Grid Location	LOU Number	r Boring No	Date Sampled	Sample ID Number	Sample Depths <sup>1.</sup> (ft, bgs)	Per-chlorate (EPA 314.0)	e Metals <sup>2.</sup> (EPA 6020)	TPH-GRO (EPA 8015B)		Hex Cr <sup>4.</sup> (EPA 7199)	Wet Chem <sup>5.</sup>	OCPs <sup>6.</sup> (8081A)	Formal- dehyde (EPA 8315A)		Total Cyanide (EPA 9012A)	SVOCs <sup>7.</sup> (EPA 8270C)	PCBs <sup>10.</sup> (EPA 8082)	Radio- nuclides <sup>8.</sup>	Dioxins/ Furans <sup>9.</sup>	PCBs <sup>10.</sup> (EPA 1668)	OPPs <sup>13.</sup>	Organic Acids <sup>14.</sup>	Asbestos <sup>11.</sup> EPA/540/R- 97/028	Geotech Tests <sup>12.</sup>	Location Description and Characterized Area Rationale
					Borings are o	organized by	grid location	n as shown	on Plate A	Starting poi	int is on the r	orthwestern m	ost grid in	Area 1 (H-3)	) and ending	with the sou	theastern n	nost grid in A	Area I (O-4).						
H-3	1, 10	RSAH3		RSAH3-0.0	0.0											1							Х		Boring located to evaluate LOU 1 (former Trade Effluent Settling Ponds) and as an
H-3	1, 10			RSAH3-0.5B	0.5	Х	Х	Х	Х	Х	Х	Х		Х		Х		Х	Х		Х	Х			eastward step-out to LOU 10 (Former Onsite Hazardous Waste Landfill).
H-3	1, 10			BRSAH3-10B	10	Х	Х	Х	Х	Х	Х	removed		Х		Х		Х							GW anticipated at ~34 feet bgs
H-3	1, 10			BRSAH3-21B	21	X	X	X	X	X	X	removed		X		X		X			V	V			
H-3 I-2	1, 10 1, 10	RSAI2		BRSAH3-32B RSAI2-0.0	32 0.0	Х	Х	Х	Х	Х	Х	Х		Х		Х		Х			Х	Х	х		Boring located to evaluate LOU 1 (former Trade Effluent Settling Ponds) and as an
1-2	1, 10	NOAIZ		RSAI2-0.5B	0.5	х	х	Х	Х	х	x	removed		х		x		х	х				^		eastward step-out to LOU 10 (Former Onsite Hazardous Waste Landfill).
I-2	1, 10			RSAI2-10B	10	X	X	X	X	X	X	removed		X		X		X							GW anticipated at ~33 feet bgs
I-2	1, 10			RSAI2-20B	20	Х	Х	Х	Х	Х	Х	removed		Х		Х		Х							
I-2	1, 10			RSAI2-31B	31	Х	Х	Х	Х	Х	Х	removed		Х		Х		Х					м		
I-3 I-3	1	RSAI3		RSAI3-0.0 RSAI3-0.5B	0.0	×	X	Х	Х	Х	x	removed		х		×		Х	Х			1	Х		Boring located to evaluate LOU 1 (former Trade Effluent Settling Ponds) and for general site coverage
1-3	1			RSAI3-10B	10	X	X	X	X	X	X	removed		X		X		X	A						GW anticipated at ~34 feet bgs
I-3	1			RSAI3-21B	21	Х	Х	Х	Х	Х	Х	removed		Х		Х		Х							
I-3	1			RSAI3-32B	32	Х	Х	Х	Х	Х	Х	removed		Х		Х		Х							
I-3 I-3	1, 32	SA201		SA201-0.0 SA201-0.5B	0	Х	x	Х	Х	х	х	removed		х		х		Х	Х				Х		Boring located on the north berm of the GW-11 Pond to evaluate LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit) and LOU 1 (former Trade Effluent
I-3	1, 32			SA201-0.5B	10	X	X	X	X	X	X	removed		X		X		X	~						Settling Ponds) and for general site coverage.
I-3	1, 32			SA201-20B	20	removed	removed	removed	removed	removed	removed	removed		removed		removed		removed							GW anticipated at ~30 feet bgs
I-3	1, 32			SA201-28B	28	Х	Х	Х	Х	Х	Х	removed		Х		Х		Х					Ň		
I-4 I-4	1, 32	RSAI4		RSAI4-0.0 RSAI4-0.5B	0.0	X	x	Х	X	Х	x	removed		x	+	x		х	Х				Х		Boring located on the north berm of the GW-11 Pond to evaluate LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit) and LOU 1 (former Trade
1-4	1, 32	-		RSAI4-0.5B RSAI4-10B	0.5	X	X	X	X	X	X	removed		X		X		X	^						Effluent Settling Ponds) and for general Site coverage
I-4	1, 32			RSAI4-21B	21	X	X	X	X	X	X	removed		X		X		X							GW anticipated at ~34 feet bgs
1-4	1, 32			RSAI4-32B	32	Х	Х	Х	Х	Х	Х	removed		Х		Х		Х							
1-5	1, 32	RSAI5		RSAI5-0.0	0.0	×	Y	V	Y	Y	Y			V		×		Y	V			-	Х		Boring located on the north berm of the GW-11 Pond to evaluate LOU 32 (Chromium
I-5 I-5	1, 32	-		RSAI5-0.5B RSAI5-10B	0.5	X	X	X	X	X	X X	removed removed		X		X		X	Х			1	1		and Perchlorate Groundwater Remediation Unit) and LOU 1 (former Trade Effluent Settling Ponds) and for general Site coverage.
1-5	1, 32			RSAI5-20B	20	removed	removed	removed	removed	removed	removed	removed		removed		removed		removed							GW anticipated at ~30 feet bgs
I-5	1, 32			RSAI5-28B	28	Х	Х	Х	Х	Х	Х	removed		Х		Х		Х							
1-7	1, 22, 23, 32	RSAI7		RSAI7-0.0	0.0	X	N/		N N	× ×	N/	×.				N N		N/	X				Х		Boring located to evaluate LOU 1 (former Trade Effluent Settling Ponds), LOUs 22
I-7 I-7	1, 22, 23, 32		-08	RSAI7-0.5B RSAI7-10B	0.5	X	X		X	X	X	X		X		X		X	Х						& 23 (Ponds WC-West & WC-East), and LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit).
1-7	1, 22, 23, 32		٦٢	RSAI7-20B	20	X	X		X	X	X	hold		X		X		x							
I-7	1, 22, 23, 32			RSAI7-30B	30	Х	Х		Х	Х	Х	Х		Х		Х		Х							
J-2	1, 10	RSAJ2		RSAJ2-0.0	0.0	×	N/	X	×.	V	N/			N/	Y	× ×		N/	N N				Х		Boring located to evaluate LOU 1 (former Trade Effluent Settling Ponds), LOU 10
J-2 J-2	1, 10 1, 10	-		RSAJ2-0.5B RSAJ2-10B	0.5 10	X	X	X	X	X	X	removed removed		X	X	X		X X	Х			1	1		(Former Onsite Hazardous Landfill) and to investigate potential offsite VOC sources. GW anticipated at ~35 feet bgs
J-2 J-2	1, 10			RSAJ2-10B RSAJ2-21B	21	X	X	X	X	X	X	removed		X	X	X		X							
J-2	1, 10			RSAJ2-33B	33	Х	Х	Х	Х	Х	Х	removed		Х	Х	Х		Х							
J-3	1	RSAJ3		RSAJ3-0.0	0.0	×	N/	X	×.	N/	N/	×.		N/		N N		N/	N N		V	V	Х		Boring located to evaluate LOU 1 (former Trade Effluent Settling Ponds) and for
J-3 J-3	1			RSAJ3-0.5B RSAJ3-10B	0.5	X	X	X	X	X	X	X		X		X		X	Х		X	X			general site coverage. GW anticipated at ~31 feet bgs
J-3	1			RSAJ3-20B	20	removed	removed	removed	removed	removed	removed	removed		removed		removed		removed			~	~			ow anticipated at -or reet bys
J-3	1			RSAJ3-29B	29	Х	Х	Х	Х	Х	Х	Х		Х		Х		Х			Х	Х			
J-3	1, 32	SA202		SA202-0.0	0.0	×	N/	X	×.	N/	N/			N/		N N		N/	N N				Х		Boring located to evaluate LOU 1 (former Trade Effluent Settling Ponds), LOU 32
J-3 J-3	1, 32	-		SA202-0.5B SA202-10B	0.5	X	X	X	X	X	X	removed removed		X		X		X X	Х			1	1		(Chromium and Perchlorate Groundwater Remediation Unit), and for general Site coverage.
