			*0.18*
Benzo(g,h,i)perylene	0.17	0.17	0.021	U		*0.021*	0.021	U		*0.021*	2	J		*0.22*
Benzo(k)fluoranthene	0.24	0.24	0.024	U		*0.024*	0.024	U		*0.024*	2.3	J		*0.26*
Benzoic acid	NAV	NAV	0.1	U		*0.1*	0.1	U		*0.1*	1.1	U		*1.1*
Chrysene	0.34	0.384	0.023	U		*0.023*	0.023	U		*0.023*	5.6			*0.25*
Dibenzofuran	NAV	NAV	0.02	U		*0.02*	0.02	U		*0.02*	0.71	J		*0.22*
Dimethylphthalate	NAV	NAV	0.71			*0.014*	0.72			*0.014*	1.6	J		*0.15*
Fluoranthene	0.75	0.6	0.01	U		*0.01*	0.01	U		*0.01*	17			*0.11*
Fluorene	0.19	0.019	0.019	U		*0.019*	0.019	U		*0.019*	1.4	J		*0.21*
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.017	U		*0.017*	0.017	U		*0.017*	2	J		*0.18*
Phenanthrene	0.56	0.24	0.014	U		*0.014*	0.014	U		*0.014*	15			*0.15*
Pyrene	0.49	0.665	0.081	J		*0.012*	0.012	U		*0.012*	13			*0.13*
Pesticides (mg/kg)														
4,4'-DDD	0.008	0.002	0.0022	J		*0.00026*	0.00026	U		*0.00026*	0.00057	U		*0.00057*
4,4'-DDE	0.005	0.0022	0.00031	U		*0.00031*	0.00031	U		*0.00031*	0.00066	U		*0.00066*
4,4'-DDT	0.008	0.001	0.002	J		*0.00021*	0.00022	U		*0.00022*	0.00047	U		*0.00047*
PCBs (mg/kg)	None detected													
Metals (mg/kg)														
Aluminum	25500	18000	1670			*0.93*	1920			*1.12*	3950			*1.84*
Arsenic	6	8.2	1.02	J		*0.37*	0.44	U		*0.44*	0.72	U		*0.72*
Barium	NAV	48	90.5			*0.44*	7.42			*0.53*	97.4			*0.88*
Beryllium	NAV	NAV	0.24	J		*0.07*	0.24	J		*0.08*	0.91			*0.13*
Cadmium	0.6	1.2	0.43			*0.07*	0.1	J		*0.08*	0.23	J		*0.13*
Calcium	NAV	NAV	179			*1.19*	112	J		*1.43*	2540			*2.35*
Chromium	26	81	18.1			*0.14*	53.3			*0.17*	121			*0.29*
Cobalt	50	10	1.04	J		*0.63*	0.76	U		*0.76*	1.38	J		*1.25*
Copper	16	34	23.3			*0.36*	1.13	J		*0.43*	4.75			*0.7*
Iron	NAV	NAV	6440			*1.48*	616			*1.77*	4590			*2.92*
Lead	31	47	31.2			*0.43*	3.14			*0.52*	9.32			*0.86*
Magnesium	NAV	NAV	498			*5.08*	154			*6.11*	779			*10*
Manganese	630	260	9.96			*0.21*	2.8			*0.25*	28.1			*0.42*
Mercury	0.2	0.15	0.009	J		*0.003*	0.033			*0.003*	0.079			*0.007*
Nickel	16	21	2.27			*0.51*	3.48			*0.61*	5.51			*1.01*
Potassium	NAV	NAV	1080			*3.88*	281			*4.67*	310			*7.68*
Selenium	NAV	1	0.92	J		*0.45*	2.04			*0.55*	5.3			*0.9*
Sodium	NAV	NAV	278			*2.8*	389			*3.36*	1900			*5.53*
Vanadium	NAV	57	13.1			*0.65*	8.16			*0.79*	15.6			*1.29*
Zinc	120	150	69.8			*0.78*	6.62			*0.93*	17.7			*1.54*
Misc. (mg/kg)														
Total Organic Carbon	NAV	NAV	3400			*250*	6600			*250*	6600			*250*

