TABLE 12
SURFACE WASTE CHARACTERIZATION SAMPLES
AOI 5-3
RCRA FACILITY INVESTIGATION
LAUFEN INTERNATIONAL
EAST SPARTA, OHIO

	Maximum Concentration		Human Health Target Decision Level	Ecological Target Decision Level	5-3-CS-1	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-CS-2	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-CS-3	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-CS-4	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag
Antimony (Total)	2.7	mg/kg	310	0.142	**0.67**			**0.81**			**0.65**			**1.4**		
Arsenic (Total)	7.2	mg/kg	3.9	5.7	*4.3*		J-	*2.8*		J-	*2.1*		J-	**6.6**		J-
Barium (Total)	590	mg/kg	54,000	1.04	**86**			**120**			**74**			**110**		
Beryllium (Total)	0.97	mg/kg	1,500	1.06	0.71			0.78			0.53			0.68		
Cadmium (Total)	4	mg/kg	370	0.0022	**0.31**			**0.24**			**0.17**			**0.29**		
Chromium (Total)	23	mg/kg	1,000,000	0.4	**17**		J	**23**		J	**7.6**		J	**16**		J
Chromium, Hexavalent	6.8	mg/kg	300	NA	1.9	U	UJ	2.4	U	U	3		J	6.8		J
Cobalt (Total)	59	mg/kg	9,000	0.14	**11**		J	**7.9**		J	**11**		J	**13**		J
Copper (Total)	21	mg/kg	31,000	5.4	**21**		J-	**13**		J-	**8.7**		J-	**16**		J-
Lead (Total)	270	mg/kg	4,000	0.0537	**40**			**25**			**33**			**34**		
Mercury (Total)	0.044	mg/kg	230	0.1	0.027	J	J	0.023	J	J	0.029	J	J	0.044	J	J
Nickel (Total)	35	mg/kg	16,000	13.6	**23**		J	**18**		J	11		J	**22**		J
Selenium (Total)	0.6	mg/kg	3,900	0.0276	**0.5**		J-	**0.37**		J-	**0.27**		J-	**0.48**		J-
Silver (Total)	0.33	mg/kg	3,900	4.04	0.26			0.26			0.18			0.23		
Thallium (Total)	0.24	mg/kg	52	0.0569	**0.15**			**0.14**			**0.11**			**0.24**		
Vanadium (Total)	26	mg/kg	780	1.59	**20**		J	**16**		J	**11**		J	**24**		J
Zinc (Total)	590	mg/kg	230,000	6.62	**90**	B	J	**79**	B	J	**110**	B	J	**300**	B	J

	Maximum Concentration		Human Health Target Decision Level	Ecological Target Decision Level	5-3-CS-5	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-CS-DUP	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-DS-4	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag
Antimony (Total)	2.7	mg/kg	410	0.142	**2.7**			**1.5**			**0.53**		
Arsenic (Total)	7.2	mg/kg	1.6	5.7	*3.5*		J-	**7.2**		J-	*2.5*		J-
Barium (Total)	590	mg/kg	67,000	1.04	**590**			**75**			**62**		
Beryllium (Total)	0.97	mg/kg	1,900	1.06	0.51			0.97			0.55		
Cadmium (Total)	4	mg/kg	450	0.0022	**4**			**0.2**			**0.11**		
Chromium (Total)	23	mg/kg	100,000	0.4	**12**		J	**20**		J	**9.6**		J
Chromium, Hexavalent	6.8	mg/kg	64	NA	1.9	U	U	1.4	J	J	0.21	J	J
Cobalt (Total)	59	mg/kg	1,900	0.14	**59**		J	**14**		J	**5.8**		J
Copper (Total)	21	mg/kg	41,000	5.4	**14**		J-	**21**		J-	**12**		J-
Lead (Total)	270	mg/kg	800	0.0537	**270**			**25**			**18**		
Mercury (Total)	0.044	mg/kg	310	0.1	0.037	J	J	0.03	J	J	0.042	J	J
Nickel (Total)	35	mg/kg	20,000	13.6	11		J	**35**		J	11		J
Selenium (Total)	0.6	mg/kg	5,100	0.0276	**0.6**		J-	**0.47**		J-	**0.12**		J-
Silver (Total)	0.33	mg/kg	5,100	4.04	0.33			0.18			0.27		
Thallium (Total)	0.24	mg/kg	67	0.0569	**0.14**			**0.17**			**0.15**		
Vanadium (Total)	26	mg/kg	1,000	1.59	**14**		J	**26**		J	**13**		J
Zinc (Total)	590	mg/kg	100,000	6.62	**590**	B	J	**290**	B	J	**31**	B	J

