Table B1
Sediment Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Area	Sample Event	Sample ID	Metals (mg/kg)																	Asbestos (% Chrysotile)
			Cyanide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Uranium	Vanadium	Zinc	
Background	PA/SI	SM-BK-SED-1	NA	2,300	<5.0	2.0	18	<0.5	<0.5	4.4	23	2.0	1,200	88	<0.1	4.1	6.3	11	17	ND
		SM-BK-SED-2	NA	5,700	<5.0	2.9	44	<0.5	<0.5	21	16	17	2,500	210	<0.1	7.0	<0.5	63	24	ND
		SM-BK-S-3	NA	13,000	<5.0	6.1	85	<0.5	0.53	15	290	12	5,400	360	<0.1	9.2	0.51	55	55	ND
		SM-BK-S-4	NA	12,000	<5.0	5.5	88	<0.5	0.53	15	230	8.9	5,800	350	<0.1	8.7	0.56	58	53	ND
		SM-BK-S-5	NA	14,000	<5.0	5.1	110	<0.5	0.5	12	380	15	5,900	400	1	9.5	<0.5	37	62	ND
	EE/CA	SM-BKG-1E	NA	NA	NA	5.6	100	NA	<0.30	21	70	11	NA	310	<0.05	NA	<0.5	NA	50	ND
		SM-BKG-2E	NA	NA	NA	4.1	120	NA	<0.30	18	98	12	NA	440	<0.05	NA	<0.5	NA	64	ND
		SM-BKG-3E	NA	NA	NA	4.7	110	NA	<0.30	17	71	10	NA	400	<0.05	NA	<0.5	NA	60	ND
		SM-BKG-4E	NA	NA	NA	6.4	130	NA	<0.30	17	120	12	NA	480	<0.05	NA	0.5	NA	71	ND
Area 2	EE/CA	SED-1	NA	NA	NA	4.3	100	NA	<0.30	16	110	**14**	NA	390	<0.05	NA	<0.50	NA	**64**	ND
		SED-2	NA	NA	NA	2.1	100	NA	<0.30	**41**	62	12	NA	**500**	<0.05	NA	0.51	NA	53	ND
		SED-3	NA	NA	NA	3.7	72	NA	<0.30	**19**	64	10	NA	320	<0.05	NA	<0.50	NA	47	ND
		SED-4	NA	NA	NA	2.9	53	NA	<0.30	7.2	29	5.5	NA	220	<0.05	NA	<0.50	NA	35	ND
		SED-5	NA	NA	NA	2.7	62	NA	<0.30	**25**	**260**	**14**	NA	260	<0.05	NA	<0.50	NA	41	ND
		SED-5-FD	NA	NA	NA	2.6	63	NA	<0.30	**31**	65	**18**	NA	270	<0.05	NA	<0.50	NA	45	ND
		SED-6	NA	NA	NA	2.9	58	NA	<0.30	**28**	190	**58**	NA	250	<0.05	NA	<0.50	NA	47	ND
		SED-7	NA	NA	NA	2.6	51	NA	<0.30	**20**	24	7.5	NA	220	<0.05	NA	<0.50	NA	40	ND
		SED-8	NA	NA	NA	2.1	65	NA	<0.30	**31**	59	**17**	NA	260	<0.05	NA	<0.50	NA	47	ND
		SED-9	NA	NA	NA	4.4	**120**	NA	<0.30	15	98	**14**	NA	390	<0.05	NA	0.51	NA	**63**	<=1
		SED-10	NA	NA	NA	3.4	61	NA	<0.30	**24**	66	**20**	NA	260	<0.05	NA	<0.50	NA	56	<=1
		SED-11	NA	NA	NA	3.4	55	NA	<0.30	**20**	35	**36**	NA	230	<0.05	NA	<0.50	NA	33	ND
		SED-11-FD	NA	NA	NA	3.2	46	NA	<0.30	**21**	31	11	NA	190	<0.05	NA	<0.50	NA	31	<=1
		SED-12	NA	NA	NA	2.4	54	NA	<0.30	**41**	64	**64**	NA	250	<0.05	NA	<0.50	NA	48	ND
		SED-13	NA	NA	NA	2.9	53	NA	<0.30	**20**	60	9.8	NA	210	<0.05	NA	<0.50	NA	36	ND
		SED-14	NA	NA	NA	2.5	67	NA	<0.30	**53**	44	**42**	NA	300	<0.05	NA	<0.50	NA	47	<=1
		SED-15	NA	NA	NA	1.4	35	NA	<0.30	11	10	**14**	NA	140	<0.05	NA	<0.50	NA	24	ND
		SED-16	NA	NA	NA	<1.0	54	NA	<0.30	**24**	17	6.7	NA	230	<0.05	NA	<0.50	NA	36	ND
		SED-17	NA	NA	NA	1	27	NA	<0.30	9.8	9	4.5	NA	120	<0.05	NA	<0.50	NA	19	ND
Various	PA/SI	SM-A2-SED-12	NA	3,600	<5.0	3.4	33	<0.5	<0.5	22	120	**49**	1,600	160	<0.1	7.6	0.91	**76**	23	ND
		SM-A2-SED-13	NA	5,500	<5.0	4.3	31	<0.5	<0.5	16	16	7.3	2,400	180	<0.1	7.5	<0.5	48	28	ND
		SM-A6-SED-1	NA	3,700	<5.0	2.4	33	<0.5	<0.5	**19**	11	**28**	1,700	160	<0.1	5.7	<0.5	57	18	ND
		SM-A7-SED-2	NA	4,400	<5.0	2.6	29	<0.5	<0.5	**19**	21	7.6	2,400	160	<0.1	6.4	<0.5	59	22	ND
Action Level	Background UCL_{95}		NA	14,000	<5.0	5.62	112	<0.5	0.53	18.8	223	13.7	5,900	413	1	9.5	6.3	63	62	NA
	AZ nrSRL		NE	920,000	410	10	170,000	1,900	510	65[1]	41,000	800	NE	32,000	310	20,000	200	1,000	310,000	NE

[1] Listed nrSRL is for hexavalent chromium; sample analytical results are for total chromium.

Bolded result indicates value greater than background UCL_{95}; **Red bolded** value indicates exceedance of the action level.

PA/SI sampling conducted from January 26-28, 2010; EE/CA sampling conducted from April 25-28, 2011.