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
B = The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
P = The two gas chromotography columns had greater than 25% difference; concentration is estimate
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-35
Analytes Detected in Site CW-6 Surface Soil Samples
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Analyte	Sample ID Sample Date Sample Depth	CW6-SS1 6/18/10 0-0.5				CW6-SS2 6/18/10 0-0.5				CW6-SS3 6/18/10 0-0.5				CW6-SS4 6/18/10 0-0.5			
	ESC	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																	
Acetone	NAV	0.025	J		*0.0059*	0.0075	J		*0.0036*	0.58			*0.0065*	18	JD		*2*
Methylene chloride	4.05	0.0028	U		*0.0028*	0.0065	B		*0.0017*	0.012	B		*0.0031*	0.052			*0.0086*
Styrene	300	0.00088	U		*0.00088*	0.00054	U		*0.00054*	0.0027	J		*0.00097*	0.0027	U		*0.0027*
2-Butanone	NAV	0.0061	U		*0.0061*	0.0037	U		*0.0037*	0.088			*0.0067*	0.99			*0.019*
Methyl isobutyl ketone (2-Hexanone	NAV	0.0057	U		*0.0057*	0.0035	U		*0.0035*	0.0063	U		*0.0063*	0.025	J		*0.018*
SVOCs (mg/kg)																	
Acenaphthylene	682	0.013	U		*0.013*	0.01	U		*0.01*	4.2			*0.076*	0.031	U		*0.031*
Benzo(b)fluoranthene	59.8	0.018	U		*0.018*	0.15	J		*0.013*	32	D		*0.49*	0.04	U		*0.04*
Benzo(g,h,i)perylene	119	0.022	U		*0.022*	0.085	J		*0.016*	14			*0.12*	0.05	U		*0.05*
Benzo(k)fluoranthene	148	0.025	U		*0.025*	0.058	J		*0.019*	9.6			*0.14*	0.058	U		*0.058*
Benzoic acid	NAV	2.3			*0.62*	2.2			*0.46*	7	J		*3.5*	15	D		*2.9*
bis(2-Ethylhexyl)phthalate	0.925	0.019	U		*0.019*	0.014	U		*0.014*	0.58	J		*0.11*	0.044	U		*0.044*
Chrysene	4.73	0.024	U		*0.024*	0.12	J		*0.018*	22			*0.14*	0.056	U		*0.056*
Dibenz(a,h)anthracene	18.4	0.015	U		*0.015*	0.011	U		*0.011*	3.5			*0.087*	0.035	U		*0.035*
Dibenzofuran	NAV	0.021	U		*0.021*	0.015	U		*0.015*	0.46	J		*0.12*	0.048	U		*0.048*
Dimethylphthalate	NAV	0.57			*0.014*	0.35	J		*0.011*	0.69	J		*0.082*	1.2	J		*0.033*
Fluoranthene	122	0.011	U		*0.011*	0.29	J		*0.008*	70	D		*0.3*	0.24	J		*0.025*
Fluorene	122	0.02	U		*0.02*	0.015	U		*0.015*	1.8	J		*0.11*	0.047	U		*0.047*
Indeno(1,2,3-c,d)pyrene	109	0.018	U		*0.018*	0.084	J		*0.013*	13			*0.1*	0.041	U		*0.041*
Phenanthrene	45.7	0.014	U		*0.014*	0.14	J		*0.011*	37	D		*0.41*	0.033	U		*0.033*
Pyrene	78.5	0.013	U		*0.013*	0.22	J		*0.0095*	53	D		*0.36*	0.2	J		*0.03*
Pesticides (mg/kg)																	
alpha-Chlordane	0.224	0.00023	U		*0.00023*	0.00017	U		*0.00017*	0.0089	P		*0.00025*	0.0045	JP		*0.00052*
4,4'-DDD	0.758	0.0074	P		*0.00027*	0.0091			*0.0002*	0.02	P		*0.00031*	0.00063	U		*0.00063*
4,4'-DDE	0.596	0.1	D		*0.0064*	0.066	D		*0.0048*	0.023			*0.00036*	0.0056	JP		*0.00074*
4,4'-DDT	0.0035	0.12	D		*0.0045*	0.23	D		*0.0034*	0.021			*0.00025*	0.00052	U		*0.00052*
Dieldrin	0.0049	0.0092			*0.00021*	0.00016	U		*0.00016*	0.00024	U		*0.00024*	0.00048	U		*0.00048*
PCBs (mg/kg)	None detected																
Metals (mg/kg)																	
Aluminum	50	5230			*1.36*	1640			*0.91*	6740			*1.41*	6240			*2.54*
Antimony	0.27	1.34	J		*0.9*	0.62	J		*0.61*	3.06	J		*0.94*	2.8	J		*1.69*
Arsenic	9.9	8.23			*0.53*	4.24			*0.36*	24.2			*0.55*	24			*1*
Barium	283	23.4			*0.65*	9.92			*0.44*	29.1			*0.67*	77.8			*1.21*
Beryllium	10	0.42	J		*0.1*	0.13	J		*0.07*	0.65			*0.1*	0.34	J		*0.18*
Cadmium	0.36	0.56			*0.1*	0.22	J		*0.07*	2.13			*0.1*	2.24			*0.18*
Calcium	NAV	1740			*1.73*	588			*1.16*	1550			*1.8*	6540			*3.23*
Chromium	0.4	31.8			*0.21*	13.1			*0.14*	55.2			*0.22*	29.2			*0.39*
Cobalt	13	1.05	J		*0.92*	1.02	J		*0.62*	1.77	J		*0.96*	1.72	U		*1.72*
Copper	28	59.1			*0.52*	13.2			*0.35*	91.2			*0.54*	73.8			*0.97*
Iron	NAV	14300			*2.15*	5440			*1.45*	56700			*2.23*	18200			*4.02*
Lead	11	105			*0.63*	30.9			*0.42*	356			*0.66*	247			*1.18*
Magnesium	NAV	1010			*7.4*	387			*4.99*	1230			*7.7*	849			*13.8*
Manganese	220	43.1			*0.31*	38			*0.21*	45.5			*0.32*	18.1			*0.57*
Mercury	0.00051	0.218			*0.003*	0.295			*0.002*	8.1			*0.09*	2.5			*0.035*
Nickel	30	5.5			*0.74*	2.93			*0.5*	8.31			*0.77*	7.22			*1.39*
Potassium	NAV	1020			*5.65*	460			*3.81*	1190			*5.88*	969			*10.6*
Selenium	0.21	2.95			*0.66*	1.1			*0.45*	7.61			*0.69*	4.78			*1.24*
Silver	2	0.29	J		*0.24*	0.16	U		*0.16*	0.28	J		*0.25*	0.6	J		*0.45*
Sodium	NAV	225			*4.07*	106	J		*2.74*	262			*4.23*	330			*7.61*
Thallium	1	0.44	U		*0.44*	0.29	U		*0.29*	0.47	J		*0.45*	0.82	U		*0.82*
Vanadium	2	40.7			*0.95*	12.3			*0.64*	55.6			*0.99*	45.4			*1.78*
Zinc	8.5	58.5			*1.13*	42.5			*0.76*	149			*1.18*	373			*2.11*
Misc. (mg/kg)																	
Total Organic Carbon	na	6000			*250*	3600			*250*	8200			*250*	10000			*250*

