



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-0012 RAES T033			Sampler Name	Andrew Halverson			
Sample Analyzed:	CR-L-0-SL-01			Print				
Date Analyzed:	09/09/2022			Sampler Signature	<i>Andrew Halverson</i>			
Time Analyzed:	9 AM							
Original Dry Mass [g]	313.76							
Original Slurry Mass [lb]	N/A							

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.65	110.95	7.30	03:38	5:01	✓	✓	CR-L-0-SL-01 + #25
50	297	9.42	31.24	18.106	07:18	5:02	✓	✓	CR-L-0-SL-01 + #50
100	149	9.65	88.26	40.52	06:54	5:03	✓	✓	CR-L-0-SL-01 + #100
140	105	9.26	70.28	48.25	10:41	5:05	✓	✓	CR-L-0-SL-01 + #140
200	74	9.87	58.12	19.00	04:14	5:06	✓	✓	CR-L-0-SL-01 + #200
270	53	9.71	28.71	76.85	07:10	5:07	✓	✓	CR-L-0-SL-01 + #270
-270	-53	2.10	78.95		N/A	5:10	✓	✓	CR-L-0-SL-01 - #270
Totals:						9/14			

MO

#50M Net mass total = 21.82



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001:RAES TOX3		Sampler Name	Andrew Halverson						
Sample Analyzed:	CR-L-4-SY PSD 1 of 3		Print							
Date Analyzed:	09/06/2022		Sampler Signature							
Time Analyzed:	4 PM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	17.6 16.4									
Wet RO-TAP Procedure										
Size Fraction (US Mesh)	Size Fraction (micron)	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	Sample Bag Label	
25	707	4.28	17.68	5.40	03:10	8:52	✓	✓	CR-L-4-SY #50	
50	297	4.90	39.29	29.39	06:40	8:50	✓	✓	CR-L-4-SY #100	
100	149	4.29	113.50	104.21	07:20	8:50	✓	✓	CR-L-4-SY #140	
140	105	4.55	87.46	77.91	12:23	8:49	✓	✓	CR-L-4-SY #200	
200	74	4.47	61.21	51.74	04:42	8:47	✓	✓	CR-L-4-SY #270	
270	53	4.80	29.73	19.93	06:17	8:45	✓	✓	CR-L-4-SY #270	
-270	-53	2.13	31.98	29.85	N/A	9:01	✓	✓		
Totals:						9/8				

organics in +25M
 -270M paper weight not recorded - 2.13 considered Average wt.



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001 : RAES T033					Sampler Name	Andrew Halverson		
Sample Analyzed:	CR-L-4-SY PSD 20F3					Print			
Date Analyzed:	09/06/2022					Sampler Signature			
Time Analyzed:	4 PM								
Original Dry Mass [g]	N/A								
Original Slurry Mass [lb]	16.4								

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.78	20.51	10.73	02:36	8:52	✓	✓	CR-L-4-SY + #25
50	297	9.37	53.71	44.34	05:53	8:50	✓	✓	CR-L-4-SY + #50
100	149	9.70		113.40	06:38	8:50	✓	✓	CR-L-4-SY + #100
140	105	9.67	123.10	71.78	09:59	8:49	✓	✓	CR-L-4-SY + #140
200	74	9.57	81.45	43.19	05:29	8:47	✓	✓	CR-L-4-SY + #200
270	53	7.72	52.76	13.70	07:35	8:45	✓	✓	CR-L-4-SY + #270
-270	-53	2.14	23.42	16.53	N/A	9:01	✓	✓	CR-L-4-SY - #270
Totals:			18.67			9/8	MO		

organics in +25M



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAEST033					Sampler Name	Andrew Halverson				
Sample Analyzed:	CR-L-4-SY PSD 30FS					Print					
Date Analyzed:	09/07/2022					Sampler Signature					
Time Analyzed:	10 AM										
Original Dry Mass [g]	N/A										
Original Slurry Mass [lb]	16.4										
Wet RO-TAP Procedure						Checklist			Sample Bag Label		
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF			
25	707	9.88	14.85	4.97	09:53	8:52	✓	✓	CR-L-4-SY + #25		
50	297	9.34	29.50	20.16 ^{mo}	12:57	8:50	✓	✓	CR-L-4-SY + #50		
100	149	9.41	84.79	75.38	05:56	8:50	✓	✓	CR-L-4-SY + #100		
140	105	10.01	76.33	66.32	09:34	8:49	✓	✓	CR-L-4-SY + #140		
200	74	9.88	62.20	52.32	04:35	8:47	✓	✓	CR-L-4-SY + #200		
270	53	9.48	34.82	25.34	06:44	8:45	✓	✓	CR-L-4-SY + #270		
-270	-53	2.07	mo 31.98	66.89	N/A	9:01	✓	✓	CR-L-4-SY + #270		
Totals:						9/8					

organics in +25M & +50M

-270 wt Net MASS = 64.82

mo



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		R 22015-001 : RAESTO33				Sampler Name		Andrew Halverson	
Sample Analyzed:		C.R.-L-8-SY PSD 1063				Print			
Date Analyzed:		09/07/2022				Sampler Signature		<i>Andrew Halverson</i>	
Time Analyzed:		2 PM							
Original Dry Mass [g]		N/A							
Original Slurry Mass [lb]		Net 17.0							

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.55	14.58	7.03	02:25	1:56	✓	✓	CR-L-8-SY + #25
50	297	9.82	45.67	35.85	05:51	1:54	✓	✓	CR-L-8-SY + #50
100	149	9.95	125.31	115.36	05:02	1:49.62	✓	✓	CR-L-8-SY + #100
140	105	9.84	95.52	85.68	08:04	1:49.52	✓	✓	CR-L-8-SY + #140
200	74	10.02	64.25	54.23	06:32	1:48.50	✓	✓	CR-L-8-SY + #200
270	53	9.81	32.25	22.44	09:01	1:48	✓	✓	CR-L-8-SY + #270
-270	-53	2.14	44.09	41.95	N/A	2:00	✓	✓	CR-L-8-SY - #270
Totals:						9/8			

organics in +25M

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAES T033		Sampler Name		Andrew Halverson	
Sample Analyzed:		CR-L-8-SY PSP 20f3		Print			
Date Analyzed:		09/07/2022		Sampler Signature		[Signature]	
Time Analyzed:		4 PM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		Net 17.0					

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.53	14.24	4.71	01:30	1:56	✓	✓	CR-L-8-SY + #25
50	297	9.77	42.09	32.32	04:10	1:54	✓	✓	CR-L-8-SY + #50
100	149	9.16	119.99	110.83	06:36	1:52	✓	✓	CR-L-8-SY + #100
140	105	9.51	92.85	83.34	09:35	1:52	✓	✓	CR-L-8-SY + #140
200	74	9.47	66.22	56.75	04:06	1:50	✓	✓	CR-L-8-SY + #200
270	53	9.63	320.6	22.43	06:43	1:48	✓	✓	CR-L-8-SY + #270
-270	-53	2.05	44.84	42.79	N/A	2:00	✓	✓	CR-L-8-SY - #270
Totals:						9/8			

organics in +25M

mo



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	42013-001: RAES TOX3					Sampler Name	Andrew Halverson			
Sample Analyzed:	GR-L-8-SY PSD 30FS					Print				
Date Analyzed:	09/02/2022					Sampler Signature				
Time Analyzed:	5 PM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 17.0									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.51	13.79	4.68	02:29	1:56	✓	✓	CR-L-8-SY + #25	
50	297	9.62	37.68	28.06	06:03	1:54	✓	✓	CR-L-8-SY + #50	
100	149	9.67	99.81	90.14	05:40	1:52	✓	✓	CR-L-8-SY + #100	
140	105	9.47	76.20	66.73	08:27	1:52	✓	✓	CR-L-8-SY + #140	
200	74	9.53	54.06	44.53	04:34	1:50	✓	✓	CR-L-8-SY + #200	
270	53	9.69	27.35	17.66	07:28	1:48	✓	✓	CR-L-8-SY + #270	
-270	-53	2.13	29.46	27.33	N/A	2:00	✓	✓	CR-L-8-SY - #270	
Totals:						9/8				

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001 : RA65 TO 82					Sampler Name	Andrew Halverson			
Sample Analyzed:	CR-L-30-SF PSD 1 of 3					Print				
Date Analyzed:	09/08/2022					Sampler Signature	<i>Andrew Halverson</i>			
Time Analyzed:	8 AM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 17.0									

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.69	15.08	5.39	02:35	2:15	✓	✓	CR-L-30-SF
50	297	9.43	37.88	28.45	06:48	2:16	✓	✓	CR-L-30-SF
100	149	9.65	112.02	102.37	06:07	2:18	✓	✓	CR-L-30-SF
140	105	10.40	95.80	85.40	08:55	2:19	✓	✓	CR-L-30-SF
200	74	9.79	72.50	62.71	06:13	2:22	✓	✓	CR-L-30-SF
270	53	9.81	37.48	27.67	08:42	2:23	✓	✓	CR-L-30-SF
-270	-53	2.11	74.79	72.68	N/A	2:30	✓	✓	CR-L-30-SF
Totals:						9/12			

Additional -270 matl from CR-L-30-WT

PAN + SOLIDS 9.71

PAN = 9.44

-270 Netmass total = 74.71



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: 22013-001: RAES TOX3		Sampler Name: Andrew Halverson	
Sample Analyzed: CR-L-30-SY PSD 20F3		Print	
Date Analyzed: 09/08/2022		Sampler Signature: <i>[Signature]</i>	
Time Analyzed: 11 AM			
Original Dry Mass [g]: N/A			
Original Slurry Mass [lb]: Net 17.0			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.96	14.41	4.45	01:57	2:15	✓	✓	CR-L-30-SY + #25
50	297	10.08	27.65	27.57	05:08	2:16	✓	✓	CR-L-30-SY + #50
100	149	9.35	104.51	95.16	04:27	2:19	✓	✓	CR-L-30-SY + #100
140	105	9.50	78.57	69.07	07:51	2:19	✓	✓	CR-L-30-SY + #140
200	74	9.46	55.31	45.85	05:52	2:22	✓	✓	CR-L-30-SY + #200
270	53	9.72	28.46	18.74	08:07	2:23	✓	✓	CR-L-30-SY + #270
-270	-53	2.08	mo to 79	32.96	N/A	2:30	✓	✓	CR-L-30-SY - #270
Totals:						9:12			

-270 M Net mass total = 30.88

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: 22013-001: RAES T033		Sampler Name: Andrew Halverson	
Sample Analyzed: CR-L-30-SV PSD 30+3		Print	
Date Analyzed: 09/08/2022		Sampler Signature: <i>Andrew Halverson</i>	
Time Analyzed: 4 PM			
Original Dry Mass [g]: N/A			
Original Slurry Mass [lb]: Net 17.0			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.42	14.48	4.99	02:20	2:15	✓	✓	CR-L-30-SV + #25
50	297	9.32	39.58	30.21	06:08	2:16	✓	✓	CR-L-30-SV + #50
100	149	9.57	11.09	101.52	05:54	2:18	✓	✓	CR-L-30-SV + #100
140	105	9.39	85.47	76.08	08:20	2:19	✓	✓	CR-L-30-SV + #140
200	74	9.65	59.43	49.78	05:58	2:22	✓	✓	CR-L-30-SV + #200
270	53	9.78	29.08	19.22	07:27	2:23	✓	✓	CR-L-30-SV + #270
-270	-53	2.13	33.58	31.45	N/A	4:16	9/12	✓	✓
Totals:						9/12			

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES T033 / 22013-001					Sampler Name	Andrew Halversen				
Sample Analyzed:	CR-M-0-SL-01					Print					
Date Analyzed:	09/14/2022					Sampler Signature					
Time Analyzed:	11 AM										
Original Dry Mass [g]	314.55										
Original Slurry Mass [lb]	N/A										
Wet RO-TAP Procedure						Checklist			Sample Bag Label		
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF			
25	707	4.36	46.33	36.97	05:17	2:10	✓	✓	CR-M-0-SL-01 + #25		
50	297	4.66	87.21	77.55	08:15	2:11	✓	✓	CR-M-0-SL-01 + #50		
100	149	9.26	93.58	84.32	05:03	2:12	✓	✓	CR-M-0-SL-01 + #100		
140	105	9.42	37.80	20.38	08:02	2:12	✓	✓	CR-M-0-SL-01 + #140		
200	74	9.60	30.48	20.88	03:57	2:14	✓	✓	CR-M-0-SL-01 + #200		
270	53	9.14	18.58	9.44	06:13	2:16	✓	✓	CR-M-0-SL-01 + #270		
-270	-53	2.19	58.35	56.16	N/A	2:21	✓	✓	CR-M-0-SL-01 - #270		
Totals:						09/19					

Water Buckets:	1 of 2	Tare:	2.0	Gross:	39.2	Net:	37.2
(-270)	2 of 2		2.0		39.2		37.2

0.45µm Syringe filters

	tare wt:	wet wt	dry wt	
1. 2.8090	g	g	g	09/19 6AM
2. 2.8096	3.2037	2.8131	01/11 6AM	
3. 2.8182	3.1905	2.8109	09/20 150pm	
4. 2.8071	3.0602	2.8182		
5. 2.7957	Not used			
	Not used			

Water Buckets Post 1st filter,	1 of 2	Tare:	2.0	Gross:	39.0	Net:	37.0
Pre-Recycle through	2 of 2		2.0		39.0		37.0
pressure filter							
Water Buckets Post-Recycle:	1 of 2	Tare:	2.0	Gross:	40.2	Net:	38.2
	2 of 2		2.0		36.8		34.8



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAES T033		Sampler Name		Andrew Halverson			
Sample Analyzed:		CR-M-4-SY PSD 1663		Print					
Date Analyzed:		09/01/2022		Sampler Signature		<i>Andrew Halverson</i>			
Time Analyzed:		10 AM							
Original Dry Mass [g]		N/A							
Original Slurry Mass [lb]		Net 17.4							
Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.74	39.43	29.69	04:15	3:00	✓	✓	CR-M-4-SY + #25
50	297	9.84	133.41	123.57	07:20	3:02	✓	✓	CR-M-4-SY + #50
100	149	9.86	118.98	109.12	04:25	3:03	✓	✓	CR-M-4-SY + #100
140	105	9.73	45.46	35.72	07:31	3:10	✓	✓	CR-M-4-SY + #140
200	74	9.51	32.70	23.19	02:59	3:12	✓	✓	CR-M-4-SY + #200
270	53	9.82	20.29	10.47	05:36	3:14	✓	✓	CR-M-4-SY + #270
-270	-53	2.02	44.64	42.62	N/A	3:18	✓	✓	CR-M-4-SY - #270
Totals:						9:14	###		

mo



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAES TOJ3				Sampler Name		Andrew Halverson		
Sample Analyzed:		CR-M-4-S4 PSD 20+3				Print				
Date Analyzed:		09/09/2022				Sampler Signature				
Time Analyzed:		12 PM								
Original Dry Mass [g]		N/A								
Original Slurry Mass [lb]		Net 17.4								
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.74	310.96	27.22	04:31	3:00	✓	✓	CR-M-4-S4 + #25	
50	297	9.71	121.03	121.72	07:45	3:02	✓	✓	CR-M-4-S4 + #50	
100	149	9.50	127.78	118.28	05:27	3:03	✓	✓	CR-M-4-S4 + #100	
140	105	9.54	45.67	36.13	08:57	3:10	✓	✓	CR-M-4-S4 + #140	
200	74	9.64	32.28	22.64	02:59	3:12	✓	✓	CR-M-4-S4 + #200	
270	53	9.72	20.03	10.31	05:52	3:14	✓	✓	CR-M-4-S4 + #270	
-270	-53	2.17	30.78	33.31	N/A	3:18	✓	✓	CR-M-4-S4 - #270	
Totals:						9/14			MO	



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAFS F633 / 22013-001			Sampler Name	Andrew Halverson		
Sample Analyzed:	CR-M-4-SY PSD 3 of 3			Print			
Date Analyzed:	09/12/2022			Sampler Signature	<i>Andrew Halverson</i>		
Time Analyzed:	8 AM						
Original Dry Mass [g]	N/A						
Original Slurry Mass [lb]	NET 17.4						

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.77	35.34	25.57	03:27	3:00	✓	✓	CR-M-4-SY	+ #25
50	297	9.54	133.82	124.28	08:42	3:02	✓	✓	CR-M-4-SY	+ #50
100	149	9.58	153.23	136.91	04:43	3:03	✓	✓	CR-M-4-SY	+ #100
140	105	9.57	51.50	41.93	07:56	3:10	✓	✓	CR-M-4-SY	+ #140
200	74	9.60	34.44	24.84	03:27	3:12	✓	✓	CR-M-4-SY	+ #200
270	53	9.58	20.23	10.65	06:05	3:14	✓	✓	CR-M-4-SY	+ #270
-270	-53	2.11	35.35	33.24	N/A	3:18	✓	✓	CR-M-4-SY	- #270
Totals:						9/14				