A = Area
AZ = Arizona
mg/kg = miligrams per kilogram
NA = not analyzed
ND = not detected
NE = none established
nrSRL = non-residentail Soil Remediation Level
UCL_{95} = 95th percentile upper confidence limit

Table B2
Surface Soil Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Area	Sample Event	Sample ID	Metals (mg/kg)																	Asbestos (% Chrysotile)
			Cyanide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Uranium	Vanadium	Zinc	
Background	PA/SI	SM-BK-SED-1	NA	2,300	<5.0	2.0	18	<0.5	<0.5	4.4	23	2.0	1,200	88	<0.1	4.1	6.3	11	17	ND
		SM-BK-SED-2	NA	5,700	<5.0	2.9	44	<0.5	<0.5	21	16	17	2,500	210	<0.1	7.0	<0.5	63	24	ND
		SM-BK-S-3	NA	13,000	<5.0	6.1	85	<0.5	0.53	15	290	12	5,400	360	<0.1	9.2	0.51	55	55	ND
		SM-BK-S-4	NA	12,000	<5.0	5.5	88	<0.5	0.53	15	230	8.9	5,800	350	<0.1	8.7	0.56	58	53	ND
		SM-BK-S-5	NA	14,000	<5.0	5.1	110	<0.5	0.5	12	380	15	5,900	400	1.0	9.5	<0.5	37	62	ND
	EE/CA	SM-BKG-1E	NA	NA	NA	5.6	100	NA	<0.30	21	70	11	NA	310	<0.05	NA	<0.5	NA	50	ND
		SM-BKG-2E	NA	NA	NA	4.1	120	NA	<0.30	18	98	12	NA	440	<0.05	NA	<0.5	NA	64	ND
		SM-BKG-3E	NA	NA	NA	4.7	110	NA	<0.30	17	71	10	NA	400	<0.05	NA	<0.5	NA	60	ND
		SM-BKG-4E	NA	NA	NA	6.4	130	NA	<0.30	17	120	12	NA	480	<0.05	NA	0.5	NA	71	ND
Area 1	PA/SI	SM-A1-S-1	<0.2	7,700	<5.0	**17**	77	<0.5	**1.9**	11	**3,700**	**150**	**6,100**	**1,200**	0.23	8.6	0.73	32	**400**	<=1
		SM-A1-S-2	<0.2	14,000	<5.0	4.3	110	**0.55**	<0.5	13	180	13	**6,300**	330	<0.1	**13**	<0.5	35	51	ND
		SM-A1-S-4	<0.2	9,800	<5.0	3.8	56	<0.5	**0.75**	10	**650**	**38**	**8,700**	**1,100**	0.78	7.6	<0.5	31	**79**	ND
		SM-A1-S-4d	<0.2	7,100	<5.0	3.7	66	<0.5	<0.5	11	**540**	**29**	3,300	250	**1.2**	7.4	<0.5	29	**80**	ND
		SM-A1-S-6	<0.2	10,000	<5.0	4.2	87	<0.5	<0.5	10	140	**21**	**7,900**	340	0.12	**9.7**	<0.5	32	57	<=1
		SM-A1-S-7	<0.2	**19,000**	<5.0	**6.3**	**130**	<0.5	**2.7**	18	**630**	**130**	**8,300**	**500**	**9.0**	**15**	0.52	31	**1,400**	<=1
		SM-A1-S-8	<0.2	8,100	<5.0	2.6	60	<0.5	<0.5	15	88	**14**	3,900	250	<0.1	**9.5**	<0.5	48	49	ND
	EE/CA	SM-A1-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-B2-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-C3-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-D2-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-D4-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-E3-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-E5-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-F2-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-F4-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-F4-SG-FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-F6-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Action Level	**Background UCL_{95}**		NA	14,000	<5.0	5.62	112	<0.5	0.53	18.8	223	13.7	5,900	413	1	9.5	6.3	63	62	NA
	AZ nrSRL		NE	920,000	410	10	170,000	1,900	510	65[(1)]	41,000	800	NE	32,000	310	20,000	200	1,000	310,000	NE

[(1)] Listed nrSRL is for hexavalent chromium; sample analytical results are for total chromium.

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S= Soil
UCL_{95} = 95th percentile upper confidence limit
WS = waste source

Table B2
Surface Soil Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Area	Sample Event	Sample ID	Metals (mg/kg)																	Asbestos (% Chrysotile)
			Cyanide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Uranium	Vanadium	Zinc	
Area 1	EE/CA	SM-G3-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-G5-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-G5-SG-FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Area 2	PA/SI	SM-A2-S-9	NA	8,600	<5.0	**6.4**	67	<0.5	<0.5	17	120	**16**	**13,000**	370	<0.1	**12**	<0.5	41	**66**	<=1
		SM-A2-S-10	NA	**14,000**	<5.0	**7.2**	110	<0.5	<0.5	11	61	**17**	**6,700**	**450**	<0.1	**13**	<0.5	27	51	ND
		SM-A2-S-15	NA	11,000	<5.0	3.8	97	<0.5	<0.5	15	42	**16**	4,800	360	<0.1	**12**	<0.5	45	**75**	ND
	EE/CA	SM-B4-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-C5-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-D6-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-D8-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-E9-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-E11-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-F8-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-F10-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-F12-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-F14-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-G7-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-G9-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-G11-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-G13-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-G15-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-H8-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-H10-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-H12-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-H14-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-H14-SG-FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-I3-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-I13-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-I13-SG-FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-K5-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-K5-SG-FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Action Level	**Background UCL_{95}**		NA	14,000	<5.0	5.62	112	<0.5	0.53	18.8	223	13.7	5,900	413	1	9.5	6.3	63	62	NA
	AZ nrSRL		NE	920,000	410	10	170,000	1,900	510	65[1]	41,000	800	NE	32,000	310	20,000	200	1,000	310,000	NE

[1] Listed nrSRL is for hexavalent chromium; sample analytical results are for total chromium.

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ND = not detected
NE = none established
nrSRL = non-residentail Soil Remediation Level
S= Soil
UCL_{95} = 95th percentile upper confidence limit
WS = waste source

Table B2
Surface Soil Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Area	Sample Event	Sample ID	Metals (mg/kg)																	Asbestos (% Chrysotile)
			Cyanide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Uranium	Vanadium	Zinc	
Area 3	PA/SI	SM-A3-S-1	NA	12,000	<5.0	3.1	80	<0.5	<0.5	14	20	6.1	4,600	290	0.19	**10**	<0.5	39	38	ND
		SM-A3-S-2	NA	11,000	<5.0	**14**	95	<0.5	**1.0**	**20**	110	**94**	**6,600**	**440**	0.19	**11**	<0.5	59	**110**	<=1
		SM-A3-S-4	NA	7,800	<5.0	**20**	**130**	<0.5	**2.9**	13	**730**	**270**	5,700	**510**	**1.9**	**11**	0.75	43	**480**	ND
		SM-A3-S-5	NA	8,100	<5.0	**9.5**	82	<0.5	**1.8**	**20**	**270**	**89**	4,300	300	0.22	**9.5**	0.56	38	**230**	<=1
		SM-A3-S-7	<0.2	12,000	<5.0	**10**	88	<0.5	**0.69**	**19**	140	**37**	5,800	390	<0.1	**12**	0.52	41	**81**	ND
	EE/CA	SM-J8-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J8-SG-FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Area 5	PA/SI	SM-A5-S-1	<0.2	**18,000**	<5.0	**17**	**220**	**0.51**	**1.7**	**31**	**230**	**210**	**10,000**	**830**	0.18	**24**	<0.5	**79**	**300**	<=1
		SM-A5-S-2	<0.2	**21,000**	<5.0	**18**	**720**	<0.5	**4.1**	17	**540**	**740**	**6,800**	**450**	0.98	**13**	2.2	37	**660**	ND
		SM-A5-S-3	<0.2	5,200	<5.0	5.2	**270**	<0.5	**1.4**	11	83	**200**	2,800	**550**	0.1	7.6	<0.5	29	**170**	ND
		SM-A5-S-4	<0.2	**23,000**	<5.0	**7.1**	**190**	**0.78**	**0.77**	15	220	**47**	**7,700**	**500**	<0.10	**16**	<0.5	37	**88**	ND
		SM-A5-S-5	<0.2	8,300	<5.0	4.9	**1,700**	<0.5	**2.2**	9.2	81	**300**	2,800	210	<0.10	7.2	<0.5	13	**180**	ND
	EE/CA	SM-K7-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-K9-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-L6-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-L8-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-L10-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-M7-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-N8-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-N10-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-O9-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Area 6	PA/SI	SM-A6-S-2	NA	10,000	<5.0	4.6	85	<0.5	<0.5	18	79	11	**6,100**	300	<0.1	**10**	0.53	47	45	<=1
		SM-A6-S-3	NA	13,000	<5.0	5.0	100	<0.5	<0.5	18	190	10	5,800	380	<0.1	**11**	<0.5	56	47	ND
		SM-A6-S-4	NA	9,400	<5.0	3.8	74	<0.5	<0.5	14	**230**	**14**	4,100	290	<0.1	**10**	<0.5	37	48	ND
Action Level	**Background UCL_{95}**		NA	14,000	<5.0	5.62	112	<0.5	0.53	18.8	223	13.7	5,900	413	1	9.5	6.3	63	62	NA
	AZ nrSRL		NE	920,000	410	10	170,000	1,900	510	65[1]	41,000	800	NE	32,000	310	20,000	200	1,000	310,000	NE