Exceedances of ESC are shaded.
ESC = Ecological Screening Criteria (see Section 3.3)
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
B = The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
D = The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-36
Analytes Detected in Site CW-6 Surface Water Samples

Analyte	Sample ID / Sample Date		CW6-SW5 6/24/10				CW6-SW5-Diss 6/24/10				CW6-SW6 6/24/10				CW6-SW6-Diss 6/24/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)																		
Methyl-tert-butyl ether	51000	18000	0.35	U		*0.35*	NT				0.65	J		*0.35*	NT			
SVOCs (ug/L)	None detected																	
Pesticides (ug/L)	None detected																	
PCBs (ug/L)																		
Aroclor 1242	0.014	0.03	0.13			*0.008*	NT				0.3			*0.007*	NT			
Metals (ug/L)																		
Aluminum	NAV	NAV	130			*6.5*	16.3	J		*6.5*	146			*6.5*	14	J		*6.5*
Arsenic	150	36	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*	4.2	U		*4.2*
Barium	220	NAV	69.4			*4*	65.6			*4*	80.8			*4*	81.3			*4*
Cadmium	0.17	8.8	0.52	J		*0.5*	0.5	U		*0.5*	1.13	J		*0.5*	0.8	J		*0.5*
Calcium	NAV	NAV	30200			*31.8*	29600			*31.8*	28400			*31.8*	28600			*31.8*
Cobalt	24	NAV	16.6			*5.8*	16.5			*5.8*	29.4			*5.8*	28.7			*5.8*
Iron	NAV	NAV	2520			*20.4*	252			*20.4*	2840			*20.4*	1440			*20.4*
Lead	5.4	24	8.09			*2.6*	8.79			*2.6*	7.94			*2.6*	6.32			*2.6*
Magnesium	NAV	NAV	4830			*32.5*	4720			*32.5*	5730			*32.5*	5900			*32.5*
Manganese	NAV	NAV	113			*1.7*	109			*1.7*	141			*1.7*	147			*1.7*
Nickel	42	22	23			*4.2*	20.8			*4.2*	32.6			*4.2*	31.2			*4.2*
Potassium	NAV	NAV	3150			*38.8*	3100			*38.8*	3370			*38.8*	3470			*38.8*
Selenium	5	71	4.8	U		*4.8*	4.8	U		*4.8*	4.8	U		*4.8*	4.8	U		*4.8*
Sodium	NAV	NAV	55500			*13.9*	54700			*13.9*	66800			*13.9*	69900			*13.9*
Zinc	108	81	80.1			*6.5*	66.5			*6.5*	79.5			*6.5*	79.9			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	95205			*105*	NT				94486			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness

