

Farm/Contact Name	Sample ID	Phone Number	Email
Woodard Farms	1A	(843) 307-6109	weswoodard@gmail.com
Chaplin Farms	1B	(843) 307-6551	chaplinfarms@att.net
Tim Griggs	1C	(843) 858-0740	timgriggs855@gmail.com
Ben Teal	2A	(843) 307-6549	tealbk@shtc.net
Bo Norris	2B	(843) 544-0072	norrisfarms09@yahoo.com
Joel Rivers	2C	(843) 623-4041	joelbrivers@gmail.com
Rhett Covington	3A	(843) 454-6325	rhettcfarms@hotmail.com
Calhoun Farms #1 Farm(city)	3B	(843) 439-0582	daviscalhoun15@gmail.com
Calhoun Farms #2 Graveyard	3C	(843) 439-0582	daviscalhoun15@gmail.com
Calhoun Farms #3 Jane Norton	3D	(843) 439-0582	daviscalhoun15@gmail.com
Calhoun Farms #4 County	3E	(843) 439-0582	daviscalhoun15@gmail.com
Calhoun Farms #5 Bennett Pond	3F	(843) 439-0582	daviscalhoun15@gmail.com
Hunter Welch	4A	(843) 601-6096	hunter_welch@aol.com
Zannie Poston	4b	(843) 687-5480	Zannierayposton@gmail.com
David Hanna	4C	(843) 687-6300	dhannafarms@aol.com
Brian McClam	5A	(843) 382-7611	millwoodgunclub@yahoo.com
Tony Norris	5B	(843) 382-7218	
At Macintosh	5C		
Rich Byrd	6A	(843) 659-6986	Jbyrd2@clemson.edu
David Tindal	6B	(803) 968-9083	dtindal@ftc-i.net
Scott Jackson	6C	(803)460-4884	scottj031@yahoo.com
Thomas Durant	6D	(803) 435-3705	
David Owens	7A	(843) 615-6210	dbowens40@yahoo.com
Robert Drew	7B	(843) 230-9277	drewfarms@aol.com
Baxley Farms	7C	(843) 431-8879	
Cody Gibson	7D	(843) 230-8088	cody1991ddr@aol.com
Tyler Produce	8A	(843) 397-6362	N/A
Pressley Johnson	8B	(843) 995-1029	tjlambert97@yahoo.com
William Hardee	8C	(843) 222-8701	hardee@clemson.edu
Andrew Elliott	8D	(843) 421-4012	
	8E		
	8F		
	8G		
	8H		
Sunny Price	9A	(843) 845-0650	brpicefarm1@hughes.net
Dusty Williams	9B	(843) 845-0994	dust073@hotmail.com
James Page	9C	(843) 621-3176	igpage111@gmail.com
Zan Tomlinson	10A	(803) 484-2779	tomlinson1@ftc-i.net
Whit Player	10B	(803) 428-8753	playerfarms@ftc-i.net
Steven Welsh	10C	(803) 428-8449	porkchopfarms@gmail.com
Tim Barnes	10D	(803) 968-1994	tbfarm@yahoo.com
Marion Huggins	11A	(803) 968-6658	hugginsfarm@yahoo.com
William James	11B	(803) 491-8726	triplejfarm8@icloud.com
Mickey Johnson	11C	(803) 473-6247	mickeyjman@yahoo.com
Billy Davis	11D	(803) 972-4207	
Graham Marsh	12A	(843) 209-8299	gmacmars@gmail.com
Mac Mcleod	12B	(803) 309-3261	fralofarm@hotmail.com