J-3	1, 32			SA202-20B	20	removed	removed	removed	removed	removed	removed	removed		removed		removed		removed							GW anticipated at ~30 feet bgs
J-3	1, 32	1		SA202-28B	28	Х	Х	Х	Х	Х	Х	removed		Х		Х		Х							
J-3	1,60	SA206		SA206-0.0	0.0										-			V					Х		Boring located to evaluate LOU 1 (former Trade Effluent Settling Ponds) and LOU 60
J-3 J-3	1,60	-		SA206-0.5B SA206-10B	0.5	X	X		X	X	X	X removed		X		X		X X	Х						(former Acid Drain System), and for general Site coverage. GW anticipated at ~39 feet bgs
J-3	1,60	1		SA206-10B SA206-20B	20	removed	removed		removed	removed	removed	removed		removed		removed		removed				1	1		orr unitoipatou at -09 toot byo
J-3	1, 60			SA206-24B	24	Х	Х		Х	Х	Х	removed		Х		Х		Х							
J-3	1,60			SA206-37B	37	Х	removed		removed	removed	removed	removed		removed		removed		removed							
J-5 J-5	1, 22, 32 1, 22, 32	RSAJ5		RSAJ5-0.0 RSAJ5-0.5B	0.0	Y	х	Y	х	Y	Y	removed		x		×		x	х				Х		Boring located east of GW-11 Pond to evaluate LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit) and LOU 1 (former Trade Effluent Settling Ponds),
J-5	1, 22, 32			RSAJ5-10B	10	X	x	X	X	X	X	removed		X		×		X	^						as an upgradient boring to evaluate LOU 22 (Pond WC-West and Associated
	1, 22, 32	1		RSAJ5-19B	19	X	X	X	X	X	X	removed		X		X		X							Piping), and for general Site coverage. GW anticipated at ~21 feet bgs.
J-5	1, 22, 32	DC ····	_	RSAJ5-25	25	removed	removed	removed	removed	removed	removed	removed		removed		removed		removed							
J-6 J-6	1, 22, 32 1, 22, 32	RSAJ6		RSAJ6-0.0 RSAJ6-0.5B	0.0	x	Х	х	х	х	х	removed		х		х		х	Х				Х		Boring located east of GW-11 Pond to evaluate LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit) and LOU 1 (former Trade Effluent Settling Ponds),
J-6	1, 22, 32	-		RSAJ6-0.5B RSAJ6-10B	10	X	X	X	X	X	X	removed		X	-	X		X	^						as an upgradient boring to evaluate LOU 22 (Pond WC-West and Associated
J-6	1, 22, 32	1		RSAJ6-19B	19	X	X	X	X	X	X	removed		X	1	X		X			1	1	1		Piping), and for general Site coverage. GW anticipated at ~21 feet bgs
J-6	1, 22, 32			RSAJ6-30B	30	removed	removed	removed	removed	removed	removed	removed		removed		removed		removed							
J-6	22, 23	SA127		SA127-0.0	0.0		~		~	~				~				V	N.				Х		Boring located to evaluate white crusty surface soil east of the pump house
J-6 J-6	22, 23 22, 23	-		SA127-0.5B SA127-10B	0.5 10	X	X		X	X	X	removed removed		X		X		X	Х						between LOUs 22 and 23 (Ponds WC-West and WC-East). GW anticipated at ~34 feet bgs
J-0 J-7	1, 23, 32	RSAJ7		RSAJ7-0.0	0.0	^	~	1	~	~	~	Terrioveu		~	1	~		~	-			t	Х		Boring located east of GW-11 Pond to evaluate LOU 32 (Chromium and Perchlorate
J-7	1, 23, 32		-08	RSAJ7-0.5B	0.5	Х	Х		Х	Х	Х	Х		Х		Х		Х	Х						Groundwater Remediation Unit) and LOU 1 (former Trade Effluent Settling Ponds),
J-7	1, 23, 32	_	Inl	RSAJ7-10B	10	Х	Х		Х	Х	X	hold		X		Х		Х							as an upgradient boring to evaluate LOU 23 (Pond WC-East and Associated
J-7	1, 23, 32			RSAJ7-20B	20	Х	Х	1	Х	Х	Х	hold	1	Х	1	Х		Х							Piping), and for general Site coverage.

## Table 2 Soil Sampling and Analytical Plan for Area I Phase B Source Area Investigation Work Plan Tronox Facility - Henderson, Nevada Page 1 of 6

Grid Location	LOU Number	Boring No.	Sample ID Sample ID Number	Sample Depths <sup>1.</sup> (ft, bgs)	Per-chlorate (EPA 314.0)	Metals <sup>2.</sup> (EPA 6020)	TPH-GRO (EPA 8015B)	VOCs <sup>3.</sup> (EPA 8260B)	Hex Cr <sup>4.</sup> (EPA 7199)	Wet Chem <sup>5.</sup>	OCPs <sup>6.</sup> (8081A)	Formal- dehyde (EPA 8315A) (EPA 8015B)		SVOCs <sup>7.</sup> (EPA 8270C)	PCBs <sup>10.</sup> Radio- (EPA 8082) nuclides		Dioxins/ PCBs <sup>10.</sup> Furans <sup>9.</sup> (EPA 1668) OPPs <sup>13.</sup>	Organic Acids <sup>14.</sup>	Asbestos <sup>11.</sup> EPA/540/R- 97/028	Geotech Tests <sup>12.</sup>	Location Description and Characterized Area Rationale
J-8	1, 22, 23, 32	RSAJ8	RSAJ8-0.0	0.0															Х		Boring located to evaluate LOU 1 (former Trade Effluent Settling Ponds), LOUs 22
J-8	1, 22, 23, 32		RSAJ8-0.5B	0.5	X	X		X	X	X	X	X		Х	X		Х				& 23 (Ponds WC-West & WC-East), and LOU 32 (Chromium and Perchlorate
J-8 J-8	1, 22, 23, 32	-	RSAJ8-10B RSAJ8-20B	10 20	X	X	-	X	X	X	hold hold	X		X	X						Groundwater Remediation Unit), and for general Site coverage.
J-8	1, 22, 23, 32	1	RSAJ8-30B	30	X	X		x	X	X	X	X		X	X						
J-8	1, 22, 23, 32	1	RSAJ8-33B	33	Х	Х		Х	Х	Х	Х	Х		Х	Х						
K-2	2	SA152	SA152-0.0	0.0															Х		Boring located to evaluate LOU 2 (Open Area South of Trade Effluent Settling
K-2	2		SA152-0.5B	0.5	X	Х		X	X	X	removed	X		Х	X		Х				Ponds) as a step-out boring to SA18 as requested by NDEP in
K-2	2		SA152-10B	10	X	X	-	X	X	X	removed	X		X	X						comments to the Phase A report.
K-2 K-2	2	-	SA152-22B SA152-34B	22 34	X	X		X	X	X	removed removed	X		X	X						GW anticipated at ~36 feet bgs; MCfg ~31'
K-2	2	RSAK2	RSAK2-0.0	0.0	^	^	-	^	^	~	Terrioveu	^		^	^				Х		Boring located to evaluate LOU 2 (Open Area South of Trade Effluent Settling
K-2	2	110/1142	RSAK2-0.5B	0.5	Х	х		х	х	Х	Х	Х		Х	Х		х		~		Ponds) and to evaluate potential offsite VOC source to the west.