[1] Listed nrSRL is for hexavalent chromium; sample analytical results are for total chromium.

Bolded result indicates value greater than background UCL_{95}; **Red bolded** value indicates exceedance of the action level.

PA/SI sampling conducted from January 26-28, 2010; EE/CA sampling conducted from April 25-28, 2011.

A = Area
AZ = Arizona
ID = Identification
mg/kg = miligrams per kilogram
NA = not analyzed
ND = not detected
NE = none established
nrSRL = non-residentail Soil Remediation Level
S= Soil
UCL_{95} = 95th percentile upper confidence limit
WS = waste source

Table B2
Surface Soil Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Area	Sample Event	Sample ID	Metals (mg/kg)																	Asbestos (% Chrysotile)
			Cyanide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Uranium	Vanadium	Zinc	
Area 6	EE/CA	SM-K3-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-L4-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-M3-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-M5-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-N4-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-N6-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-O5-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-O7-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-O11-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-P8-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-P10-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-Q9-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-Q11-SG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Area 7	PA/SI	SM-A7-S-1	NA	13,000	<5.0	**6.0**	83	<0.5	<0.5	17	90	11	**9,500**	380	<0.1	**12**	<0.5	45	50	ND
		SM-A7-S-3	NA	12,000	<5.0	4.6	78	<0.5	<0.5	15	45	8.4	4,800	370	<0.1	**10**	<0.5	47	41	ND
		SM-A7-S-4	NA	**16,000**	<5.0	**6.0**	**120**	<0.5	<0.5	15	60	8.8	**7,200**	**510**	<0.1	**11**	<0.5	51	56	ND
Action Level	**Background UCL_{95}**		NA	14,000	<5.0	5.62	112	<0.5	0.53	18.8	223	13.7	5,900	413	1	9.5	6.3	63	62	NA
	AZ nrSRL		NE	920,000	410	10	170,000	1,900	510	65[1]	41,000	800	NE	32,000	310	20,000	200	1,000	310,000	NE

[1] Listed nrSRL is for hexavalent chromium; sample analytical results are for total chromium.

Bolded result indicates value greater than background UCL_{95}; **Red bolded** value indicates exceedance of the action level.

PA/SI sampling conducted from January 26-28, 2010; EE/CA sampling conducted from April 25-28, 2011.

A = Area
AZ = Arizona
ID = Identification
mg/kg = miligrams per kilogram
NA = not analyzed
ND = not detected
NE = none established
nrSRL = non-residentail Soil Remediation Level
S= Soil
UCL_{95} = 95th percentile upper confidence limit
WS = waste source

Table B3
Direct-Push Sample Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Area	Sample Event	Sample ID	Metals (mg/kg)																	Asbestos (% Chrysotile)
			Cyanide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Uranium	Vanadium	Zinc	
Background	PA/SI	SM-BK-SED-1	NA	2,300	<5.0	2.0	18	<0.5	<0.5	4.4	23	2.0	1,200	88	<0.1	4.1	6.3	11	17	ND
		SM-BK-SED-2	NA	5,700	<5.0	2.9	44	<0.5	<0.5	21	16	17	2,500	210	<0.1	7.0	<0.5	63	24	ND
		SM-BK-S-3	NA	13,000	<5.0	6.1	85	<0.5	0.53	15	290	12	5,400	360	<0.1	9.2	0.51	55	55	ND
		SM-BK-S-4	NA	12,000	<5.0	5.5	88	<0.5	0.53	15	230	8.9	5,800	350	<0.1	8.7	0.56	58	53	ND
		SM-BK-S-5	NA	14,000	<5.0	5.1	110	<0.5	0.5	12	380	15	5,900	400	1	9.5	<0.5	37	62	ND
	EE/CA	SM-BKG-1E	NA	NA	NA	5.6	100	NA	<0.30	21	70	11	NA	310	<0.05	NA	<0.5	NA	50	ND
		SM-BKG-2E	NA	NA	NA	4.1	120	NA	<0.30	18	98	12	NA	440	<0.05	NA	<0.5	NA	64	ND
		SM-BKG-3E	NA	NA	NA	4.7	110	NA	<0.30	17	71	10	NA	400	<0.05	NA	<0.5	NA	60	ND
		SM-BKG-4E	NA	NA	NA	6.4	130	NA	<0.30	17	120	12	NA	480	<0.05	NA	0.5	NA	71	ND
Area 2	EE/CA	SM-H4-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-H4-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-H4-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-H6-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-H6-DP-0-FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-H6-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-H6-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-I5-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-I5-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-I5-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J4-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J4-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J4-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J6-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J6-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J6-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Action Level	**Background UCL_{95}**		NA	14,000	<5.0	5.62	112	<0.5	0.53	18.8	223	13.7	5,900	413	1	9.5	6.3	63	62	NA
	AZ nrSRL		NE	920,000	410	10	170,000	1,900	510	65[(1)]	41,000	800	NE	32,000	310	20,000	200	1,000	310,000	NE

[(1)] Listed nrSRL is for hexavalent chromium; sample analytical results are for total chromium.

Bolded result indicates value greater than background UCL_{95}; **Red bolded** value indicates exceedance of the action level.

PA/SI sampling conducted from May 10-12, 2010; EE/CA sampling conducted from April 25-28, 2011.