Belger Farms	12C	(803) 424-4731	jennyc@belgerfarms.com
Prison Farm	12D	(803) 518-1934	lindler.thomas@doc.sc.gov
Chad Owens	13A		
Steve Squires	13B		
Baxley Family Farms	13C		baxleyfamilyfarmsllc@yahoo.co
Baxley Family Farm	13D		baxleyfamilyfarmsllc@yahoo.co
	13E		
Boone Hall Plantation	14A	843-330-9985	erik5EK@hotmail.com
Newton Blueberry Farm	14B	843-991-8629	lnewton@knology.net
Newton Blueberry Farm Deep	14C	843-991-8629	lnewton@knology.net
Baldwin Muscadines	14D	843-870-1546	rbald@juno.com
Champneys Blueberries	14E	843-834-1891	leslietumbleston@att.net
CREC	14F	843-412-7304	whanvey@clemson.edu
Dean Hutto	15A	(803) 496-4479	deanbhutto@gmail.com
Ryan Gunter	15B	(803) 518-3458	gunterfarms@hotmail.com
Dan Garrick	15C	(803) 237-0473	dan.garrick@gmail.com
Barrett Williams	15D	(803) 837-1128	
Russell Sharpe	15E	(803) 664-1176	sharpefarms@tds.net
Warren Bozzard	15F	(803) 664-2784	wareen@dothantrees.com
Jeff Westbury	16B	(843) 560-0686	
Jeff Sweatman	16C	(843) 560-1871	
Sam Weathers	16D	(843) 636-4053	samwea38@yahoo.com
Lipmann	17A	843-521-3889	tommy.gay@lipmanproduce.co
Lipmann	17B	843-521-3889	tommy.gay@lipmanproduce.co
Coosaw Farms	17C	803-584-9079	brad@coosawfarms.com & cal@
Coosaw Farms	17D	803-584-9079	brad@coosawfarms.com & cal@
Dempsey Farms	17E	843-812-5808	ddem@hargray.com
Barefoot Farms	17F	843-592-1903	thebarefootfarm@gmail.com
Barefoot Farms	17G	843-592-1903	thebarefootfarm@gmail.com
Ervin Mathias	18A		
Rusty Barker	18B		barkerfarms40@yahoo.com
Joe Oswald	18C	803-686-0674	jcoswald@g.clemson.edu
Bowers Farms	19A	803-842-0801	corrinbowers@gmail.com
Meherrin	19B	803-842-1223	mfarrish@meherrinag.com
Henry Bamberg	20A	803-793-7216	
Terry Sandifer	20B		tsandifer57@gmail.com
Jonathan Croft	20C	843-560-1806	croft@clemson.edu
Sam Grubbs	21A	803-571-0699	
Rob Bates	21B	803-300-1422	robbatesfarms@icloud.com
Curt Hogg	21C	803-259-8499	
Dargen Culclausie	22A	803-516-2321	rdc3farm@gmail.com
Bill Holman	22B	803-837-0115	holman.farms@gmail.com
Perrow Farms	22C	803-682-4176	jperrow@clemson.edu
Hugo Lyons	22D	803-682-5061	jclyons1127@gmail.com
Kent Wannamaker	22E	803-539-8477	kwannamker@windsteam.net
John Hane	22F	803-378-0200	dhane@palmettofarmssc.com
Jason Waltz	22G	803-707-0171	jasonwaltz@windsteam.net
Greg Smith	22H	803-682-2693	gregksmith@gmail.com

Ray Hill
Jason Carter
Harold Hill

23A
23B
23C

803-920-8760
803-429-3481
803-730-8420

charles
jasoncarterfarms@gmail.com
betsy.hill@ymail.com

County	Latitude	Longitude	Water Use	Water Source
Darlington	34.38814	-79.839837	Spraying	Well
Darlington	34.441588	-79.940737	Spraying	Well
Darlington	34.475347	-79.998918	Spraying	Well
Chesterfield	34.502995	-80.027251	Spraying	Well
Chesterfield	34.559526	-79.886533	Spraying	Well
Chesterfield	34.752405	-80.059069	Spraying	Well
Marlboro	34.681695	-79.608872	Spraying	Well
Marlboro	34.577469	-79.540872	Spraying	Clio Water
Marlboro	34.544794	-79.514416	Spraying	Well
Marlboro	34.533797	-79.545406	Spraying	Well
Marlboro	34.617021	-79.570669	Spraying	MarlCo Water
Marlboro	34.591804	-79.549961	Spraying	Well
Florence	34.212145	-79.797471	Spraying	Well
Florence	34.046723	-79.541828	Spraying	FloCo Water
Florence	33.844384	-79.582959	Spraying	Well
Williamsburg	33.628657	-79.736541	Spraying	Well
Williamsburg	33.598553	-79.94152	Spraying	Well
Williamsburg	33.746368	-79.961624	Spraying	Well
Clarendon	33.887798	-79.9988	Spraying	Well
Clarendon	33.695957	-80.410315	Spraying	Well
Clarendon	33.721264	-80.302041	Spraying	Well
Clarendon	33.800536	-80.124132	Spraying	Well
Marion	34.151483	-79.24786	Spraying	Well
Marion	34.158919	-79.319996	Spraying	Well
Marion	34.114797	-79.330065	Spraying	MarCO Water
Marion	33.887762	-79.338615	Spraying	Well
Horry	33.835794	-79.169076	Spraying	Well
Horry	34.030426	-79.109662	Spraying	Well
Horry	34.0843256	-78.8294735	Spraying	Well
Horry	34.209589	-79.024362	Spraying	Well
Dillon	34.484659	-79.472024	Spraying	Well
Dillon	34.484659	-79.472024	Spraying	Well
Dillon	34.309857	-79.142757	Spraying	Well
Lee	34.041177	-80.03308	Spraying	Well
Lee	34.087707	-80.17914	Spraying	Well
Lee	34.103314	-80.213174	Spraying	Well
Lee	34.236001	-80.293463	Spraying	Well
Sumter	33.993951	-80.043946	Spraying	Well
Sumter	34.022851	-80.556383	Spraying	Well
Sumter	33.71947	-80.489412	Spraying	Well
Sumter	33.817789	-80.283635	Spraying	Well
Kershaw	34.237465	-80.558596	Spraying	Well
Kershaw	34.18511	-80.513853	Spraying	Well