K-2	2		RSAK2-10B	10	Х	Х		Х	Х	Х	hold	Х		Х	Х						
K-2	2		RSAK2-22B	20	X	X		X	X	X	hold	X		X	X						
K-2 K-2	2	-	RSAK2-22B RSAK3-35B	30 35	X	X		X	X	X	hold hold	X		X	X						
K-2 K-3	1, 2, 32	SA88	SA88-0.0	0.0	^	^	+	^	^	~	noid	^		^	^				Х		Boring located north (downgradient) of LOU 2 (Open Area South of Trade Effluent
K-3	1, 2, 32	0/100	SA88-0.5B	0.5	Х	Х	Х	Х	Х	Х	removed	Х		Х	Х		х		~		Settling Ponds) and south (upgradient) of LOU 1 (former Trade Effluent Settling
K-3	1, 2, 32		SA88-10B	10	Х	Х	Х	Х	Х	Х	removed	Х		Х	Х						Ponds), and LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit),
K-3	1, 2, 32		SA88-21B	21	Х	Х	Х	Х	Х	Х	removed	Х		Х	Х						and for general Site coverage. GW anticipated at ~34 feet bgs
K-3	1, 2, 32		SA88-32B	32	Х	Х	Х	Х	Х	Х	removed	Х		Х	Х						
K-3 K-3	1, 32	RSAK3	RSAK3-0.0 RSAK3-0.5B	0.0	×	x	Х	х	×	х	removed	x		X	x		~		Х		Boring located on the northern berm GW-11 Pond to evaluate LOU 1 (former Trade Effluent Ponds) and LOU 32 (Chromium and Perchlorate Groundwater Remediation
K-3	1, 32 1, 32		RSAK3-10B	10	x	X	X	X	×	X	removed removed	× ×		X	X		X				Unit).
K-3	1, 32		RSAK3-20B	20	X	X	X	X	X	X	removed	X		X	X						GW anticipated at ~33 feet bgs
K-3	1, 32		RSAK3-31B	31	Х	Х	Х	Х	Х	Х	removed	Х		Х	Х						
K-3	2, 32, 60	SA134	SA134-0.0	0.0															Х		Boring located to evaluate LOU 2 (Open Area South of Trade Effluent Settling
K-3	2, 32, 60		SA134-0.5B	0.5	X	X	_	X	X	X	removed	X		X	X		X				Ponds), LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit),
K-3 K-3	2, 32, 60 2, 32, 60	-	SA134-10B SA134-20B	10 20	X X	X		X	X	X	removed removed	X		X	X						and LOU 60 (former Acid Drain System).
K-3	2, 32, 60		SA134-20B SA134-31B	31	x	X		X	X	X	removed	X		X	X						GW anticipated at ~33 feet bgs
K-4	1, 2, 32	RSAK4	RSAK4-0.0	0.0	~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1	~	~	~	10110104	~		~	~ ~ ~				х		Boring located to evaluate LOU 32 (Chromium and Perchlorate Groundwater
K-4	1, 2, 32		RSAK4-0.5B	0.5	Х	Х	Х	Х	Х	Х	removed	Х		Х	Х		Х				Remediation Unit) and as an upgradient boring to LOU 1(former Trade Effluent
K-4	1, 2, 32		RSAK4-10B	10	X	Х	X	X	X	X	removed	X		Х	X						Settling Ponds) and LOU 2 (Open Area South of Trade Effluent Settling Ponds).
K-4 K-4	1, 2, 32	-	RSAK4-20B RSAK4-31B	20	X	X	X	X	X	X	removed	X		X	X X						GW anticipated at ~33 feet bgs
K-4 K-5	1, 2, 32	RSAK5	RSAK4-31B RSAK5-0.0	0.0	^	X	~	~	~	~	removed	*		X	~				х		Boring located to evaluate LOU 1 (former Trade Effluent Settling Ponds) and
K-5	1, 32	NOANS	RSAK5-0.5B	0.5	Х	Х	Х	Х	х	Х	removed	Х		Х	Х		X		~		LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit).
K-5	1, 32		RSAK5-10B	10	X	X	X	X	X	X	removed	X		X	X						GW anticipated at ~24 feet bgs
K-5	1, 32		RSAK5-22B	22	Х	Х	Х	Х	Х	Х	removed	Х		Х	Х						
K-5	1, 32		RSAK5-30B	30	removed	removed	removed	removed	removed	removed	removed	removed		removed	remove	ed					
K-6 K-6	1, 32 1, 32	SA76	SA76-0.0 SA76-0.5B	0.0	x	х	Х	Х	x	Х	removed	X		Х	X		X		Х		Boring located north of groundwater recharge trenches to evaluate LOU 1 (former Trade Effluent Settling Ponds) and LOU 32 (Chromium and Perchlorate Groundwater
K-6	1, 32		SA76-10B	10	X	X	X	X	X	X	removed	X		X	X		~				Remediation Unit).
K-6	1, 32		SA76-20B	20	X	X	X	X	X	X	removed	X		X	X						GW anticipated at ~22 feet bgs
K-6	1, 32		SA76-25B	25	removed	removed	removed	removed	removed	removed	removed	removed		removed	remove	red					
K-6	1, 32	RSAK6	RSAK6-0.0	0.0			М								N.				Х		Boring located south of groundwater recharge trenches to evaluate LOU 1 (former
K-6 K-6	1, 32 1, 32	-	RSAK6-0.5B RSAK6-10B	0.5	X	X	X	X	X	X	X removed	X		X	X		X				Trade Effluent Settling Ponds) and LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit).
K-6	1, 32	1	RSAK6-10B RSAK6-24B	24	X	X	X	X	X	X	removed	X	<u> </u>	X	X X						GW anticipated at ~26 feet bgs
K-6	1, 32		RSAK6-30B	30	removed	removed	removed	removed	removed	removed	removed	removed		removed	remove	ed					
K-7	1, 22, 23, 32	RSAK7	RSAK7-0.0	0.0															Х		Boring located to evaluate LOU 1 (former Trade Effluent Settling Ponds), LOU 32
K-7	1, 22, 23, 32		BOAKT 40D	0.5	X	X		X	X	X	X	X		X	X		X				(Chromium and Perchlorate Groundwater Remediation Unit), and pipelines
K-7 K-7	1, 22, 23, 32	-	RSAK7-10B RSAK7-20B	10 20	X	X		X	X	X	hold hold	X	╂─────╂	X	X						associated with LOUs 22 and 23 (Ponds WC-West & WC-East).
K-7	1, 22, 23, 32	1	RSAK7-20B RSAK7-27B	20	X	X	1	X	X	X	hold	X	<u> </u>	X	X						
K-8	1, 32	RSAK8	RSAK8-0.0	0.0															Х		Boring located to evaluate LOU 32 (Chromium and Perchlorate Groundwater Unit)
K-8	1, 32	] [	g RSAK8-0.5B	0.5	Х	Х		Х	Х	Х	removed	Х		Х	Х		Х				Remediation and as upgradient location to LOU 1 (former Trade Effluent Settling
K-8	1, 32		RSAK8-10B	10	X	X		X	X	X	removed	X	<b>↓</b>	X	X		<b> </b>				Ponds), and for general Site coverage.
K-8	1, 32	4 L	RSAK8-20B	20	X	X		X	X	X	removed	X	╂────╂	X	X						GW anticipated at ~28 feet bgs
K-8 L-2	1, 32	RSAL2	RSAK8-26B RSAL2-0.0	26 0.0	<u>^</u>	^		^	^	^	removed	^	<del>   </del>	^	X				х		Boring located to evaluate LOU 2 (Open Area South of Trade Effluent Settling
L-2	2		RSAL2-0.5B	0.5	х	Х		Х	х	х	Х	Х	1 1	Х	Х		X	1	~		Ponds).
L-2	2	1	co RSAL2-10B	10	Х	Х		Х	Х	Х	hold	Х		Х	Х						
L-2	2	4	RSAL2-20B	20	X	Х		Х	Х	Х	hold	X		Х	X						
L-2	2	4	RSAL2-30B	30	X	X		X	X	X	X	X		X	X		<b> </b>				
L-2 L-2	2	{	RSAL2-37B RSAL2-40B	37 40	X	X	+	X	X	X	X	X	1 1	X	X X						
L-2 L-3	2, 32, 60	SA82	SA82-0.0	0.0	^	~		~	~	~	~		+ +	~	^	<u> </u>			Х		Boring located to evaluate LOU 2 (Open Area South of Trade Effluent Settling
L-3	2, 32, 60		SA82-0.5B	0.5	х	Х		Х	х	х	Х	Х	1 1	Х	Х		x x	х			Ponds), LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit),
L-3	2, 32, 60	]	SA82-10B	10	Х	Х		Х	Х	Х	Х	Х		Х	Х		X	Х			and the pipelines associated with LOU 60 (Acid Drain System).