Table D-37
Analytes Detected in Site CW-6 Sediment Samples

Analyte	Sample ID / Sample Date		CW6-SD1 6/18/10				CW6-SD2 6/18/10				CW6-SD3 6/18/10				CW6-SD4 6/18/10				CW6-SD5 6/24/10				CW6-SD6 6/24/10			
	ESC																									
	FW-SED	SW-SED	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (mg/kg)																										
Acetone	NAV	NAV	1.1			0.031	3.7			0.024	1			0.017	0.034	J		0.016	0.015	J		0.004	0.0039	U		0.0039
Methylene chloride	0.159	NAV	0.052	B		0.014	0.052	B		0.011	0.038	B		0.0079	0.033	B		0.0073	0.0019	U		0.0019	0.0018	U		0.0018
Styrene	0.254	NAV	0.027	J		0.0045	0.024	J		0.0035	0.0025	U		0.0025	0.0023	U		0.0023	0.0006	U		0.0006	0.001	J		0.00058
Toluene	2.5	2.5	0.0065	U		0.0065	0.005	U		0.005	0.0036	U		0.0036	0.011	J		0.0033	0.00085	U		0.00085	0.002	J		0.00082
2-Butanone	NAV	NAV	0.5			0.031	1.7			0.025	0.17			0.017	0.016	U		0.016	0.0041	U		0.0041	0.004	U		0.004
SVOCs (mg/kg)																										
Acenaphthene	0.016	0.016	0.052	U		0.052	0.045	U		0.045	0.035	U		0.035	0.029	U		0.029	0.013	U		0.013	0.47	J		0.061
Acenaphthylene	0.044	0.044	0.046	U		0.046	0.04	U		0.04	0.031	U		0.031	0.026	U		0.026	0.011	U		0.011	1.6	J		0.054
Anthracene	0.22	0.085	0.011	J		0.0022	0.0079	J		0.0019	0.0074	J		0.0015	0.0012	U		0.0012	0.0053			0.00053	0.3			0.0026
Benzo(a)anthracene	0.32	0.261	0.039			0.0017	0.049			0.0014	0.034			0.0011	0.018			0.00094	0.033			0.0004	1			0.0019
Benzo(a)pyrene	0.37	0.43	0.16			0.0017	0.16			0.0014	0.11			0.0011	0.083			0.00094	0.036			0.0004	1.2			0.0019
Benzo(b)fluoranthene	10.4	1.8	0.06	U		0.06	0.052	U		0.052	0.04	U		0.04	0.034	U		0.034	0.014	U		0.014	2.1	J		0.071
Benzo(g,h,i)perylene	0.17	0.17	0.075	U		0.075	0.064	U		0.064	0.05	U		0.05	0.042	U		0.042	0.018	U		0.018	0.89	J		0.087
Benzo(k)fluoranthene	0.24	0.24	0.087	U		0.087	0.075	U		0.075	0.058	U		0.058	0.049	U		0.049	0.021	U		0.021	0.74	J		0.1
Benzoic acid	NAV	NAV	13			2.1	4.3			1.8	7.2			1.4	1.2	U		1.2	0.088	U		0.088	0.43	U		0.43
Chrysene	0.34	0.384	0.084	U		0.084	0.072	U		0.072	0.056	U		0.056	0.047	U		0.047	0.02	U		0.02	1.9	J		0.098
Dibenzofuran	NAV	NAV	0.072	U		0.072	0.062	U		0.062	0.048	U		0.048	0.041	U		0.041	0.017	U		0.017	0.48	J		0.084
Dimethylphthalate	NAV	NAV	2			0.05	1.2	J		0.043	1.4			0.033	1	J		0.028	0.43	J		0.012	0.45	J		0.058
2,4-Dinitrophenol	0.00621	NAV	0.19	U		0.19	0.16	U		0.16	1.7			0.13	1.2			0.11	0.045	U		0.045	0.22	U		0.22
Fluoranthene	0.75	0.6	0.037	U		0.037	0.23	J		0.032	0.025	U		0.025	0.021	U		0.021	0.093	J		0.0089	4.9			0.043
Fluorene	0.19	0.019	0.07	U		0.07	0.06	U		0.06	0.047	U		0.047	0.039	U		0.039	0.017	U		0.017	0.82	J		0.082
Indeno(1,2,3-c,d)pyrene	0.2	0.2	0.061	U		0.061	0.053	U		0.053	0.041	U		0.041	0.035	U		0.035	0.015	U		0.015	0.98	J		0.072
2-Methylnaphthalene	0.07	0.07	0.046	U		0.046	0.04	U		0.04	0.031	U		0.031	0.026	U		0.026	0.011	U		0.011	1.3	J		0.054