* by backcalc → DRY MASS TOTAL

sample wet when removed initially from oven

↳ total 100M recovered = 353.13g

bag wt 2.43g

bag + sample 355.56g

100M Net MASS total = 125.73g



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001 : RAES T033		Sampler Name		Andrew Halverson	
Sample Analyzed:		CR-M-8-SY PSD 3 of 4		Print			
Date Analyzed:		09/12/2022		Sampler Signature			
Time Analyzed:		11 AM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		Net 18.8					

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.80	42.21	32.41	03:39	5:09	✓	✓	CR-M-8-SY + #25
50	297	9.69	114.25	124.56	06:09	5:10	✓	✓	CR-M-8-SY + #50
100	149	9.89	130.16	120.27	04:40	5:12	✓	✓	CR-M-8-SY + #100
140	105	9.79	52.50	42.71	07:18	5:11	✓	✓	CR-M-8-SY + #140
200	74	9.51	31.29	21.78	03:10	6:14	✓	✓	CR-M-8-SY + #200
270	53	9.82	19.56	9.74	05:35	6:15	✓	✓	CR-M-8-SY + #270
-270	-53	2.08	40.26	38.18	N/A	4:45	✓	✓	CR-M-8-SY - #270
Totals:						9/14			

#50 Net MASS total = 104.56 MD



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: 22013-001: RAES TO33		Sampler Name		Andrew Halverson	
Sample Analyzed: CR-M-8-SY PCO 2 of 4		Print			
Date Analyzed: 09/12/2022					
Time Analyzed: 2 PM					
Original Dry Mass [g] N/A		Sampler Signature			
Original Slurry Mass [lb] Net 18.8					

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.32	70.71	61.39	03:36	5:09	✓	✓	CR-M-8-SY	+ #25
50	297	9.68	123.53	113.85	06:24	5:10	✓	✓	CR-M-8-SY	+ #50
100	149	9.69	99.80	90.11	03:37	5:12	✓	✓	CR-M-8-SY	+ #100
140	105	9.78	28.34	18.56	05:59	5:11	✓	✓	CR-M-8-SY	+ #140
200	74	9.83	23.65	13.82	02:10	5:14	✓	✓	CR-M-8-SY	+ #200
270	53	9.81	16.87	7.06	03:40	5:15	✓	✓	CR-M-8-SY	+ #270
-270	-53	2.11	26.97	24.86	N/A	5:45	✓	✓	CR-M-8-SY	- #270
Totals:						9/14				

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAES T033		Sampler Name		Andrew Halverson	
Sample Analyzed:		CR-M-8-SY PSD 30+4		Print			
Date Analyzed:		09/12/2022		Sampler Signature			
Time Analyzed:		2:40 PM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		Net 18.8					

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.35	54.07	44.72	03:34	5:09	✓	✓	CR-M-8-SY	+ #25
50	297	9.67	151.16	141.49	07:25	5:10	✓	✓	CR-M-8-SY	+ #50
100	149	9.53	113.37	103.84	04:28	5:12	✓	✓	CR-M-8-SY	+ #100
140	105	9.55	34.91	25.36	07:37	5:11	✓	✓	CR-M-8-SY	+ #140
200	74	9.71	25.22	15.51	02:24	5:14	✓	✓	CR-M-8-SY	+ #200
270	53	9.58	17.25	7.67	04:23	5:15	✓	✓	CR-M-8-SY	+ #270
-270	-53	2.09	28.01	25.92	N/A	54:45	✓	✓	CR-M-8-SY	- #270
Totals:						9/14				

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAES T633					Sampler Name	Andrew Halverson		
Sample Analyzed:	CR-M-8-SY PSD 40F4					Print			
Date Analyzed:	09/13/2022								
Time Analyzed:	8 AM								
Original Dry Mass [g]	N/A					Sampler Signature			
Original Slurry Mass [lb]	Net 18.8								

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.77	36.47	210.70	04:02	5:09	✓	✓	CR-M-8-SY + #25
50	297	9.33	112.96	103.63	07:04	5:10	✓	✓	CR-M-8-SY + #50
100	149	9.57	119.78	110.21	04:43	5:12	✓	✓	CR-M-8-SY + #100
140	105	9.36	48.40	29.04	08:29	5:11	✓	✓	CR-M-8-SY + #140
200	74	9.78	35.38	25.60	03:33	5:14	✓	✓	CR-M-8-SY + #200
270	53	9.41	20.52	11.11	05:30	5:15	✓	✓	CR-M-8-SY + #270
-270	-53	2.06	44.25	42.29	N/A	4:45	✓	✓	CR-M-8-SY - #270
Totals:						9/14			

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAES T033				Sampler Name		Andrew Halverson	
Sample Analyzed:		CR-M-30-SY PSD lot 4				Print			
Date Analyzed:		09/13/2022				Sampler Signature			
Time Analyzed:		3 PM							
Original Dry Mass [g]		N/A							
Original Slurry Mass [lb]		Net 18.2							

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.27	30.96	21.69	09:30	10:23	✓	✓	CR-M-30-SY + #25
50	297	9.70	95.34	85.64	12:03	10:26	✓	✓	CR-M-30-SY + #50
100	149	9.79	99.18	89.39	04:04	10:27	✓	✓	CR-M-30-SY + #100
140	105	9.55	36.74	27.19	07:13	10:28	✓	✓	CR-M-30-SY + #140
200	74	9.15	27.19	18.04	02:34	10:30	✓	✓	CR-M-30-SY + #200
270	53	9.51	18.30	8.79	04:52	10:31	✓	✓	CR-M-30-SY + #270
-270	-53	2.07	90.19	88.12	N/A	11:50	✓	✓	CR-M-30-SY + #270
Totals:						9/15	9/19		

MD



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAES T033					Sampler Name	Andrew Halverson			
Sample Analyzed:	CR-M-30-SY PSD 2 of 4					Print				
Date Analyzed:	09/14/2022 09/14/2022					Sampler Signature				
Time Analyzed:	7 AM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	NET 18.2									

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.48	42.90	33.42	05:24	10:23	✓	✓	CR-M-30-SY	+ #25
50	297	9.20	129.41	120.21	06:08	10:26	✓	✓	CR-M-30-SY	+ #50
100	149	9.52	123.86	114.34	05:27	10:27	✓	✓	CR-M-30-SY	+ #100
140	105	9.49	48.18	38.69	08:06	10:28	✓	✓	CR-M-30-SY	+ #140
200	74	9.57	34.52	24.95	02:44	10:30	✓	✓	CR-M-30-SY	+ #200
270	53	9.74	20.92	11.18	04:52	10:31	✓	✓	CR-M-30-SY	+ #270
-270	-53	2.12	35.18	33.06	N/A	11:50	✓	✓	CR-M-30-SY	+ #270
Totals:						9/15	9/19			

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001 RAES T033					Sampler Name	Andrew Halverson			
Sample Analyzed:	CR-M-30-SY PSD 3 of 4					Print				
Date Analyzed:	09/14/2022					Sampler Signature				
Time Analyzed:	7:30 AM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 18.2									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.60	39.82	30.22	03:43	10:23	✓	✓	CR-M-30-SY + #25	
50	297	9.19	101.41	92.22	07:00	10:26	✓	✓	CR-M-30-SY + #50	
100	149	9.23	94.76	85.53	03:22	10:27	✓	✓	CR-M-30-SY + #100	
140	105	9.31	35.77	26.46	05:57	10:28	✓	✓	CR-M-30-SY + #140	
200	74	9.66	27.58	17.92	02:27	10:30	✓	✓	CR-M-30-SY + #200	
270	53	9.24	16.67	7.43	04:41	10:31	✓	✓	CR-M-30-SY + #270	
-270	-53	2.14	20.66	18.52	N/A	11:00 9/19	✓	✓	CR-M-30-SY + #270	
Totals:						9/15				

mo



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001-RAES T033					Sampler Name	Andrew Halverson			
Sample Analyzed:	CR-M-30-SF PSD 4 of 4					Print				
Date Analyzed:	09/14/2022					Sampler Signature				
Time Analyzed:	8:30 AM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 18.2									

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	4.53	24.64	15.11	03:06	10:23	✓	✓	CR-M-30-SF
50	297	4.73	83.19	73.46	06:03	10:26	✓	✓	CR-M-30-SF
100	149	4.74	93.74	84.00	04:24	10:27	✓	✓	CR-M-30-SF
140	105	10.06	38.06	28.00	07:15	10:28	✓	✓	CR-M-30-SF
200	74	4.82	28.39	18.56	02:54	10:30	✓	✓	CR-M-30-SF
270	53	4.35	17.61	8.26	05:43	10:31	✓	✓	CR-M-30-SF
-270	-53	2.06	34.27	31.54	N/A	11:50 9/14	✓	✓	CR-M-30-SF
Totals:			33.60			9/15			

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC


Project:	22013-001: RAES T033					Sampler Name	Andrew Halverson			
Sample Analyzed:	CR-H-0-SL-01					Print				
Date Analyzed:	09/19/2022					Sampler Signature	<i>Andrew Halverson</i>			
Time Analyzed:	5 PM									
Original Dry Mass [g]	434.58									
Original Slurry Mass [lb]	N/A									

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample R/F	
25	707	9.72	93.32	83.60	See Note	2:50	✓	✓	CR-H-0-SL-01 + #25
50	297	9.19	148.38	139.19	See Note	2:54	✓	✓	CR-H-0-SL-01 + #50
100	149	9.46	101.71	92.25	03:47	2:55	✓	✓	CR-H-0-SL-01 + #100
140	105	9.31	30.44	21.13	06:27	2:56	✓	✓	CR-H-0-SL-01 + #140
200	74	9.65	24.52	14.87	03:01	2:57	✓	✓	CR-H-0-SL-01 + #200
270	53	9.37	18.56	9.19	04:28	2:57	✓	✓	CR-H-0-SL-01 + #270
-270	-53	2.19	74.16	71.97	N/A	3:04	✓	✓	CR-H-0-SL-01 - #270
Totals:						09/20			

Note: Breaker tripped. No accurate time recorded^{MO} for +25 & +50 mesh.



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001 : RAES T033					Sampler Name	Andrew Halverson		
Sample Analyzed:	CR-H-4-SY 15A 2015					Print			
Date Analyzed:	09/15/2022								
Time Analyzed:	1:50 PM								
Original Dry Mass [g]	N/A								
Original Slurry Mass [lb]	Net 19.8								
Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.65	87.46	77.81	02:59	2:53	✓	✓	CR-H-4-SY + #25
50	297	9.60	146.66	137.06	06:41	2:54	✓	✓	CR-H-4-SY + #50
100	149	9.48	97.07	87.59	04:12	2:55	✓	✓	CR-H-4-SY + #100
140	105	9.42	25.84	16.42	06:18	2:56	✓	✓	CR-H-4-SY + #140
200	74	9.55	21.12	11.57	02:21	2:57	✓	✓	CR-H-4-SY + #200
270	53	9.88	10.05	6.17	04:42	2:59	✓	✓	CR-H-4-SY + #270
-270	-53	2.05	31.63	29.58	N/A	12:09	✓	✓	CR-H-4-SY - #270
Totals:						09/19			

M6



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: KAES T033					Sampler Name	Andrew Halverson			
Sample Analyzed:	CR-H-4-SY PSD 20F5					Print				
Date Analyzed:	09/18/2022					Sampler Signature				
Time Analyzed:	11 AM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 19.8									

Wet RO-TAP Procedure						Checklist			Sample Bag Label		
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [min:ss]	Sample Logged	Sample Bagged	Sample XRF			
25	707	9.51	105.40	55.89	03:32	2:53	✓	✓	CR-H-4-SY	+ #25	
50	297	9.48	132.84	123.06	06:34	2:54	✓	✓	CR-H-4-SY	+ #50	
100	149	9.60	70.13	60.53	03:17	2:55	✓	✓	CR-H-4-SY	+ #100	
140	105	9.38	20.78	11.40	05:03	2:56	✓	✓	CR-H-4-SY	+ #140	
200	74	9.53	17.77	8.24	02:01	2:57	✓	✓	CR-H-4-SY	+ #200	
270	53	9.75	14.62	4.87	03:25	2:59	✓	✓	CR-H-4-SY	+ #270	
-270	-53	2.17	21.61	19.44	N/A	12:09	✓	✓	CR-H-4-SY	- #270	
Totals:						09/19					

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-0012 RAEST033					Sampler Name	Andrew Halverson		
Sample Analyzed:	CR-H-4-SR PSD Set 5					Print			
Date Analyzed:	09/16/2022					Sampler Signature			
Time Analyzed:	3:40 PM								
Original Dry Mass [g]	N/A								
Original Slurry Mass [lb]	Net 19.8								
Wet ROTAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.55	96.59	87.04	04:48	2:53	✓	✓	CR-H-4-SR + #25
50	297	9.36	211.30	201.94	07:45	2:54	✓	✓	CR-H-4-SR + #50
100	149	9.65	110.38	100.73	04:14	2:55	✓	✓	CR-H-4-SR + #100
140	105	9.24	28.10	18.86	06:43	2:56	✓	✓	CR-H-4-SR + #140
200	74	9.26	21.01	11.75	02:10	2:57	✓	✓	CR-H-4-SR + #200
270	53	9.84	15.96	6.12	03:52	2:59	✓	✓	CR-H-4-SR + #270
-270	-53	2.10	28.84	26.74	N/A	12:09	✓	✓	CR-H-4-SR + #270
Totals:						09/19			

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAES T033					Sampler Name	Andrew Halverson		
Sample Analyzed:	CR-H-4-SY PSD 40FS					Print			
Date Analyzed:	09/16/2022					Sampler Signature	[Signature]		
Time Analyzed:	4:40 PM								
Original Dry Mass [g]	N/A								
Original Slurry Mass [lb]	Net 19.8								

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.61	106.59	56.98	03:40	2:53	✓	✓	CR-H-4-SY
50	297	9.92	110.33	100.41	06:57	2:54	✓	✓	CR-H-4-SY
100	149	9.54	87.17	77.83	03:50	2:55	✓	✓	CR-H-4-SY
140	105	9.42	25.08	15.66	05:50	2:56	✓	✓	CR-H-4-SY
200	74	9.50	17.78	8.28	01:42	2:57	✓	✓	CR-H-4-SY
270	53	9.30	13.51	4.21	03:36	2:59	✓	✓	CR-H-4-SY
-270	-53	2.17	15.72	13.55	N/A	12:09	✓	✓	CR-H-4-SY
Totals:						09/19			

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAES T033		Sampler Name		Andrew Halverson	
Sample Analyzed:		CR-H-4-SY PSD 50±5		Print			
Date Analyzed:		09/16/2022		Sampler Signature		<i>Andrew Halverson</i>	
Time Analyzed:		5:30 PM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		Net 14.8					

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.65	70.07	100.42	03:22	2:53	✓	✓	CR-H-4-SY + #25
50	297	9.44	135.08	125.64	02:22	2:54	✓	✓	CR-H-4-SY + #50
100	149	9.66	77.91	68.25	03:22	2:55	✓	✓	CR-H-4-SY + #100
140	105	9.42	21.82	11.90	06:20	2:56	✓	✓	CR-H-4-SY + #140
200	74	9.73	16.20	6.47	03:35	2:57	✓	✓	CR-H-4-SY + #200
270	53	9.46	12.40	2.94	04:58	2:59	✓	✓	CR-H-4-SY + #270
-270	-53	2.14	10.75	8.61	N/A	12:09	✓	✓	CR-H-4-SY - #270
Totals:						9/19			

m0



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAEST033					Sampler Name	Andrew Halverson			
Sample Analyzed:	CR-H-8-SY PSD 10 FS					Print				
Date Analyzed:	09/17/2022					Sampler Signature <i>Andrew Halverson</i>				
Time Analyzed:	4 PM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 18.3									

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.31	76.08	66.57	02:51	1:49	✓	✓	CR-H-8-SY + #25
50	297	9.24	136.05	126.81	05:34	1:47	✓	✓	CR-H-8-SY + #50
100	149	9.78	84.88	75.10	03:12	1:47	✓	✓	CR-H-8-SY + #100
140	105	9.69	25.02	15.33	05:24	1:40	✓	✓	CR-H-8-SY + #140
200	74	9.13	18.75	9.62	01:49	1:39	✓	✓	CR-H-8-SY + #200
270	53	9.50	14.80	5.30	03:15	1:38	✓	✓	CR-H-8-SY + #270
-270	-53	2.14	46.73	44.59	N/A	1:36	✓	✓	CR-H-8-SY + #270
Totals:						9/20	mo		