L-3	2, 32, 60		SA82-20B	20	removed	removed		removed	removed	removed	removed	removed		removed	remove						GW anticipated at ~31 feet bgs
L-3	2, 32, 60		SA82-29B	29	Х	Х		Х	Х	Х	Х	Х		Х	Х		Х	Х			

## Table 2 Soil Sampling and Analytical Plan for Area I Phase B Source Area Investigation Work Plan Tronox Facility - Henderson, Nevada Page 2 of 6

Grid Location	LOU Number	Boring No.	Sample ID Sample ID Number	Sample Depths <sup>1.</sup> (ft, bgs)	Per-chlorate (EPA 314.0)	Metals <sup>2.</sup> (EPA 6020)	TPH-GRO (EPA 8015B)	VOCs <sup>3.</sup> (EPA 8260B)	Hex Cr <sup>4.</sup> (EPA 7199)	Wet Chem <sup>5.</sup>	OCPs <sup>6.</sup> (8081A)	Formal- dehyde (EPA 8315A) (EPA 8015B)	SVOCs <sup>7.</sup> (EPA 8270C)		adio- clides <sup>8.</sup>	Dioxins/ Furans <sup>9.</sup>	PCBs <sup>10.</sup> (EPA 1668)	OPPs <sup>13.</sup>	Organic Acids <sup>14.</sup>	Asbestos <sup>11.</sup> EPA/540/R- 97/028 Tests <sup>12</sup>	Location Description and Characterized Area Rationale
L-3 L-3 L-3 L-3	2 2 2	RSAL3	RSAL3-0.0 RSAL3-0.5B RSAL3-10B RSAL3-20B	0.0 0.5 10 20	X X X	X X X		X X X	X X X	X X X	removed removed removed		X X X		X X X	Х				X	Boring located to evaluate LOU 2 (Open Area South of Trade Effluent Settling Ponds). GW anticipated at ~32 feet bgs
L-3 L-3 L-4 L-4	2 32, 60 32, 60	SA189	RSAL3-30B SA189-0.0 SA189-0.5B	30 0.0 0.5	X X	X X		X X	× × ×	× × ×	removed	X X	X X		X X	X				x	Boring located to evaluate LOU 60 (Acid Drain System) pipeline/flume route and LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit).
L-4 L-4 L-4	32, 60 32, 60 32, 60		SA189-10B SA189-20B SA189-29B	10 20 29	X removed X	X removed X		X removed X	X removed X	X removed X	removed removed removed	X removed X	X removed X	rem	X noved X						GW anticipated at ~31 feet bgs
L-4 L-4 L-4 L-4	2, 32, 60 2, 32, 60 2, 32, 60 2, 32, 60 2, 32, 60	RSAL4	RSAL4-0.0 RSAL4-0.5B RSAL4-10B RSAL4-20B	0.0 0.5 10 20	X X removed	X X removed		X X removed	X X removed	X X removed	removed removed removed	X X removed	X X removed	rem	X X noved X	Х				X	Boring located to evaluate LOU 60 (Acid Drain System) pipeline/flume route and as a step-out to LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit) and LOU 2 (Open Area South of Trade Effluent Settling Ponds). GW anticipated at ~30 feet bgs
L-4 L-5 L-5 L-5 L-5	2, 32, 60 32, 58 32, 58 32, 58 32, 58 32, 58	SA74	RSAL4-28B SA74-0.0 SA74-0.5B SA74-10B SA74-20B	28 0.0 0.5 10 20	X X X removed	X X X removed		X X X removed	X X X removed	X X X removed	removed removed removed	X	X		X X X noved	Х				X	Boring located adjacent to new D-1 building to evaluate LOU 58 (AP Plant Area New Building D-1 Washdown) and LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit). GW anticipated at ~31 feet bgs
L-5 L-5 L-5	32, 58 32, 58 32, 58	RSAL5	SA74-29B RSAL5-0.0 RSAL5-0.5B RSAL5-10B	29 0.0 0.5 10	X X	X X		X X	X X	X	removed removed	X	X X		X X X X	Х				X	Boring located to evaluate LOU 58 (AP Plant Area New Building D-1 Washdown) and LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit).
L-5 L-5 L-5 L-7	32, 58 32, 58 32, 58 22, 23	RSAL7	RSAL5-20B RSAL5-30B RSAL7-0.0	20 30 0.0	X X X	X X X		X X X	X X X	X X X	removed removed removed		X X		X X					x	GW anticipated at ~32 feet bgs Boring located to evaluate pipeline associated with LOUs 22 and 23 (Ponds
L-7 L-7 L-7 L-7	22, 23 22, 23 22, 23 22, 23 22, 23		RSAL7-0.5B RSAL7-10B RSAL7-27B RSAL7-30B	0.5 10 27 30	X X X removed	X X X removed		X X X removed	X X X removed	X X X removed	removed removed removed removed	X X X removed	X X X removed		X X X noved	X					WC-West & WC-East), and for general Site coverage. GW anticipated at ~29 feet bgs
L-7 L-7 L-7 L-7	32 32 32 32 32	SA75	SA75-0.0 SA75-0.5B SA75-10B SA75-20B	0.0 0.5 10 20	X X removed	X X removed		X X removed	X X removed	X X removed	removed removed removed	X X removed	X X removed	rem	X X noved	Х				X	Boring located to evaluate LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit). GW anticipated at ~30 feet bgs
L-7 L-8 L-8 L-8	32 5 5 5	RSAL8	SA75-28B RSAL8-0.0 RSAL8-0.5B RSAL8-10B RSAL8-20B	28 0.0 0.5 10	X X X X	X X X X		X X X X	X X X	X X X	removed removed removed	X X X X	X X X X		X X X	Х				X	Boring located north of LOU 5(Beta Ditch) along Timet boundary as a downgradient boring to LOU 5 (Beta Ditch) and for general Site coverage. GW anticipated at ~30 feet bgs
L-8 L-8 M-2 M-2	5 5 2 2	RSAM2	RSAL8-28B RSAM2-0.0 RSAM2-0.5B	20 28 0.0 0.5	X X X	X X X		removed   X   X	X X X	X X X	removed removed X	x x x	removed   X   X		x X	Х		X	X	X	Boring located north of LOU 5 (Beta Ditch) along Olin (Pioneer) boundary to evaluate potential VOC sources from the west, as a step-out boring for LOU 2 (Open
M-2 M-2 M-2 M-2	2 2 2 5	SA67	RSAM2-10B RSAM2-22B RSAM2-35B SA67-0.0	10 22 35 0.0	X X X	X X X		X X X	X X X	X X X	X removed X		X X X		X X X			X	X	X	Area South of Trade Effluent Settling Ponds), and for general Site coverage. GW anticipated at ~37 feet bgs Boring located south of LOU 5 (Beta Ditch) and to evlauate potential VOC sources
M-2 M-2 M-2 M-2	5 5 5 5		SA67-0.5B SA67-10B SA67-20B SA67-30B	0.5 10 20 30	X X X X	X X X X		X X X X X	X X X X	X X X X	X hold hold hold		X X X X		X X X X	X					from the west.
