

Sample	HCl wt	30 ± .1 Sample	HCl wt.
1	30.07	29	30.01
2	30.10	30	30.06
3	30.04	—	—
4	30.02	31	29.98
5	30.09	32	30.01
— 6	30.00	33	30.10
7	30.03	34	30.09
8	29.99	35	30.05
9	30.00	—	—
10	30.07	36	30.02
— 11	30.02	37	30.08
12	30.02	38	30.03
13	29.99	39	30.04
14	30.02	40	30.02
15	30.10	—	—
— 16	29.99	41	30.01
17	30.03	42	30.04
18	30.04	43	30.03
19	29.96	44	30.04
20	29.99	—	—
— 21	30.00	45	30.09
22	30.06	46	29.95
23	30.03	47	30.08
24	29.99	48	30.02
25	30.02	49	30.03
— 26	29.98	50	30.00
27	30.09	51	30.00
28	30.02	52	30.05
		53	30.04
		54	30.08
		55	29.98
		56	30.03
		57	30.02
		58	29.99
		59	29.97

Sample HCl wt.

60 29.99

61 30.00

62 30.02

63 29.96

64 30.08

65 29.98

66 29.98

67 29.98

68 29.95

69 29.99

70 30.02

71 30.02

72 30.01

73 30.03

74 30.02

75 30.02

76 29.98

77 30.08

78 29.99

79 29.95

80 30.04

81 30.06

82 29.92

83 30.04

Sample

84 30.03

Blank 85 30.07

Blank 86 29.99

6 81.24

7 81.23

8 81.24

9 81.21

10 81.25

11 81.22

12 81.25

13 81.219

2M KCl - 81.21 $\pm .059$
 $\pm .5$

#	weight	#	weight	#	weight
1	81.22	29	81.24	64	81.23
2	81.22	30	81.22	65	81.23
3	81.22	31	81.19	66	81.22
4	81.18	32	81.24	67	81.21
5	81.25	33	81.25	68	81.21
6	81.26	34	81.25	69	81.22
7	81.24	35	81.25	70	81.22
8	81.23	36	81.24	71	81.21
9	81.24	37	81.25	72	81.21
10	81.21	38	81.20	73	81.23
11	81.25	39	81.24	74	81.24
12	81.22	40	81.20	75	81.23
13	81.25	41	81.20	76	81.23
14	81.19	42	81.17	77	81.25
15	81.23	43	81.20	78	81.21
16	81.19	44	81.19	79	81.26
17	81.20	45	81.25	80	81.23
18	81.23	46	81.20	81	81.24
19	81.18	47	81.18	82	81.20
20	81.20	48	81.24	83	81.22
21	81.18	49	81.25	84	81.25
22	81.25	50	81.16	Bin 1	81.25
23	81.17	51	81.25	Bin 2	81.22
24	81.23	52	81.22		
25	81.21	53	81.22		
26	81.17	54	81.25		
27	81.20	55	81.25		
28		56	81.23		
		57	81.24		
		58	81.21		
		59	81.23		
		60	81.21		
		61	81.20		
		62	81.18		
		63	81.22		

Specimen Cup KCl - 81.21 g ± 0.05

(N) 12/17/16

#	weight	#	weight	#	weight
1	81.24	39	81.22	78	81.26
2	81.21	40	81.19	79	81.23
3	81.23	41	81.22	80	81.23
4	81.25	42	81.17	81	81.17
5	81.21	43	81.24	82	81.20
6	81.21	44	81.20	83	81.24
7	81.24	45	81.21	84	81.20
8	81.22	46	81.21	Blank #1	81.17
9	81.23	47	81.22	Blank #2	81.20
10	81.22	48	81.24		
11	81.21	49	81.21		
12	81.25	50	81.25		
13	81.17	51	81.19		
14	81.20	52	81.22		
15	81.22	53	81.23		
16	81.23	54	81.21		
17	81.20	55	81.21		
18	81.19	56	81.23		
19	81.22	57	81.20		
20	81.21	58	81.20		
21	81.20	59	81.22		
22	81.20	60	81.20		
23	81.23	61	81.24		
24	81.21	62	81.24		
25	81.24	63	81.18		
26	81.21	64	81.21		
27	81.23	65	81.22		
28	81.20	66	81.18		
29	81.26	67	81.20		
30	81.22	68	81.17		
31	81.21	69	81.22		
32	81.25	70	81.18		
33	81.21	71	81.16		
34	81.22	72	81.22		
35	81.25	73	81.18		
36	81.25	74	81.21		
37	81.23	75	81.24		
38	81.22	76	81.20		
		77	81.18		

