

### Concentrate Fraction Combinations

Quivira						
RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass QV-L-0-F Added [g]	Actual Mass QV-L-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
QV-L-4-SY -270 ✓	117.17	166.52	166.51	280.73	10/24 18:35	AH
QV-L-8-SY -270 ✓	141.64	224.56	224.63	362.72	10/24 18:45	AH
QV-L-30-SY -270 ✓	181.25	217.61	217.67	394.32	10/24 18:55	AH

RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass QV-M-0-F Added [g]	Actual Mass QV-M-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
QV-M-4-SY -270 ✓	66.40	311.91	311.90	375.01	10/24 19:04	AH
QV-M-8-SY -270 ✓	78.60	317.44	317.69	393.38	10/24 19:08	AH
QV-M-30-SY -270 ✓	124.50	282.92	282.93	404.61	10/24 19:10	AH

RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass QV-H-0-F Added [g]	Actual Mass QV-H-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
QV-H-4-SY -270 ✓	84.22	389.75	389.91	470.18	10/24 19:21	AH
QV-H-8-SY -270 ✓	96.03	379.09	379.09	470.56	10/24 19:26	AH
QV-H-30-SY -270 ✓	144.96	322.49	322.53	451.77	10/24 19:30	Some mass spilled from pan AH

Church Rock						
RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass CR-L-0-F Added [g]	Actual Mass CR-L-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
CR-L-4-SY -270 ✓	111.20	189.09	189.19	298.92	10/24 19:38	AH
CR-L-8-SY -270 ✓	112.07	199.72	199.87	309.37	10/24 19:43	AH
CR-L-30-SY -270 ✓	137.04	199.08	199.21	333.14	10/24 19:46	AH

RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass CR-M-0-F Added [g]	Actual Mass CR-M-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
CR-M-4-SY -270 ✓	109.17	165.47	165.51	271.70	10/24 19:57	AH
CR-M-8-SY -270 ✓	131.25	206.20	206.37	334.43	10/24 20:02	AH
CR-M-30-SY -270 ✓	171.24	183.29	183.65	350.94	10/24 20:05	AH

RO-TAP Sample ID	RO-TAP Sample Mass [g]	Goal Mass CR-H-0-F Added [g]	Actual Mass CR-H-0-F Added [g]	Post Pulverized Mass [g]	Date/Time	Notes
CR-H-4-SY -270 ✓	97.92	240.99	241.01	336.07	10/24 20:14	AH
CR-H-8-SY -270 ✓	105.42	239.73	239.82	343.28	10/24 20:17	AH
CR-H-30-SY -270 ✓	167.47	195.56	195.67	358.80	10/24 20:22	AH

Check on -270 ROTAP

Mass Fractions Prior to Mixing.

2.2% empty plastic bag

tared on scale.

Notes

Pulverizing order

Sample ID	Approx Net (g)
QV-L-4-SY-270	116.12 ✓
QV-L-8-SY-270	139.93 ✓
QV-L-30-SY-270	178.24 ✓
QV-M-4-SY-270	64.74 ✓
QV-M-8-SY-270	77.33 ✓
QV-M-30-SY-270	<del>143.14</del> 123.15 ✓
QV-H- <del>4</del> -SY-270	82.08 ✓
QV-H-8-SY-270	93.25 ✓
QV-H-30-SY-270	143.14 ✓

originally massed QV-H-30-SY-270

- CR-L-4 → 8 → 30
- QV-L-4 → 8 → 30
- QV-M-4 → 8 → 30
- CR-M-4 → 8 → 30
- QV-H-4 → 8 → 30
- CR-H-4 → 8 → 30

CR-L-4-SY-270	110.94 ✓
CR-L-8-SY-270	111.10 ✓
CR-L-30-SY-270	136.15 ✓
CR-M-4-SY-270	109.60 ✓
CR-M-8-SY-270	130.79 ✓
CR-M-30-SY-270	169.66 ✓
CR-H-4-SY-270	96.65 ✓
CR-H-8-SY-270	104.85 ✓
CR-H-30-SY-270	165.48 ✓

- Puck cleaned between each sample
- samples pulverized for 10-20 seconds

	-270 Pulverizing	Logged Wt	Pre-Pulverized Wt	Post-Pulverized Wt
		g	g	g
7	CTS-H-4-SY	608.11	607.07	606.04
8	CTS-H-8-SY	<del>608.11</del> 605.80 671.80	660.55	659.54
9	CTS-H-30-SY	704.39	700.87	699.81
1	CTS-L-4-SY	596.34	592.80	591.53
2	CTS-L-8-SY	606.09	602.49	601.54
3	CTS-L-30-SY	674.92	670.90	667.67
4	CTS-M-4-SY	548.47	547.27	546.55
5	CTS-M-8-SY	574.77	572.61	571.44
6	CTS-M-30-SY	598.07	597.79	596.81

release