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: 22013-0018 RAES T033		Sampler Name: Andrew Halverson									
Sample Analyzed: CR-H-8-SY PSP 20#5		Print									
Date Analyzed: 09/17/2022		Sampler Signature: <i>[Signature]</i>									
Time Analyzed: 4:30 PM											
Original Dry Mass [g]: N/A											
Original Slurry Mass [lb]: Net 18.8											
Wet RO-TAP Procedure						Checklist			Sample Bag Label		
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF			
25	707	9.29	107.02	98.33	04:09	1:49	✓	✓	CR-H-8-SY + #25		
50	297	9.72	202.26	192.54	07:06	1:47	✓	✓	CR-H-8-SY + #50		
100	149	9.58	111.90	102.32	03:03	1:47	✓	✓	CR-H-8-SY + #100		
140	105	9.44	27.51	18.07	05:09	1:40	✓	✓	CR-H-8-SY + #140		
200	74	9.86	19.81	9.95	01:54	1:39	✓	✓	CR-H-8-SY + #200		
270	53	9.37	14.76	5.39	03:33	1:38	✓	✓	CR-H-8-SY + #270		
-270	-53	2.18	21.10	18.92	N/A	1:50	✓	✓	CR-H-8-SY - #270		
Totals:						9/20					

mo



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAREST033		Sampler Name		Andrew Halverson	
Sample Analyzed:		CR-H-8-SY PSD 30+5		Print			
Date Analyzed:		09/17/2022		Sampler Signature			
Time Analyzed:		5 PM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		Net 18.3					

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.40	88.53	79.13	03:19	1:49	✓	✓	CR-H-8-SY
50	297	9.59	142.12	132.53	06:10	1:47	✓	✓	CR-H-8-SY
100	149	9.16	81.58	72.42	03:25	1:47	✓	✓	CR-H-8-SY
140	105	9.52	23.183	14.11	05:19	1:40	✓	✓	CR-H-8-SY
200	74	9.64	18.78	9.14	02:03	1:39	✓	✓	CR-H-8-SY
270	53	9.33	14.22	4.89	03:36	1:38	✓	✓	CR-H-8-SY
-270	-53	2.12	17.33	15.21	N/A	1:50	✓	✓	CR-H-8-SY
Totals:						9/20			
						WV			



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAB5 T023					Sampler Name Print	Andrew Halverson		
Sample Analyzed:	CR-H-8-SX P50 465								
Date Analyzed:	09/17/2022					Sampler Signature			
Time Analyzed:	5:30 PM								
Original Dry Mass [g]	N/A								
Original Slurry Mass [lb]	Net 18.8								
Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.50	70.17	60.67	02:46	1:49	✓	✓	CR-H-8-SX + #25
50	297	9.27	103.56	94.09	05:36	1:47	✓	✓	CR-H-8-SX + #50
100	149	9.35	64.89	55.54	02:57	1:47	✓	✓	CR-H-8-SX + #100
140	105	9.51	20.68	11.17	04:34	1:40	✓	✓	CR-H-8-SX + #140
200	74	9.27	16.98	7.63	01:41	1:39	✓	✓	CR-H-8-SX + #200
270	53	9.30	13.36	4.06	03:04	1:38	✓	✓	CR-H-8-SX + #270
-270	-53	2.09	16.78	14.69	N/A	1:56	✓	✓	CR-H-8-SX - #270
Totals:						9/20			

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-0012 R4ES TO 33					Sampler Name	Andrew Halverson			
Sample Analyzed:	CR-H-8-25 P50 F05					Print				
Date Analyzed:	09/19/2022					Sampler Signature				
Time Analyzed:	8:30 AM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 18.8									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.38	85.14	75.76	02:52	1:49	✓	✓	CR-H-8-25 + #25	
50	297	9.43	122.56	113.13	05:35	1:47	✓	✓	CR-H-8-25 + #50	
100	149	9.92 mo	75.33	74.86	02:58	1:47	✓	✓	CR-H-8-25 + #100	
140	105	9.67	22.96	13.29	05:08	1:40	✓	✓	CR-H-8-25 + #140	
200	74	9.55 mo	22.96	7.62	02:03	1:39	✓	✓	CR-H-8-25 + #200	
270	53	9.98	14.43	4.45	03:12	1:38	✓	✓	CR-H-8-25 + #270	
-270	-53	3.15	14.16	12.01	N/A	1:56	✓	✓	CR-H-8-25 - #270	
Totals:						5:12				

100M TAKEN out before DRY - HAD TO BACK CALC
 PAN WT : 9.92g
 TOTAL WT : 380.18

100M Dry MASS total = ~~34.72~~ 74.80
 200M Dry MASS total = 17.17

100M Net MASS total = 64.88

09/20
mo



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAES TOZZ					Sampler Name	Andrew Halverson			
Sample Analyzed:	CR-H-30-SY PSP 2044					Print				
Date Analyzed:	09/19/2022									
Time Analyzed:	11:40									
Original Dry Mass [g]	N/A					Sampler Signature				
Original Slurry Mass [lb]	Net 18.8									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.46	34.53	25.07	03:07	5:05	✓	✓	CR-H-30-SY + #25	
50	297	9.75	115.41	105.66	06:33	5:06	✓	✓	CR-H-30-SY + #50	
100	149	9.54	101.11	91.57	02:31	5:07	✓	✓	CR-H-30-SY + #100	
140	105	9.38	29.42	20.05	04:45	5:08	✓	✓	CR-H-30-SY + #140	
200	74	9.42	22.74	13.32	01:48	5:10	✓	✓	CR-H-30-SY + #200	
270	53	9.12	14.55	7.43	03:18	5:11	✓	✓	CR-H-30-SY + #270	
-270	-53	2.12	88.36	86.24	N/A	3:16	9/20 ✓	✓	CR-H-30-SY - #270	
Totals:						9:27				

MD



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-0015 RAES T033		Sampler Name		Andrew Halverson	
Sample Analyzed:		CR-H-30-S4 PSD R0F4		Print			
Date Analyzed:		09/19/2022		Sampler Signature		<i>[Signature]</i>	
Time Analyzed:		2 PM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		Net 18.8					

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	4.58	44.12	34.54	02:39	4:59	✓	✓	CR-H-30-S4 + #25
50	297	4.23	150.58	141.35	05:17	5:00	✓	✓	CR-H-30-S4 + #50
100	149	4.49	113.86	104.37	03:23	5:01	✓	✓	CR-H-30-S4 + #100
140	105	4.66	32.58	23.92	05:45	5:02	✓	✓	CR-H-30-S4 + #140
200	74	4.75	22.98	13.23	02:43	5:04	✓	✓	CR-H-30-S4 + #200
270	53	4.71	17.28	7.57	04:30	5:04	✓	✓	CR-H-30-S4 + #270
-270	-53	2.15	40.35	38.20	N/A	28:16 9/20	✓	✓	CR-H-30-S4 - #270
Totals:									

m0



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAEST033	Sampler Name	Andrew Halverson
Sample Analyzed:	CR-H-30-SY PSD 30+4	Print	
Date Analyzed:	09/19/2022	Sampler Signature	
Time Analyzed:	2:30 PM		
Original Dry Mass [g]	N/A		
Original Slurry Mass [lb]	Net 18.8		

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.17	45.84	36.67	03:35	4:44	✓	✓	CR-H-30-SY + #25
50	297	9.49	120.88	111.39	02:03	4:44	✓	✓	CR-H-30-SY + #50
100	149	9.25	88.60	79.35	03:02	4:46	✓	✓	CR-H-30-SY + #100
140	105	9.40	24.69	15.29	05:08	4:47	✓	✓	CR-H-30-SY + #140
200	74	9.61	20.84	11.23	02:02	4:48	✓	✓	CR-H-30-SY + #200
270	53	9.60	16.04	6.44	04:02	4:49	✓	✓	CR-H-30-SY + #270
-270	-53	2.03	21.20	19.17	N/A	3:16 9/20	✓	✓	CR-H-30-SY - #270
Totals:									

Mo



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAESTOIS					Sampler Name	Andrew Halverson			
Sample Analyzed:	CR-H-30-SY PSD 40FY					Print				
Date Analyzed:	09/19/2022					Sampler Signature				
Time Analyzed:	3 PM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	NET 18.8									
Wet ROTAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.59	162.10	52.71	02:49	4:31	✓	✓	CR-H-30-SY + #25	
50	297	9.81	156.90	147.09	06:35	4:32	✓	✓	CR-H-30-SY + #50	
100	149	9.11	102.43	93.32	04:01	4:33	✓	✓	CR-H-30-SY + #100	
140	105	9.38	30.22	20.84	06:10	4:34	✓	✓	CR-H-30-SY + #140	
200	74	9.39	22.29	12.90	03:07	4:35	✓	✓	CR-H-30-SY + #200	
270	53	9.71	17.21	7.50	05:17	4:35	✓	✓	CR-H-30-SY + #270	
-270	-53	2.17	26.03	23.86	N/A	2:16 9/20	✓	✓	CR-H-30-SY - #270	
Totals:										

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAEST033					Sampler Name		Andrew Halverson		
Sample Analyzed:	QV-L-0-SL-01					Print				
Date Analyzed:	09/29/2022					Sampler Signature		<i>Andrew Halverson</i>		
Time Analyzed:	6:30 PM									
Original Dry Mass [g]	364.19									
Original Slurry Mass [lb]	N/A									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.39	61.69	52.30	04:37	2:24 PM	✓	✓	QV-L-0-SL-01 #25	
50	297	9.71	99.38	89.67	07:52	2:26	✓	✓	QV-L-0-SL-01 #50	
100	149	9.59	112.45	102.86	04:25	2:27	✓	✓	QV-L-0-SL-01 #100	
140	105	9.12	39.56	30.44	07:30	2:29	✓	✓	QV-L-0-SL-01 #140	
200	74	9.50	24.85	15.33	02:57	2:31	✓	✓	QV-L-0-SL-01 #200	
270	53	9.64	18.31	8.67	05:07	2:32	✓	✓	QV-L-0-SL-01 #270	
-270	-53	2.09	80.81	108.72	N/A	2:34	✓	✓	QV-L-0-SL-01 -#270	
Totals:						10/02				

AH



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: 22013-001: RAES T033		Sampler Name: Andrew Halverson	
Sample Analyzed: QV-L-4-SY PSD #0+3		Print	
Date Analyzed: 09/20/2022		Sampler Signature: <i>Andrew Halverson</i>	
Time Analyzed: 10 AM			
Original Dry Mass [g]: N/A			
Original Slurry Mass [lb]: NCF 17.0			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.92	39.65	24.73	02:53	5:31	✓	✓	QV-L-4-SY + #25
50	297	8.58	115.29	106.71	05:55	5:15	✓	✓	QV-L-4-SY + #50
100	149	9.00	122.68	113.68	04:49	5:30	✓	✓	QV-L-4-SY + #100
140	105	9.25	45.23	33.98	07:28	5:31	✓	✓	QV-L-4-SY + #140
200	74	8.50	26.03	17.53	03:01	5:33	✓	✓	QV-L-4-SY + #200
270	53	8.73	17.46	8.73	04:43	5:36	✓	✓	QV-L-4-SY + #270
-270	-53	2.14	38.48	36.34	N/A	12:56m	✓	✓	QV-L-4-SY - #270
Totals:						09/27			

Mo

10/01 AH



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: 22013-001: RABBIT		Sampler Name: Andrew Halverson							
Sample Analyzed: QV-L-4-SY PSD 2c43		Print							
Date Analyzed: 09/20/2022		Sampler Signature: <i>Andrew Halverson</i>							
Time Analyzed: 11 AM									
Original Dry Mass [g]: N/A									
Original Slurry Mass [lb]: NET 17.0									
Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.28	58.07	48.79	03:49	S:14	✓	✓	QV-L-4-SY + #25
50	297	9.77	161.98	152.21	07:35	S:15	✓	✓	QV-L-4-SY + #50
100	149	9.21	164.15	144.94	03:58	S:30	✓	✓	QV-L-4-SY + #100
140	105	9.38	49.79	40.41	07:35	S:31	✓	✓	QV-L-4-SY + #140
200	74	9.36	28.72	19.36	03:01	S:33	✓	✓	QV-L-4-SY + #200
270	53	4.67	19.31	9.64	05:12	S:36	✓	✓	QV-L-4-SY + #270
-270	-53	2.08	25.11	23.03	N/A	12:41m	✓	✓	QV-L-4-SY - #270
Totals:						9/27			

mo
↓
10/01 AM



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RABT33					Sampler Name	Andrew Halverson			
Sample Analyzed:	QV-L-4-SY PSD 30+3					Print				
Date Analyzed:	09/22/2022					Sampler Signature				
Time Analyzed:	8:50 AM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 17.6									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.74	27.78	18.04	05:36	S:14	✓	✓	QV-L-4-SY + #25	
50	297	9.51	95.05	85.54	09:11	S:15	✓	✓	QV-L-4-SY + #50	
100	149	9.17	112.45	103.28	06:51	S:30	✓	✓	QV-L-4-SY + #100	
140	105	9.65	40.69	31.04	10:07	S:31	✓	✓	QV-L-4-SY + #140	
200	74	9.76	22.41	12.71	02:51	S:33	✓	✓	QV-L-4-SY + #200	
270	53	9.59	13.85	4.26	05:23	S:36	✓	✓	QV-L-4-SY + #270	
-270	-53	2.15	59.95	57.80	N/A	12:36m	✓	✓	QV-L-4-SY - #270	
Totals:										

MO
↓
10/01 AM



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAES T033				Sampler Name		Andrew Halverson	
Sample Analyzed:		QV-L-8-SY PSD 1044				Print			
Date Analyzed:		09/28/2022				Sampler Signature		<i>Andrew Halverson</i>	
Time Analyzed:		1 PM							
Original Dry Mass [g]		N/A							
Original Slurry Mass [lb]		Net 19.8							

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.36	48.47	40.11	03:35	7:30 AM	✓	✓	QV-L-8-SY #25
50	297	9.13	115.14	106.01	06:32	7:31	✓	✓	QV-L-8-SY #50
100	149	8.78	125.48	116.70	05:36	7:33	✓	✓	QV-L-8-SY #100
140	105	8.63	41.94	33.81	07:42	7:35	✓	✓	QV-L-8-SY #140
200	74	9.16	23.03	4.77	02:21	7:36	✓	✓	QV-L-8-SY #200
270	53	8.41	16.18	7.77	04:30	7:38	✓	✓	QV-L-8-SY #270
-270	-53	2.08	74.40	72.32	N/A	9:26	✓	✓	QV-L-8-SY #270
Totals:						10/03			

10/03
MD10/01
AH



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAEST033		Sampler Name	Andrew Halverson
Sample Analyzed:	QV-L-8-SY PSD 2044		Print	
Date Analyzed:	09/28/2022		Sampler Signature	
Time Analyzed:	4:30 PM			
Original Dry Mass [g]	N/A			
Original Slurry Mass [lb]	NCF 14.8			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.94	41.81	32.87	03:19	7:42 AM	✓	✓	QV-L-8-SY + #25
50	297	8.92	108.90	99.98	06:51	7:43	✓	✓	QV-L-8-SY + #50
100	149	8.28	115.66	107.38	04:49	7:45	✓	✓	QV-L-8-SY + #100
140	105	8.62	37.78	29.16	06:38	7:46	✓	✓	QV-L-8-SY + #140
200	74	8.50	22.76	14.26	05:48 0242	7:48	✓	✓	QV-L-8-SY + #200
270	53	8.83	16.22	7.37	04:21	7:50	✓	✓	QV-L-8-SY + #270
-270	-53	2.09	30.92	28.83	N/A	1:52 PM	✓	✓	QV-L-8-SY - #270
Totals:									

10/02 10/02 AM
AM



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001 CRAES 1033					Sampler Name	Andrew Halverson		
Sample Analyzed:	QV-L-8-SY PSD 3 of 4					Print			
Date Analyzed:	09/28/2022					Sampler Signature			
Time Analyzed:	5:15 PM								
Original Dry Mass [g]	N/A								
Original Slurry Mass [lb]	Net 19.8								
Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.89	46.01	37.12	03:37	7:54 PM	✓	✓	QV-L-8-SY + #25
50	297	8.57	143.65	135.08	06:47	7:55	✓	✓	QV-L-8-SY + #50
100	149	8.79	135.65	126.86	05:16	7:57	✓	✓	QV-L-8-SY + #100
140	105	9.18	43.89	34.71	07:42	7:59	✓	✓	QV-L-8-SY + #140
200	74	8.80	25.69	16.89	02:33	8:01	✓	✓	QV-L-8-SY + #200
270	53	9.15	16.48	7.33	03:59	8:03	✓	✓	QV-L-8-SY + #270
-270	-53	2.13	20.06	17.93	N/A	7:54 PM	✓	✓	QV-L-8-SY - #270
Totals:									

10/6/2
AH10/6/2
AH



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001 : RAEST033					Sampler Name	Andrew Halverson							
Sample Analyzed:	QV-L-8-SY PSD 7 of 7					Print								
Date Analyzed:	09/28/2022					Sampler Signature								
Time Analyzed:	6:15 PM													
Original Dry Mass [g]	N/A													
Original Slurry Mass [lb]	Net 19.8													
Wet RO-TAP Procedure						Checklist			Sample Bag Label					
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF						
25	707	9.11	49.58	40.39	04:15	8:06 PM	✓	✓	QV-L-8-SY	#25				
50	297	9.83	144.81	135.98	07:23	8:07	✓	✓	QV-L-8-SY	#50				
100	149	8.86	137.66	128.80	04:19	8:09	✓	✓	QV-L-8-SY	#100				
140	105	8.78	44.36	35.58	06:49	8:11	✓	✓	QV-L-8-SY	#140				
200	74	9.08	25.90	16.82	01:59	8:16	✓	✓	QV-L-8-SY	#200				
270	53	9.11	16.74	7.63	03:31	8:18	✓	✓	QV-L-8-SY	#270				
-270	-53	2.06	24.62	22.56	N/A	1:57	✓	✓	QV-L-8-SY	#270				
Totals:														