Nitrogen Mineralization 1-37 12/18/15; 38-84 12/21/15

#	Loc	Pit	Depth	KCl wt	Soil wt
1	Ridge	1	0-15		
2	Ridge	1	15-30		27.89
3	Ridge	1	30-45		
4	Ridge	1	45-60		28.17
5	Ridge	1	60-75		
6	Ridge	1	75-90		27.36
7	Ridge	1	90-105		
8	Slope	1	0-15		27.88
9	Slope	1	15-30		
10	Slope	1	30-45		27.87
11	Slope	1	45-60		
12	Slope	1	60-75		28.66
13	Slope	1	75-90		—
14	Slope	1	90-105		—
15	Valley	1	0-15		—
16	Valley	1	15-30		26.53
17	Valley	1	30-45		
18	Valley	1	45-60		28.65
19	Valley	1	60-75		
20	Valley	1	75-90		27.55
21	Valley	1	90-105		
22	Ridge	2	0-15		29.13
23	Ridge	2	15-30		
24	Ridge	2	30-45		29.41
25	Ridge	2	45-60		
26	Ridge	2	60-75		29.41
27	Ridge	2	75-90		
28	Ridge	2	90-105		28.77
29	Slope	2	0-15		
30	Slope	2	15-30		27.88
31	Slope	2	30-45		
32	Slope	2	45-60		28.95
33	Slope	2	60-75		
34	Slope	2	75-90		27.78
35	Slope	2	90-105		
36	Valley	2	0-15		27.37
37	Valley	2	15-30		
38	Valley	2	30-45		
39	Valley	2	45-60		
40	Valley	2	60-75		
41	Valley	2	75-90		
42	Valley	2	90-105		
43	Ridge	3	0-15		
44	Ridge	3	15-30		
45	Ridge	3	30-45		

#	Loc	Pit	Depth	KCl wt	Soil wt
46	Ridge	3	45-60		
47	Ridge	3	60-75		
48	Ridge	3	75-90		
49	Ridge	3	90-105		
50	Slope	3	0-15		
51	Slope	3	15-30		
52	Slope	3	30-45		
53	Slope	3	45-60		
54	Slope	3	60-75		
55	Slope	3	75-90		
56	Slope	3	90-105		
57	Valley	3	0-15		
58	Valley	3	15-30		
59	Valley	3	30-45		
60	Valley	3	45-60		
61	Valley	3	60-75		
62	Valley	3	75-90		
63	Valley	3	90-105		
64	Ridge	4	0-15		
65	Ridge	4	15-30		
66	Ridge	4	30-45		
67	Ridge	4	45-60		
68	Ridge	4	60-75		
69	Ridge	4	75-90		
70	Ridge	4	90-105		
71	Slope	4	0-15		
72	Slope	4	15-30		
73	Slope	4	30-45		
74	Slope	4	45-60		
75	Slope	4	60-75		
76	Slope	4	75-90		
77	Slope	4	90-105		
78	Valley	4	0-15		
79	Valley	4	15-30		
80	Valley	4	30-45		
81	Valley	4	45-60		
82	Valley	4	60-75		
83	Valley	4	75-90		
84	Valley	4	90-105		