M-2 M-3 M-3 M-3 M-3	5 2 2 2 2 2	SA100	SA67-35B SA100-0.0 SA100-0.5B SA100-10B SA100-20B	35 0.0 0.5 10 20	X X X X X	X X X X		X X X X	X X X X	X X X X	X removed removed	X X X X	X X X X		X X X X	Х				X	Boring located to evaluate LOU 2 (Open Area South of Trade Effluent Settling Ponds) and to evaluate potential VOC sources from the west. GW anticipated at ~32 feet bgs
M-3 M-3 M-3 M-3 M-3	2 2 2 2 2	RSAM3	SA100-20B SA100-30B RSAM3-0.0 RSAM3-0.5B RSAM3-10B	30 0.0 0.5 10				X X X X	× × ×	× × × ×	removed X removed				X X X	Х		Х	X	X	Boring located to evaluate LOU 2 (Open Area South of Trade Effluent Settling Ponds). GW anticipated at ~32 feet bgs
M-3 M-3 M-4 M-4	2 2 2 2	SA69	RSAM3-20B RSAM3-20B RSAM3-30B SA69-0.0 SA69-0.5B	20 30 0.0 0.5				X X X	× × ×	X X X	removed X removed				X X X	X		Х	X	X	Boring located north of LOU 5 (Beta Ditch) as a step-out to LOU 2 (Open Area
M-4 M-4 M-4	2 2 2 2	-	SA69-10B SA69-20B SA69-29B	10 20 29	X X X X	X X X X		X X X X	X X X X	X X X X	removed removed removed	× × × × ×	X X X X		X X X X	^					South of Trade Effluent Settling Ponds) and to investigate for potential offsite VOC sources from the west. GW anticipated at ~31 feet bgs
M-4 M-4 M-4 M-4	2 2 2 2	RSAM4	RSAM4-0.0 RSAM4-0.5B RSAM4-10B RSAM4-20B	0.0 0.5 10 20	X X X	X X X		X X X X	X X X	X X X	removed removed removed		X X X		X X X	Х				X	Boring located to evaluate LOU 2 (Open Area South of Trade Effluent Settling Ponds) and for general Site coverage. GW anticipated at ~32 feet bgs
M-4 M-4 M-4 M-4 M-4	2 5 5 5 5	SA66	RSAM4-30B SA66-0.0 SA66-0.5B SA66-10B	30 0.0 0.5 10	X X X X	X X X		X X X X	X X X	X X X	x X X	X X X X	X	X X	X X X	Х		X X	X X	X	Boring located in LOU 5 (Beta Ditch) to evaluate the Beta Ditch and for general Site coverage. GW anticipated at ~31 feet bgs
M-4 M-4 M-4	5 5 5	SA128	SA66-20B SA66-29B SA128-0.0 SA128-0.5B	20 29 0.0 0.5	X X X	X X X	removed	removed   X   X	X X X	X X X	X X X	x x x x		X X	x X	X		X	X X	X	Boring located in LOU 5 (Beta Ditch) to evaluate the Beta Ditch and for general Site coverage.
M-4 M-4 M-4	5 5 5		SA128-10B SA128-20B SA128-28B	10 20 28	X removed X	X removed X	removed	X removed X	X removed X	X removed X	X removed X	X removed X		rem	X noved X			X	X		_ GW anticipated at ~30 feet bgs

## Table 2 Soil Sampling and Analytical Plan for Area I Phase B Source Area Investigation Work Plan Tronox Facility - Henderson, Nevada Page 3 of 6

Grid Location	LOU Numbe	er Boring No	Date Sampled	Sample ID Number	Sample Depths <sup>1.</sup> (ft, bgs)	Per-chlorate (EPA 314.0)	<b>Metals<sup>2.</sup></b> (EPA 6020)	TPH-GRO (EPA 8015B)	VOCs <sup>3.</sup> (EPA 8260B)	Hex Cr <sup>4.</sup> (EPA 7199)	Wet Chem <sup>5.</sup>	OCPs <sup>6.</sup> (8081A)	Formal- dehyde (EPA 8315A)	TPH- DRO/ORO (EPA 8015B)		PCBs <sup>10.</sup> (EPA 8082)	Radio- nuclides <sup>8.</sup>	Dioxins/ Furans <sup>9.</sup>	PCBs <sup>10.</sup> (EPA 1668)	OPPs <sup>13.</sup>	Organic Acids <sup>14.</sup>	Asbestos <sup>11.</sup> EPA/540/R- 97/028	Geotech Tests <sup>12.</sup>	Location Description and Characterized Area Rationale
N-2	35	SA56		SA56-0.0	0.0																	Х		Boring located along western Site boundary to evaluate LOU 35 (former Truck
N-2 N-2	35 35			SA56-0.5B SA56-10B	0.5 10	X	X	X	X	X X	X	removed		X	X	X	X	Х	X					Emptying/Dumping Site) and potential offsite VOC sources from the west. PCBs and TPH-G were detected in Phase A SA09.
N-2	35			SA56-20B	20	removed	removed	removed	removed	removed	X removed	removed removed		removed	removed	^	removed		X					GW anticipated at ~39 feet bgs
N-2 N-2	35 35			SA56-23B SA56-30B	23 30	X removed	X removed	X removed	X removed	X removed	X removed	removed removed		X removed	X removed	Х	X removed		Х					
N-2	35			SA56-37B	37	X	X	X	X	X	X	removed		X	X	Х	X		Х					
N-2	n/a	RSAN2	_	RSAN2-0.0	0.0	V	V		V	V	V	Y		V	V	V	V	V	V			Х		Boring located along western Site boundary north of LOU 35 (Truck Emptying
N-2 N-2	n/a n/a		80	RSAN2-0.5B RSAN2-10B	0.5 10	X	X		X	X	X	X hold		X X	X	X	X X	X	X					/Dumping Site) to evaluate potential offsite VOC sources from the west, and for general Site coverage.
N-2	n/a		-inc	RSAN2-20B	20	Х	X		X	Х	X	hold		Х	X	Х	X		Х					GW anticipated at ~37 feet bgs
N-2 N-2	n/a n/a			RSAN2-30B RSAN2-35B	30 35	X	X		X	X X	X X	hold hold		X X	X		X X							
N-3	54	SA85		SA85-0.0	0.0																	Х		Boring located northwest of AP Lab building to evaluate LOU 54 (AP Plant Area
N-3 N-3	54 54			SA85-0.5B SA85-10B	0.5 10	X	X		X	X X	X X	X removed	X		X		X	Х		Х	Х			Change House/Laboratory Septic Tank). Dilute formaldehyde titrant was used in LOU 38 (Former Satellite Accumulation Point, AP Laboratory) and possibly
N-3	54			SA85-20B	20	Х	Х		Х	Х	Х	removed	Х		X		Х							discharged to LOU 54 .
N-3 N-3	54 54			SA85-33B SA85-35B	33 35	removed	X removed		X removed	X removed	X removed	X removed	X removed		X removed		X removed			Х	Х			GW anticipated at ~35 feet bgs
N-3	38	RSAN3		RSAN3-0.0	0.0																	Х		Boring located to evaluate LOU 38 (Former Satellite Accumulation Point, AP
N-3 N-3	38	-	-	RSAN3-0.5B RSAN3-10B	0.5 10	X	X		X	X	X	removed removed	X	X X	X	1	X	Х						Laboratory). Dilute formaldehyde titrant was used in the AP Laboratory.
N-3	38			RSAN3-20B	20	Х	Х		Х	Х	Х	removed	Х	Х	X	1	Х							GW anticipated at ~34 feet bgs
N-3 N-3	38 38	-		RSAN3-32B RSAN3-40B	32 40	X	X removed		X removed	X removed	X removed	removed removed	X removed	Х	X		X removed							
N-3	39	SA87		SA87-0.0	40	Temoveu	Temoved		Temoveu	Temoveu	Temoveu	Temoveu	Temoveu		removed		Temoveu					Х		Boring located at the southeast corner of the AP Maintenance Shop building to
N-4 N-4	39	_	8	SA87-0.5B	0.5	X	X		X	X	X	X		X			X	Х			-			evaluate LOU 39 (Satellite Accumulation Point, AP Maintenance Shop).
N-4 N-4	39 39	-	0-Inr	SA87-10B SA87-20B	10 20	X	X		X X	X X	X X	hold hold		X			X X							
N-4	39			SA87-25B	25	X	X		Х	X	X	hold		X			X							
N-4 N-4	39 5	SA165		SA87-30B SA165-0.0	30 0.0	Х	Х		Х	Х	Х	Х		Х			Х					х		Boring located in LOU 5 (Beta Ditch) to evaluate the Beta Ditch and for general
N-4	5	0/1100		SA165-0.5B	0.5	Х	Х		Х	Х	Х	х		Х		Х	Х	Х		Х	Х	~		Site coverage.
N-4	5			SA16510B SA165-20B	10 20	X	X removed	removed	X removed	X removed	X removed	X		X removed		Х	X removed			Х	Х			GW anticipated at ~30 feet bgs
N-4	5			SA165-28B	28	X	X	Ternoveu	X	X	X	X		X		Х	X			х	Х			
N-4 N-4	39 39	RSAN4	-	RSAN4-0.0 RSAN4-0.5B	0.0 0.5	X	v		x	×	v	removed		Х	X		x	v				Х		Boring located to evaluate former drum storage area in LOU 39 (Satellite Accumulation Point, AP Maintenance Shop) and for general Site coverage.