A = Area
AZ = Arizona
ID = Identification
mg/kg = miligrams per kilogram
ND = not detected
NE = none established
nrSRL = non-residentail Soil Remediation Level
UCL_{95} = 95th percentile upper confidence limit
WS = waste source

Table B3
Direct-Push Sample Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Area	Sample Event	Sample ID	Metals (mg/kg)																	Asbestos (% Chrysotile)
			Cyanide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Uranium	Vanadium	Zinc	
Area 3	EE/CA	SM-J10-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-J10-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J10-DP-3FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J10-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J10A-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-J10A-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-J10A-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J10B-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<=1
		SM-J10B-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J10B-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Area 4	EE/CA	SM-I11-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-I11-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-I11-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-I11-DP-5FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J12-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J12-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J12-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-J12-DP-5FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-K11-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-K11-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-K11-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-K12-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-K12-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-K12-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Action Level	**Background UCL_{95}**		NA	14,000	<5.0	5.62	112	<0.5	0.53	18.8	223	13.7	5,900	413	1	9.5	6.3	63	62	NA
	AZ nrSRL		NE	920,000	410	10	170,000	1,900	510	65[(1)]	41,000	800	NE	32,000	310	20,000	200	1,000	310,000	NE

[(1)] Listed nrSRL is for hexavalent chromium; sample analytical results are for total chromium.

Bolded result indicates value greater than background UCL_{95}; **Red bolded** value indicates exceedance of the action level.

PA/SI sampling conducted from May 10-12, 2010; EE/CA sampling conducted from April 25-28, 2011.

A = Area
AZ = Arizona
ID = Identification
mg/kg = miligrams per kilogram
ND = not detected
NE = none established
nrSRL = non-residentail Soil Remediation Level
UCL_{95} = 95th percentile upper confidence limit
WS = waste source

Table B3
Direct-Push Sample Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Area	Sample Event	Sample ID	Metals (mg/kg)																	Asbestos (% Chrysotile)
			Cyanide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Uranium	Vanadium	Zinc	
Area 4	EE/CA	SM-K13-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-K13-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-K13-DP-3FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-K13-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-L12-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-L12-DP-0FD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-L12-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-L12-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-M11-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-M11-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-M11-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-M12-DP-0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-M12-DP-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
		SM-M12-DP-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND
Area 5	PA/SI	SM-A5-DP-1-0	<0.2	6,700	<5.0	4.2	79	<0.5	<0.5	**19**	15	7.0	3,300	220	<0.10	**12**	<0.50	54	44	ND
		SM-A5-DP-1-3	<0.2	9,000	<5.0	3.8	63	<0.5	<0.5	15	12	5.8	3,900	250	<0.10	9.2	<0.50	41	33	ND
		SM-A5-DP-1-6	<0.2	4,800	<5.0	3.2	39	<0.5	<0.5	**24**	8.0	5.8	2,200	170	<0.10	7.5	<0.50	**79**	22	ND
		SM-A5-DP-1-9	<0.2	7,400	<5.0	4	50	<0.5	<0.5	15	9.2	5.4	2,900	190	<0.10	8.6	<0.50	41	28	ND
		SM-A5-DP-1-12	<0.2	6,700	<5.0	3.1	65	<0.5	<0.5	16	9.6	5.1	3,500	270	<0.10	9.1	<0.50	46	30	ND
		SM-A5-DP-1-15	<0.2	11,000	<5.0	4.2	100	<0.5	<0.5	15	14	7.0	5,800	400	<0.10	**13**	0.53	45	47	ND
		SM-A5-DP-2-0	<0.2	10,000	<5.0	4.1	90	<0.5	<0.5	15	16	8.2	4,800	310	<0.10	**11**	<0.50	41	38	ND
		SM-A5-DP-2-0d	<0.2	7,900	<5.0	5.2	61	<0.5	<0.5	9.8	12	5.3	3,900	270	<0.10	**9.6**	0.65	29	32	ND
		SM-A5-DP-2-3	<0.2	9,100	<5.0	3.4	73	<0.5	<0.5	12	11	4.9	4,300	260	<0.10	**9.9**	<0.50	34	34	ND
		SM-A5-DP-2-6	<0.2	9,500	<5.0	3.2	88	<0.5	<0.5	8.7	13	5.9	4,800	330	<0.10	**9.8**	<0.50	26	37	ND
		SM-A5-DP-2-9	<0.2	5,900	<5.0	2.7	55	<0.5	<0.5	7.8	7.9	3.7	2,800	190	<0.10	6.7	<0.50	24	23	ND
		SM-A5-DP-2-12	<0.2	9,600	<5.0	4.0	77	<0.5	<0.5	12	16	5.6	4,700	290	<0.10	**11**	0.75	31	36	ND
		SM-A5-DP-2-15	<0.2	9,200	<5.0	4.3	72	<0.5	<0.5	12	33	6.9	4,500	280	<0.10	**10**	<0.50	27	37	ND
		SM-A5-DP-3-0	<0.2	6,100	<5.0	2.9	49	<0.5	<0.5	11	9.6	4.9	2,800	210	<0.10	7.1	<0.50	36	23	ND
		SM-A5-DP-3-3	<0.2	11,000	<5.0	4.2	110	<0.5	<0.5	15	19	6.9	5,300	390	<0.10	**13**	<0.50	40	46	ND
		SM-A5-DP-3-6	<0.2	10,000	<5.0	4.3	94	<0.5	<0.5	**22**	30	9.7	4,500	300	<0.10	**11**	<0.50	54	39	ND
		SM-A5-DP-3-9	<0.2	11,000	<5.0	4.5	95	<0.5	<0.5	13	21	7.0	5,200	340	<0.10	**11**	<0.50	36	45	ND
Action Level	**Background UCL_{95}**		NA	14,000	<5.0	5.62	112	<0.5	0.53	18.8	223	13.7	5,900	413	1	9.5	6.3	63	62	NA
	AZ nrSRL		NE	920,000	410	10	170,000	1,900	510	65[(1)]	41,000	800	NE	32,000	310	20,000	200	1,000	310,000	NE

[(1)] Listed nrSRL is for hexavalent chromium; sample analytical results are for total chromium.

Bolded result indicates value greater than background UCL_{95}; **Red bolded** value indicates exceedance of the action level.

PA/SI sampling conducted from May 10-12, 2010; EE/CA sampling conducted from April 25-28, 2011.

A = Area
mg/kg = miligrams per kilogram
NE = none established
UCL_{95} = 95th percentile upper confidence limit
AZ = Arizona
ND = not detected
nrSRL = non-residentail Soil Remediation Level
WS = waste source