Yellow shading indicates the maximum concentration of each COPI found at this AOI.
J - The associated numerical value is an estimated quantity.
J- - The associated numerical value is an estimated quantity, potentially biased low.
U - The compound/analyte was analyzed for, but not detected. The associated numerical valueis the sample quantitation limit.
B - The analyte concentration in the associated method blank was greater than or equal to the reporting limit. The positive sample result is considered estimated.
UJ - The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.
Bold text indicates that value exceeds the applicable Ecological Target Decision Level
Italicised text indicates that value exceeds the applicable Human Health Target Decision Level.

TABLE 13
SUBSURFACE WASTE CHARACTERIZATION SAMPLES
AOI 5-3
RCRA FACILITY INVESTIGATION
LAUFEN INTERNATIONAL
EAST SPARTA, OHIO

	Maximum Concentration		5-3-TP-1-1	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-TP-2 (0-5')	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-TP-2 (5-10')	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag
Antimony (Total)	0.6	mg/kg	0.25		J+	0.6			0.43		
Arsenic (Total)	5.9	mg/kg	0.62		J+	5.9			1.9		
Barium (Total)	960	mg/kg	120			960			810		
Beryllium (Total)	0.79	mg/kg	0.79			0.78			0.69		
Cadmium (Total)	0.68	mg/kg	0.057			0.23			0.68		
Chromium (Total)	10	mg/kg	10			9.6			9.5		
Chromium, Hexavalent	ND	mg/kg	2.3	U	UJ	2.3	U	U	2.4	U	U
Cobalt (Total)	130	mg/kg	6.4			130			32		
Copper (Total)	19	mg/kg	19		J	16			16		
Lead (Total)	740	mg/kg	33			24			740		
Mercury (Total)	0.041	mg/kg	0.05	J	U	0.037	J	J	0.041	J	J
Nickel (Total)	14	mg/kg	13			14			14		
Selenium (Total)	0.6	mg/kg	0.34			0.54			0.6		
Silver (Total)	0.11	mg/kg	0.091	J	J	0.10	J	U	0.11		J+
Thallium (Total)	0.15	mg/kg	0.15			0.11			0.12	J	J
Vanadium (Total)	16	mg/kg	16			15			11		
Zinc (Total)	790	mg/kg	35			570			790		

Shading indicates the maximum concentration of each COPI found at this AOI.
Phase I and Phase II samples separated by dark solid line.

J - The associated numerical value is an estimated quantity.
J+ - The associated numerical value is an estimated quantity, potentially biased high.
U - The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ - The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

TABLE 14
SURFACE SOIL SAMPLES
AOI 5-3
RCRA FACILITY INVESTIGATION
LAUFEN INTERNATIONAL
EAST SPARTA, OHIO

		Human Health Target Decision Level	Ecological Target Decision Level	Background Concentrations (mine spoil)	5-3-SS-1	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SS-2	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SS-3	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag
Antimony (Total)	mg/kg	410	0.142	2.39	**2.6**			**1**			**2.2**		
Arsenic (Total)	mg/kg	1.6	5.7	98	***6.2***			*3.3*			*3.2*		
Barium (Total)	mg/kg	67,000	1.04	254.4	**160**		J	**190**		J	**880**		J
Beryllium (Total)	mg/kg	1,900	1.06	1.81	0.22			0.51			0.58		
Cadmium (Total)	mg/kg	450	0.0022	0.539	**18**			**0.58**			**0.58**		
Chromium (Total)	mg/kg	100,000	0.4	32.5	**20**			**18**			**13**		
Chromium, Hexavalent	mg/kg	64	NA	NA	10	J	J	2.1	U	UJ	2.1	U	UJ
Cobalt (Total)	mg/kg	1,900	0.14	43.1	**49**			**21**			**64**		
Copper (Total)	mg/kg	41,000	5.4	44.3	**27**			**61**			**20**		
Lead (Total)	mg/kg	800	0.0537	40.2	**160**			**240**			**280**		
Mercury (Total)	mg/kg	310	0.1	0.3392	**0.11**		U	0.05	J	U	0.05	J	U
Nickel (Total)	mg/kg	20,000	13.6	80.2	**14**			**18**			**18**		
Selenium (Total)	mg/kg	5,100	0.0276	3.7	**1.2**		J	**0.41**		J	**0.55**		
Silver (Total)	mg/kg	5,100	4.04	0.2	0.18			0.11			0.18		
Thallium (Total)	mg/kg	67	0.0569	3.7	**0.11**			**0.13**			**0.17**		
Vanadium (Total)	mg/kg	1,000	1.59	65	**6.5**			**15**			**17**		
Zinc (Total)	mg/kg	100,000	6.62	162.3	**730**			**260**			**500**		