N-4	39		-	RSAN4-0.5B RSAN4-10B	10	X	X		X	X	X	removed		X	X		X	X						GW anticipated at ~33 feet bgs
N-4	39 39			RSAN4-20B RSAN4-31B	20	X	X		X	X	X	removed		X	X		X X							
N-4	39			RSAN4-31B RSAN4-40B	31 40	X removed	X removed		removed	X removed	removed	removed removed		removed	X removed		removed							
0-2	35	RSAO2		RSA02-0.0	0.0	×.		v		V	V	N/		V		N N	N N	V	×.			Х		Boring located along western boundary of Site to evaluate LOU 35 (Truck
0-2 0-2	35 35		8	RSAO2-0.5B RSAO2-10B	0.5 10	X	X	X	X	X	X X	X hold		X X	X	X	X X	Х	X					Emptying/Dumping Site) and potential offsite VOC sources from the west. PCBs and TPH-GRO were detetcted in Phase A soil boring SA09.
0-2	35		-inc	RSAO2-20B	20	Х	Х	Х	Х	Х	Х	hold		Х	X	Х	X		Х					
0-2 0-2	35 35		-	RSAO2-30B RSAO2-33B	30 33	X	X	X	X	X X	X	hold hold		X X	X	X	X		Х					
0-2	n/a	SA35		SA35-0.0	0.0																	Х		Boring located along western Site boundary to evaluate potential offsite VOC sources
0-2 0-2	n/a n/a		-	SA35-0.5B SA35-10B	0.5 10	X	X	X	X	X	X	X removed		X X	X		X X	Х		X	Х			from the west. PCBs and TPH-GRO were detetcted in Phase A soil boring SA09. GW anticipated at ~34 feet bgs
0-2	n/a			SA35-21B	21	X	X	Х	Х	Х	X	removed		Х	X		X							
0-2 0-2	n/a n/a	-		SA35-32B SA35-40B	32 40	X	X removed	X removed	X removed	X removed	X removed	X removed		X removed	X removed		X removed		removed	Х	Х			
0-2	35, 60	SA166	╞╴┝	SA35-40B SA166-0.0	0.0	removed	Territoveu	removeu	Terrioveu	renioveu	removed	removeu		Terrioved	Temoved		Terrioveu		Terrioveu			Х		Boring located along western Site boundary to evaluate LOU 35 (Truck Emptying/
0-2	35,60	_		SA166-0.5B	0.5	X	X	X	X	X	X	X		X	X	X	X	Х	X	Х	Х			Dumping Site), LOU 60 (Acid Drain System), and potential offsite VOC sources
0-2 0-2	35, 60 35, 60	-		SA166-10B SA166-20B	10 20	X	X	X X	X X	X X	X X	removed removed		X	X	X	X X		X					from the west. GW anticipated at ~33 feet bgs
0-2	35, 60			SA166-31B	31	X	X	X	X	X	X	Х		X	X	X	X		X	Х	Х			
O-3 O-3	35 35	SA48		SA48-0.0 SA48-0.5B	0.0 0.5	х	х	х	х	Х	х	Х		х	x	x	х	х	х			Х		Boring located along western Site boundary to evaluate LOU 35 (Truck Emptying/ Dumping Site) and potential offsite VOC sources from the west. PCBs and TPH-GRO
O-3	35		<mark>1-08</mark>	SA48-10B	10	X	Х	X	Х	Х	Х	Č.		X	X	Х	X		X					were detected in Phase A soil boring SA09.
O-3 O-3	35 35	_	<sup>n</sup>	SA48-20B SA48-30B	20 30	X	X	X	X	X X	X			X X	X	X	X		X					
O-3	35			SA48-35B	35	X	X	X	X	X	X	Х		X	X	X	X		X					
O-3 O-3	35 35	SA57		SA57-0.0 SA57-0.5B	0.0 0.5	х	х	X	x	х	х	х		х	X	x	х	x	X			Х		Boring located along western Site boundary to evaluate LOU 35 (Truck Emptying/ Dumping Site) and potential offsite VOC sources from the west. PCBs and TPH-GRO
O-3	35			SA57-10B	10	Х	Х	Х	Х	Х	Х	hold		Х	Х	Х	х	^	Х					were detected in Phase A soil boring SA09.
0-3	35	_	<b>1</b>	SA57-20B SA57-30B	20	X	X	X	X	X	X	hold		X	X	X	X		X		-			
O-3 O-3	35 64	SA180		SA57-30B SA180-0.0	30 0.0	Х	Х	Х	Х	Х	Х	hold		Х	Х	Х	Х		X		l	х		Boring located to evaluate soil stain in northern portion of LOU 64 (Koch
O-3	64		8	SA180-0.5B	0.5	Х	X		X	Х	Х	Х		Х	X	X	X	Х	X					Materials Company Site).
O-3 O-3	64 64	-	-Inc	SA180-10B SA180-20B	10 20	X	X		X	X X	X X	hold hold		X X	X	X	X X		X					
O-3	64			SA180-30B	30	X	X		X	X	X	hold		X	X	X	X		X					
O-3 O-3	64 64	SA181		SA181-0.0 SA181-0.5B	0.0 0.5	х	x	<u> </u>	x	Х	х	х		х	X		х	Х				Х		Boring located to evaluate soil stain in northern portion of LOU 64 (Koch Materials Company Site).
O-3	64		<mark>8</mark>	SA181-10B	10	X	X		Х	X	X	hold		X	X		X	^						machaid company one).
0-3	64 64	_	In	SA181-20B	20 30	X	X		X X	X	X X	hold		X X	X X		X X							
O-3 O-3	64 64	-		SA181-30B SA181-35B	30 35	X	X X		X	X	X	hold X		X	X		X							
55	54			5.1.0.000	50	~		·	~	~	~	~	I I	~	~		~	1		I				

## Table 2 Soil Sampling and Analytical Plan for Area I Phase B Source Area Investigation Work Plan Tronox Facility - Henderson, Nevada Page 4 of 6

Grid Location	LOU Number	Boring No. <sup>Ben</sup>	Sample ID	Sample Depths <sup>1.</sup> (ft, bgs)	Per-chlorate (EPA 314.0)	Metals <sup>2.</sup> (EPA 6020)	TPH-GRO (EPA 8015B) VOCs <sup>3.</sup> (EPA 8260E	Hex Cr <sup>4.</sup> (EPA 7199)	Wet Chem <sup>5.</sup>	OCPs <sup>6.</sup> (8081A)	Formal- dehyde (EPA 8315A) (EPA 8015B)	Total Cyanide (EPA 9012A)	SVOCs <sup>7.</sup> (EPA 8270C)	PCBs <sup>10.</sup> (EPA 8082)	Radio- nuclides <sup>8.</sup>	Dioxins/ Furans <sup>9.</sup>	PCBs <sup>10.</sup> (EPA 1668)	OPPs <sup>13.</sup>	Organic Acids <sup>14.</sup>	Asbestos <sup>11.</sup> EPA/540/R- 97/028	Geotech Tests <sup>12.</sup>	Location Description and Characterized Area Rationale
O-3	64	RSAO3	RSA03-0.0	0.0																Х		Boring located to evaluate soil stain in northern portion of LOU 64 (Koch
0-3	64		RSA03-0.5B	0.5	Х	Х	Х	Х	Х	removed	Х		Х		Х	Х						Materials Company Site).
0-3	64		RSA03-10B	10	X	Х	X	X	X	removed	X		Х		X							GW anticipated at ~33 feet bgs
0-3	64		RSA03-20B	20	X	X	X	X	X	removed	X		X	_	X							-
0-3 0-3	64 64		RSA03-31B RSA03-37B	31 37	X removed	X removed	X removed	X	X removed	removed removed	X removed		X removed	_	X removed							
0-3	60, 64	SA176	SA176-0.0	0.0	removed	Terrioved	Ternoved	Terrioved	Terrioved	removed	Terrioved		Terrioved		Terrioved					Х		Boring located to evaluate LOU 60 (Acid Drain System) pipelines and LOU 64 (Koch
0-3	60, 64	SAITO	SA176-0.5B	0.5	х	Х	Х	×	х	X	Х		X		х	x		Х	х	~		Materials Company Site).