Kershaw	34.113439	-80.579022	Spraying	Well
Kershaw	34.082382	-80.584537	Spraying	Well
Georgetown	33.640821	-79.289119	Spraying	Well
Georgetown	33.69018	-79.254224	Spraying	Well
Georgetown	33.592785	-79.398716	Spraying	Well
Georgetown	33.592785	-79.398716	Spraying	G Co Water
Charleston	32.856753	-79.819071	Spraying	Well
Charleston	32.719988	-80.329482	Spraying	Well
Charleston	32.719988	-80.329482	Spraying	Well
Charleston	32.773127	-80.262365	Spraying	Pond
Charleston	32.784006	-80.158832	Spraying	Well
Charleston	32.792995	-80.067011	Spraying	City
Orangeburg	33.384952	-80.514246	Spraying	Well
Orangeburg	33.234666	-80.697616	Spraying	Well
Orangeburg	33.443153	-81.015164	Spraying	Well
Orangeburg	33.475829	-81.039872	Spraying	Well
Orangeburg	33.652485	-81.112098	Spraying	Well
Orangeburg	33.484527	-80.689508	Spraying	Well
Dorchester	33.22627	-80.484114	Spraying	Well
Dorchester	33.113064	-80.616473	Spraying	Well
Dorchester	33.144745	-80.636878	Spraying	Well
Beaufort	32.362316	-80.601199	Spraying	Well
Beaufort	32.340838	-80.628239	Spraying	Well
Beaufort	32.348069	-80.611714	Spraying	Well
Beaufort	32.299344	-80.636194	Spraying	Pond
Beaufort	32.410826	-80.512723	Spraying	Well
Beaufort	32.399514	-80.569587	Spraying	Well
Beaufort	32.441537	-80.542305	Spraying	Well
Allendale	33.101668	-81.22528	Spraying	Well
Allendale	33.05582	-81.31357	Spraying	Well
Allendale	32.98843	-81.2923	Spraying	Well
Hampton	32.81395	81.24507	Spraying	Well
Hampton	32.68	-81.24412	Spraying	Well
Bamberg	33.31455	-81.0631	Spraying	Well
Bamberg	33.36817	-81.18873	Spraying	Well
Bamberg	33.14058	-81.24502	Spraying	Well
Barnwell	33.38375	-81.29819	Spraying	Well
Barnwell	33.38375	-81.29819	Spraying	Well
Barnwell	33.14145	-81.25718	Spraying	Well
Calhoun	33.6420324	-80.6835039	Spraying	Well
Calhoun	33.6223506	-80.6809581	Spraying	Well
Calhoun	33.620873	-80.6719426	Spraying	Well
Calhoun	33.5820633	-80.6253905	Spraying	Well
Calhoun	33.7072391	-80.6382215	Spraying	Well
Calhoun	33.6952147	-80.6854867	Spraying	Well
Calhoun	33.6927638	-80.7652456	Spraying	Well
Calhoun	33.6071785	-80.7396734	Spraying	Well

Richland	33.8482428	-80.7087475	Spraying	Well
Richland	33.905407	-80.75042	Spraying	Well
Richland	33.8154421	-80.6514334	Spraying	Well

Well Depth (if known)

85'
120'
105'
125'

n/a
120'
120'
n/a
120'

N/A
300'
130'
Deep

175'
65'

275'
N/A
780'
50'
100'
110'

110'

220'
161'
40'

125'
260'
40'

500'

N/A

20'
586'

180'
300'
30'
120'
100'

300'
25'

125'

200'
200'
225'
300'
250'?
120'
?
130'

?
300'