		Human Health Target Decision Level	Ecological Target Decision Level	Background Concentrations	5-3-SS-Dup	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SS-Dup2	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag
Antimony (Total)	mg/kg	410	0.142	2.39	**2.5**			**0.62**		
Arsenic (Total)	mg/kg	1.6	5.7	98	*3.4*			*3.8*		
Barium (Total)	mg/kg	67,000	1.04	254.4	**1100**		J	**170**		J
Beryllium (Total)	mg/kg	1,900	1.06	1.81	0.54			0.19		
Cadmium (Total)	mg/kg	450	0.0022	0.539	**0.68**			**13**		
Chromium (Total)	mg/kg	100,000	0.4	32.5	**15**			**13**		
Chromium, Hexavalent	mg/kg	64	NA	NA	2.1	U	UJ	11	J	J
Cobalt (Total)	mg/kg	1,900	0.14	43.1	**70**			**47**		
Copper (Total)	mg/kg	41,000	5.4	44.3	**22**			**21**		
Lead (Total)	mg/kg	800	0.0537	40.2	**260**			**120**		
Mercury (Total)	mg/kg	310	0.1	0.3392	0.04	J	U	0.069		U
Nickel (Total)	mg/kg	20,000	13.6	80.2	**19**			11		
Selenium (Total)	mg/kg	5,100	0.0276	3.7	**0.52**			**1.1**		J
Silver (Total)	mg/kg	5,100	4.04	0.2	0.19			0.15		
Thallium (Total)	mg/kg	67	0.0569	3.7	**0.18**			**0.091**	J	J
Vanadium (Total)	mg/kg	1,000	1.59	65	**17**			**6.7**		
Zinc (Total)	mg/kg	100,000	6.62	162.3	**590**			**600**		

Yellow shading indicates result exceeds background concentration.
J - The associated numerical value is an estimated quantity.
UJ - The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.
U - The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
Bold text indicates that value exceeds the applicable Ecological Target Decision Level.
Italicised text indicates that value exceeds the applicable Human Health Target Decision Level.