10/02
AH10/02
AH



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAEST033		Sampler Name		Andrew Halverson	
Sample Analyzed:		QV-L-30-SY PSD 1 of 4		Print			
Date Analyzed:		09/29/2022		Sampler Signature		<i>Andrew Halverson</i>	
Time Analyzed:		P AM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		out 186					

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Te Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.00	30.09	2022.07	03:19	8:32 PM	✓	✓	QV-L-30-SY	+ #25
50	297	2.47	108.90	100.43	06:50	8:34	✓	✓	QV-L-30-SY	+ #50
100	149	8.41	113.86	105.45	03:18	8:35	✓	✓	QV-L-30-SY	+ #100
140	105	8.38	38.09	28.71	05:33	8:37	✓	✓	QV-L-30-SY	+ #140
200	74	9.34	23.25	13.91	02:27	8:39	✓	✓	QV-L-30-SY	+ #200
270	53	9.64	16.26	6.57	04:01	8:41	✓	✓	QV-L-30-SY	+ #270
-270	-53	2.16	108.72	106.56	N/A	9:00	✓	✓	QV-L-30-SY	- #270
Totals:						MD				

↓
10/02
AH



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: 22013-001: RAE5 T033		Sampler Name: Andrew Halverson	
Sample Analyzed: QV-L-30-SY PSD 2014		Print	
Date Analyzed: 09/29/2022		Sampler Signature: <i>[Signature]</i>	
Time Analyzed: 1 AM			
Original Dry Mass [g]: N/A			
Original Slurry Mass [lb]: Net 18.6			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.71	55.24	46.53	02:37	8:45 PM	✓	✓	QV-L-30-SY + #25
50	297	8.34	121.15	112.76	05:41	8:46	✓	✓	QV-L-30-SY + #50
100	149	8.79	131.14	122.35	04:12	8:48	✓	✓	QV-L-30-SY + #100
140	105	8.42	47.45	39.03	06:51	8:50	✓	✓	QV-L-30-SY + #140
200	74	8.62	27.50	18.88	02:08	8:53	✓	✓	QV-L-30-SY + #200
270	53	8.76	17.36	8.60	04:13	8:55	✓	✓	QV-L-30-SY + #270
-270	-53	2.10	28.69	26.59	N/A	2:05 PM	✓	✓	QV-L-30-SY - #270
Totals:									

10/02 AM
10/02 AM



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAEST053/22013-001					Sampler Name	Andrew Halverson				
Sample Analyzed:	QV-L-30-SY PSD 3 of 4					Print					
Date Analyzed:	01/29/2022					Sampler Signature					
Time Analyzed:	2 PM										
Original Dry Mass [g]	N/A										
Original Slurry Mass [lb]	Net 18.6										
Wet RO-TAP Procedure						Checklist			Sample Bag Label		
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF			
25	707	8.94	32.12	23.18	02:29	9 PM	✓	✓	QV-L-30-SY	+ #25	
50	297	9.58	132.06	122.48	05:05	9:01	✓	✓	QV-L-30-SY	+ #50	
100	149	8.45	144.29	135.84	03:28	9:03	✓	✓	QV-L-30-SY	+ #100	
140	105	8.58	44.78	36.20	05:59	9:06	✓	✓	QV-L-30-SY	+ #140	
200	74	7.17	26.99	17.82	02:04	9:09	✓	✓	QV-L-30-SY	+ #200	
270	53	8.42	16.87	8.45	04:04	9:10	✓	✓	QV-L-30-SY	+ #270	
-270	-53	2.14	24.67	22.53	N/A	2:08 PM	✓	✓	QV-L-30-SY	- #270	
Totals:											

10/02 10/02
AM AM



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAE6T033					Sampler Name	Andrew Halverson							
Sample Analyzed:	QV-L-30-SV 1504 of 4					Print								
Date Analyzed:	09/29/2022					Sampler Signature								
Time Analyzed:	2:30 PM													
Original Dry Mass [g]	N/A													
Original Slurry Mass [lb]	Net 18.6													
Wet RO-TAP Procedure						Checklist			Sample Bag Label					
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF						
25	707	8.84	37.32	28.48	03:01	9:14 AM	✓	✓	QV-L-30-SV	+ #125				
50	297	8.91	44.36	35.45	05:36	9:15	✓	✓	QV-L-30-SV	+ #150				
100	149	8.86	113.96	107.10	04:10	9:17	✓	✓	QV-L-30-SV	+ #100				
140	105	8.95	41.50	32.55	06:33	9:19	✓	✓	QV-L-30-SV	+ #140				
200	74	8.97	25.38	16.41	02:08	9:21	✓	✓	QV-L-30-SV	+ #200				
270	53	9.21	16.74	7.53	04:06	9:22	✓	✓	QV-L-30-SV	+ #270				
-270	-53	2.06	27.63	25.57	N/A	2:11 PM	✓	✓	QV-L-30-SV	- #270				
Totals:														

10/02 AH
10/01 AH



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAE5 T033					Sampler Name	Andrew Halverson			
Sample Analyzed:	QV-M-0-SL-01					Print:				
Date Analyzed:	10/02/2022					Sampler Signature				
Time Analyzed:	12 PM									
Original Dry Mass [g]	382.11									
Original Slurry Mass [lb]	N/A									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.87	105.36	56.49	04:05	10:19	✓	✓	QV-M-0-SL-01 + #25	
50	297	8.67	123.56	114.89	07:17	10:21	✓	✓	QV-M-0-SL-01 + #50	
100	149	8.66	95.92	87.26	03:54	10:22	✓	✓	QV-M-0-SL-01 + #100	
140	105	8.86	34.62	25.76	05:59	10:24	✓	✓	QV-M-0-SL-01 + #140	
200	74	8.75	21.21	12.46	04:05	10:25	✓	✓	QV-M-0-SL-01 + #200	
270	53	8.98	17.04	8.06	06:31	10:26	✓	✓	QV-M-0-SL-01 + #270	
-270	-53	2.11	76.98	74.87	N/A	9:27	10:24	✓	✓	QV-M-0-SL-01 - #270
Totals:						10:03				

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001:RAEST033					Sampler Name		Andrew Halverson		
Sample Analyzed:	QV-M-4-SY PSD 1 of 4					Print				
Date Analyzed:	09/30/2022					Sampler Signature		<i>Andrew Halverson</i>		
Time Analyzed:	12:30 PM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 30.0									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.91	113.04	104.13	04:37	2:47 PM	✓	✓	QV-M-4-SY + #25	
50	297	8.81	163.01	154.20	07:51	2:49	✓	✓	QV-M-4-SY + #50	
100	149	8.56	120.19	111.63	03:05	2:50	✓	✓	QV-M-4-SY + #100	
140	105	8.79	32.85	24.06	04:38	2:51	✓	✓	QV-M-4-SY + #140	
200	74	8.60	20.35	11.75	01:35	2:53	✓	✓	QV-M-4-SY + #200	
270	53	8.81	15.27	6.46	07:28	2:54	✓	✓	QV-M-4-SY + #270	
-270	-53	2.18	28.41	26.23	N/A	8:27 AM	✓	✓	QV-M-4-SY - #270	
Totals:										

10/02 AM



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAES TO23					Sampler Name	Andrew Halverson				
Sample Analyzed:	QV-M-4-SY PSP 20FY					Print					
Date Analyzed:	09/30/2022					Sampler Signature	<i>Andrew Halverson</i>				
Time Analyzed:	3 PM 4 PM										
Original Dry Mass [g]	N/A										
Original Slurry Mass [lb]	Net 20.0										
Wet RO-TAP Procedure						Checklist			Sample Bag Label		
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF			
25	707	8.84	67.85	59.01	03:15	2:58 PM	✓	✓	QV-M-4-SY + #25		
50	297	9.28	152.04	142.76	05:48	2:59	✓	✓	QV-M-4-SY + #50		
100	149	8.87	124.83	115.96	03:35	3:00	✓	✓	QV-M-4-SY + #100		
140	105	8.87	36.61	27.74	05:35	3:02	✓	✓	QV-M-4-SY + #140		
200	74	8.74	22.18	13.44	01:51	3:03	✓	✓	QV-M-4-SY + #200		
270	53	8.92	16.65	7.73	03:46	3:05	✓	✓	QV-M-4-SY + #270		
-270	-53	2.12	22.78	20.66	N/A	8:23 10/3	✓	✓	QV-M-4-SY - #270		
Totals:						MO					

30/02 AH



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAES 7033					Sampler Name	Andrew Halverson				
Sample Analyzed:	QV-M-4-SY PSD totg					Print					
Date Analyzed:	09/30/2022					Sampler Signature	<i>Andrew Halverson</i>				
Time Analyzed:	7 PM										
Original Dry Mass [g]	N/A										
Original Slurry Mass [lb]	Net 20.0										
Wet RO-TAP Procedure						Checklist			Sample Bag Label		
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF			
25	707	8.47	90.24	81.77	03:39	3:08 PM	✓	✓	QV-M-4-SY + #25		
50	297	8.49	161.49	152.90	06:59	3:10	✓	✓	QV-M-4-SY + #50		
100	149	9.08	110.22	101.14	04:15	3:11	✓	✓	QV-M-4-SY + #100		
140	105	8.71	51.39	22.68	05:54	3:12	✓	✓	QV-M-4-SY + #140		
200	74	8.63	19.12	10.49	01:59	3:14	✓	✓	QV-M-4-SY + #200		
270	53	9.20	14.53	5.33	03:34	3:15	✓	✓	QV-M-4-SY + #270		
-270	-53	2.18	13.30	11.18	N/A	8:33:10	✓	✓	QV-M-4-SY - #270		
Totals:						MO					

10/02 AM



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001 RAFFS TO 33		Sampler Name		Andrew Halverson	
Sample Analyzed:		QV-M-4-SY P:0 40FY		Print			
Date Analyzed:		09/30/2022		Sampler Signature		[Signature]	
Time Analyzed:		7:30 PM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		Net 20.0					

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.63	89.20	80.52	04:19	3:19 PM	✓	✓	QV-M-4-SY	#25
50	297	8.78	157.46	148.68	07:04	3:20	✓	✓	QV-M-4-SY	#50
100	149	8.83	106.02	97.19	02:21	3:22	✓	✓	QV-M-4-SY	#100
140	105	8.82	27.71	18.89	04:43	3:24	✓	✓	QV-M-4-SY	#140
200	74	8.77	17.43	8.66	01:57	3:25	✓	✓	QV-M-4-SY	#200
270	53	8.95	12.98	4.03	03:21	3:27	✓	✓	QV-M-4-SY	#270
-270	-53	2.16	10.49	8.33	N/A	9:07 10/3	✓	✓	QV-M-4-SY	#270
Totals:						MO				

10/02
AM



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001 CRAES T033		Sampler Name:	Andrew Halverson						
Sample Analyzed:	QV-M-8-SY PSD 104		Print:							
Date Analyzed:	09/30/2022		Sampler Signature:							
Time Analyzed:	9 PM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 14.8									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.68	72.37	63.69	05:17	10:09	✓	✓	QV-M-8-SY + #25	
50	297	8.50	194.42	185.92	09:16	10:09	✓	✓	QV-M-8-SY + #50	
100	149	9.20	150.99	141.79	04:21	10:10	✓	✓	QV-M-8-SY + #100	
140	105	8.68	40.07	31.39	06:35	10:11	✓	✓	QV-M-8-SY + #140	
200	74	8.73	23.74	15.01	02:23	10:13	✓	✓	QV-M-8-SY + #200	
270	53	8.75	16.42	7.67	04:16	10:14	✓	✓	QV-M-8-SY + #270	
-270	-53	2.07	40.67	38.60	N/A	0:52	✓	✓	QV-M-8-SY - #270	
Totals:										

n10



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	32013-001 - RAEs TO33					Sampler Name	Andrew Halverson				
Sample Analyzed:	QV-M-8-SY PSD 2014					Print					
Date Analyzed:	10/01/2022					Sampler Signature					
Time Analyzed:	1:45 PM										
Original Dry Mass [g]	N/A										
Original Slurry Mass [lb]	Net 19.8										
Wet RO-TAP Procedure											
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	Sample Bag Label		
25	707	8.85	84.01	75.16	03:01	7.55	✓	✓	QV-M-8-SY + #25		
50	297	9.06	228.41	219.35	06:05	7.56	✓	✓	QV-M-8-SY + #50		
100	149	9.30	162.74	153.44	03:15	7.57	✓	✓	QV-M-8-SY + #100		
140	105	9.00	41.45	32.45	05:21	7.59	✓	✓	QV-M-8-SY + #140		
200	74	8.48	24.28	15.80	01:53	8.00	✓	✓	QV-M-8-SY + #200		
270	53	7.88	15.40	7.52	03:08	8.19	✓	✓	QV-M-8-SY + #270		
-270	-53	2.15	20.92	18.77	N/A	8.40	✓	✓	QV-M-8-SY - #270		
Totals:											

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: 22013-001: RAESTC35		Sampler Name: Andrew Halverson	
Sample Analyzed: QV-M-8-SV PSD 70F4		Print	
Date Analyzed: 10/01/2022		Sampler Signature: <i>Andrew Halverson</i>	
Time Analyzed: 4:15 PM			
Original Dry Mass [g]: N/A			
Original Slurry Mass [lb]: Net 19.8			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen (mm:ss)	Sample Logged	Sample Bagged	Sample XRF	
25	707	7.91	58.44	50.53	03:14	8:22	✓	✓	QV-M-8-SV + #25
50	297	8.32	107.40	99.08	05:16	8:23	✓	✓	QV-M-8-SV + #50
100	149	8.12	80.74	72.62	02:43	8:23	✓	✓	QV-M-8-SV + #100
140	105	8.17	24.185	15.98	04:25	8:27	✓	✓	QV-M-8-SV + #140
200	74	8.87	17.20	8.33	01:37	8:28	✓	✓	QV-M-8-SV + #200
270	53	8.77	13.03	4.26	03:08	8:28	✓	✓	QV-M-8-SV + #270
-270	-53	2.10	10.71	8.61	N/A	8:42	✓	✓	QV-M-8-SV - #270
Totals:									

M0



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAEST033					Sampler Name	Andrew Halverson				
Sample Analyzed:	QV-M-8-SY PSD 4.04					Print					
Date Analyzed:	10/01/2022										
Time Analyzed:	4:45 PM					Sampler Signature	<i>Andrew Halverson</i>				
Original Dry Mass [g]	N/A										
Original Slurry Mass [lb]	Net 19.8										

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.99	79.32	70.33	04:22	8:32	✓	✓	QV-M-8-SU	+ #25
50	297	8.97	123.92	124.95	06:57	8:33	✓	✓	QV-M-8-SU	+ #50
100	149	8.65	103.28	94.63	02:57	8:34	✓	✓	QV-M-8-SU	+ #100
140	105	8.51	29.60	21.09	05:18	8:34	✓	✓	QV-M-8-SU	+ #140
200	74	8.54	18.79	10.25	02:18	8:35	✓	✓	QV-M-8-SU	+ #200
270	53	9.12	14.52	5.40	04:14	8:37	✓	✓	QV-M-8-SU	+ #270
-270	-53	2.11	14.73	12.62	N/A	8:45	✓	✓	QV-M-8-SU	- #270
Totals:										

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAEST033					Sampler Name	Andrew Halverson			
Sample Analyzed:	QV-M-30-ST PSD 1 of 4					Print				
Date Analyzed:	10/01/2022					Sampler Signature	<i>Andrew Halverson</i>			
Time Analyzed:	6:30 PM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 19.8									
Wet ROTAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.62	26.18	17.56	02:46	9:46	✓	✓	QV-M-30-ST	#125
50	297	8.68	87.57	78.89	05:34	9:46	✓	✓	QV-M-30-ST	#150
100	149	8.70	88.60	79.90	03:57	9:47	✓	✓	QV-M-30-ST	#100
140	105	8.86	31.70	22.84	06:14	9:48	✓	✓	QV-M-30-ST	#140
200	74	8.84	21.46	12.62	02:04	9:49	✓	✓	QV-M-30-ST	#200
270	53	8.78	16.19	7.41	03:47	9:49	✓	✓	QV-M-30-ST	#250
-270	-53	2.12	26.18	60.09	N/A	9:53	✓	✓	QV-M-30-ST	#270
Totals:						62.21	9:23			
						10/04				
						MO				



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001 ; RAES 7033		Sampler Name		Andrew Halverson	
Sample Analyzed:		QV-M-30-SY PSD 20FY		Print			
Date Analyzed:		10/02/2022		Sampler Signature			
Time Analyzed:		8:30 AM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		Net 19.8					