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#	Loc	Pit	Depth	KCl wt	Soil wt
1	Ridge	1	0-15		27.84
2	Ridge	1	15-30		
3	Ridge	1	30-45		29.01
4	Ridge	1	45-60		
5	Ridge	1	60-75		28.78
6	Ridge	1	75-90		
7	Ridge	1	90-105		28.74
8	Slope	1	0-15		
9	Slope	1	15-30		29.25
10	Slope	1	30-45		
11	Slope	1	45-60		29.18
12	Slope	1	60-75		
13	Slope	1	75-90		
14	Slope	1	90-105		
15	Valley	1	0-15		28.89
16	Valley	1	15-30		
17	Valley	1	30-45		29.49
18	Valley	1	45-60		
19	Valley	1	60-75		28.94
20	Valley	1	75-90		
21	Valley	1	90-105		29.04
22	Ridge	2	0-15		
23	Ridge	2	15-30		30.42
24	Ridge	2	30-45		
25	Ridge	2	45-60		29.54
26	Ridge	2	60-75		
27	Ridge	2	75-90		29.16
28	Ridge	2	90-105		
29	Slope	2	0-15		29.15
30	Slope	2	15-30		
31	Slope	2	30-45		29.42
32	Slope	2	45-60		
33	Slope	2	60-75		29.07
34	Slope	2	75-90		
35	Slope	2	90-105		29.49
36	Valley	2	0-15		
37	Valley	2	15-30		29.22
38	Valley	2	30-45		28.74
39	Valley	2	45-60		29.55
40	Valley	2	60-75		29.10
41	Valley	2	75-90		29.16
42	Valley	2	90-105		29.56
43	Ridge	3	0-15		28.74
44	Ridge	3	15-30		28.58
45	Ridge	3	30-45		28.31

#	Loc	Pit	Depth	KCl wt	Soil wt
46	Ridge	3	45-60		29.09
47	Ridge	3	60-75		29.26
48	Ridge	3	75-90		28.84
49	Ridge	3	90-105		28.65
50	Slope	3	0-15		28.93
51	Slope	3	15-30		28.97
52	Slope	3	30-45		29.15
53	Slope	3	45-60		28.99
54	Slope	3	60-75		28.82
55	Slope	3	75-90		28.06
56	Slope	3	90-105		28.83
57	Valley	3	0-15		29.89
58	Valley	3	15-30		25.81
59	Valley	3	30-45		30.15
60	Valley	3	45-60		29.62
61	Valley	3	60-75		29.23
62	Valley	3	75-90		29.18
63	Valley	3	90-105		28.60
64	Ridge	4	0-15		28.99
65	Ridge	4	15-30		29.00
66	Ridge	4	30-45		29.19
67	Ridge	4	45-60		29.27
68	Ridge	4	60-75		29.14
69	Ridge	4	75-90		29.10
70	Ridge	4	90-105		28.73
71	Slope	4	0-15		28.77
72	Slope	4	15-30		29.07
73	Slope	4	30-45		29.59
74	Slope	4	45-60		28.77
75	Slope	4	60-75		28.70
76	Slope	4	75-90		28.88
77	Slope	4	90-105		28.79
78	Valley	4	0-15		28.44
79	Valley	4	15-30		29.30
80	Valley	4	30-45		29.10
81	Valley	4	45-60		28.81
82	Valley	4	60-75		29.15
83	Valley	4	75-90		29.19
84	Valley	4	90-105		27.72

dropped
some

[illegible]

1000

42

-71	Slope	4 0-15	0.98	10.93	29.95	30.39	5.19	1.62	4.10
72	Slope	4 15-30							
-73	Slope	4 30-45	1.00	11.21	30.63	30.72	5.56	1.53	4.00
74	Slope	4 45-60							
-75	Slope	4 60-75	0.98	11.21	29.88	30.62	7.19	1.51	3.96
76	Slope	4 75-90							
-77	Slope	4 90-105	0.98	11.20	29.95	29.90	5.26	1.52	4.00
78	Valley	4 0-15							
-79	Valley	4 15-30	0.98	11.20	30.63	30.05	5.17	1.54	4.07
80	Valley	4 30-45							
-81	Valley	4 45-60	0.97	11.21	30.15	30.09	5.81	1.44	4.00
82	Valley	4 60-75							
-83	Valley	4 75-90	0.99	10.92	30.25	30.14	5.38	1.58	4.36
84	Valley	4 90-105							