Table B3
Direct-Push Sample Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Area	Sample Event	Sample ID	Metals (mg/kg)																	Asbestos (% Chrysotile)
			Cyanide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Uranium	Vanadium	Zinc	
Area 5	PA/SI	SM-A5-DP-3-12	<0.2	13,000	<5.0	4.4	88	<0.5	<0.5	14	29	7.5	**6,300**	330	<0.10	**11**	<0.50	39	46	ND
		SM-A5-DP-3-15	<0.2	13,000	<5.0	4.7	**120**	<0.5	<0.5	13	16	7.5	**6,000**	410	<0.10	**13**	<0.50	38	52	ND
		SM-A5-DP-4-0	<0.2	8,900	<5.0	4.0	69	<0.50	<0.50	17	13	5.9	3,900	260	<0.10	**10**	<0.50	50	33	ND
		SM-A5-DP-4-3	<0.2	14,000	<5.0	4.5	110	<0.50	<0.50	14	15	6.8	**6,400**	380	<0.10	**12**	<0.50	37	47	ND
		SM-A5-DP-4-6	<0.2	13,000	<5.0	5.0	**120**	<0.50	<0.50	14	17	7.3	5,900	380	<0.10	**13**	<0.50	38	53	ND
		SM-A5-DP-4-9	<0.2	12,000	<5.0	5.2	110	<0.50	<0.50	16	16	6.0	5,600	340	<0.10	**12**	<0.50	43	48	ND
		SM-A5-DP-4-12	<0.2	**17,000**	<5.0	4.0	96	<0.50	<0.50	13	16	6.2	**9,600**	320	<0.10	**12**	<0.50	36	45	ND
		SM-A5-DP-4-15	<0.2	12,000	<5.0	5.5	**210**	**0.54**	<0.50	18	26	11	5,500	**620**	<0.10	**20**	0.64	54	**81**	ND
		SM-A5-DP-5-0	<0.2	13,000	<5.0	4.6	100	<0.50	<0.50	18	20	6.7	**6,300**	330	<0.10	**12**	<0.50	46	47	ND
		SM-A5-DP-5-3	<0.2	13,000	<5.0	4.9	110	<0.50	<0.50	17	33	9.0	5,900	400	<0.10	**13**	<0.50	47	54	ND
		SM-A5-DP-5-6	<0.2	12,000	<5.0	4.5	110	<0.50	<0.50	13	18	7.1	5,500	380	<0.10	**13**	<0.50	34	49	ND
		SM-A5-DP-5-9	<0.2	14,000	<5.0	4.5	110	<0.50	<0.50	14	15	6.9	**6,400**	340	<0.10	**12**	0.51	38	43	ND
		SM-A5-DP-5-12	<0.2	14,000	<5.0	5.0	**120**	<0.50	<0.50	**20**	27	8.5	5,900	400	<0.10	**14**	<0.50	42	53	ND
		SM-A5-DP-5-15	<0.2	**25,000**	<5.0	4.4	**120**	<0.50	<0.50	12	16	6.3	**8,700**	360	<0.10	**12**	<0.50	29	46	ND
		SM-A5-DP-6-0	<0.2	10,000	<5.0	**8.6**	**180**	<0.50	<0.50	18	150	**21**	5,000	**500**	<0.10	**19**	0.59	39	**73**	ND
		SM-A5-DP-6-3	<0.2	10,000	<5.0	3.7	82	<0.50	<0.50	13	13	5.1	5,300	290	<0.10	**11**	<0.50	32	43	ND
		SM-A5-DP-6-6	<0.2	11,000	<5.0	3.6	110	<0.50	<0.50	10	13	7.0	5,600	360	<0.10	**12**	<0.50	30	46	ND
		SM-A5-DP-6-9	<0.2	10,000	<5.0	4.0	93	<0.50	<0.50	11	13	5.1	4,800	300	<0.10	**10**	<0.50	30	41	ND
		SM-A5-DP-7-0	<0.2	**22,000**	<5.0	**13**	**190**	**0.98**	**1.3**	**25**	**250**	**87**	**8,300**	**650**	0.17	**22**	0.70	52	**140**	ND
		SM-A5-DP-7-3	<0.2	5,100	**13**	**15**	**1,900**	<0.50	**10**	**21**	150	**1,200**	1,900	**600**	**2.0**	**14**	1.1	16	**840**	ND
		SM-A5-DP-7-6	<0.2	**18,000**	<5.0	**11**	**260**	**0.74**	**1.0**	17	49	**85**	**8,400**	**470**	0.12	**17**	0.72	39	**110**	ND
		SM-A5-DP-7-9	<0.2	9,800	<5.0	**6.4**	**180**	**0.52**	<0.50	17	22	8.4	5,800	**500**	<0.10	**17**	0.59	46	**65**	ND
		SM-A5-DP-8-0	<0.2	**18,000**	<5.0	**18**	**330**	**0.50**	**20**	18	**520**	**1,900**	**7,900**	**1,000**	0.59	**17**	0.88	42	**4,600**	ND
		SM-A5-DP-8-3	<0.2	5,300	<5.0	4.0	39	<0.50	<0.50	14	61	5.3	2,300	180	<0.10	7.1	<0.50	39	24	ND
		SM-A5-DP-8-6	<0.2	**18,000**	<5.0	**6.1**	**170**	**0.54**	**1.1**	**21**	41	**58**	**7,900**	**460**	<0.10	**17**	0.67	51	**210**	ND
		SM-A5-DP-8-9	<0.2	12,000	<5.0	**6.6**	**170**	**0.64**	<0.50	16	23	8.6	**7,100**	**470**	<0.10	**18**	0.63	41	60	ND
Action Level	**Background UCL_{95}**		NA	14,000	<5.0	5.62	112	<0.5	0.53	18.8	223	13.7	5,900	413	1	9.5	6.3	63	62	NA
	AZ nrSRL		NE	920,000	410	10	170,000	1,900	510	65[1]	41,000	800	NE	32,000	310	20,000	200	1,000	310,000	NE

[1] Listed nrSRL is for hexavalent chromium; sample analytical results are for total chromium.

Bolded result indicates value greater than background UCL_{95}; **Red bolded** value indicates exceedance of the action level.

PA/SI sampling conducted from May 10-12, 2010; EE/CA sampling conducted from April 25-28, 2011.

A = Area
AZ = Arizona
ID = Identification
mg/kg = miligrams per kilogram
ND = not detected
NE = none established
nrSRL = non-residentail Soil Remediation Level
UCL_{95} = 95th percentile upper confidence limit
WS = waste source