0-3	60, 64		SA176-10B	10	X	X	X	X	X	X	X		X		X	~		X	X			GW anticipated at ~39 feet bgs
O-3	60, 64		SA176-20B	20	removed	removed	removed	removed	removed	removed	removed		removed		removed							
O-3	60,64		SA176-23B	23	Х	Х	Х	Х	Х	Х	Х		Х		Х			Х	Х			
O-3	60, 64		SA176-30B	30	removed	removed	removed	removed	removed	removed	removed		removed		removed							
0-3	60, 64		SA176-37B	37	Х	Х	Х	Х	Х	Х	Х		Х		Х			Х	Х			
0-3	n/a	SA207	SA207-0.0	0.0	X	X	× ×	N/	× ×	X	×		X	_	X	N/			-	Х		Boring located to evaluate area between LOU 35 (Truck Emptying/Dumping Site) and
0-3 0-3	n/a	a a a a a a a a a a a a a a a a a a a	SA207-0.5B SA207-10B	0.5	X	X X	X	X	X	X hold	X	-	X		X	Х						LOU 64 (Koch Materials Company Site).
0-3	n/a n/a		SA207-10B SA207-20B	20	X	X X	X	X	X	hold	X	1	X		X							4
0-3	n/a	-	SA207-20B SA207-30B	30	x	X	X	x	X	hold	X		X		x							
0-3	n/a		SA207-40B	40	X	X	X	X	X	X	X		X		X							
0-4	64	SA46	SA46-0.0	0.0																Х		Boring located to evaluate LOU 64 (Koch Materials Company Site) OCPs added to
O-4	64	α	SA46-0.5B	0.5	Х	Х	Х	Х	Х	Х	Х		Х		Х	Х						SA46 at the request of NDEP in comments to the Phase A report.
0-4	64	-	SA46-10B	10	Х	Х	Х	Х	Х	hold	Х		Х		Х							
O-4	64	_	SA46-20B	20	Х	Х	Х	Х	Х	hold	Х		Х		Х							
0-4	64		SA46-30B	30	Х	Х	Х	Х	Х	hold	Х		Х		Х							
0-4	64	SA47	SA47-0.0	0.0	× ×	X	× ×	N/	V	X	× ×		× ×		N N	N/				Х		Boring located to evaluate LOU 64 (Koch Materials Company Site).
0-4 0-4	64 64	α	SA47-0.5B SA47-10B	0.5	X	X	X	X	X	X	X	-	X		X	Х						
0-4	64	-	SA47-10B SA47-20B	20	X	X	× ×	×	X	hold	× ×		X	-	X							-
0-4	64	_	SA47-30B	30	X	X	X	X	X	hold	X		X		X							
0-4	64		SA47-35B	35	X	X	X	X	X	X	X		X		X							
0-4	64	SA55	SA55-0.0	0.0																Х		Located as a downgradient boring to LOU 64 (Koch Materials Company Site) as a
O-4	64		SA55-0.5B	0.5	Х	Х	Х	Х	Х	removed	Х		Х		Х	Х						step-out to LOU 35 (Truck Emptying/Dumping Site) to investigate for VOCs from
O-4	64		SA55-10B	10	Х	Х	X	Х	Х	removed	Х		Х		Х							potential offsite sources to the west, and for general Site coverage.
0-4	64		SA55-22B	22	X	X	X	X	x	removed	X		Х	_	X							GW anticipated at ~37 feet bgs
0-4	64		SA55-30B	30	removed	removed	removed		removed	removed	removed		removed		removed							-
0-4 0-4	64 64	RSAO4	SA55-35B RSA04-0.0	35 0.0	Х	Х	Х	Х	х	removed	Х		Х	_	Х					х		Paring leasted to such tab. (UL 64 (Keek Materials Company Cite)
0-4	64	KSAU4	RSA04-0.0 RSA04-0.5B	0.5	х	Х	Х	×	х	X	Х		Х	Х	Х	х	Х		-	^		Boring located to evaluate LOU 64 (Koch Materials Company Site).
0-4	64	e e e	RSA04-0.5B	10	X	X	X	X	X	hold	X	1	X	X	X		X			1		1
0-4	64		RSA04-20B	20	X	X	X	X	X	hold	X		X	X	X		X					
0-4	64		RSA04-30B	30	Х	Х	Х	Х	Х	hold	Х		Х	Х	Х		Х					
0-4	64		RSA04-36B	36	Х	Х	Х	Х	Х	Х	Х		Х	Х	Х		Х					
O-4	60, 64	SA182	SA182-0.0	0.0																Х		Boring located to evaluate soil stain in northern portion of LOU 64 (Koch Materials
0-4	60, 64		SA182-0.5B	0.5	X	Х	X	Х	X	X	X		Х		X	Х		Х	Х			Company Site) and LOU 60 (Acid Drain System).
0-4	60, 64		SA182-10B	10	X	X	X	X	X	X	X		X		X			Х	Х			GW anticipated at ~40 feet bgs
0-4 0-4	60, 64 60, 64		SA182-20B SA182-24B	20 24	removed X	removed X	removed X	removed	removed X	removed X	removed X		removed X		removed X			х	х			4
0-4	60, 64		SA182-24B SA182-30B	30	removed	removed	removed		removed	removed	removed		removed		removed			^	^			4
0-4	60, 64		SA182-38B	38	X	X	X	X	X	X	X		X		X			Х	Х		1	4
0-4	64	SA183	SA183-0.0	0.0		~				~								~	~	Х		Boring located to evaluate soil stain in northern portion of LOU 64 (Koch Materials
0-4	64		SA183-0.5B	0.5	Х	Х	Х	Х	Х	Х	Х		Х		Х	Х					1	Company Site).
O-4	64		SA183-10B	10	Х	Х	Х	Х	Х	hold	Х		Х		Х							
0-4	64		SA183-20B	20	Х	Х	Х	Х	Х	hold	Х		Х		Х							1
0-4	64		SA183-30B	30	X	Х	X	Х	X	hold	X		Х		X							4
0-4	64		SA183-33B	33	X	X	X 000	X	X	X	X	1	X	10	X							
Total #:	Borings:	68			264	263	85 263	263	263	124	8 251	1	246	42	263	68	33	36	36	68	0	

## Table 2 Soil Sampling and Analytical Plan for Area I Phase B Source Area Investigation Work Plan Tronox Facility - Henderson, Nevada Page 5 of 6

Grid Location	LOU Num	nber Bori	ring No. <sup>B</sup>	ອອດ Sample ID E ທິ	Sample Depths <sup>1.</sup> (ft, bgs)	Per-chlorate (EPA 314.0)	Metals <sup>2.</sup> (EPA 6020)	TPH-GRO (EPA 8015B)	VOCs <sup>3.</sup> (EPA 8260B)	Hex Cr <sup>4.</sup> (EPA 7199)	Wet Chem <sup>5.</sup>	OCPs <sup>6.</sup> (8081A)	Formal- dehyde (EPA 8315A)	TPH- DRO/ORO (EPA 8015B)	Total Cyanide (EPA 9012A)	SVOCs <sup>7.</sup> (EPA 8270C)	PCBs <sup>10.</sup> (EPA 8082)	Radio- nuclides <sup>8.</sup>	Dioxins/ Furans <sup>9.</sup>	PCBs <sup>10.</sup> (EPA 1668)	OPPs <sup>13.</sup>	Organic Acids <sup>14.</sup>	Asbestos <sup>11.</sup> EPA/540/R- 97/028	Geotech Tests <sup>12.</sup>	Location Description and Characterized Area Rationale
Synthetic F	recipitate	Leaching	g Procedu	re (SPLP) Samples <sup>11</sup> :																					
J-3	1, 32		RSAJ3	RSAJ3-10B	10	x	x		х	x	x	x	x			x	×	x		×	×	×		х	Soil sample collected from the outlet of LOU 60 (Acid Drain System) to evaluate leaching potential of Site-related
J=3	1, 32		GAJ3	K3A33-10B		^	^		^	~	^	^	^			^	^	^		^	^	^		^	analytes from Alluvium (Qal) soils. Expected soil type: Sand. Optional sample - only to be collected if soil type is different than at 10 ft bgs.; no sample will be collected
J-3	1, 32	RS	RSAJ3	RSAJ3-DDB	DD* = depth (ft)	x	Х		х	Х	x	Х	x			Х	Х	Х		Х	х	Х		х	within the capillary fringe. Contact between Qal & MCfg1 is approximately 38 feet bgs. Groundwater is expected to occur at approximately 33
-7	22, 23	3 R	RSAI7	RSAI7-10B	10	x	Х		х	Х	x	х				х	х	Х		х	х	Х		х	Soil sample collected from the northern portion of of LOU 1 (former Trade Effluent Settling Ponds), LOUs 22 & 23 (Ponds WC-West & WC-East), and LOU 32 (Chromium and Perchlorate Groundwater Remediation Unit) to evaluate leaching potential of Site-related
I-7	22, 23	B R	RSAI7	RSAI7-DDB	DD* = depth (ft)	х	х		х	х	x	x				х	х	х		х	х	х		х	Optional sample - only to be collected if soil type is different than at 10 ft bgs.;no sample will be collected within the capillary fringe. Contact between Qal & MCfg1 is approximately 27 feet bgs. Groundwater is expected to occur at approximately 25
M-3	2	RS	SAM3	RSAM3-10B	10	х	х		х	х	х	х				х	х	х		х	х	х		х	Soil sample collected below LOU 2 (Open Area South of Trade Effluent Settling Ponds) to evaluate leaching potential of Site-related analytes. Expected soil type: Sand
M-3	2	RS	SAM3	RSAM3-30B	30	x	х		х	х	x	х				х	х	х		х	х	х		х	Soil sample collected from below the northern part of LOU 2 (Open Area South of Trade Effluent Settling Ponds) to evaluate leaching potential of Site-related analytes from Muddy Creek Formation - First Fine-Grained Facies (MCit1) soils. Contact between Q
N-2	35	S	SA56   10   X <td>х</td> <td>Soil sample collected from beneath the northwest portion of LOU 35 (Truck Emptying/Dumping Site) to evaluate leaching potential of Site-related analytes. Expected soil type: Gravelly Sand.</td>														х	Soil sample collected from beneath the northwest portion of LOU 35 (Truck Emptying/Dumping Site) to evaluate leaching potential of Site-related analytes. Expected soil type: Gravelly Sand.							