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.14	42.08	53.94	03:31	9:36	✓	✓	QV-M-30-SY T #25
50	297	8.08	149.19	141.11	06:18	9:36	✓	✓	QV-M-30-SY T #50
100	149	8.98	117.79	108.81	03:15	9:37	✓	✓	QV-M-30-SY T #100
140	105	9.14	35.53	26.39	05:35	9:37	✓	✓	QV-M-30-SY T #140
200	74	9.15	23.06	13.91	02:10	9:38	✓	✓	QV-M-30-SY T #200
270	53	9.11	17.11	8.00	03:58	9:39	✓	✓	QV-M-30-SY T #270
-270	-53	2.08	42.21	24.03	N/A	9:02	✓	✓	QV-M-30-SY T #270
Totals:			26.11			10/04			

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001 - RAE5 Toss					Sampler Name	Andrew Halverson				
Sample Analyzed:	QV-M-30-SY PSD 304Y					Print					
Date Analyzed:	10/02/2022					Sampler Signature					
Time Analyzed:	9:30 AM										
Original Dry Mass [g]	N/A										
Original Slurry Mass [lb]	Net 19.8										
Wet RO-TAP Procedure						Checklist			Sample Bag Label		
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF			
25	707	8.87	53.80	44.93	03:17	9:59	✓	✓	QV-M-30-SY T #25		
50	297	9.44	145.56	136.12	05:33	10:00	✓	✓	QV-M-30-SY T #50		
100	149	9.58	111.04	101.46	03:29	10:01	✓	✓	QV-M-30-SY T #100		
140	105	9.17	25.25	20.08	05:20	10:02	✓	✓	QV-M-30-SY T #140		
200	74	9.60	23.40	13.80	01:48	10:03	✓	✓	QV-M-30-SY T #200		
270	53	9.81	16.07	6.26	03:14	10:04	✓	✓	QV-M-30-SY T #270		
-270	-53	2.16	22.81	20.65	N/A	8:56	✓	✓	QV-M-30-SY T #290		
Totals:						10:04					

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAES T033				Sampler Name		Andrew Halverson	
Sample Analyzed:		QV-M-30-SY PSD 4 of 4				Print			
Date Analyzed:		10/02/2022				Sampler Signature			
Time Analyzed:		10 AM							
Original Dry Mass [g]		N/A							
Original Slurry Mass [lb]		Net 19.8							

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.72	59.98	51.26	04:14	9:51	✓	✓	QV-M-30-SY	T#25
50	297	8.63	175.44	166.81	07:47	9:52	✓	✓	QV-M-30-SY	T#50
100	149	8.91	175.59	166.68	03:03	9:53	✓	✓	QV-M-30-SY	T#100
140	106	8.58	38.70	30.12	05:20	9:54	✓	✓	QV-M-30-SY	T#140
200	74	8.66	23.03	14.37	01:51	9:56	✓	✓	QV-M-30-SY	T#200
270	53	8.73	15.68	6.95	03:16	9:57	✓	✓	QV-M-30-SY	T#270
-270	-53	2.19	21.92	19.73	N/A	8:59	✓	✓	QV-M-30-SY	T#270
Totals:						10:04				

mg



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAEST033		Sampler Name		Andrew Halverson	
Sample Analyzed:		QV-H-0-SL-01		Print			
Date Analyzed:		10/04/2022		Sampler Signature		<i>Andrew Halverson</i>	
Time Analyzed:		1:2 PM					
Original Dry Mass [g]		384.51					
Original Slurry Mass [lb]		N/A					

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.21	106.74	57.53	05:03	3:29	✓	✓	QV-H-0-SL-01
50	297	9.05	118.58	109.53	07:44	3:41	✓	✓	QV-H-0-SL-01
100	149	9.11	103.30	98.59	03:14	3:42	✓	✓	QV-H-0-SL-01
140	105	9.16	33.70	24.54	04:55	3:43	✓	✓	QV-H-0-SL-01
200	74	9.33	21.36	12.01	04:28	3:45	✓	✓	QV-H-0-SL-01
270	53	8.92	16.23	7.35	07:12	3:46	✓	✓	QV-H-0-SL-01
270	53	2.12	74.79	72.31	N/A	8:21	✓	✓	QV-H-0-SL-01
Totals:						(10/05)			

MD 10/06



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAB5 T033		Sampler Name		Andrew Halverson	
Sample Analyzed:		QV-H-4-SY PSD Lot 6		Print			
Date Analyzed:		10/02/2022		Sampler Signature		<i>Andrew Halverson</i>	
Time Analyzed:		5 PM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		Net 21.2					

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.19	71.57	62.38	02:51	8:51	✓	✓	QV-H-4-SY	+ #25
50	297	9.17	172.11	162.94	05:57	8:52	✓	✓	QV-H-4-SY	+ #50
100	149	9.47	117.61	108.14	03:15	8:53	✓	✓	QV-H-4-SY	+ #100
140	105	9.08	31.75	22.67	04:49	8:54	✓	✓	QV-H-4-SY	+ #140
200	74	9.39	19.94	10.55	01:56	8:55	✓	✓	QV-H-4-SY	+ #200
270	53	9.05	14.18	5.13	03:16	8:56	✓	✓	QV-H-4-SY	+ #270
-270	-53	2.10	23.98	31.88	N/A	9:38	✓	✓	QV-H-4-SY	- #270
Totals:						10/04				

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RABST03					Sampler Name	Andrew Halverson			
Sample Analyzed:	QV-H-4-SY PSD 20FB					Print				
Date Analyzed:	10/02/2022 5:30 PM									
Time Analyzed:	5:30 PM									
Original Dry Mass [g]	N/A					Sampler Signature				
Original Slurry Mass [lb]	NET 21.2									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.01	50.95	41.94	02:51	7:46	✓	✓	QV-H-4-SY + #25	
50	297	9.00	115.40	106.40	05:38	7:47	✓	✓	QV-H-4-SY + #50	
100	149	8.98	81.65	72.67	02:38	7:49	✓	✓	QV-H-4-SY + #100	
140	105	9.32	24.97	15.65	04:02	7:50	✓	✓	QV-H-4-SY + #140	
200	74	9.59	17.13	7.54	01:36	7:51	✓	✓	QV-H-4-SY + #200	
270	53	9.04	12.64	3.60	02:50	7:52	✓	✓	QV-H-4-SY + #270	
-270	-53	2.17	9.31	7.14	N/A	9:29	✓	✓	QV-H-4-SY - #270	
Totals:						10/H				

MD



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAEST033/ 22013-048					Sampler Name	Andrew Halverson				
Sample Analyzed:	QV-H-4-SY PSD 3 of 6					Print					
Date Analyzed:	10/03/2022					Sampler Signature					
Time Analyzed:	9:15 AM										
Original Dry Mass [g]	N/A										
Original Slurry Mass [lb]	NCF 21.2										

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.497.88	117.26	109.38	02:46	9:06	✓	✓	QV-H-4-SY + #25
50	297	8.24	225.29	217.05	06:24	9:07	✓	✓	QV-H-4-SY + #50
100	149	8.41	146.17	137.76	05:43	9:08	✓	✓	QV-H-4-SY + #100
140	105	8.17	35.66	27.49	04:35	9:10	✓	✓	QV-H-4-SY + #140
200	74	8.87	22.14	13.27	01:47	9:11	✓	✓	QV-H-4-SY + #200
270	53	4.51	15.71	6.20	03:18	9:12	✓	✓	QV-H-4-SY + #270
-270	-53	2.16	18.62	16.46	N/A	9:42	✓	✓	QV-H-4-SY - #270
Totals:						10:04			

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RATES ROSS					Sampler Name	Andrew Halverson				
Sample Analyzed:	QV-H-4-SY PSD 4 of 6					Print					
Date Analyzed:	10/03/2022					Sampler Signature					
Time Analyzed:	9:40 AM										
Original Dry Mass [g]	N/A										
Original Slurry Mass [lb]	Net 27.2										
Wet RO-TAP Procedure						Checklist			Sample Bag Label		
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF			
25	707	8.56	59.22	50.66	02:58	8:59	✓	✓	QV-H-4-SY	+ #25	
50	297	8.51	139.76	131.25	05:44	9:00	✓	✓	QV-H-4-SY	+ #50	
100	149	9.11	101.03	91.92	02:25	9:01	✓	✓	QV-H-4-SY	+ #100	
140	105	8.38	26.51	18.13	03:57	9:02	✓	✓	QV-H-4-SY	+ #140	
200	74	8.23	16.89	8.66	01:30	9:03	✓	✓	QV-H-4-SY	+ #200	
270	53	8.49	12.28	3.79	03:02	9:04	✓	✓	QV-H-4-SY	+ #270	
-270	-53	2.10	10.88	8.78	N/A	9:46	✓	✓	QV-H-4-SY	- #270	
Totals:						10/04					

MD



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001 : RAGS FOR					Sampler Name	Andrew Halverson			
Sample Analyzed:	QV-H-4-SY PSD Soft 6					Print				
Date Analyzed:	10/03/2022					Sampler Signature	[Signature]			
Time Analyzed:	10:30 AM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	NET 21.2									
Wet RO-TAP Procedure										
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	Sample Bag Label	
25	707	8.60	72.57	63.97	02:48	8:42	✓	✓	QV-H-4-SY + #25	
50	297	8.88	124.87	115.99	05:22	8:44	✓	✓	QV-H-4-SY + #50	
100	149	9.06	86.05	76.99	02:37	8:45	✓	✓	QV-H-4-SY + #100	
140	105	8.64	25.01	16.37	04:27	8:46	✓	✓	QV-H-4-SY + #140	
200	74	8.96	16.81	7.85	01:31	8:47	✓	✓	QV-H-4-SY + #200	
270	53	9.16	12.80	3.64	03:12	8:48	✓	✓	QV-H-4-SY + #270	
-270	-53	2.16	2.08	11.04	8.96	9:49	✓	✓	QV-H-4-SY + #270	
Totals:						10/04	MO			



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAEST033				Sampler Name		Andrew Halverson	
Sample Analyzed:		QV-H-4-SY PSD 60#6				Print			
Date Analyzed:		10/03/2022				Sampler Signature			
Time Analyzed:		12:30 PM							
Original Dry Mass [g]		N/A							
Original Slurry Mass [lb]		Net 21.2							
Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.09	86.41	63.97	03:03	9:14	✓	✓	QV-H-4-SY + #25
50	297	17.99	172.43	115.99	05:53	9:14	✓	✓	QV-H-4-SY + #50
100	149	8.80	112.75	76.99	02:27	9:15	✓	✓	QV-H-4-SY + #100
140	105	8.49	29.75	16.37	04:31	9:17	✓	✓	QV-H-4-SY + #140
200	74	9.04	19.17	7.85	01:48	9:17	✓	✓	QV-H-4-SY + #200
270	53	8.65	12.91	3.64	02:58	9:19	✓	✓	QV-H-4-SY + #270
-270	-53	2.12	13.12	8.96	N/A	9:56	✓	✓	QV-H-4-SY - #270
Totals:						10/04			

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001 IRAES T673					Sampler Name		Andrew Halverson	
Sample Analyzed:	QV-H-8-SY PSD 10F6					Print			
Date Analyzed:	10/03/2022					Sampler Signature		[Signature]	
Time Analyzed:	2:40 PM								
Original Dry Mass [g]	N/A								
Original Slurry Mass [lb]	Net 20.2								
Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	Sample Bag Label
25	707	9.45	58.85	49.40	03:13	10:35	✓	✓	QV-H-8-SY + #25
50	297	9.69	153.48	143.79	05:43	10:36	✓	✓	QV-H-8-SY + #50
100	149	9.35	120.37	111.02	02:22	10:37	✓	✓	QV-H-8-SY + #100
140	105	9.97	33.57	23.60	03:57	10:38	✓	✓	QV-H-8-SY + #140
200	74	9.67	19.25	9.58	01:40	10:39	✓	✓	QV-H-8-SY + #200
270	53	9.54	14.30	4.76	02:50	10:40	✓	✓	QV-H-8-SY + #270
-270	-53	2.09	44.18	42.09	N/A	3:11	✓	✓	QV-H-8-SY - #270
Totals:						10/04			

Mo 10/05



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAES T033					Sampler Name	Andrew Halverson			
Sample Analyzed:	QV-H-8-SY PSD 2046					Print				
Date Analyzed:	10/03/2022					Sampler Signature				
Time Analyzed:	3:10 PM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	N/F 20.2									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.24	109.44	100.20	03:09	11:20	✓	✓	QV-H-8-SY	+ #25
50	297	9.14	149.19	140.05	06:14	11:21	✓	✓	QV-H-8-SY	+ #50
100	149	9.14	99.35	90.21	02:49	11:22	✓	✓	QV-H-8-SY	+ #100
140	105	9.23	27.53	18.30	04:44	11:24	✓	✓	QV-H-8-SY	+ #140
200	74	9.43	18.05	8.57	01:42	11:25	✓	✓	QV-H-8-SY	+ #200
270	53	9.27	13.18	3.91	02:57	11:26	✓	✓	QV-H-8-SY	+ #270
-270	-53	2.14	12.07	9.93	N/A	10:22	✓	✓	QV-H-8-SY	- #270
Totals:						10/04				

mo



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: A AESTOZS					Sampler Name		Andrew Halverson		
Sample Analyzed:	QV-H-8-SY PSD 36TB					Print				
Date Analyzed:	10/03/2022									
Time Analyzed:	3:40 PM									
Original Dry Mass [g]	N/A					Sampler Signature				
Original Slurry Mass [lb]	Net 20.2									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	4.61	99.85	90.24	03:49	11:04	✓	✓	QV-H-8-SU	+ #25
50	297	4.37	204.45	195.08	07:02	11:14	✓	✓	QV-H-8-SU	+ #50
100	149	3.62	128.43	119.81	02:59	11:15	✓	✓	QV-H-8-SU	+ #100
140	105	3.84	34.02	25.13	04:55	11:17	✓	✓	QV-H-8-SU	+ #140
200	74	4.19	21.27	12.08	02:06	11:17	✓	✓	QV-H-8-SU	+ #200
270	53	4.25	15.08	5.83	03:28	11:18	✓	✓	QV-H-8-SU	+ #270
-270	-53	2.10	14.01	11.91	N/A	10:25	✓	✓	QV-H-8-SU	- #270
Totals:						10:04				

MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAES T633					Sampler Name		Andrew Halverson		
Sample Analyzed:	QV-H-8-SY PSD 40+6					Print				
Date Analyzed:	10/03/2022					Sampler Signature				
Time Analyzed:	4:30 PM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	Net 20.2									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen (mm:ss)	Sample Logged	Sample Bagged	Sample XRF		
25	707	4.09	107.20	58.11	03:16	10:50	✓	✓	QV-H-8-SY	+ #25
50	297	4.05	139.77	130.72	05:43	10:51	✓	✓	QV-H-8-SY	+ #50
100	149	8.95	100.99	92.04	02:43	10:51	✓	✓	QV-H-8-SY	+ #100
140	105	4.07	27.47	18.40	04:32	10:52	✓	✓	QV-H-8-SY	+ #140
200	74	8.98	17.80	8.82	01:48	10:54	✓	✓	QV-H-8-SY	+ #200
270	53	4.37	14.62	5.25	03:17	10:55	✓	✓	QV-H-8-SY	+ #270
-270	-53	2.16	14.74	12.58	N/A	10:28	✓	✓	QV-H-8-SY	+ #270
Totals:						10/04				
						MD				



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: NAFCT033					Sampler Name	Andrew Halverson				
Sample Analyzed:	QV-H-8-SY PSD 5 of 6					Print					
Date Analyzed:	10/03/2022					Sampler Signature					
Time Analyzed:	5 PM										
Original Dry Mass [g]	N/A										
Original Slurry Mass [lb]	N/A 20.2										
Wet RO-TAP Procedure											
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass	Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	Sample Bag Label	
25	707	4.02		42.98	33.96	03:16	10:57	✓	✓	QV-H-8-SY + #25	
50	297	4.31		104.81	95.55	05:36	10:58	✓	✓	QV-H-8-SY + #50	
100	149	4.05		75.55	66.86	02:54	10:59	✓	✓	QV-H-8-SY + #100	
140	105	4.36		25.88	16.52	04:27	11:00	✓	✓	QV-H-8-SY + #140	
200	74	4.33		17.42	8.10	01:52	11:01	✓	✓	QV-H-8-SY + #200	
270	53	4.09		12.61	3.52	02:57	11:02	✓	✓	QV-H-8-SY + #270	
-270	53	2.08		9.66	7.58	N/A	10:30	✓	✓	QV-H-8-SY - #270	
Totals:							10/04				

MD



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAES T033					Sampler Name		Andrew Halverson		
Sample Analyzed:	QV-H-8-SY PSD 6 of 6					Print				
Date Analyzed:	10/03/2022					Sampler Signature				
Time Analyzed:	7:45 PM									
Original Dry Mass [g]	N/A									
Original Slurry Mass [lb]	N/A 20.7									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.23	57.05	47.82	03:26	10:42	✓	✓	QV-H-8-SY	+ #25
50	297	8.81	170.85	162.04	06:18	10:43	✓	✓	QV-H-8-SY	+ #50
100	149	9.22	135.24	126.02	03:09	10:44	✓	✓	QV-H-8-SY	+ #100
140	105	9.00	35.21	26.21	05:06	10:46	✓	✓	QV-H-8-SY	+ #140
200	74	9.06	32.13	13.07	01:44	10:47	✓	✓	QV-H-8-SY	+ #200
270	53	9.35	14.91	5.56	02:52	10:48	✓	✓	QV-H-8-SY	+ #270
-270	-53	2.12	14.06	11.94	N/A	2:53	✓	✓	QV-H-8-SY	- #270
Totals:						10/04				