Sample ID	P	K	Ca	Mg	Zn	Cu	NO3-N	Mn
1A	<0.02	0.27	40.03	0.79	<0.01	<0.01	0	<0.01
1B	<0.02	<0.1	0.9	<0.01	0.04	<0.01	0	<0.01
1C	<0.02	5.61	8.76	4.77	0.07	<0.01	16	0.25
2A	<0.02	<0.1	1.47	0.46	<0.01	<0.01	2	<0.01
2B	<0.02	<0.1	0.23	0.26	<0.01	<0.01	1	<0.01
2C	<0.02	<0.1	9.13	0.2	<0.01	<0.01	2	<0.01
3A	<0.02	0.35	2.57	2.12	<0.01	<0.01	5	<0.01
3B	<0.02	1.12	26.19	0.39	<0.01	<0.01	0	<0.01
3C	<0.02	1.59	1.11	0.1	<0.01	<0.01	0	<0.01
3D	<0.02	1.33	1.97	<0.01	<0.01	<0.01	0	<0.01
3E	<0.02	0.63	16.25	0.62	<0.01	<0.01	1	<0.01
3F	<0.02	0.76	1.52	0.11	0.01	<0.01	0	<0.01
4A	0.95	0.67	14.38	0.51	<0.01	0.08	0	0.01
4B	<0.02	3.73	3.66	0.73	<0.01	0.11	0	<0.01
4C	<0.02	3.73	0.08	<0.01	<0.01	0.12	0	<0.01
5A	<0.02	1.04	39.93	0.66	<0.01	0.17	0	<0.01
5B	<0.02	2.33	54.12	4.25	<0.01	<0.01	0	<0.01
5C	<0.02	1	1.5	<0.01	<0.01	0.02	0	<0.01
6A	<0.02	3.35	1.15	<0.01	<0.01	<0.01	0	<0.01
6B	0.03	1.02	37.3	0.93	<0.01	<0.01	0	<0.01
6C	<0.02	5.19	11.22	2.39	<0.01	<0.01	0	<0.01
6D	<0.02	2.2	38.84	2.25	<0.01	<0.01	0	0.02
7A	<0.02	1.17	4.76	1.06	<0.01	<0.01	22	<0.01
7B	1.94	4.08	0.6	0.35	<0.01	<0.01	0	<0.01
7C	1.3	9.88	4.87	2.81	<0.01	<0.01	0	<0.01
7D	0.15	2.74	2.23	0.47	<0.01	<0.01	0	<0.01
8A	0.04	1.06	92.18	3.1	<0.01	<0.01	0	0.04
8B	0.07	1.96	32.03	3.01	<0.01	<0.01	0	0.05
8C	<0.02	7.32	2.28	1.35	<0.01	<0.01	2	<0.01
8D	0.03	2.21	73.78	3.46	<0.01	<0.01	0	0.03
8E	0.03	10.59	3.19	1.56	<0.01	<0.01	0	<0.01
8F	0.06	2.15	71.37	3.53	<0.01	<0.01	0	<0.00
8G	<0.02	20.24	72.46	43.48	<0.01	<0.01	0	<0.01
8H	<0.02	2.57	17.72	2.28	<0.00	<0.01	0	<0.00
9A	<0.02	2.7	3.02	0.62	<0.01	<0.01	0	0.01
9B	0.04	2.42	5.11	1.37	<0.01	<0.01	0	0.11
9C	2.32	3.08	0.11	0.06	<0.01	<0.01	0	<0.01
Sample ID	P	K	Ca	Mg	Zn	Cu	NO3-N	Mn
10A	0.17	3.57	15.64	4.63	<0.01	<0.01	0	0.03
10B	0.04	0.73	27.4	0.76	0.01	<0.01	0	<0.01
10C	0.02	1.25	10.95	1.24	0.04	<0.01	0	0.05
10D	<0.02	3.46	3.68	1.8	<0.01	<0.01	7	0.09
11A	0.22	4.26	6.94	3.84	<0.01	<0.01	0	0.02
11B	<0.02	1.38	0.14	0.99	<0.01	<0.01	2	<0.01

11C	<0.02	6.62	7.82	7.64	<0.01	<0.01	17	0.2
11D	<0.02	9.18	14.72	4.18	<0.01	<0.01	0	0.01
12A	<0.02	0.32	2.47	2.94	0.03	<0.01	5	<0.01
12B	<0.02	2.03	9.37	3.81	0.09	0.02	12	0.03
12C	<0.02	2.06	0.97	4.34	0	<0.01	7	<0.01
12D	<0.02	0.2	0.32	0.27	0	<0.01	0	<0.01
13A	<0.02	<0.02	6.36	0	<0.01	<0.01	0	<0.01
13B	<0.02	4.82	0.92	0.37	<0.01	<0.01	0	<0.01
13C	<0.02	3.15	28.44	8.18	<0.01	<0.01	10	<0.01
13D	<0.02	1.49	0.72	<0.01	<0.01	<0.01	0	<0.01
13E	<0.02	5.64	20.4	4.01	<0.01	<0.00	0	<0.01
14A	<0.02	12.93	3.18	4.02	<0.01	<0.01	0	<0.01
14B	0.2	0.79	13.91	0.93	0.07	<0.01	0	0.02
14C	<0.02	16.61	4.47	3.98	<0.01	<0.01	0	<0.01
14D	0.06	0.8	29.09	2.21	<0.01	<0.01	0	0.04
14E	0.05	1.59	47.23	4.03	<0.01	<0.01	0	0.03
14F	0.3	1.99	21.05	2.11	<0.01	<0.01	1	<0.01
Sample ID	P	K	Ca	Mg	Zn	Cu	NO3-N	Mn
	ppm							
15A	<0.02	13.98	22.73	10.21	<0.01	<0.01	0	<0.01
15B	<0.02	0.36	51.95	1.1	<0.01	<0.01	0	<0.01
15C	<0.02	2.29	31.31	1.59	<0.01	<0.01	0	<0.01
15D	<0.02	1.06	36.08	0.76	<0.01	<0.01	0	<0.01
15E	<0.02	0.25	1.85	1.08	<0.01	<0.01	3	<0.01
15F	<0.02	3.31	42.69	2.64	<0.01	<0.01	0	<0.01
16B	<0.02	0.92	58.06	2.38	<0.01	<0.01	0	<0.01
16C	<0.02	3.23	25.2	9.57	<0.01	<0.01	0	<0.01
16D	<0.02	1.85	90.93	6.99	<0.01	<0.01	22	0.02
17A	<0.02	3.31	47.79	3.04	0.5	<0.01	1	0.12
17B	<0.02	0.25	72.69	3.79	<0.01	<0.01	0	<0.01
17C	<0.02	0.11	68.47	4.37	<0.01	<0.01	0	<0.01
17D	<0.02	10.68	87.61	43.64	0.02	<0.01	0	<0.01
17E	<0.02	0.53	67.23	3.87	0.02	<0.01	0	<0.01
17F	<0.02	1.32	70.83	4.13	0.01	<0.01	0	0.02
17G	<0.02	1.03	50.83	2.92	<0.01	<0.01	0	<0.01
18A	<0.02	1.3	0	1.44	<0.01	<0.01	0	<0.01
18B	0.03	0.69	32.6	0.58	0.02	<0.01	0	<0.01
18C	<0.02	1.37	49.25	1	0.03	<0.01	0	<0.01
19A	<0.02	1.72	39.8	2.02	0.04	<0.01	0	0.02
19B	0.04	1.58	33.28	1.38	0.03	<0.01	0	<0.01
Sample ID	P	K	Ca	Mg	Zn	Cu	NO3-N	Mn
	ppm							
20A	<0.02	1.25	31.63	0.93	0.05	<0.01	0	<0.01
20B	<0.02	0.69	41.66	1.07	0.04	<0.01	0	<0.01
20C	0.04	1.44	68.47	8.78	0.06	<0.01	0	0.02
21A	<0.02	0.11	0.18	0.22	<0.01	<0.01	1	<0.01
21B	<0.02	1.23	39.98	0.79	0.04	<0.01	0	<0.01
21C	<0.02	0.43	26.48	0.81	0.04	<0.01	0	<0.01