Initials:

Date:

4/8/15

Puerto Rico sample prep for Leliei

#	Location	Rep	Depth	HCl wt added	KCl wt added	NaOH wt added	NaHCO ₃ wt added
1	Ridge	1	0-15	30.04	81.22		30.79
2	Ridge	2	0-15	30.02	81.23		30.66
3	Ridge	3	0-15	30.01	81.23		30.65
4	Ridge	4	0-15	30.02	81.22		30.66
5	Ridge	5	0-15	30.00	81.22		
6	Ridge	6	0-15	30.02	81.22		
7	Ridge	1	15-30	30.01	81.20		
8	Ridge	2	15-30	30.03	81.23		
9	Ridge	3	15-30	30.02	81.20		
10	Ridge	4	15-30	30.03	81.22		
11	Ridge	5	15-30	30.03	81.24		
12	Ridge	6	15-30	30.02	81.24		
13	Slope	1	0-15	30.05	81.22		
14	Slope	2	0-15	30.04	81.23		
15	Slope	3	0-15	30.00	81.23		
16	Slope	4	0-15	30.03	81.24		
17	Slope	5	0-15	30.02	81.23		
18	Slope	6	0-15	30.02	81.24		
19	Slope	1	15-30	30.00	81.25		
20	Slope	2	15-30	30.02	81.21		
21	Slope	3	15-30	30.05	81.23		
22	Slope	4	15-30	30.00	81.22		
23	Slope	5	15-30	30.00	81.24		
24	Slope	6	15-30	30.02	81.20		
25	Valley	1	0-15	30.01	81.22		
26	Valley	2	0-15	30.05	81.23		
27	Valley	3	0-15	30.03	81.22		
28	Valley	4	0-15	30.01	81.23		
29	Valley	5	0-15	30.01	81.23		
30	Valley	6	0-15	30.02	81.23		
31	Valley	1	15-30	30.03	81.22		
32	Valley	2	15-30	30.05	81.21		
33	Valley	3	15-30	30.03	81.21		
34	Valley	4	15-30	30.03	81.23		
35	Valley	5	15-30	30.03	81.22		
36	Valley	6	15-30	30.02	81.24		
	Blank	1		30.05	81.24		
	Blank	2		30.01	81.23		

10m1-10.28, 10.27, 10.26

N4H102

N404

45.18	71	Slope	4 0-15											44.87
45.02	72	Slope	4 15-30	0.99	1094	30.25	31.42	5.56	1.58	3.76				45.42
45.02	73	Slope	4 30-45											44.92
45.14	74	Slope	4 45-60	1.01	11.04	30.03	29.96	5.20	1.54	4.00				44.91
45.20	75	Slope	4 60-75											44.87
44.87	76	Slope	4 75-90	0.97	11.11	29.94	32.50	6.20	1.56	4.22				44.82
44.87	77	Slope	4 90-105											45.28
44.65	78	Valley	4 0-15	0.98	11.09	30.60	30.55	6.44	1.54	4.15				45.17
45.37	79	Valley	4 15-30					*6.17						45.00
45.08	80	Valley	4 30-45	0.98	11.13	30.11	30.01	7.34	1.48	3.95				45.17
45.08	81	Valley	4 45-60											45.25
44.99	82	Valley	4 60-75	0.99	11.02	30.05	30.18	6.02	1.57	4.22				44.83
45.13	83	Valley	4 75-90											45.33
45.11	84	Valley	4 90-105	0.99	11.17	29.73	32.41	5.92	1.61	3.98				44.76

44.76

b11-1 (e)

45.15

b11-2 (e)

45.14

44.54

phosphate

WV 56-62

on 1842 18.25 12/16/15