MO 10/05



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-001: RAES T033		Sampler Name:		Andrew Halverson	
Sample Analyzed:		QV-H-30-SY PSD 1 of 5		Print			
Date Analyzed:		10/03/2022		Sampler Signature:		<i>Andrew Halverson</i>	
Time Analyzed:		9:20 PM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		Net 19.8					

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.83	48.106	39.83	03:38	11:31	✓	✓	QV-H-30-SY + #25
50	297	8.59	142.45	133.56	06:45	11:31	✓	✓	QV-H-30-SY + #50
100	149	8.84	121.06	112.82	03:53	11:55	✓	✓	QV-H-30-SY + #100
140	105	9.49	29.49	30.00	06:04	11:56	✓	✓	QV-H-30-SY + #140
200	74	8.83	23.05	14.82	01:59	11:57	✓	✓	QV-H-30-SY + #200
270	53	8.98	16.02	7.04	03:44	11:58	✓	✓	QV-H-30-SY + #270
-270	-53	2.12	11.56	75.25	N/A	3:34	✓	✓	QV-H-30-SY - #270
Totals:			75.35	73.23		10:04			

m0
m0
m0




Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: 22013-001-RAES T033		Sampler Name: Andrew Halverson								
Sample Analyzed: QV-H-30-SY PSD 2045		Print								
Date Analyzed: 10/05/2022		Sampler Signature: <i>[Signature]</i>								
Time Analyzed: 10 PM										
Original Dry Mass [g]: N/A										
Original Slurry Mass [lb]: Net 19.8										
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	4.08	57.30	49.22	03:45	12:01	✓	✓	QV-H-30-SY + #25	
50	297	4.22	152.91	143.69	06:22	12:02	✓	✓	QV-H-30-SY + #50	
100	149	8.61	126.64	118.03	03:08	12:03	✓	✓	QV-H-30-SY + #100	
140	105	4.01	41.27	32.26	05:09	12:04	✓	✓	QV-H-30-SY + #140	
200	74	8.86	216.50	17.64	01:51	12:05	✓	✓	QV-H-30-SY + #200	
270	53	8.60	17.75	9.15	03:22	12:06	✓	✓	QV-H-30-SY + #270	
-270	-53	2.08	27.51	25.43	N/A	2:50	✓	✓	QV-H-30-SY - #270	
Totals:						16/04				

MD 10/05



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	22013-001: RAFT 5033					Sampler Name		Andrew Halverson		
Sample Analyzed:	QV-H-30-SY PSD 30FS					Print				
Date Analyzed:	10/03/2022									
Time Analyzed:	10:40 PM									
Original Dry Mass [g]	N/A					Sampler Signature				
Original Slurry Mass [lb]	Net 19.8									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen (mm:ss)	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.96	108.54	99.58	02:50	12:08	✓	✓	QV-H-30-SY + #25	
50	297	9.03	156.32	147.29	05:56	12:09	✓	✓	QV-H-30-SY + #50	
100	149	9.28	116.30	107.02	02:42	12:10	✓	✓	QV-H-30-SY + #100	
140	105	9.27	34.40	25.13	04:05	12:11	✓	✓	QV-H-30-SY + #140	
200	74	9.05	20.35	11.30	01:35	12:12	✓	✓	QV-H-30-SY + #200	
270	53	9.14	13.84	4.70	02:44	12:13	✓	✓	QV-H-30-SY + #270	
-270	-53	2.15	18.27	16.11	N/A	12:59	✓	✓	QV-H-30-SY + #270	
Totals:						10/04				

MD 10/05



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: 22013-001: RAES T033		Sampler Name: Andrew Halverson	
Sample Analyzed: QV-H-30-SX PSD 90+5		Print:	
Date Analyzed: 10/04/2022		Sampler Signature:	
Time Analyzed: 9:40 AM			
Original Dry Mass [g]: N/A			
Original Slurry Mass [lb]: Net 19.8			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.92	57.43	48.51	03:22	3:21	✓	✓	QV-H-30-SX + #25
50	297	9.10	119.70	110.60	05:48	3:23	✓	✓	QV-H-30-SX + #50
100	149	9.38	98.50	89.12	02:52	3:23	✓	✓	QV-H-30-SX + #100
140	105	8.87	28.75	19.88	04:34	3:24	✓	✓	QV-H-30-SX + #140
200	74	9.20	19.09	9.89	01:48	3:25	✓	✓	QV-H-30-SX + #200
270	53	9.17	14.19	5.02	02:56	3:26	✓	✓	QV-H-30-SX + #270
-270	-53	2.15	16.40	14.25	N/A	3:02	✓	✓	QV-H-30-SX - #270
Totals:						10:05			

mf



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		22013-0013 RAEs T033				Sampler Name		Andrew Halverson	
Sample Analyzed:		QV-H-30-SJ PSD 5 of 5				Print			
Date Analyzed:		10/04/2022				Sampler Signature			
Time Analyzed:		10:15 AM							
Original Dry Mass [g]		N/A							
Original Slurry Mass [lb]		Net 19.8							
Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.96	59.94	50.98	02:54	3:28	✓	✓	QV-H-30-SJ + #25
50	297	9.08	135.88	126.80	05:53	3:29	✓	✓	QV-H-30-SJ + #50
100	149	8.84	108.78	99.94	02:56	3:30	✓	✓	QV-H-30-SJ + #100
140	105	9.04	32.62	23.58	04:43	3:31	✓	✓	QV-H-30-SJ + #140
200	74	9.33	20.92	11.59	02:04	3:32	✓	✓	QV-H-30-SJ + #200
270	53	9.59	14.63	5.04	03:28	3:33	✓	✓	QV-H-30-SJ + #270
-270	-53	2.10	18.04	15.94	N/A	3:34	✓	✓	QV-H-30-SJ - #270
Totals:						10/0.5			

mo



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES Mo	Sampler Name	Jordan Dick		
Sample Analyzed:	CTS-L-0-SL-01 of 1	Print			
Date Analyzed:	10/4/22	Sampler Signature	[Signature]		
Time Analyzed:	3:31 PM				
Original Dry Mass [g]	315.40g				
Original Slurry Mass [lb]	NA				

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.15	16.08	6.88	4:05	10:16	✓	✓	CTS-L-0-SL-01 + #25
50	297	9.15	20.38	11.73	7:32	10:17	✓	✓	CTS-L-0-SL-01 + #50
100	149	9.15	41.34	32.09	5:36	10:18	✓	✓	CTS-L-0-SL-01 + #100
140	105	9.15	44.72	35.57	8:21	10:19	✓	✓	CTS-L-0-SL-01 + #140
200	74	9.15	52.45	43.80	4:42	10:20	✓	✓	CTS-L-0-SL-01 + #200
270	53	9.15	48.78	36.63	7:27	10:21	✓	✓	CTS-L-0-SL-01 + #270
-270	-53	3.11	148.69	143.58		10:35	✓	✓	CTS-L-0-SL-01 - #270
Totals:									

* Breaker tripped on 50 mesh screen

* No tare on cup.

Took Average of

12 cups as base.



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES					Sampler Name	Jordan Dick				
Sample Analyzed:	CTS-L-4-SY 1 of 5					Print					
Date Analyzed:	10/5/22					Sampler Signature	[Signature]				
Time Analyzed:	10:32 AM										
Original Dry Mass [g]	NA										
Original Slurry Mass [lb]	18.2 lbs										

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.55	8.83	0.28	5:22	3:50	✓	✓	CTS-L-4-SY + #25	
50	297	9.63	9.72	0.09	7:46	3:50	✓	✓	CTS-L-4-SY + #50	
100	149	9.4	12.00	2.60	4:23	3:51	✓	✓	CTS-L-4-SY + #100	
140	105	9.03	13.40	4.43	6:57	3:51	✓	✓	CTS-L-4-SY + #140	
200	74	9.53	20.97	11.44	5:03	3:52	✓	✓	CTS-L-4-SY + #200	
270	53	9.07	23.91	14.84	1:52	3:52	✓	✓	CTS-L-4-SY + #270	
-270	-53	2.13	83.65	383.06	NA	3 PM	✓	✓	CTS-L-4-SY - #270	
Totals:										

Split into A+B
pressure filters,
This one was B
10/13

10/11
AM

-270 A

Tare:
2.13 g

Gross:
303.67 g

10/13 9:12 AM
Bagged ✓

10/21

re-screened

	Tare wt	Dry mass total	Net mass total
+200M	8.84	176.12	167.28
+270M	2.13	146.89	144.76



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES					Sampler Name	Jordan Dick				
Sample Analyzed:	CTS-L-4-SV 2 & 5					Print					
Date Analyzed:	10/5/22					Sampler Signature	Jm Dick				
Time Analyzed:	11:22AM										
Original Dry Mass [g]	NA										
Original Slurry Mass [lb]	18.2 lbs										
Wet RO-TAP Procedure						Checklist			Sample Bag Label		
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF			
25	707	7.9	10.04	0.14	4:23	9:16	✓	✓	CTS-L-4-SV + #25		
50	297	8.95	18.08	6.13	6:47	9:17	✓	✓	CTS-L-4-SV + #50		
100	149	8.11	42.15	33.04	5:37	9:18	✓	✓	CTS-L-4-SV + #100		
140	105	9.1	49.27	40.19	6:52	9:19	✓	✓	CTS-L-4-SV + #140		
200	74	8.98	71.50	72.32	5:37	9:21	✓	✓	CTS-L-4-SV + #200		
270	53	8.56	58.46	49.20	7:38	9:24	✓	✓	CTS-L-4-SV + #270		
-270	-53	2.17	134.21	132.04		8:50	✓	✓	CTS-L-4-SV - #270		
Totals:						10:07MO			ZF		



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES	Sampler Name	Jordan Dick
Sample Analyzed:	CTS-L-4-SV 3 of 5	Print	
Date Analyzed:	10/5/22	Sampler Signature	Jm Dick
Time Analyzed:	1:00 PM		
Original Dry Mass [g]	NA		
Original Slurry Mass [lb]	18.2 lbs		

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.68	17.15	8.47	5:06	8:30	✓	✓	CTS-L-4-SV + #25
50	297	9.05	28.28	29.25	6:27	8:30	✓	✓	CTS-L-4-SV + #50
100	149	8.67	62.60	53.93	5:43	8:31	✓	✓	CTS-L-4-SV + #100
140	105	9.14	48.32	39.18	7:51	8:32	✓	✓	CTS-L-4-SV + #140
200	74	9.11	63.40	53.29	5:13	8:33	✓	✓	CTS-L-4-SV + #200
270	53	8.70	42.82	34.12	6:48	8:34	✓	✓	CTS-L-4-SV + #270
-270	-53	2.18	52.01	49.88	NA	9:07	✓	✓	CTS-L-4-SV - #270
Totals:						10:07	✓	✓	

CHECK IN AM 200 62.27
270 42.72



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	PAES	Sampler Name	Jordan Dick
Sample Analyzed:	CTS-L-4-SU 4 of 5	Print	
Date Analyzed:	10/5/23	Sampler Signature	JM Dick
Time Analyzed:	11:45 AM		
Original Dry Mass [g]	NA		
Original Slurry Mass [lb]	18.2 lbs		

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen (mm:ss)	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.63	27.26	17.97	5:23	3:44	✓	✓	CTS-L-4-SU	+ #25
50	297	9.64	53.78	44.14	7:06	3:44	✓	✓	CTS-L-4-SU	+ #50
100	149	8.87	69.81	60.94	8:56	3:45	✓	✓	CTS-L-4-SU	+ #100
140	105	4.29	88.4	41.28	8:24	3:46	✓	✓	CTS-L-4-SU	+ #140
200	74	9.08	51.21	42.13	5:57	3:46	✓	✓	CTS-L-4-SU	+ #200
270	53	8.58	23.07	14.44	6:52	3:47	✓	✓	CTS-L-4-SU	+ #270
-270	-53	2.19	30.04	17.90	NA	2:08	✓	✓	CTS-L-4-SU	- #270
Totals:						101.060			FF	



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: RACS		Sampler Name: Jordan Dick	
Sample Analyzed: CTS-L-4-SU 5 OF 5		Print	
Date Analyzed: 10/6/22		Sampler Signature: [Signature]	
Time Analyzed: 8:00 AM			
Original Dry Mass [g]: NA			
Original Slurry Mass [lb]: 18.2 lbs			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.41	12.90	3.49	3:29	9:33	✓	✓	CTS-L-4-SU + # 25
50	297	9.61	16.74	11.13	6:47	9:34	✓	✓	CTS-L-4-SU + # 50
100	149	9.36	27.85	18.29	6:14	9:35	✓	✓	CTS-L-4-SU + # 100
140	105	9.49	22.81	12.52	7:38	9:36	✓	✓	CTS-L-4-SU + # 140
200	74	9.62	28.41	18.80	5:49	9:37	✓	✓	CTS-L-4-SU + # 200
270	53	9.58	18.14	8.86	6:57	9:38	✓	✓	CTS-L-4-SU + # 270
-270	-53	2.11	18.57	13.46	NA	8:57	✓	✓	CTS-L-4-SU - # 270
Totals:						C10107m0 LF			



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: RAES		Sampler Name: Jordan Dick	
Sample Analyzed: CTS-L-8-SY 10/11/22		Print: Jordan Dick	
Date Analyzed: 10/6/22		Sampler Signature: [Signature]	
Time Analyzed: 9:45 AM			
Original Dry Mass [g]: NA			
Original Slurry Mass [lb]: 10.0 (lb)			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XR?	
25	707	8.72	13.61	4.89	0:23	11:19	✓	✓	CTS-L-8-SY + #25
50	297	8.67	27.37	28.70	7:45	11:20	✓	✓	CTS-L-8-SY + #50
100	149	8.16	21.08	16.98	0:33	11:21	✓	✓	CTS-L-8-SY + #100
140	105	8.05	23.58	53.52	0:21	11:22	✓	✓	CTS-L-8-SY + #140
200	74	8.84	67.44	80.60	7:21	11:23	✓	✓	CTS-L-8-SY + #200
270	53	9.11	48.27	36.16	0:49	11:24	✓	✓	CTS-L-8-SY + #270
-270	-53	2.15	48.14	473.74	NA	3:11 PM	✓	✓	CTS-L-8-SY - #270
Totals:						10/17/22			IF 10/17/22

error 10/11 AM

Actual
Tare (g)

2.19

Gross dry (g)

475.93

error 10/11 AM

10/14 MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		PAES		Sampler Name		Serious Dick				
Sample Analyzed:		CTS-L-8-SU 2 of 4		Print						
Date Analyzed:		10/6/22		Sampler Signature		[Signature]				
Time Analyzed:		9:30								
Original Dry Mass [g]		NA								
Original Slurry Mass [lb]		18.0 lbs								
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XR:		
25	707	8.26	10.59	1.83	5:24	11:02	✓	✓	CTS-L-8-SU + #25	
50	297	8.08	22.18	13.10	7:37	11:03	✓	✓	CTS-L-8-SU + #50	
100	149	8.43	45.24	36.31	6:48	11:04	✓	✓	CTS-L-8-SU + #100	
140	105	8.01	38.47	29.90	8:01	11:05	✓	✓	CTS-L-8-SU + #140	
200	74	8.64	61.13	52.49	6:09	11:06	✓	✓	CTS-L-8-SU + #200	
270	53	8.08	28.30	19.22	7:23	11:07	✓	✓	CTS-L-8-SU + #270	
-270	-53	2.18	60.90	58.72	NA	11:07	✓	✓	CTS-L-8-SU + #270	
Totals:						10/7/22			10/7/22	



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: RAES		Sampler Name: Jordan Dick	
Sample Analyzed: CTS-L-8-SU 3 of 4		Print	
Date Analyzed: 10/6/22		Sampler Signature: [Signature]	
Time Analyzed: 10:25 AM			
Original Dry Mass [g]: NA			
Original Slurry Mass [lb]: 18.0 lbs			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.47	10.36	0.89	5:24	11:52	✓	✓	CTS-L-8-SU ±#25
50	297	9.38	17.86	10.48	6:42	11:53	✓		CTS-L-8-SU ±#50
100	149	9.31	28.48	19.17	5:46	11:54	✓	✓	CTS-L-8-SU ±#100
140	105	9.01	28.91	16.50	7:31	11:55	✓	✓	CTS-L-8-SU ±#140
200	74	9.10	33.34	24.24	5:52	11:56	✓	✓	CTS-L-8-SU ±#200
270	53	8.92	21.18	12.26	6:56	11:57	✓	✓	CTS-L-8-SU ±#270
-270	-53	2.15	2.48.14	45.99	NA	3:12 PM	✓	✓	CTS-L-8-SU ±#270
Totals:						10/7/22 16117 JF			