Naphthalene	0.16	0.16	0.064	U		0.064	0.055	U		0.055	0.042	U		0.042	0.036	U		0.036	0.015	U		0.015	4.4			0.074
Phenanthrene	0.56	0.24	0.05	U		0.05	0.043	U		0.043	0.033	U		0.033	0.028	U		0.028	0.012	U		0.012	8.3			0.058
Pyrene	0.49	0.665	0.044	U		0.044	0.21	J		0.038	0.03	U		0.03	0.025	U		0.025	0.068	J		0.011	3.3			0.052
Pesticides (mg/kg)																										
4,4'-DDE	0.005	0.0022	0.0011	U		0.0011	0.00095	U		0.00095	0.006	J		0.00074	0.00062	U		0.00062	0.00027	U		0.00027	0.00026	U		0.00026
PCBs (mg/kg)																										
Aroclor 1242	0.07	0.023	0.012	U		0.012	0.01	U		0.01	0.0078	U		0.0078	0.0065	U		0.0065	0.05			0.0028	0.0027	U		0.0027
Aroclor 1260	0.005	0.005	0.1	JP		0.021	0.018	U		0.018	0.014	U		0.014	0.012	U		0.012	0.005	U		0.005	0.0048	U		0.0048
Metals (mg/kg)																										
Aluminum	25500	18000	4540			4.47	11400			3.55	8500			2.78	10700			2.47	2170			0.99	860			1.09
Antimony	3	9.3	2.98	U		2.98	2.47	J		2.37	1.85	U		1.85	2.33	J		1.65	0.66	U		0.66	0.72	U		0.72
Arsenic	6	8.2	3.31	J		1.76	1.4	U		1.4	13.1			1.09	11.7			0.97	3.18			0.39	0.68	J		0.43
Barium	NAV	48	71			2.13	87.2			1.69	80			1.32	137			1.18	13.1			0.47	4.41	J		0.52
Beryllium	NAV	NAV	0.32	U		0.32	0.85	J		0.25	0.59	J		0.2	1.84			0.18	1.02			0.07	0.38	J		0.08
Cadmium	0.6	1.2	0.9	J		0.32	5.56			0.25	1.04			0.2	2.79			0.18	1.34			0.07	0.38	J		0.08
Calcium	NAV	NAV	3600			5.69	1190			4.53	2510			3.54	3400			3.14	1.26	U		1.26	16.7	J		1.38
Chromium	26	81	35.3			0.69	64.2			0.55	55.4			0.43	150			0.38	50.2			0.15	75.8			0.17
Cobalt	50	10	3.03	U		3.03	7.78			2.41	2.97	J		1.88	3.7	J		1.68	5.82			0.67	8.94			0.74
Copper	16	34	26.2			1.7	39.5			1.35	28.2			1.06	56.2			0.94	4.63			0.38	2.49			0.41
Iron	NAV	NAV	7630			7.08	8330			5.63	18000			4.4	19500			3.91	15700			1.57	9040			1.72
Lead	31	47	126			2.08	143			1.65	218			1.29	124			1.15	13.4			0.46	5.67			0.5
Magnesium	NAV	NAV	833			24.4	1270			19.4	1410			15.1	2550			13.5	316			5.41	160			5.92
Manganese	630	260	16.9			1.01	16.5			0.8	23.3			0.63	42.1			0.56	4.9			0.22	4.36			0.25
Mercury	0.2	0.15	0.426			0.011	0.167			0.008	6.6			0.069	2.3			0.03	0.047			0.003	0.064			0.002
Nickel	16	21	8.97	J		2.45	16.2			1.95	8.61			1.52	14.1			1.35	29.7			0.54	56.2			0.6
Potassium	NAV	NAV	829			18.6	1390			14.8	1480			11.6	2150			10.3	871			4.14	441			4.53
Selenium	NAV	1	3.41	J		2.18	3.62	J		1.73	5.34			1.36	4.12			1.2	3.17			0.48	1.82			0.53
Silver	1	1	4.73			0.8	4.04			0.63	1.1	J		0.5	12.1			0.44	0.18	U		0.18	0.19	U		0.19
Sodium	NAV	NAV	447	J		13.4	419	J		10.7	260	J		8.33	301			7.41	133			2.98	150			3.26
Vanadium	NAV	57	18.9			3.14	62.9			2.5	40.9			1.95	68.4			1.73	19.9			0.7	10.7			0.76
Zinc	120	150	73.8			3.72	110			2.96	106			2.31	168			2.06	49.8			0.83	15.3			0.91
Misc. (mg/kg)																										
Total Organic Carbon	NAV	NAV	9500			250	7400			250	12000			250	8500			250	4700			250	540			250