Table B4
Waste Source Sample Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Area	Sample Event	Waste Source ID	Sample ID	Metals (mg/kg)																	Asbestos (% Chrysotile)
				Cyanide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Uranium	Vanadium	Zinc	
Background	PA/SI	Not Applicable	SM-BK-SED-1	NA	2,300	<5.0	2.0	18	<0.5	<0.5	4.4	23	2.0	1,200	88	<0.1	4.1	6.3	11	17	ND
			SM-BK-SED-2	NA	5,700	<5.0	2.9	44	<0.5	<0.5	21	16	17	2,500	210	<0.1	7.0	<0.5	63	24	ND
			SM-BK-S-3	NA	13,000	<5.0	6.1	85	<0.5	0.53	15	290	12	5,400	360	<0.1	9.2	0.51	55	55	ND
			SM-BK-S-4	NA	12,000	<5.0	5.5	88	<0.5	0.53	15	230	8.9	5,800	350	<0.1	8.7	0.56	58	53	ND
			SM-BK-S-5	NA	14,000	<5.0	5.1	110	<0.5	0.5	12	380	15	5,900	400	1.0	9.5	<0.5	37	62	ND
	EE/CA		SM-BKG-1E	NA	NA	NA	5.6	100	NA	<0.30	21	70	11	NA	310	<0.05	NA	<0.5	NA	50	ND
			SM-BKG-2E	NA	NA	NA	4.1	120	NA	<0.30	18	98	12	NA	440	<0.05	NA	<0.5	NA	64	ND
			SM-BKG-3E	NA	NA	NA	4.7	110	NA	<0.30	17	71	10	NA	400	<0.05	NA	<0.5	NA	60	ND
			SM-BKG-4E	NA	NA	NA	6.4	130	NA	<0.30	17	120	12	NA	480	<0.05	NA	0.5	NA	71	ND
Area 1	PA/SI	**EE**	SM-A1-S-3[a]	<0.2	8,200	<5.0	**56**	**360**	**1.4**	**5.2**	**84**	**440**	**1,800**	4,900	**910**	0.65	**37**	**2.2**	**280**	**1,000**	ND
		II	SM-A1-WS-5	<0.2	9,300	<5.0	4.8	82	<0.5	0.5	10	190	**37**	5,700	360	**1.4**	8.6	<0.5	29	**82**	<=1
		DD	SM-A1-WS-9	<0.2	8,300	<5.0	**28**	79	<0.5	**12**	12	**58,000**	**1,800**	**10,000**	**14,000**	**1.4**	**12**	<0.5	33	**2,900**	ND
	EE/CA	**CC**	SM-A1-WS-1E	NA	NA	NA	4.8	190	NA	**3.1**	7	**330**	**360**	NA	330	1.1	NA	<0.50	NA	**230**	ND
Area 2	PA/SI	**Z**	SM-A2-WS-1	NA	7,400	**14**	**49**	**880**	**0.54**	**4.8**	4.9	**380**	**1,500**	5,400	**430**	<0.1	**20**	<0.5	42	**310**	ND
		AA	SM-A2-WS-2	NA	6,800	**9.6**	**28**	**410**	**0.5**	**2.2**	9	170	**490**	4,700	410	<0.1	**13**	<0.5	35	**150**	ND
		U	SM-A2-WS-3	NA	10,000	<5.0	**23**	60	**1.8**	**3.2**	4.1	210	**250**	**16,000**	**1,400**	0.22	**22**	**1.9**	**110**	**1,500**	ND
		Y	SM-A2-WS-4	NA	8,500	<5.0	**29**	73	**1.8**	**3.6**	5.1	160	**180**	**18,000**	**1,000**	0.23	**22**	**2.3**	**96**	**2,500**	ND
		--	SM-A2-WS-5	NA	11,000	<5.0	4.7	**130**	<0.5	**1.1**	12	130	**53**	5,300	350	<0.1	**11**	0.52	36	**180**	ND
		--	SM-A2-WS-6	NA	6,300	<5.0	4.2	46	<0.5	<0.5	12	73	11	2,800	240	0.46	7.7	<0.5	31	39	ND
		GG	SM-A2-WS-7	NA	9,900	<5.0	**6.4**	68	<0.5	<0.5	13	84	**17**	**7,700**	360	<0.1	**11**	<0.5	32	58	<=1
		O	SM-A2-WS-8	NA	9,400	<5.0	**6.3**	74	**0.62**	**1.5**	12	100	**120**	**6,500**	**1,300**	<0.1	**11**	0.51	40	**310**	<=1
		H	SM-A2-WS-11	NA	4,400	**13**	**73**	40	**1.2**	<0.5	5.1	**2,600**	**64**	1,600	180	0.2	4.9	**8.3**	12	**66**	ND
		--	SM-A2-WS-14	NA	11,000	<5.0	3.7	96	<0.5	<0.5	12	160	**18**	5,100	340	<0.1	**11**	0.57	35	**65**	ND
	EE/CA	**W**	SM-A2-WS-1E	NA	NA	NA	**24**	79	NA	**1.9**	15	**380**	**270**	NA	**820**	0.32	NA	**1.6**	NA	**1,100**	ND
		X	SM-A2-WS-2E	NA	NA	NA	**20**	87	NA	**2.1**	8.5	**290**	**210**	NA	**930**	0.37	NA	**1.8**	NA	**1,300**	ND
		V	SM-A2-WS-3E	NA	NA	NA	**40**	80	NA	**2.8**	11	**450**	**340**	NA	**1,100**	0.25	NA	**2.9**	NA	**1,600**	ND
		Q	SM-A2-WS-4E	NA	NA	NA	**18**	83	NA	**2.5**	4.3	**370**	**300**	NA	**1,100**	0.23	NA	**3.0**	NA	**1,500**	ND
Action Level	**Background UCL_{95}**			NA	14,000	<5.0	5.62	112	<0.5	0.53	18.8	223	13.7	5,900	413	1	9.5	6.3	63	62	NA
	AZ nrSRL			NE	920,000	410	10	170,000	1,900	510	65[(1)]	41,000	800	NE	32,000	310	20,000	200	1,000	310,000	NE

[(1)] Listed nrSRL is for hexavalent chromium; sample analytical results are for total chromium.

[a] Sample SM-A1-S-3 was identified as a soil sample. This sample was actually collected from waste source material.

Waste pile IDs were assigned in the field for volume calculation purposes (see Appendix E, Figure E2)

PA/SI sampling conducted from January 26-28, 2010; EE/CA sampling conducted from April 25-28, 2011.

Bolded result indicates value greater than background UCL_{95}; **Red bolded** value indicates exceedance of the action level.

A = Area
AZ = Arizona
mg/kg = miligrams per kilogram
ND = not detected
NE = none established
nrSRL = non-residentail Soil Remediation Level
UCL_{95} = 95th percentile upper confidence limit
WS = waste source

Table B4
Waste Source Sample Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Area	Sample Event	Waste Source ID	Sample ID	Metals (mg/kg)																	Asbestos (% Chrysotile)
				Cyanide	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Lead	Magnesium	Manganese	Mercury	Nickel	Uranium	Vanadium	Zinc	
Area 3	PA/SI	**M**	SM-A3-WS-6	<0.2	10,000	<5.0	**6.3**	110	<0.5	**3.5**	17	**810**	**200**	4,700	380	<0.1	10	0.75	51	**740**	<=1
	EE/CA	--	SM-A3-WS-1E	NA	NA	NA	**8.8**	110	NA	<0.30	**22**	110	**46**	NA	400	<0.05	NA	0.51	NA	**88**	ND
		--	SM-A3-WS-1E-FD	NA	NA	NA	**11**	110	NA	0.34	**22**	140	**54**	NA	**440**	0.083	NA	0.55	NA	**100**	ND
Area 4	PA/SI	**J**	SM-A4-WS-1	NA	10,000	<5.0	**12**	**220**	<0.5	**3.7**	17	220	**220**	5,800	**470**	**1.6**	**13**	0.74	50	**330**	ND
		G	SM-A4-WS-2	NA	5,600	**7.2**	**64**	**130**	**1.1**	**3.2**	9	**2,100**	**180**	2,400	240	0.13	7.2	**5.0**	24	**330**	ND
		--	SM-A4-WS-3	NA	9,800	<5.0	**7.0**	**150**	<0.5	**0.72**	17	92	**48**	4,700	340	0.17	**12**	<0.5	43	**100**	ND
		--	SM-A4-WS-4	NA	10,000	<5.0	3.5	90	<0.5	**0.7**	12	50	**22**	5,000	360	<0.1	9.3	<0.5	29	**140**	ND
		B	SM-A4-WS-5	NA	12,000	<5.0	3.3	100	<0.5	<0.5	13	41	11	5,500	360	<0.1	**10**	<0.5	37	57	ND
		B	SM-A4-WS-5d	NA	12,000	<5.0	3.3	96	<0.5	<0.5	12	44	10	5,700	360	<0.1	**12**	<0.5	36	56	ND
	EE/CA	**L**	SM-A4-WS-1E	NA	NA	NA	2.1	110	NA	<0.5	14	18	7.1	NA	350	<0.05	NA	<0.50	NA	47	ND
		G	SM-A4-WS-2E	NA	NA	NA	**15**	100	NA	0.53	**21**	79	**140**	NA	**510**	0.08	NA	0.76	NA	**110**	<=1%
		E	SM-A4-WS-3E	NA	NA	NA	**9.1**	**470**	NA	**2.6**	17	200	**220**	NA	**420**	0.29	NA	<0.50	NA	**460**	<=1%
		C	SM-A4-WS-4E	NA	NA	NA	4.2	**120**	NA	<0.30	18	66	**33**	NA	390	0.38	NA	<0.50	NA	**85**	<=1%
Action Level	**Background UCL_{95}**			NA	14,000	<5.0	5.62	112	<0.5	0.53	18.8	223	13.7	5,900	413	1	9.5	6.3	63	62	NA
	AZ nrSRL			NE	920,000	410	10	170,000	1,900	510	65[(1)]	41,000	800	NE	32,000	310	20,000	200	1,000	310,000	NE