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES	Sampler Name	Jordan Dek
Sample Analyzed:	CTS-L-8-SL 4 of 4	Print	
Date Analyzed:	10/6/22	Sampler Signature	JM Dik
Time Analyzed:	11:00 AM		
Original Dry Mass [g]	NA		
Original Slurry Mass [lb]	12.0 lb		

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XR?		
25	707	9.75	10.45	0.70	5:24	10:51	✓	✓	CTS-L-8-SL	+ #25
50	297	8.40	13.64	5.23	6:49	10:56	✓	✓	CTS-L-8-SL	+ #50
100	149	8.83	21.73	12.89	6:04	10:57	✓	✓	CTS-L-8-SL	+ #100
140	105	8.75	24.38	15.63	7:23	10:52	✓	✓	CTS-L-8-SL	+ #140
200	74	8.63	42.05	34.42	5:47	10:53	✓	✓	CTS-L-8-SL	+ #200
270	53	9.01	41.88	32.84	7:08	10:54	✓	✓	CTS-L-8-SL	+ #270
-270	-53	2.14	29.78	27.64	NA	3:04 PM	✓	✓	CTS-L-8-SL	- #270
Totals:						10/7/22	10/7/22	10/7/22		

* Motor failed while on the 270 Mesh screen

10/11
AM

DATA ENTERED

DISA

Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RACES					Sampler Name	Jordan D. de				
Sample Analyzed:	CTS-L-30-S4 1 of 5					Print					
Date Analyzed:	10/6/22					Sampler Signature	Jh Dik				
Time Analyzed:	1:25 PM										
Original Dry Mass [g]	NA										
Original Slurry Mass [lb]	12.8 lbs										
Wet RO-TAP Procedure						Checklist			Sample Bag Label		
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF			
25	707	9.22	9.28	0.06	5:21	12:52	✓	✓	CTS-L-30-S4 + #25		
50	297	9.71	9.04	0.33	6:41	12:55	✓	✓	CTS-L-30-S4 + #50		
100	149	8.89	9.73	0.84	6:27	12:54	✓	✓	CTS-L-30-S4 + #100		
140	105	9.28	9.96	0.73	7:51	12:55	✓	✓	CTS-L-30-S4 + #140		
200	74	9.24	13.90	14.66	6:40	12:56	✓	✓	CTS-L-30-S4 + #200		
270	53	8.85	13.85	4.50	2:01	12:57	✓	✓	CTS-L-30-S4 + #270		
-270	-53	2.16	512.80	510.64	NA	11:11	✓	✓	CTS-L-30-S4 - #270		
Totals:						10/11/22 FF			10/11/22 FF		

10/14 MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC


Project:	RAES					Sampler Name	Jordan Dick			
Sample Analyzed:	CTS-L-30-SY 2 of 5					Print				
Date Analyzed:	10/6/22					Sampler Signature				
Time Analyzed:	2:00 PM									
Original Dry Mass [g]	NA									
Original Slurry Mass [lb]	18.8 lbs									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen (mm:ss)	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.92	10.09	1.17	5:49	12:40	✓	✓	CTS-L-30-SY + #25	
50	297	8.07	20.84	10.97	7:01	12:41	✓	✓	CTS-L-30-SY + #50	
100	149	8.26	44.46	35.20	5:37	12:42	✓	✓	CTS-L-30-SY + #100	
140	105	9.13	45.68	36.57	7:27	12:43	✓	✓	CTS-L-30-SY + #140	
200	74	9.37	81.36	71.99	6:51	12:44	✓	✓	CTS-L-30-SY + #200	
270	53	9.07	49.75	40.66	9:27	12:45	✓	✓	CTS-L-30-SY + #270	
-270	-53	2.10	96.12	94.02	NA	2:49 PM	✓	✓	CTS-L-30-SY - #270	
Totals:						10/7/22 10:17 AM				



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES	Sampler Name	Jordan Dick
Sample Analyzed:	CTS-L-30-S4 3 of 5	Print	
Date Analyzed:	10/6/23	Sampler Signature	JM Dick
Time Analyzed:	9:45 AM		
Original Dry Mass [g]	NA		
Original Slurry Mass [lb]	18.5 lbs		

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.03	11.83	2.80	5:09	12:21	✓	✓	CTS-P-30-S4 + #25
50	297	9.56	23.69	14.13	6:26	12:22	✓	✓	CTS-L-30-S4 + #50
100	149	8.38	27.49	32.76	6:40	12:23	✓	✓	CTS-L-30-S4 + #100
140	105	8.38	27.00	30.02	8:20	12:34	✓	✓	CTS-L-30-S4 + #140
200	74	9.38	50.66	41.48	5:52	12:35	✓	✓	CTS-L-30-S4 + #200
270	53	9.55	31.09	21.54	7:09	12:36	✓	✓	CTS-L-30-S4 + #270
-270	-53	2.11	29.16	27.05	NA	2:45 PM	✓	✓	CTS-L-30-S4 - #270
Totals:									

10/11/22 10/17 IF
10/11



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES		Sampler Name	Jordan Dick
Sample Analyzed:	CTS-L-30-S4 4 of 5		Print	
Date Analyzed:	10/6/22		Sampler Signature	<i>Jordan Dick</i>
Time Analyzed:	3:45 PM			
Original Dry Mass [g]	NA			
Original Slurry Mass [lb]	18.8 lbs			

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.847	10.02	0.55	5:37	10:12	✓	✓	CTS-L-30-S4	+ #25
50	297	9.847	10.02	3.54	7:51	13:13	✓	✓	CTS-L-30-S4	+ #50
100	149	9.847	25.45	16.96	6:21	13:14	✓	✓	CTS-L-30-S4	+ #100
140	105	9.847	25.45	16.96	2:01	13:15	✓	✓	CTS-L-30-S4	+ #140
200	74	9.847	28.61	18.76	5:21	13:16	✓	✓	CTS-L-30-S4	+ #200
270	53	4.19	28.35	14.16	7:15	13:17	✓	✓	CTS-L-30-S4	+ #270
-270	-53	2.14	27.59	25.45	NA	2:36 PM	✓	✓	CTS-L-30-S4	- #270
Totals:						10/12/22	10/17/22			

Net MASS #140 = 16.27
#200 = 29.38
#270 = 17.17

10/11
AM



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		RAES				Sampler Name		Jordan Dick	
Sample Analyzed:		LTS-L-30-S4 5.5				Print			
Date Analyzed:		10/6/22				Sampler Signature		John Dick	
Time Analyzed:		4:45 PM							
Original Dry Mass [g]		NA							
Original Slurry Mass [lb]		18.8 lbs							

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.28	19.77	0.49	5:48	12:31	✓	✓	CTS-L-30-S4 + #25
50	297	9.62	19.74	0.12	7:37	12:32	✓	✓	CTS-L-30-S4 + #50
100	149	9.47	22.46	12.95	6:45	12:33	✓	✓	CTS-L-30-S4 + #100
140	105	9.16	22.59	12.90	8:21	12:34	✓	✓	CTS-L-30-S4 + #140
200	74	8.91	20.45	21.54	8:27	12:35	✓	✓	CTS-L-30-S4 + #200
270	53	9.08	20.91	11.83	7:16	12:36	✓	✓	CTS-L-30-S4 + #270
-270	-53	2.13	19.89	17.76	NA	2:48 PM	✓	✓	CTS-L-30-S4 + #270
Totals:									

10/17/22
 ↓
 10/22
 AH



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES					Sampler Name		Jordan Dick		
Sample Analyzed:	CTS-M-0-SL-01 mo					Print				
Date Analyzed:	10/11/22					Sampler Signature		Jm Dick		
Time Analyzed:	8:00 AM									
Original Dry Mass [g]	337.14g									
Original Slurry Mass [lb]	NA									

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.40	16.74	8.34	10:21	10:31	✓	✓	CTS-M-0-SL-01 + #25
50	297	8.56	25.89	17.33	12:08	10:32	✓	✓	CTS-M-0-SL-01 + #50
100	149	8.70	47.18	38.48	6:32	10:34	✓	✓	CTS-M-0-SL-01 + #100
140	105	8.91	45.82	36.91	2:21	10:35	✓	✓	CTS-M-0-SL-01 + #140
200	74	8.69	57.49	48.80	5:40	10:37	✓	✓	CTS-M-0-SL-01 + #200
270	53	8.24	39.19	30.95	6:27	10:39	✓	✓	CTS-M-0-SL-01 + #270
-270	-53	2.16	157.80	155.64	NA	9:36	✓	✓	CTS-M-0-SL-01 - #270
Totals:						10/13 MO			



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES					Sampler Name	Jordan Dick			
Sample Analyzed:	CTS-M-4-SL 1 of 3					Print				
Date Analyzed:	10/11/22									
Time Analyzed:	9:20AM									
Original Dry Mass [g]	NA					Sampler Signature	J Dick			
Original Slurry Mass [lb]	18.6 lbs									

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.18	9.23	0.05	6:24	10:06	✓	✓	CTS-M-4-SL + #25
50	297	8.83	9.52	0.69	6:39	10:01	✓	✓	CTS-M-4-SL + #50
100	149	9.09	11.76	2.67	6:18	10:03	✓	✓	CTS-M-4-SL + #100
140	105	9.30	13.79	4.49	7:39	10:05	✓	✓	CTS-M-4-SL + #140
200	74	8.97	22.36	13.39	6:26	10:06	✓	✓	CTS-M-4-SL + #200
270	53	8.84	25.43	16.59	7:58	10:08	✓	✓	CTS-M-4-SL + #270
-270	-53	2.09	419.94	417.85	NA	9:04	✓	✓	CTS-M-4-SL - #270
Totals:						10/13MO		10/18 J	

10/17MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: RAES		Sampler Name: Jordan Dick	
Sample Analyzed: CTS-M-4-SV 2 of 3		Print	
Date Analyzed: 10/11/22		Sampler Signature: [Signature]	
Time Analyzed: mistake - 2D			
Original Dry Mass [g]: NA			
Original Slurry Mass [lb]: 18.6 lbs			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XR?	
25	707	9.51	15.91	6.40	6:52	10:11	✓	✓	CTS-M-4-SV T #25
50	297	8.88	47.75	38.87	2:14	10:14	✓	✓	CTS-M-4-SV T #50
100	149	9.05	97.76	88.71	2:24	10:15	✓	✓	CTS-M-4-SV T #100
140	105	9.58	83.49	73.91	2:46	10:18	✓	✓	CTS-M-4-SV T #140
200	74	9.17	103.86	94.69	2:04	10:20	✓	✓	CTS-M-4-SV T #200
270	53	8.85	54.22	45.37	8:32	10:21	✓	✓	CTS-M-4-SV T #270
-270	-53	2.03	90.35	88.32	NA	9:32 AM	✓	✓	CTS-M-4-SV T #270
Totals:						10/13 MD			10/18 FF

10/12 AM



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: RATES		Sampler Name	
Sample Analyzed: CTS-M-4-SU 3 of 3		Print Jordan Dick	
Date Analyzed: 10/11/22		Sampler Signature [Signature]	
Time Analyzed: mistake - 3D			
Original Dry Mass [g]: NA			
Original Slurry Mass [lb]: 18.6 lbs			

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XR?	
25	707	9.01	15.21	6.20	7:42	9:46	✓	✓	CTS-M-4-SU + #25
50	297	8.67	39.01	30.34	9:23	9:48	✓	✓	CTS-M-4-SU + #50
100	149	8.53	161.83	61.30	6:22	9:51	✓	✓	CTS-M-4-SU + #100
140	105	8.64	56.01	47.37	7:53	9:53	✓	✓	CTS-M-4-SU + #140
200	74	9.46	66.56	57.10	6:33	9:55	✓	✓	CTS-M-4-SU + #200
270	53	9.32	42.64	33.32	8:14	9:57	✓	✓	CTS-M-4-SU + #270
-270	-53	2.08	44.38	42.30	NA	10:25	✓	✓	CTS-M-4-SU - #270
Totals:						10:13 MD			10:18 JF

DATA ENTERED

DISA

Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAE's					Sampler Name	Jordan Dick				
Sample Analyzed:	CTS-M-8-Sy 1 of 3					Print					
Date Analyzed:	10/11/22					Sampler Signature	Jm Dick				
Time Analyzed:	mistake - SD										
Original Dry Mass [g]	NA										
Original Slurry Mass [lb]	18.6 lbs										

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.25	10.06	0.81	6:49	10:48	✓	✓	CTS-M-8-Sy + #25
50	297	9.45	15.42	5.97	2:04	10:50	✓	✓	CTS-M-8-Sy + #50
100	149	9.55	31.90	22.35	5:23	10:53	✓	✓	CTS-M-8-Sy + #100
140	105	9.37	37.94	28.57	7:36	10:55	✓	✓	CTS-M-8-Sy + #140
200	74	9.10	67.62	58.52	6:31	10:56	✓	✓	CTS-M-8-Sy + #200
270	53	9.17	60.75	51.58	7:56	10:58	✓	✓	CTS-M-8-Sy + #270
-270	-53	2.18	502.43	500.25	NA	10:58:25	✓	✓	CTS-M-8-Sy - #270
Totals:						10/13mo			10/13 7f

10/17MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		RAES		Sampler Name		Jordan Dik	
Sample Analyzed:		CTS-M-8-Sy 2 of 3		Print			
Date Analyzed:		10/11/23		Sampler Signature		[Signature]	
Time Analyzed:		mistake - JD					
Original Dry Mass [g]		NA					
Original Slurry Mass [lb]		18.6 lbs					

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.76	12.14	2.38	6:57	11:06	✓	✓	CTS-M-8-Sy #25	
50	297	9.12	26.26	17.14	8:24	11:08	✓	✓	CTS-M-8-Sy #50	
100	149	9.02	57.88	48.86	5:41	11:09	✓	✓	CTS-M-8-Sy #100	
140	105	9.26	47.23	37.97	7:23	11:10	✓	✓	CTS-M-8-Sy #140	
200	74	9.54	52.93	43.39	5:34	11:11	✓	✓	CTS-M-8-Sy #200	
270	53	8.95	29.70	20.75	6:46	11:13	✓	✓	CTS-M-8-Sy #270	
-270	-53	2.16	41.51	39.35	NA	10:59	✓	✓	CTS-M-8-Sy #270	
Totals:						10/13 MD		10/18 JT		



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	PAGES		Sampler Name	Jordan Dick	
Sample Analyzed:	CTS-M-8-SY 3 of 3		Print		
Date Analyzed:	10/11/22		Sampler Signature	[Signature]	
Time Analyzed:	mistake - 30				
Original Dry Mass [g]	NA				
Original Slurry Mass [lb]	18.6 lbs				

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.77	17.63	8.86	5:37	11:14	✓	✓	CTS-M-8-SY + #25
50	297	8.83	43.93	35.10	6:52	11:15	✓	✓	CTS-M-8-SY + #50
100	149	8.55	86.01	77.46	6:15	11:17	✓	✓	CTS-M-8-SY + #100
140	105	8.71	29.35	50.64	7:41	11:18	✓	✓	CTS-M-8-SY + #140
200	74	9.00	67.19	58.19	5:24	11:19	✓	✓	CTS-M-8-SY + #200
270	53	9.24	33.19	23.95	6:57	11:20	✓	✓	CTS-M-8-SY + #270
-270	-53	2.17	37.34	35.17	NA	11:01	✓	✓	CTS-M-8-SY - #270
Totals:						10/13 MO		10/18 IF	



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES			Sampler Name	Laron Dink				
Sample Analyzed:	CTS-M-30-24 1 of 4			Print					
Date Analyzed:	10/13/22			Sampler Signature	John Dink				
Time Analyzed:	8:06 AM								
Original Dry Mass [g]	NA								
Original Slurry Mass [lb]	18.6 lbs								

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.28	11.01 MO	0.04	4:25	11:54	✓	✓	CTS-M-30-SU + #25
50	297	9.28	9.2833	0.05	5:37	11:54	✓	✓	CTS-M-30-SU + #50
100	149	9.16	9.28	0.12	6:27	11:57	✓	✓	CTS-M-30-SU + #100
140	105	9.18	9.33	0.15	7:49	11:59	✓	✓	CTS-M-30-SU + #140
200	74	9.00	9.76	0.16	8:42	12:00	✓	✓	CTS-M-30-SU + #200
270	53	9.06	9.30	0.24	8:06	12:08	✓	✓	CTS-M-30-SU + #270
-270	-53	2.13	23.57		NA	8:38	✓	✓	CTS-M-30-SU - #270
Totals:		2.13	284.95	282.82		10/14 MO			

+25 DRY MASS = 9.32g

10/20 MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	PAES		Sampler Name:	Jordan Dick	
Sample Analyzed:	CTS-M-30-SW 2 of 4		Print:		
Date Analyzed:	10/13/22		Sampler Signature:	[Signature]	
Time Analyzed:	8:22 AM				
Original Dry Mass [g]	NA				
Original Slurry Mass [lb]	18.6 lbs				