22A	0.08	5.11	10.42	0.94	<0.00	<0.01	0	0.02
22B	0.08	5.7	10.39	1.65	<0.00	<0.01	0	0.02
22C	<0.02	2.45	5.49	3.81	<0.00	<0.01	8	0.01
22D	<0.02	2.88	0	1.83	1.57	<0.01	0	0.05
22E	<0.02	5.45	0	7.37	0.61	<0.01	14	0.06
22F	<0.02	0.72	0.46	0.49	<0.00	<0.01	1	<0.01
22G	<0.02	1.39	3.97	4.42	<0.00	<0.01	7	0.05
22H	<0.02	0.84	0	1.35	<0.00	<0.01	0	<0.01
23A	<0.02	1.61	1.49	1.57	<0.00	<0.01	1	<0.01
23B	<0.02	0.34	1.05	0.94	<0.00	<0.01	2	<0.01
23C	<0.02	1.82	0.35	0.32	<0.00	<0.01	2	<0.01

Nutrients								
Fe	S	B	Na	Cl	Al	As	Cd	Cr
ppm								
0.56	0.49	<0.01	2.67	3.58	0.08	<0.01	<0.00	<0.01
0.01	1.63	<0.01	1.86	2.8	0.03	<0.01	<0.00	<0.01
<0.01	<0.02	<0.01	4.54	8.37	0.33	<0.01	<0.00	<0.01
<0.01	0.73	<0.01	1.05	1.76	<0.03	<0.01	<0.00	<0.01
<0.01	<0.02	<0.01	3.76	7.72	0.03	<0.01	<0.00	<0.01
<0.01	<0.02	<0.01	1.48	2.31	<0.03	<0.01	<0.00	<0.01
<0.02	<0.02	<0.01	6.61	9.92	0.1	<0.01	<0.00	<0.01
<0.01	2.05	<0.01	4.67	5.85	0.05	<0.02	<0.00	<0.01
0.25	1.27	<0.01	2.94	2.4	0.04	<0.01	<0.00	<0.01
0.14	1.44	<0.01	2.34	2.4	0.04	<0.01	<0.00	<0.01
<0.01	1.97	<0.01	4.27	8.21	0.05	<0.01	<0.00	<0.01
<0.01	1.71	<0.01	1.72	2.29	<0.03	<0.01	<0.00	<0.01
1	10.07	<0.01	6.86	9.85	0.12	<0.01	<0.00	<0.01
0.36	22.85	2.81	280.7	173.19	0.14	<0.01	<0.00	<0.01
<0.01	2.46	0.1	73.89	5.35	0.1	<0.01	<0.00	<0.01
0.03	1.73	<0.01	5.96	5.79	0.1	<0.01	<0.00	<0.01
0.14	0.14	<0.01	7.96	6.49	0.14	<0.01	<0.00	<0.01
<0.01	1.93	0.03	37.57	3.09	0.05	<0.01	<0.00	<0.01
<0.01	2.81	0.01	25.51	1.83	0.12	<0.01	<0.00	<0.01
<0.01	0.18	0.02	3.25	3.43	0.05	<0.01	<0.00	<0.01
<0.01	1.85	0.06	12.52	1.09	0.04	<0.01	<0.00	<0.01
0.16	2.72	0.02	3.45	2.71	0.08	<0.01	<0.00	<0.01
<0.01	0.05	0.01	8.3	15.06	<0.03	<0.01	<0.00	<0.01
0.08	<0.00	0.14	46.82	4.06	0.05	<0.01	<0.00	<0.01
<0.01	4.92	1.99	195.9	90.01	<0.03	<0.01	<0.00	<0.01
0.02	0.22	2.29	167.4	20.99	<0.03	<0.01	<0.00	<0.01
0.53	24.6	0.03	20.26	37.79	0.11	<0.01	<0.00	<0.01
0.01	<0.00	0.03	10.61	4.47	0.1	<0.01	<0.00	<0.01
<0.01	0.5	1.14	104.7	10.85	<0.03	<0.01	<0.00	<0.01
0.76	<0.00	0.02	9.66	12.07	0.2	<0.01	<0.00	<0.01
<0.01	2.02	2.71	267.4	146.79	<0.03	<0.01	<0.00	<0.01
0.03	33.84	<0.03	7.34	11.72	<0.03	<0.01	<0.00	<0.01
0.02	40.33	0.2	394.7	727.24	<0.03	<0.01	<0.00	<0.01
0.03	8.58	0.04	10.86	14.79	<0.03	<0.01	<0.00	<0.01
0.06	1.09	0.03	7.72	0.85	<0.03	<0.01	<0.00	<0.01
0.4	3.44	0.02	4.5	5.4	<0.03	<0.01	<0.00	<0.01
0.01	1.3	0.14	40.24	6.79	0.03	<0.01	<0.00	<0.01
Fe	S	B	Na	Cl	Al	As	Cd	Cr
ppm								
1.72	1.96	0.03	2.48	1.62	0.06	<0.01	<0.00	<0.01
0.15	2.3	0.02	2.31	4.13	0.06	<0.01	<0.00	<0.01
0.23	6.85	0.02	5.87	9.43	<0.03	<0.01	<0.00	<0.01
<0.01	0.04	0.02	2.78	6.5	0.34	<0.01	<0.00	<0.01
1.47	2.75	0.03	2.44	0.71	0.04	<0.01	<0.00	<0.01
<0.01	<0.00	0.02	3.52	4.6	<0.03	<0.01	<0.00	<0.01