TABLE 15
SUBSURFACE SOIL SAMPLES
AOI 5-3
RCRA FACILITY INVESTIGATION
LAUFEN INTERNATIONAL
EAST SPARTA, OHIO

		Human Health Target Decision Level	Ecological Target Decision Level	Soil Screening Levels (Migration to Groundwater)	Background Concentrations	5-3-SB-1-1	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SB-1-2	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SB-2-1	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SB-2-2	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SB-3-1	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SB-3-2	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag
Antimony (Total)	mg/kg	410	0.142	5	2.39	**0.71**			**0.61**			**0.44**			**0.34**			**0.25**		J+	**0.39**		J+
Arsenic (Total)	mg/kg	1.6	5.7	29	98	*3.6*		J	*4.2*		J	*3.5*		J	*1.9*		J	0.59		J+	0.99		J+
Barium (Total)	mg/kg	67,000	1.04	1,600	254.4	**66**			**88**			**55**			**53**			**31**			**32**		
Beryllium (Total)	mg/kg	1,900	1.06	63	1.81	0.68			**1.1**			0.79			0.85			0.52			1		
Cadmium (Total)	mg/kg	450	0.0022	8	0.539	**0.35**			**0.15**			**0.17**			**0.1**			**0.047**	J	J	**0.078**		
Chromium (Total)	mg/kg	100,000	0.4	38	32.5	**18**		J	**22**		J	**20**		J	**23**		J	**10**		J+	**21**		
Chromium, Hexavalent	mg/kg	64	NA	38	NA	2	U		2	U		1.7	U		1.9	U		0.63	J	J	1.9	U	UJ
Cobalt (Total)	mg/kg	1,900	0.14	NONE	43.1	**14**		J	**20**		J	**18**		J	**29**		J	**7.7**			**16**		
Copper (Total)	mg/kg	41,000	5.4	NONE	44.3	**20**		J	**24**		J	**29**		J	**30**		J	**26**		J	**26**		J
Lead (Total)	mg/kg	800	0.0537	NONE	40.2	**25**			**27**			**18**			**18**			**10**			**17**		
Mercury (Total)	mg/kg	310	0.1	NONE	0.3392	0.044	J		0.067			0.036	J		0.034	J		0.05	J	U	0.05	J	U
Nickel (Total)	mg/kg	20,000	13.6	130	80.2	**27**		J	**36**		J	**31**		J	**45**		J	**14**			**28**		
Selenium (Total)	mg/kg	5,100	0.0276	5	3.7	**0.45**			**0.37**			**0.53**			**0.35**			**0.27**		J-	**0.28**		J-
Silver (Total)	mg/kg	5,100	4.04	34	0.2	0.12			0.16			0.15			0.1			0.13			0.11		
Thallium (Total)	mg/kg	67	0.0569	NONE	3.7	**0.21**			**0.32**			**0.29**			**0.24**			**0.17**			**0.18**		
Vanadium (Total)	mg/kg	1,000	1.59	6,000	65	**18**		J	**23**		J	**21**		J	**22**		J	**12**			**20**		
Zinc (Total)	mg/kg	100,000	6.62	12,000	162.3	**66**			**69**			**72**			**89**			**36**	B	J	**73**	B	J

J - The associated numerical value is an estimated quantity.
J+ - The associated numerical value is an estimated quantity, potentially biased high.
J- - The associated numerical value is an estimated quantity, potentially biased low.
U - The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
UJ - The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.
B - The analyte concentration in the associated method blank was greater than or equal to the reporting limit. The positive sample result is considered
Bold text indicates that value exceeds the applicable Ecological Target Decision Level.
Italicised text indicates that value exceeds the applicable Human Health Target Decision Level.

TABLE 16
SURFACE WATER SAMPLES
AOI 5-3
RCRA FACILITY INVESTIGATION
LAUFEN INTERNATIONAL
EAST SPARTA, OHIO

		Human Health Target Decision Level	Ecological Target Decision Level	5-3-SW-1	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SW-2	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SW-3	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SW-4	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SW-Dup-1	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SW-Dup-2	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag
Antimony (Total)	mg/L	4.3	0.19	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U
Arsenic (Total)	mg/L	0.1	0.15	0.0021			0.00057	J	J	0.00066	J	J	0.00072	J	J	0.00077	J	J	0.00057	J	J
Barium (Total)	mg/L	20	0.22	0.11			0.031			0.022			0.029			0.028			0.027		
Beryllium (Total)	mg/L	0.28	HD	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U
Cadmium (Total)	mg/L	0.05	HD	0.00011	J	J	0.0002	U	U	0.0002	U	U	0.000065	J	J	0.0002	U	U	0.0002	U	U
Chromium (Total)	mg/L	1.0	HD	0.0059		J+	0.0013		J+	0.001	J	U	0.001	J	U	0.0015		J+	0.001	U	U
Chromium, Hexavalent	mg/L	1.0	0.011	0.005	U	U	0.005	U	U	0.0009	J	J	0.005	U	U	0.005	U	U	0.005	U	U
Cobalt (Total)	mg/L	NA	0.024	0.0041			0.00045	J	J	0.0004	J	J	0.00057	J	J	0.00076	J	J	0.00033	J	J
Copper (Total)	mg/L	1.3	HD	0.0055			0.0014		J+	0.001		J+	0.0015		J+	0.0017		J+	0.0013		J+
Lead (Total)	mg/L	0.15	HD	**0.0064**		J+	0.001	J	U	0.001	J	U	0.0012		J+	0.0019		J+	0.001	J	U
Mercury (Total)	mg/L	0.000012	0.00091	*0.0002**	U	U	*0.000056*	J	J	*0.0002**	U	U	*0.0002**	U	U	*0.0002**	U	U	*0.0002**	U	U
Nickel (Total)	mg/L	4.6	HD	0.015			0.0026			0.0014			0.0019			0.0021			0.0015		
Selenium (Total)	mg/L	11.0	0.005	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U
Silver (Total)	mg/L	1.0	0.0013	0.00015	J	J	0.0002	U	U	0.0002	U	U	0.0002	U	U	0.0002	U	U	0.0002	U	U
Thallium (Total)	mg/L	0.0063	0.017	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U
Vanadium (Total)	mg/L	NA	0.044	0.0095			0.0013		J+	0.0013		J+	0.0015		J+	0.0016		J+	0.0011		J+
Zinc (Total)	mg/L	69.0	HD	0.049	B	J	0.026	B	J+	0.0099	B	J+	0.016	B	J+	0.015	B	J+	0.01	B	J+
Hardness as CaCO3	mg/L			60			70			92			92			90			80		