Exceedances of freshwater sediment quality criteria are shaded.
Exceedances of saltwater sediment quality criteria have a bold border.
B = The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
P = For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SED = Fresh Water-Sediment
SW-SED = Salt Water-Sediment
MDL = Method Detection Limit
mg/kg = milligrams per kilogram
NAV = No Available Value
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound

Table D-38
Analytes Detected in Parcel 15 Surface Water Samples

Analyte	Sample ID / Sample Date		P15-SW1 6/24/10				P15-SW1-Diss 6/24/10				P15-SW3 6/24/10				P15-SW3-Diss 6/24/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected																	
SVOCs (ug/L)	None detected																	
Pesticides (ug/L)	Samples were not tested for this group.																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	107			*6.5*	48.7	J		*6.5*	99.7			*6.5*	30.2	J		*6.5*
Barium	220	NAV	120			*4*	120			*4*	101			*4*	98			*4*
Cadmium	0.15	8.8	0.55	J		*0.5*	0.5	U		*0.5*	0.5	U		*0.5*	0.5	U		*0.5*
Calcium	NAV	NAV	20300			*31.8*	20300			*31.8*	19400			*31.8*	18900			*31.8*
Iron	NAV	NAV	2320			*20.4*	1480			*20.4*	1540			*20.4*	872			*20.4*
Lead	5.4	24	6.84			*2.6*	8.27			*2.6*	8.3			*2.6*	4.33	J		*2.6*
Magnesium	NAV	NAV	8700			*32.5*	8720			*32.5*	7600			*32.5*	7440			*32.5*
Manganese	NAV	NAV	138			*1.7*	138			*1.7*	106			*1.7*	101			*1.7*
Nickel	36	22	8.45	J		*4.2*	8.22	J		*4.2*	7.79	J		*4.2*	6.68	J		*4.2*
Potassium	NAV	NAV	3510			*38.8*	3550			*38.8*	3500			*38.8*	3440			*38.8*
Sodium	NAV	NAV	73900			*13.9*	74300			*13.9*	64500			*13.9*	63200			*13.9*
Zinc	94	81	87.6			*6.5*	80.6			*6.5*	85.2			*6.5*	74.8			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	86563			*105*	NT				79642			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness.