<0.01	0	0.02	11.92	22.12	0.13	<0.01	<0.00	<0.01
<0.01	2.08	0.05	6.18	1.16	0.06	<0.01	<0.00	<0.01
0.02	0	0.01	2.37	5.59	0.05	<0.01	<0.00	<0.01
<0.01	0.5	0.02	2.26	8.27	0.68	<0.01	<0.00	<0.01
<0.01	0	0.01	5.54	8.78	0.17	<0.01	<0.00	<0.01
0.06	1.97	0.01	1.59	1.71	0.17	<0.01	<0.00	<0.01
0.03	<0.02	2.08	221.5	19.52	0.07	<0.01	<0.00	<0.01
<0.01	<0.02	2.4	231.2	17.13	0.04	<0.01	<0.00	<0.01
<0.01	24.89	0.79	90.91	19.01	0.2	<0.01	<0.00	<0.01
<0.01	<0.02	1.93	216.2	26.77	0.05	<0.01	<0.00	<0.01
0.07	6.59	0.04	22.78	39.54	<0.03	<0.01	<0.00	<0.01
<0.01	16.49	1	317	302.47	0.08	<0.02	<0.00	<0.01
2.47	2.84	0.03	6.96	9.04	0.05	<0.02	<0.00	<0.01
<0.01	26.45	1.54	446.7	460.23	0.13	<0.02	<0.00	<0.01
0.04	0.07	0.02	5.03	18.89	0.09	<0.02	<0.00	<0.01
0.13	0.07	0.05	8.15	14.2	0.14	<0.02	<0.00	<0.01
<0.01	8.63	0.04	7.92	21.92	0.04	<0.02	<0.00	<0.01
Fe	S	B	Na	Cl	Al	As	Cd	Cr

<0.01	1.42	0.03	6.17	7.76	0.13	<0.02	<0.00	<0.01
0.16	0.49	0.02	2.9	8.58	0.09	<0.02	<0.00	<0.01
<0.01	3.4	0.01	2.63	9.63	0.13	<0.02	<0.00	<0.01
<0.01	2.85	0.02	1.43	5.89	0.1	<0.02	<0.00	<0.01
<0.01	0.07	0.01	2.11	4.33	<0.03	<0.02	<0.00	<0.01
0.29	1.24	0.02	2.95	7.37	0.14	<0.02	<0.00	<0.01
0.03	0.66	0.02	3.97	10.92	0.09	<0.02	<0.00	<0.01
<0.01	1.38	0.03	4.76	7.63	0.1	<0.02	<0.00	<0.01
0.02	19.4	0.02	8.84	20.07	0.1	<0.02	<0.00	<0.01
0.08	7.54	0.05	9.3	17.6	0.08	<0.02	<0.00	<0.01
<0.01	<0.02	0.02	12.72	19.6	0.14	<0.02	<0.00	<0.01
<0.01	0.19	0.02	11.73	19.6	0.12	<0.02	<0.00	<0.01
0.02	31.21	0.13	384.9	723.64	0.1	<0.02	<0.00	<0.01
0.37	<0.02	0.06	24.2	29.34	0.17	<0.02	<0.00	<0.01
0.11	<0.02	0.03	13.88	21.04	0.2	<0.02	<0.00	<0.01
0.01	0.5	0.03	15.47	22.94	0.14	<0.02	<0.00	<0.01
0.02	1.6	<0.03	1.95	3.66	<0.03	<0.02	<0.00	<0.01
<0.01	0.26	0.01	1.98	3.77	0.08	<0.02	<0.00	<0.01
0.01	3.07	0.01	2.15	4.56	0.14	<0.02	<0.00	<0.01
0.03	1.61	0.01	4.21	4.41	0.13	<0.02	<0.00	<0.01
0.06	2.03	0.05	19.23	5.18	0.13	<0.02	<0.00	<0.01
Fe	S	B	Na	Cl	Al	As	Cd	Cr