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.59	9.81	1.22	5:24	11:43	✓	✓	CTS-M-30-SW #25
50	297	9.30	10.20	0.90	7:52	11:45	✓	✓	CTS-M-30-SW #50
100	149	9.07	29.94	20.87	6:37	11:47	✓	✓	CTS-M-30-SW #100
140	105	8.76	30.65	21.89	8:02	11:48	✓	✓	CTS-M-30-SW #140
200	74	8.77	55.42	46.65	4:29	11:50	✓	✓	CTS-M-30-SW #200
270	53	8.70	45.62	36.92	7:53	11:51	✓	✓	CTS-M-30-SW #270
-270	-53	2.13	235.53	233.40	NA	8:38	✓	✓	CTS-M-30-SW #270
Totals:									

10/14/22

10/17/22



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	KARE					Sampler Name	Jordan Dick			
Sample Analyzed:	CT5-M-30-SY 3 of 4					Print				
Date Analyzed:	10/13/23					Sampler Signature	John Dick			
Time Analyzed:	8:55 AM									
Original Dry Mass [g]	NA									
Original Slurry Mass [lb]	18.6 lbs									

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.06	13.59	4.53	6:20	11:32	✓	✓	CT5-M-30-SY + #25
50	297	9.02	41.32	32.30	7:47	11:34	✓	✓	CT5-M-30-SY + #50
100	149	9.32	90.84	81.52	8:45	11:38	✓	✓	CT5-M-30-SY + #100
140	105	9.39	106.66	97.27	8:17	11:39	✓	✓	CT5-M-30-SY + #140
200	74	9.65	92.60	82.95	8:48	11:39	✓	✓	CT5-M-30-SY + #200
270	53	9.21	37.28	28.07	7:12	11:41	✓	✓	CT5-M-30-SY + #270
-270	-53	2.17	52.49	50.32	NA	8:33	✓	✓	CT5-M-30-SY - #270
Totals:						16/14 MO			

10/17 MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAE3					Sampler Name		Jordan Dick		
Sample Analyzed:	CTS-M-30-SW 4 of 1					Print				
Date Analyzed:	10/17/22					Sampler Signature		John Dick		
Time Analyzed:										
Original Dry Mass [g]	NA									
Original Slurry Mass [lb]	18.6 lbs									
Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.44	11.67	2.23	6:49	10:34	✓	✓	CTS-M-30-SW #25	
50	297	9.42	23.29	13.87	7:58	10:35	✓	✓	CTS-M-30-SW + #50	
100	149	9.41	49.86	40.45	5:47	10:36	✓	✓	CTS-M-30-SW + #100	
140	105	8.86	38.52	29.66	6:46	10:37	✓	✓	CTS-M-30-SW + #140	
200	74	9.26	50.22	40.96	5:37	10:38	✓	✓	CTS-M-30-SW + #200	
270	53	9.48	27.29	17.81	7:01	10:40	✓	✓	CTS-M-30-SW + #270	
-270	-53	2.16	33.69	31.53	NA	10:45	✓	✓	CTS-M-30-SW - #270	
Totals:						10/14 MO				



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		RAES		Sampler Name		Jordan Dick	
Sample Analyzed:		CT5-H-0-SL 1.61		Print			
Date Analyzed:		10/17/22		Sampler Signature		Jm Dick	
Time Analyzed:		8:46 AM					
Original Dry Mass [g]		460.27g					
Original Slurry Mass [lb]		NA					

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.52	18.28	18.28	0:01	7:42	✓	✓	CT5-H-0-SL-01-#25
50	297	9.47	22.81	22.81	9:15	7:41	✓	✓	CT5-H-0-SL-01-#50
100	149	9.60	45.85	45.85	7:14	7:40	✓	✓	CT5-H-0-SL-01-#100
140	105	9.08	45.54	36.46	8:39	7:39	✓	✓	CT5-H-0-SL-01-#140
200	74	9.68	69.56	59.96	6:26	7:38	✓	✓	CT5-H-0-SL-01-#200
270	53	9.18	47.21	40.03	7:52	7:37	✓	✓	CT5-H-0-SL-01-#270
-270	-53	2.16 mo	45.93 mo	199.00	NA	8:50	✓	✓	CT5-H-0-SL-01-#270
Totals:		2.16	201.16			10/14 IF		10/18 IF	

Net total #25 = 8.76
 #50 = 13.34
 #100 = 36.25

10/17 mo



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: RAES		Sampler Name: Jordan Dick	
Sample Analyzed: CT-H-4-S4 1 of 3		Print	
Date Analyzed: 10/13/22		Sampler Signature: [Signature]	
Time Analyzed: 11:30 AM			
Original Dry Mass [g]: NA			
Original Slurry Mass [lb]: 17.0 lbs			

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.43	9.50	0.07	4:34	11:01	✓	✓	CT-S-H-4-S4	+ #25
50	297	9.67	9.79	0.12	6:21	11:02	✓	✓	CT-S-H-4-S4	+ #50
100	149	9.19	9.51	0.32	6:37	11:03	✓	✓	CT-S-H-4-S4	+ #100
140	105	9.29	9.40	0.11	8:12	11:05	✓	✓	CT-S-H-4-S4	+ #140
200	74	9.32	9.60	0.34	6:47	11:06	✓	✓	CT-S-H-4-S4	+ #200
270	53	9.42	9.91	0.49	8:15	11:09	✓	✓	CT-S-H-4-S4	+ #270
-270	-53	2.12	317.19	315.07		11:30	✓	✓	CT-S-H-4-S4	+ #270
Totals:										

(10/14 MO
10/20 MO)



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: KAES		Sampler Name: Jordan Dick	
Sample Analyzed: CTS-H-4-SY 2 o/s		Print	
Date Analyzed: 10/13/22		Sampler Signature: JH Dick	
Time Analyzed: 1:15 PM			
Original Dry Mass [g]: NA			
Original Slurry Mass [lb]: 17.0 lbs			

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	9.08	15.04	5.96	5:37	10:49	✓	✓	CTS-H-4-SY + #25	
50	297	9.08	41.14	32.06	6:52	10:52	✓	✓	CTS-H-4-SY + #50	
100	149	9.50	95.85	86.35	6:22	10:53	✓	✓	CTS-H-4-SY + #100	
140	105	9.02	83.69	74.67	7:38	10:55	✓	✓	CTS-H-4-SY + #140	
200	74	9:35	148.41	139.06	6:37	10:56	✓	✓	CTS-H-4-SY + #200	
270	53	8.85	49.18	40.33	7:49	10:58	✓	✓	CTS-H-4-SY + #270	
-270	-53	2.06	165.87	163.81	NA	8:51	✓	✓	CTS-H-4-SY - #270	
Totals:										

10/14 MO
10/17 MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		RAES		Sampler Name		Jordan Dick	
Sample Analyzed:		CTS-H-4-S4 30F3		Print			
Date Analyzed:		10/13/22		Sampler Signature		JH Dick	
Time Analyzed:		1:45 PM					
Original Dry Mass [g]		NA					
Original Slurry Mass [lb]		17.0 lbs					

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	8.31	10.55	2.24	5:29	9:57	✓	✓	CTS-H-4-S4 + #25	
50	297	9.02	24.07	15.05	6:48	9:58	✓	✓	CTS-H-4-S4 + #50	
100	149	8.59	64.97	56.38	6:26	9:59	✓	✓	CTS-H-4-S4 + #100	
140	105	9.69	62.85	53.16	7:57	10:00	✓	✓	CTS-H-4-S4 + #140	
200	74	9.04	25.00	15.96	5:48	10:01	✓	✓	CTS-H-4-S4 + #200	
270	53	8.46	53.89	45.43	7:09	10:02	✓	✓	CTS-H-4-S4 + #270	
-270	-53	2.03	131.26	129.23	NA	8:53	✓	✓	CTS-H-4-S4 - #270	
Totals:						10/14 FF				

10/14 MO



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		RAES		Sampler Name		Jordan Dick	
Sample Analyzed:		CTB H-B-S4 1 of 4		Print			
Date Analyzed:		12/13/22		Sampler Signature		J.Dick	
Time Analyzed:		10:00 AM					
Original Dry Mass [g]		NA					
Original Slurry Mass [lb]		186.65					

Wet RO-TAP Procedure						Checklist			Sample Bag Label	
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF		
25	707	4.32	9.57	0.25	4:57	✓	10:22	✓	CTB-H-B-S4	+ #25
50	297	8.94	9.10	0.16	6:15	✓	10:23	✓	CTB-H-B-S4	+ #50
100	149	8.55	8.97	0.42	6:21	✓	10:24	✓	CTB-H-B-S4	+ #100
140	105	8.92	9.22	0.30	7:39	✓	10:25	✓	CTB-H-B-S4	+ #140
200	74	8.89	9.26	0.37	5:46	✓	10:26	✓	CTB-H-B-S4	+ #200
270	53	8.31	9.61	0.70	7:15	✓	10:27	✓	CTB-H-B-S4	+ #270
-270	-53	2.12	361.98	359.86		✓	12:25	✓	CTB-H-B-S4	- #270
Totals:						10/16/22 10/18/22				



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		RAES		Sampler Name		Jordan Dick	
Sample Analyzed:		CTS-H-8-S4 2 of 4		Print			
Date Analyzed:		10/13/22		Sampler Signature		Jm Dick	
Time Analyzed:		10:45 AM					
Original Dry Mass [g]		N/A					
Original Slurry Mass [lb]		12.6 (b)					

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.06	10.54	1.53	5:48	10:00	10:00	✓	CTS-H-8-S4 + #25
50	297	8.49	15.84	16.85	7:37	10:01	10:01	✓	CTS-H-8-S4 + #50
100	149	9.56	27.71	20.35	6:52	10:02	10:02	✓	CTS-H-8-S4 + #100
140	105	9.19	38.31	29.12	8:33	10:03	10:03	✓	CTS-H-8-S4 + #140
200	74	8.69	43.31	14.62	5:26	10:04	10:04	✓	CTS-H-8-S4 + #200
270	53	4.45	63.45	64.00	6:51	10:05	10:05	✓	CTS-H-8-S4 + #270
-270	-53	2.06	234.13	232.07	N/A	10:01	✓	✓	CTS-H-8-S4 = #270
Totals:						10/11/22 10/19/22			J



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RACS				Sampler Name	Jordan Dick			
Sample Analyzed:	CTS-H-8-S4 3 of 4				Print				
Date Analyzed:	10/17/22				Sampler Signature	John Dick			
Time Analyzed:	9:00 AM								
Original Dry Mass [g]	NA								
Original Slurry Mass [lb]	18.6 lbs								
Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	9.0	12.38	3.38	5:52	✓	9.07	✓	CTS-H-8-S4 + #25
50	297	9.47	38.58	29.11	7:15	✓	9.08	✓	CTS-H-8-S4 + #50
100	149	9.09	86.47	77.38	5:41	✓	9.09	✓	CTS-H-8-S4 + #100
140	105	9.1	72.43	63.33	7:27	✓	9.10	✓	CTS-H-8-S4 + #140
200	74	9.07	108.71	99.64	5:13	✓	9.11	✓	CTS-H-8-S4 + #200
270	53	9.02	33.88	24.86	6:47	✓	9.12	✓	CTS-H-8-S4 + #270
-270	-53	2.11	48.85	46.74	NA	✓	12.28	✓	CTS-H-8-S4 ~ #270
Totals:				38.74			10/18 IF 10/19 JF		



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAFS					Sampler Name	Jordan Dick			
Sample Analyzed:	CTS-H-8-SY 4 of 4					Print				
Date Analyzed:	10/17/22					Sampler Signature	Jm Dick			
Time Analyzed:	9:27 AM									
Original Dry Mass [g]	NA									
Original Slurry Mass [lb]	18.6 lbs									

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.29	12.40	4.11	5:29	✓	10:13	✓	CTS-H-8-SY T# 25
50	297	8.30	27.75	19.45	6:48	✓	10:14	✓	CTS-H-8-SY T# 50
100	149	8.40	50.26	41.86	6:32	✓	10:15	✓	CTS-H-8-SY T# 100
140	105	8.70	51.47	42.77	7:53	✓	10:16	✓	CTS-H-8-SY T# 140
200	74	9.19	69.90	60.71	5:27	✓	10:17	✓	CTS-H-8-SY T# 200
270	53	8.86	33.03	24.17	6:39	✓	10:18	✓	CTS-H-8-SY T# 270
270	-53	242	36.95	35.13	NA	12:22	✓	✓	CTS-H-8-SY T# 270
Totals:		2.121	37.25				10/19/22	10/18/22	



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:		RAES		Sampler Name		Jordan Dick	
Sample Analyzed:		LT6-H-30-Sy 1 of 4		Print			
Date Analyzed:		10/17/18		Sampler Signature		[Signature]	
Time Analyzed:		9:53 AM					
Original Dry Mass [g]		NA					
Original Slurry Mass [lb]		12.0 lbs					

Size Fraction [US Mesh]	Size Fraction [micron]	Wet RO-TAP Procedure		Net Mass Total [g]	Time on Screen [mm:ss]	Checklist			Sample Bag Label
		Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]			Sample Logged	Sample Bagged	Sample XRF	
25	707	9.2	9.46	0.20	4:56	✓	7.44	✓	
50	297	9.06	9.39	0.33	6:12	✓	7.45	✓	
100	149	9.53	9.87	0.34	6:49	✓	7.46	✓	
140	105	9.26	9.63	0.37	8:15	✓	7.47	✓	
200	74	9.63	10.36	1.68	6:37	✓	7.48	✓	
270	53	2.16	3.74	1.58	7:52	✓	7.49	✓	
-270	-53				N/A	✓	12:12	✓	
Totals:							10/18 IF	10/19 IF	



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project: KACS		Sampler Name: Jordan Dick	
Sample Analyzed: CTS-14-30-54 20521		Print	
Date Analyzed: 10/17/22		Sampler Signature: [Signature]	
Time Analyzed: 10:18 AM			
Original Dry Mass [g]: NA			
Original Slurry Mass [lb]: 18.0 lbs			

Size Fraction [US Mesh]	Size Fraction [micron]	Wet RO-TAP Procedure		Net Mass Total [g]	Time on Screen [mm:ss]	Checklist			Sample Bag Label
		Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]			Sample Logged	Sample Bagged	Sample XRF	
25	707	8.79	13.88	1.06	6:09	✓	10:36	✓	
50	297	8.99	4.89	4.89	7:36	✓	10:37	✓	
100	149	9.33	23.43	14.10	5:49	✓	10:38	✓	
140	105	9.03	27.85	18.82	6:54	✓	10:39	✓	
200	74	4.71	53.71	44.20	5:38	✓	10:40	✓	
270	53	4.28	57.60	48.32	7:06	✓	10:41	✓	
-270	-53	2.12	250.39	248.27		✓	10:44	✓	
Totals: 101154 = 10119 Zr									



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES					Sampler Name	Jordan Dick		
Sample Analyzed:	LIS-11-30-54 3 of 4					Print			
Date Analyzed:	6/17/22					Sampler Signature	Jm Dick		
Time Analyzed:	10:44 AM								
Original Dry Mass [g]	NA								
Original Slurry Mass [lb]	18.0 lbs								

Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen [mm:ss]	Sample Logged	Sample Bagged	Sample XRF	
25	707	8.54	11.41	2.87	6:16	✓	10:10	✓	
50	297	9.18	43.35	34.17	7:43	✓	10:11	✓	
100	149	8.68	79.28	70.60	5:29	✓	10:12	✓	
140	105	9.70	64.56	54.86	7:12	✓	10:13	✓	
200	74	8.75	40.65	31.90	5:26	✓	10:14	✓	
270	53	4.68	36.77	27.09	7:43	✓	10:15	✓	
-270	-53	2.08	43.13	41.05	12: N/A	✓	12:16	✓	
Totals:							10:18		10:19



Exhibit C SOP for ROTAP Material Processing - Site Sample Collection COC

Project:	RAES				Sampler Name	Jordan Dzik			
Sample Analyzed:	17S-H-30-S4 4 of 4				Print				
Date Analyzed:	10/17/22				Sampler Signature	[Signature]			
Time Analyzed:	11:30 AM								
Original Dry Mass [g]	NA								
Original Slurry Mass [lb]	18.0 (65)								
Wet RO-TAP Procedure						Checklist			Sample Bag Label
Size Fraction [US Mesh]	Size Fraction [micron]	Tare Mass Cup/Filter Paper [g]	Dry Mass Total [g]	Net Mass Total [g]	Time on Screen (mm:ss)	Sample Logged	Sample Bagged	Sample XR?	
25	707	9.46	10.64	1.18	6:15	✓	10:49	✓	
50	297	8.94	20.98	12.04	7:49	✓	10:50	✓	
100	149	8.85	55.76	47.11	5:36	✓	10:51	✓	
140	105	8.74	58.99	50.25	6:52	✓	10:52	✓	
200	74	8.57	34.69	26.12	5:43	✓	10:53	✓	
270	53	8.63	82.82	74.19	7:11	✓	10:54	✓	
270	-53	2.12	44.44	42.32	N/A	✓	12:14	✓	
Totals:						10:18 TF 10:19 TF			