[(1)] Listed nrSRL is for hexavalent chromium; sample analytical results are for total chromium.

[a] Sample SM-A1-S-3 was identified as a soil sample. This sample was actually collected from waste source material.

Waste pile IDs were assigned in the field for volume calculation purposes (see Appendix E, Figure E2)

PA/SI sampling conducted from January 26-28, 2010; EE/CA sampling conducted from April 25-28, 2011.

Bolded result indicates value greater than background UCL_{95}; **Red bolded** value indicates exceedance of the action level.

A = Area
AZ = Arizona
mg/kg = miligrams per kilogram
ND = not detected
NE = none established
nrSRL = non-residentail Soil Remediation Level
UCL_{95} = 95th percentile upper confidence limit
WS = waste source

Table B5
TCLP Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Event	Sample ID	Metals (mg/L)							
		Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Silver
EE/CA	SM-A2-WS1E	<0.020	0.48	0.025	<0.020	0.21	<0.080	<0.010	<0.020
	SM-A2-WS2E	<0.020	0.49	0.025	<0.020	0.42	<0.080	<0.010	<0.020
	SM-A2-WS3E	<0.020	0.48	0.027	<0.020	1.70	<0.080	<0.010	<0.020
	SM-AZ-WS4E	<0.020	0.44	0.03	<0.020	0.13	<0.080	<0.010	<0.020
PA/SI	SM-A1-S-3	<0.02	2.2	0.013	<0.02	0.18	3.7	<0.01	<0.02
	SM-A1-WS-9	0.022	0.025	0.057	<0.02	340	4.7	<0.01	0.022
	SM-A2-WS-1	<0.02	2.6	0.050	<0.02	1.2	**11**	<0.01	<0.02
	SM-A2-WS-2	<0.02	1.5	0.036	<0.02	0.38	**5.2**	<0.01	<0.02
	SM-A2-WS-3	<0.02	0.78	0.039	<0.02	0.27	0.53	<0.01	<0.02
	SM-A2-WS-11	<0.02	0.48	0.027	<0.02	19	1.8	<0.01	<0.02
	SM-A3-S-4	0.025	0.24	<0.008	<0.02	24	<0.08	<0.01	<0.02
	SM-A3-WS-6	<0.02	1.2	0.050	<0.02	2.6	0.60	<0.01	<0.02
	SM-A4-WS-2	0.020	0.83	0.049	<0.02	1.2	0.27	<0.01	<0.02
	SM-A5-S-2	<0.02	0.42	0.024	<0.02	0.12	<0.08	<0.01	<0.02
	SM-A5-DP-7-3	<0.02	1.8	0.18	<0.020	0.27	1.9	<0.010	<0.020
	SM-A5-DP-8-0	<0.02	0.72	0.24	<0.020	0.56	**11**	<0.010	<0.020
Action Level	**RCRA TCLP Limit Levels**	50	100	1	5	NE	5	0.2	5

PA/SI sampling conducted from January 26-28, 2010; EE/CA sampling conducted from April 25-28, 2011.

Bolded red results indicate concentrations detected above the RCRA TCLP limit.

mg/L = milligrams per liter

NE = none established

SM = Sunchief Mill Site

RCRA = Resource Conservation and Recovery Act

S = Soil (except sample SM-A1-S-3, which was a waste source sample)

TCLP = Toxicity Characteristic Leaching Potential

WS = waste source

Table B6
SPLP Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Event	Sample ID	Metals (mg/L)							
		Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Mercury	Silver
EE/CA	SM-A2-WS1E	<0.20	<0.020	<0.020	<0.020	**0.270**	<0.10	<0.010	<0.020
	SM-A2-WS2E	<0.20	<0.020	<0.020	<0.020	**0.090**	<0.10	<0.010	<0.020
	SM-A2-WS3E	<0.20	<0.020	<0.020	<0.020	0.027	<0.10	<0.010	<0.020
	SM-A2-WS4E	<0.20	<0.020	<0.020	<0.020	0.029	<0.10	<0.010	<0.020
PA/SI	SM-A1-S-3	<0.20	0.072	<0.20	<0.20	**0.170**	<0.10	<0.010	<0.020
	SM-A1-WS-9	<0.20	0.038	0.027	<0.20	**4.600**	<0.10	<0.010	<0.020
	SM-A2-WS-1	<0.20	0.22	<0.20	<0.20	**0.100**	**0.63**	<0.010	<0.020
	SM-A2-WS-2	<0.20	0.17	<0.20	<0.20	**0.100**	**0.41**	<0.010	<0.020
	SM-A2-WS-3	<0.20	0.047	<0.20	<0.20	**0.036**	<0.10	<0.010	<0.020
	SM-A2-WS-11	<0.20	0.083	<0.20	<0.20	**3.500**	<0.10	<0.010	<0.020
	SM-A3-S-4	<0.20	0.036	<0.20	<0.20	**0.130**	<0.10	<0.010	<0.020
	SM-A3-WS-6	<0.20	0.055	<0.20	<0.20	<0.020	<0.10	<0.010	<0.020
	SM-A4-WS-2	<0.20	0.075	<0.20	<0.20	**0.880**	<0.10	<0.010	<0.020
	SM-A5-S-2	<0.20	0.066	<0.20	<0.20	**0.091**	**0.12**	<0.010	<0.020
	SM-A5-DP-7-3	<0.20	0.12	<0.020	<0.020	<0.020	<0.10	<0.010	<0.020
	SM-A5-DP-8-0	<0.20	0.035	<0.020	<0.020	0.021	<0.10	<0.010	<0.020
Action Levels	**TCLP Limit**	50	100	1	5	NE	5	0.2	5
	AZWQS A&We Acute[1]	0.44[D]	NE	0.03382[D]	2.665[D]	0.03408	0.21132[D]	0.005[D]	0.00654[D]
	AZWQS PBC	0.42T	98[T]	0.7[T]	4.2[T]	1.3[T]	0.015[T]	0.42[T]	7[T]

[1] The values for cadmium, copper, lead, and silver for A&We are dependent on water hardness. Water hardness was not evaluated as part of this investigation. Action levels were based on an assumed hardness of 150 mg/L $CaCO_3$.