<0.01	0.24	0.01	2.17	3.83	0.12	<0.02	<0.00	<0.01
0.02	0.4	0.01	1.5	3.23	0.11	<0.02	<0.00	<0.01
0.01	0.08	0.02	5.25	8.32	0.18	<0.02	<0.00	<0.01
<0.01	0.03	0.01	1.43	2.1	0.04	<0.02	<0.00	<0.01
<0.01	0.28	<0.01	1.14	2.8	0.08	<0.02	<0.00	<0.01
<0.01	0.2	0.01	1.65	3.76	0.07	<0.02	<0.00	<0.01

0.44	3.05	<0.03	1.64	1.61	<0.03	<0.02	<0.00	<0.01
0.43	3.21	<0.03	1.64	1.55	<0.03	<0.02	<0.00	<0.01
0.06	0.11	<0.03	5.94	10.3	<0.03	<0.02	<0.00	<0.01
0.2	0.69	<0.03	4.38	4.06	<0.03	<0.02	<0.00	<0.01
0.04	0.7	<0.03	1.76	17.41	0.45	<0.02	<0.00	<0.01
0.13	0.19	<0.03	2.54	3.18	<0.03	<0.02	<0.00	<0.01
0.05	0.03	<0.03	2.22	4.61	<0.03	<0.02	<0.00	<0.01
<0.01	0.18	<0.03	2.07	4.52	<0.03	<0.02	<0.00	<0.01
0.65	0.45	<0.03	4.37	5.55	<0.03	<0.02	<0.00	<0.01
<0.01	0.07	<0.03	2.38	2.53	<0.03	<0.02	<0.00	<0.01
<0.01	0.09	<0.03	3.99	4.34	<0.03	<0.02	<0.00	<0.01

Mo	Ni	Pb	Se	TDS	EC	pH	adjRNA	HCO3
					mmhos/cm			
<0.03	<0.01	<0.03	<0.02	141	0.22	7	--	2.1
<0.03	<0.01	<0.03	<0.02	19	0.03	5.3	--	0.1
<0.03	<0.01	<0.03	<0.02	122	0.19	4.3	--	0.2
<0.03	<0.01	<0.03	<0.02	26	0.04	5.2	--	0.1
<0.03	<0.01	<0.03	<0.02	26	0.04	5	--	0.1
<0.03	<0.01	<0.03	<0.02	45	0.07	7	--	0.5
<0.03	<0.01	<0.03	<0.02	58	0.09	4.9	--	0
<0.03	<0.01	<0.03	<0.02	102	0.16	7.2	--	1.4
<0.03	<0.01	<0.03	<0.02	26	0.04	5.9	--	0.2
<0.03	<0.01	<0.03	<0.02	26	0.04	5.8	--	0.3
<0.03	<0.01	<0.03	<0.02	77	0.12	6.7	--	0.8
<0.03	<0.01	<0.03	<0.02	19	0.03	4.8	--	0
<0.03	<0.01	<0.03	<0.02	77	0.12	5.7	--	0.1
<0.03	<0.01	<0.03	<0.02	787	1.23	8.2	--	7.4
<0.03	<0.01	<0.03	<0.02	192	0.3	9.1	--	2.4
<0.03	<0.01	<0.03	<0.02	147	0.23	7.7	--	2.3
<0.03	<0.01	<0.03	<0.02	198	0.31	7.6	--	3.2
<0.03	<0.01	<0.03	<0.02	109	0.17	8.8	--	1.3
<0.03	<0.01	<0.03	<0.02	83	0.13	7.8	--	1.2
<0.03	<0.01	<0.03	<0.02	134	0.21	7.1	--	2
<0.03	<0.01	<0.03	<0.02	96	0.15	8.2	--	1.5
<0.03	<0.01	<0.03	<0.02	147	0.23	7.7	--	2.5
<0.03	<0.01	<0.03	<0.02	64	0.1	5.5	--	0.1
<0.03	<0.01	<0.03	<0.02	147	0.23	7.7	--	2.2
<0.03	<0.01	<0.03	<0.02	646	1.01	7.8	--	8.6
<0.03	<0.01	<0.03	<0.02	499	0.78	8.4	--	8.1
<0.03	<0.01	<0.03	<0.02	371	0.58	7.5	--	3.7
<0.03	<0.01	<0.03	<0.02	154	0.24	7.8	--	2.5
<0.03	<0.01	<0.03	<0.02	326	0.51	8.5	--	5.2
<0.03	<0.01	<0.03	<0.02	275	0.43	7.2	--	4.7
<0.03	<0.01	<0.03	<0.02	762	1.19	8	--	0.2
<0.03	<0.01	<0.03	<0.02	256	0.4	7.4	--	1.8
<0.03	<0.01	<0.03	<0.02	1798	2.81	7.4	--	3.1
<0.03	<0.01	<0.03	<0.02	115	0.18	6.7	--	0.8
<0.03	<0.01	<0.03	<0.02	45	0.07	6.3	--	0.6
<0.03	<0.01	<0.03	<0.02	51	0.08	6.1	--	0.3
<0.03	<0.01	<0.03	<0.02	128	0.2	7.6	--	1.9
Mo	Ni	Pb	Se	TDS	EC	pH	adjRNA	HCO3
				ppm	mmhos/cm			
<0.03	<0.01	<0.03	<0.02	90	0.14	7	--	1.4
<0.03	<0.01	<0.03	<0.02	102	0.16	6.9	--	1.5
<0.03	<0.01	<0.03	<0.02	77	0.12	6.2	--	0.3
<0.03	<0.01	<0.03	<0.02	58	0.09	4.7	--	0
<0.03	<0.01	<0.03	<0.02	58	0.09	6.7	--	0.8
<0.03	<0.01	<0.03	<0.02	32	0.05	5.1	--	0