		Human Health Target Decision Level	Ecological Target Decision Level	5-3-SW-5	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SW-6	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SW-7	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	Dup-2	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag
Antimony (Total)	mg/L	4.3	0.19	0.001	U	U	0.00077	J	J	0.001	U	U	0.001	U	U
Arsenic (Total)	mg/L	0.1	0.15	0.00085	J	J	0.00076	J	J	0.001	U	U	0.001	U	U
Barium (Total)	mg/L	20	0.22	0.051			0.05			0.1			0.047		
Beryllium (Total)	mg/L	0.28	HD	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U
Cadmium (Total)	mg/L	0.05	HD	0.0002	U	U	0.0002	U	U	0.0002	U	U	0.0002	U	U
Chromium (Total)	mg/L	1.0	HD	0.00074	J	J	0.00094	J	J	0.00073	J	J	0.00077	J	J
Chromium, Hexavalent	mg/L	1.0	0.011	0.005	U	U	0.0013	J	J	0.0018	J	J	0.005	U	U
Cobalt (Total)	mg/L	NA	0.024	0.00019	J	J	0.0002	J	J	0.00049	J	J	0.00018	J	J
Copper (Total)	mg/L	1.3	HD	0.00037	J	J	0.00071	J	J	0.00056	J	J	0.00039	J	J
Lead (Total)	mg/L	0.15	HD	0.001	U	U	0.00066	J	J	0.001	U	U	0.0004	J	J
Mercury (Total)	mg/L	0.000012	0.00091	*0.0002**	U	U	*0.0002**	U	U	*0.0002**	U	U	*0.0002**	U	U
Nickel (Total)	mg/L	4.6	HD	0.0012			0.0019			0.0019			0.0012		
Selenium (Total)	mg/L	11.0	0.005	0.001	U	U	0.001	U	U	0.001	U	U	0.00097	J	J
Silver (Total)	mg/L	1.0	0.0013	0.0002	U	U	0.0002	U	U	0.0002	J	J	0.0002	U	U
Thallium (Total)	mg/L	0.0063	0.017	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U
Vanadium (Total)	mg/L	NA	0.044	0.001	U	U	0.001	U	U	0.001	U	U	0.001	U	U
Zinc (Total)	mg/L	69.0	HD	0.0074		J+	0.026			0.0059		J+	0.011		
Hardness as CaCO3	mg/L						110			170			170		

Phase I and Phase II samples separated by dark solid line.
Duplicates: Phase I - Dup-1 = , Dup-2 = ; Phase II - Dup-2 = 5-3-SW-5
J - The associated numerical value is an estimated quantity.
J+ - The associated numerical value is an estimated quantity, potentially biased high.
U - The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.
B - The analyte concentration in the associated method blank was greater than or equal to the reporting limit. The positive sample result is considered estimated.
Bold text indicates that value exceeds the applicable Ecological Target Decision Level.
Italicised text indicates that value exceeds the applicable Human Health Target Decision Level.
*Laboratory detection limit exceeds Target Decision Level.
HD - The ecological TDL for these paramter are hardness dependent. Hardness specific ecological TDLs for these parameters are listed in Appendix G.