[D] Indicates standard is based on the dissolved metal concentration

[T] Indicates standard is based on the total metal concentration

PA/SI sampling conducted from January 26-28, 2010; EE/CA sampling conducted from April 25-28, 2011.

Bolded red results indicate concentrations detected above the AZWQS.

A&We = aquatic and wildlife ephemeral water

AZWQS = Arizona Water Quality Standard

ID = identification

mg/L = milligrams per liter

NE = none established

PBC = partial body contact

S = Soil (except sample SM-A1-S-3, which was a waste source sample)

SM = Sunchief Mill Site

SPLP = Synthetic Precipitation Leaching Potential

Table B7
Acid Base Accounting Analytical Results
Sunchief Millsite, Tonto National Forest

Sample Event	Sample ID	Paste pH	Neutralization Potential (t/kt $CaCO_3$)	Acid Potential (t/kt $CaCO_3$)	Acid/Base Potential (t/kt $CaCO_3$)	Sulfur, Total (%)	Sulfur, H_20 Extr. (%)	Sulfur, HCl Extr. (%)	Sulfur, $HN0_3$ Extr. (%)	Sulfur, Residual (%)
EE/CA	SM-A2-WS1E	7.57	57	0	56	0.02	ND	ND	0.02	ND
	SM-A2-WS2E	7.62	56	0	56	0.02	ND	ND	0.01	ND
	SM-A2-WS3E	7.55	72	0	71	0.02	ND	ND	0.02	ND
	SM-A2-WS4E	7.52	65	0	65	0.02	ND	ND	ND	ND
PA/SI	SM-A1-S-3	7.6	79	3.9	75	0.13	<0.01	0.02	0.06	0.05
	SM-A1-WS-9	4.8	140	150	-12	5.78	0.84	0.48	0.79	3.67
	SM-A2-WS-1	7.6	49	6.7	42	0.25	0.03	0.02	0.09	0.10
	SM-A2-WS-2	7.5	53	3.6	49	0.14	0.02	0.02	0.06	0.03
	SM-A2-WS-3	7.6	62	0	61	0.02	<0.01	<0.01	<0.01	<0.01
	SM-A2-WS-11	5.9	2.2	1.6	0	0.08	0.02	<0.01	0.02	0.03
	SM-A3-S-4	7.6	59	1.6	57	0.06	0.01	<0.01	0.03	0.02
	SM-A3-WS-6	7.5	24	1.3	23	0.05	<0.01	0.01	0.01	0.02
	SM-A4-WS-2	7.2	8.3	1.9	6	0.06	<0.01	0.02	0.02	0.02
	SM-A5-S-2	7.8	29	2.5	26	0.08	<0.01	<0.01	0.05	0.03
	SM-A5-DP-7-3	7.4	43	0	42	0.05	0.01	<0.01	0.02	<0.01
	SM-A5-DP-8-0	7.2	23	2.7	21	0.10	<0.01	0.01	0.06	0.02

Notes: Generally Acid/Base Potential results >20 t/kt $CaCO_3$ is non-acid producing. Results between -20 and 20 t/kt $CaCO_3$ are in an area of uncertainty.
Total sulfur results >0.5% are typically indicative of acid producing results.

PA/SI sampling conducted from January 26-28, 2010; EE/CA sampling conducted from April 25-28, 2011.

Extr. = extractable
H_2O = water
HCl = hydrochloric acid
HNO_3 = nitric acid
ND = Not Detected
ID = identification
t/kt $CaCO_3$ = tons per kiloton calcium carbonate
S = Soil (except sample SM-A1-S-3, which was a waste source sample)
WS = waste source

Table B8
Activity-Based Sampling (Air Monitoring) Analytical Results
Sunchief Millsite, Tonto National Forest

Sample ID	Date	Conditions	Area/Description	Location/Name	TEM Results (S/cc)	Structure Type (TEM)	ISO 10312 Results (PCMe-f/cc)
1-BLK	4/25/2011	Moderate wind predominantly westerly (to slightly northwesterly) throughout the the day. Soil was generally dry.	Sealed Blank	Sealed Blank	None Detected	-	NA
1-B	4/25/2011		Area 1: Surface Sampling	Brendon	<0.0014	-	NA
1-R	4/25/2011		Area 1: Surface Sampling	Robert	<0.0013	-	NA
1-U	4/25/2011		Area Monitoring (Background)	Upwind: near west/northwest site boundary.	<0.0014	-	NA
1-D	4/25/2011		Area Monitoring (Background)	Downwind: near the mill site	<0.0014	-	NA
2-B	4/26/2011	Moderate wind predominantly westerly (to slightly northwesterly) throughout the the day. Soil was generally dry.	Areas 2b/3/4: Direct Push Sampling	Brendon	0.0014	Matrix	<0.003
2-R	4/26/2011		Areas 2b/3/4 Surface Sampling	Robert	0.0014	Bundle	<0.003
2-M	4/26/2011		Areas 2b/3/4 Surface Sampling	Matt	<0.0014	-	<0.003
2-DP	4/26/2011		Areas 2b/3/4 (Direct Push sampling)	Direct Push	<0.0013	-	<0.003
2-U	4/26/2011		Area Monitoring (Background)	Upwind: near the west entry gate.	<0.0001	-	<0.003
2-D	4/26/2011		Area Monitoring (Background)	Downwind: near the east entrance at the fence line boundary; moved to the staging area for the last 1.5 hours of the day.	0.0001	Fiber	<0.003
3-B	4/27/2011	Moderate wind predominantly westerly (to slightly northwesterly) throughout the the day. Soil was generally dry.	Area 2a: Surface Sampling	Brendon	<0.0014	-	<0.003
3-R	4/27/2011		Area 2a: Surface Sampling	Robert	<0.0014	-	<0.003
3-M	4/27/2011		Area 2a: Surface Sampling	Matt	<0.0013	-	<0.003
3-U	4/27/2011		Area Monitoring (Background)	Upwind: near the northwest boundary.	<0.0014	-	<0.003
3-D	4/27/2011		Area Monitoring (Background)	Downwind: outside the southeast boundary of the site; moved near the east entrance toward the end of the day.	<0.0014	-	<0.003
4-B	4/28/2011	A light wind was present throughout the day originating from various directions.	Area 6: Surface Sampling	Brendon	<0.0014	-	NA
4-R	4/28/2011		Area 6: Surface Sampling	Robert	<0.0014	-	NA
4-M	4/28/2011		Area 6: Surface Sampling	Matt	<0.0014	-	NA
4-U	4/28/2011		Area Monitoring (Background)	Upwind: near the west entrance.	<0.0014	-	NA
4-D	4/28/2011		Area Monitoring (Background)	Downwind: southeast corner of site.	<0.0014	-	NA

ID = Sample Identifier
ISO = International Organization for Standardization
NA = Not analyzed
ff/cc = fibers per cubic centimeter
PCMe = Phase contrast microscopy eqivalents
S/cc = Structures per cubic centimeter

Matrix = One or more fibers, or bundles, connected to or partally covered by a particle or group of non-fibrous particles.
Bundle = A group of apparently attached , parallel asbestos fibers, where at least one has an aspect ration of 5:1 or greater.
TEM = Transmission electron microscopy