N-2	35	S	SA56     SA56-30B     30     X <t< td=""><td></td><td>х</td><td>Soil sample collected from below beneath the northwest portion of LOU 35 (Truck Emptying/Dumping Site) to evaluate leaching potential of Site-related analytes from Muddy Creek Formation - First Fine-Grained Facies (MCirt) soils. Contact between Qai and M</td></t<>															х	Soil sample collected from below beneath the northwest portion of LOU 35 (Truck Emptying/Dumping Site) to evaluate leaching potential of Site-related analytes from Muddy Creek Formation - First Fine-Grained Facies (MCirt) soils. Contact between Qai and M						
0-2	35, 60	) SA	SA166	SA166-10B	10	х	х		х	х	х	х				х	х	х		х	х	х		х	Soil sample collected from beneath the northwest portion of LOU 35 (Truck Emptying/Dumping Site) and LOU 60 (former Acid Drain System) to evaluate leaching potential of Site-related analytes. Expected soil type: Sandy
0-2	35, 60	) SA	SA166	SA166-35B	35	х	х		х	х	x	x				х	х	х		х	x	х		х	Gravel. Soil sample collected from below beneath the northwest portion of LOU 35 (Truck Emptying/Dumping Site) and LOU 60 (Acid Drain System) to evaluate leaching potential of Site-related analytes from Muddy Creek Formation -
O-4	64	SA	SA182	SA182-10B	10	х	х		х	х	х	Х				х	х	х		х	x	х		х	First Fine-Grained Facies (MCft11) so Soil sample collected from northeast portion of LOU 64 (Koch Materials Company Site) and LOU 60 (Acid Drain System) to evaluate leaching potential of Site-related analytes. Expected soil type: Gravelly Sand
0-4	64	SA	SA182	SA182-30B	30	х	х		х	х	х	Х				х	х	х		х	х	х		х	Soil sample collected from below beneath the northeast portion of LOU 64 (Koch Materials Company Site) and LOU 60 (Acid Drain System) to evaluate leaching potential of Site-related analytes from Muddy Creek Formation - First Fine-Grained Facies (MCta1) so
Numb	er of Samp		•			276	275	85	275	275	275	83	10	251		258	42	275	68	33	36	36	68	12	
		QA/0	/QC Sampl																						
			ld Duplicat Id Blanks	es (10%)		28 1	28 1	9 1	28 1	28 1	28 1	8	1	25 1		26 1	4	28 1	7	3	4	4	3	0	
			ipment Rins Blank Sar			1	1	1	1 10	1	1	1	1	1		1	1	1	1	1	1	1	3	0	
			trix Spike (			14	14	4	14	14	14	4	1	13		13	2	14	3	2	2	2	1	0	
			rix Spike Du			14	14	4	14	14	14	4	1	13		13	2	14	3	2	2	2	1	0	
n/a			al Sample (	count: e - boring is not asso	ciated with a spe	333 cific LOU but i	332 s located to e	104 evaluate soil	342 for general a	332 area-wide cov	332 erage.	102	14	303	U	312	52	332	84	42	45	45	77	12	
Х		Sam	mple will be	e collected and analy	zed.				j																
DD*				llected under Phase to be determined in			anth (ft)																		
TPH-GRO				m hydrocarbons - Ga			epin (ii).																		
PH-DRO/OI	RO	Tota	al petroleu	m hydrocarbons - Di	esel-Range Orga	nics/Oil-Rang																			
SPLP 1				s will be analyzed by														nont Altorna	telv if an unn	aved area is	within a rea	sonable dist	inco the san	nle will be r	moved to the unpaved area.
2.				es includes Aluminu,																					
3.				OC analysis will be p	preserved in the f	field using sod	ium bisulfate	(or DI wate	r) and metha	nol preservati	ves per EPA N	lethod 5035.													
4.			xavalent C	hromium / parameters include:	alkalinity (total		ammonia br	omide chlo	rata chlorida	conductivity	cvanide (total	) nitrate nitrite	a nerchlorat	o nH nhosnh	ate (total) s	ulfate surfac	tante (MRAs	etoT 20T (a	l Organic Car	bon and TS	9				
6.				e Pesticides (include				ornide, orno		, conductivity	, oyunido (total	<i>y</i> , maato, maato	, perenierat	o, pri, prioopr		unato, sunao		<i>)</i> , 100, 100			0.				
7.				Organic Compounds																					
<u> </u>		Rad	dionuclides	s consists of alpha sp s will be analyzed by	EPA Method 820	sotopic thoriur	n and isotopi	c uranium, a	Ind Radium-2	226, plus Rad 1 for 90% of t	dium-228 by be	eta counting (p d full data pac	er NDEP). kages for 10	% of the same	hles										
10.		Poly	ychlorinate	ed biphenyls - Sample	e locations will be	analyzed by	USEPA meth	ods 8082 a								r EPA Regior	1 SOP for	Sampling Co	ncrete in the	Field (1997).					
11.				for asbestos analyse					14 D 400	0447.04	- 1 D D					0-11 14/	led D		04.0\.\(	Linear P. C.	and and the st				
12 13				Tests consist of: mo horous Pesticides	isture content (A	STM D-2216),	grain size ar	nalysis (AST	M D-422 and	1C117-04), S	oil Dry Bulk De	ensity (ASTM L	0-2937), Gra	in Density (A	STM D-854, S	Soil-Water Fi	lied Porosity	(ASTM D-22	216); Vertical	Hydraulic Co	onductivity (	ASTM D-5084	USEPA 910	0).	
14		Orga	ganic Acid	analysis includes the									,O-Dimethyl	ohosphorodith	ioic acid; and	d Phthalic aci	id.								
X				g indicates new addit																					
removed abcd				licates that soil samp recently added	ie will not be ana	iiyzeu ior spec	and analyte cla	ass, per con	munication \	wiwin NDEP(	зертенирег 8, 2	2008)													
D			plicate San																						
										-			-	-				-			-		-		

# Table 2 Soil Sampling and Analytical Plan for Area I Phase B Source Area Investigation Work Plan Tronox Facility - Henderson, Nevada Page 6 of 6