TABLE 17
SEDIMENT SAMPLES
AOI 5-3
RCRA FACILITY INVESTIGATION
LAUFEN INTERNATIONAL
EAST SPARTA, OHIO

		Human Health Target Decision Level	Ecological Target Decision Level	5-3-SED-1	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SED-2	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SED-3	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SED-4	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SED-Dup-1	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag
Antimony (Total)	mg/kg	310	2	0.39		J+	0.29		J+	0.5		J+	0.36		J+	0.55		J+
Arsenic (Total)	mg/kg	3.9	9.79	*6.4*			3.4			3.2			1.3			3.2		
Barium (Total)	mg/kg	54,000	48	**160**			**140**			**110**			**64**			**110**		
Beryllium (Total)	mg/kg	1,500	NA	1			0.97			0.61			0.37			0.66		
Cadmium (Total)	mg/kg	370	0.99	0.22			0.37			0.35			0.43			0.34		
Chromium (Total)	mg/kg	1,000,000	43.4	13		J	14		J+	14		J+	8.1		J+	13		J+
Chromium, Hexavalent	mg/kg	300	NA	2.5	U	U	0.28	J	J	2.6	U	U	1.8	U	U	2.5	U	U
Cobalt (Total)	mg/kg	9,000	50	13			7.5			10			4.6			11		
Copper (Total)	mg/kg	31,000	31.6	13		J	15		J	14		J	11		J	14		J
Lead (Total)	mg/kg	400	35.8	24			31			**77**			33			**79**		
Mercury (Total)	mg/kg	230	0.174	0.05	J	U	0.071			0.077			0.061		J+	0.079		
Nickel (Total)	mg/kg	16,000	22.7	**31**			21			16			12			15		
Selenium (Total)	mg/kg	3,900	2	0.68			0.9			0.69			0.65			0.67		
Silver (Total)	mg/kg	3,900	0.5	0.14			0.11			0.098	J	J	0.12			0.093	J	J
Thallium (Total)	mg/kg	52	NA	0.16			0.19			0.22			0.12			0.22		
Vanadium (Total)	mg/kg	780	57	21			20			20			12			20		
Zinc (Total)	mg/kg	230,000	121	**170**	B	J	93	B	J	100	B	J	91	B	J	95	B	J

		Human Health Target Decision Level	Ecological Target Decision Level	5-3-SED-Dup-2	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SED-5	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SED-6	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag	5-3-SED-7	Lab Data Qualifier Flag	Data Validator Data Qualifier Flag
Antimony (Total)	mg/kg	310	2	0.23		J+	1.1			0.45			0.72		
Arsenic (Total)	mg/kg	3.9	9.79	2.8			*6.1*			5.5			***14***		
Barium (Total)	mg/kg	54,000	48	**110**			**160**			**84**			**160**		
Beryllium (Total)	mg/kg	1,500	NA	0.75			0.82			0.77			1.7		
Cadmium (Total)	mg/kg	370	0.99	0.28			**1.1**			0.2			0.2		
Chromium (Total)	mg/kg	1,000,000	43.4	11		J	**580**			14			20		
Chromium, Hexavalent	mg/kg	300	NA	4	U	U	4.7	U	UJ	2.7	U	UJ	2.7	U	UJ
Cobalt (Total)	mg/kg	9,000	50	5.6			10			9.1			21		
Copper (Total)	mg/kg	31,000	31.6	11		J	**43**			15			19		
Lead (Total)	mg/kg	400	35.8	26			**160**			18			24		
Mercury (Total)	mg/kg	230	0.174	0.062		J+	0.062			0.037	J	J	0.029	J	J
Nickel (Total)	mg/kg	16,000	22.7	16			**50**			19			**43**		
Selenium (Total)	mg/kg	3,900	2	0.73			**4.9**			0.37			0.81		
Silver (Total)	mg/kg	3,900	0.5	0.074	J	J	**0.74**			0.055	J	J	0.073	J	J
Thallium (Total)	mg/kg	52	NA	0.13			0.12	J	J	0.22			0.15		
Vanadium (Total)	mg/kg	780	57	14			**81**			23			32		
Zinc (Total)	mg/kg	230,000	121	76	B	J	**1400**			84			**130**		

Phase I and Phase II samples separated by dark solid line.

J - The associated numerical value is an estimated quantity.

J+ - The associated numerical value is an estimated quantity, potentially biased high.

U - The compound/analyte was analyzed for, but not detected. The associated numerical value is the sample quantitation limit.

UJ - The compound/analyte was analyzed for, but not detected. The sample quantitation limit is an estimated quantity.

B - The analyte concentration in the associated method blank was greater than or equal to the reporting limit. The positive sample result is considered estimated.

Bold text indicates that value exceeds the applicable Ecological Target Decision Level.

Italicised text indicates that value exceeds the applicable Human Health Target Decision Level.