Table D-39
Analytes Detected in Parcel 27 Surface Water Samples

Analyte	Sample ID / Sample Date		P27-SW1 6/25/10				P27-SW1-Diss 6/25/10				P27-SW2 6/25/10				P27-SW2-Diss 6/25/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected																	
SVOCs (ug/L)	None detected																	
Pesticides (ug/L)	Samples were not tested for this group.																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	310			*6.5*	64.5			*6.5*	231			*6.5*	68.3			*6.5*
Barium	220	NAV	135			*4*	125			*4*	137			*4*	126			*4*
Cadmium	0.16	8.8	0.88	J		*0.5*	0.52	J		*0.5*	0.76	J		*0.5*	0.69	J		*0.5*
Calcium	NAV	NAV	20100			*31.8*	19100			*31.8*	20900			*31.8*	19300			*31.8*
Chromium	21	50	1.42	J		*1.1*	1.1	U		*1.1*	1.72	J		*1.1*	28.5			*1.1*
Iron	NAV	NAV	2170			*20.4*	434			*20.4*	1730			*20.4*	536			*20.4*
Lead	5.4	24	10.6			*2.6*	5.77	J		*2.6*	5.46	J		*2.6*	8.18			*2.6*
Magnesium	NAV	NAV	8680			*32.5*	8360			*32.5*	8900			*32.5*	8570			*32.5*
Manganese	NAV	NAV	108			*1.7*	94.1			*1.7*	103			*1.7*	95.8			*1.7*
Mercury	0.77	0.94	0.1	J		*0.09*	0.1	J		*0.09*	0.09	U		*0.09*	0.09	U		*0.09*
Nickel	39	22	10.2	J		*4.2*	10	J		*4.2*	10.6	J		*4.2*	17.3	J		*4.2*
Potassium	NAV	NAV	3820			*38.8*	3630			*38.8*	3840			*38.8*	3720			*38.8*
Sodium	NAV	NAV	68900			*13.9*	65200			*13.9*	70400			*13.9*	68100			*13.9*
Zinc	100	81	77.6			*6.5*	67.4			*6.5*	82.4			*6.5*	76.4			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	85913			*105*	NT				88902			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
Exceedances of saltwater surface water quality criteria have a bold border.
U = The compound was not detected at the indicated concentration.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness

Table D-40
Analytes Detected in Parcel 28 Surface Water Samples

Analyte	Sample ID / Sample Date		P28-SW1 6/24/10				P28-SW1-Diss 6/24/10				P28-SW2 6/24/10				P28-SW2-Diss 6/24/10			
	ESC																	
	FW-SW	SW-SW	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL	Result	Lab Q	Val Q	MDL
VOCs (ug/L)	None detected																	
SVOCs (ug/L)	None detected																	
Pesticides (ug/L)	Samples were not tested for this group.																	
PCBs (ug/L)	None detected																	
Metals (ug/L)																		
Aluminum	NAV	NAV	154			*6.5*	28.8	J		*6.5*	132			*6.5*	30.8	J		*6.5*
Barium	220	NAV	98.5			*4*	99.6			*4*	97.6			*4*	93.6			*4*
Calcium	NAV	NAV	20100			*31.8*	20500			*31.8*	20500			*31.8*	20100			*31.8*
Iron	NAV	NAV	1360			*20.4*	721			*20.4*	1460			*20.4*	713			*20.4*
Lead	5.4	24	6.36			*2.6*	7.14			*2.6*	7.74			*2.6*	5.74	J		*2.6*
Magnesium	NAV	NAV	7660			*32.5*	7780			*32.5*	7740			*32.5*	7570			*32.5*
Manganese	NAV	NAV	98.4			*1.7*	101			*1.7*	108			*1.7*	106			*1.7*
Nickel	37	22	7.31	J		*4.2*	5.97	J		*4.2*	5.37	J		*4.2*	7.05	J		*4.2*
Potassium	NAV	NAV	3640			*38.8*	3700			*38.8*	3730			*38.8*	3680			*38.8*
Sodium	NAV	NAV	71200			*13.9*	72500			*13.9*	71900			*13.9*	70600			*13.9*
Zinc	96	81	75.7			*6.5*	77.1			*6.5*	80.1			*6.5*	72.8			*6.5*
Misc. (ug/L)																		
Hardness	NAV	NAV	81664			*105*	NT				83061			*105*	NT			

Exceedances of freshwater surface water quality criteria are shaded.
J = Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
ESC = Ecological Screening Criteria (see Section 3.3)
FW-SW = Fresh Water-Surface Water
SW-SW = Salt Water-Surface Water
MDL = Method Detection Limit
NAV = No Available Value
NT = Not Tested
PCB = Polychlorinated Biphenyl
SVOC = Semivolatile Organic Compound
VOC = Volatile Organic Compound
ug/L = micrograms per liter
FW-SW ESC for cadmium, chromium, copper, nickel, and zinc are based on minimum detected hardness