<0.03	<0.01	<0.03	<0.02	147	0.23	5	--	0
<0.03	<0.01	<0.03	<0.02	109	0.17	7.6	--	1.7
<0.03	<0.01	<0.03	<0.02	51	0.08	4.9	--	0
<0.03	<0.01	<0.03	<0.02	96	0.15	4.5	--	0.2
<0.03	<0.01	<0.03	<0.02	64	0.1	5	--	0
<0.03	<0.01	<0.03	<0.02	26	0.04	4.6	--	0
<0.03	<0.01	<0.03	<0.02	576	0.9	8.5	--	7.8
<0.03	<0.01	<0.03	<0.02	595	0.93	8.4	--	10.9
<0.03	<0.01	<0.03	<0.02	378	0.59	6.9	--	3.5
<0.03	<0.01	<0.03	<0.02	550	0.86	8.5	--	8.7
<0.03	<0.01	<0.03	<0.02	173	0.27	6.8	--	1.1
<0.03	<0.01	<0.03	<0.02	1005	1.57	7.9	--	6.9
<0.03	<0.01	<0.03	<0.02	83	0.13	6.7	--	0.9
<0.03	<0.01	<0.03	<0.02	1638	2.56	8.2	--	11.1
<0.03	<0.01	<0.03	<0.02	134	0.21	7.5	--	1.6
<0.03	<0.01	<0.03	<0.02	205	0.32	7.1	--	3.1
<0.03	<0.01	<0.03	<0.02	128	0.2	6.9	--	0.6
Mo	Ni	Pb	Se	TDS	EC	pH	adjRNA	HCO3
				ppm	mmhos/cm		meq/L	
<0.03	<0.01	<0.03	<0.02	173	0.27	7.7	--	2.6
<0.03	<0.01	<0.03	<0.02	186	0.29	7.6	--	3
<0.03	<0.01	<0.03	<0.02	128	0.2	7.5	--	1.6
<0.03	<0.01	<0.03	<0.02	134	0.21	7.8	--	1.9
<0.03	<0.01	<0.03	<0.02	32	0.05	5.4	--	0.1
<0.03	<0.01	<0.03	<0.02	166	0.26	7.5	--	2.8
<0.03	<0.01	<0.03	<0.02	211	0.33	7.5	--	3.6
<0.03	<0.01	<0.03	<0.02	154	0.24	7.9	--	2.4
<0.03	<0.01	<0.03	<0.02	378	0.59	7.5	--	2.8
<0.03	<0.01	<0.03	<0.02	205	0.32	6.8	--	2.1
<0.03	<0.01	<0.03	<0.02	275	0.43	7.7	--	4.1
<0.03	<0.01	<0.03	<0.02	262	0.41	7.4	--	4.2
<0.03	<0.01	<0.03	<0.02	1792	2.8	7.6	--	2.9
<0.03	<0.01	<0.03	<0.02	307	0.48	7.5	--	4.1
<0.03	<0.01	<0.03	<0.02	275	0.43	7.5	--	4.1
<0.03	<0.01	<0.03	<0.02	211	0.33	7.6	--	2.8
<0.03	<0.01	<0.03	<0.02	128	0.2	7.4	--	2.1
<0.03	<0.01	<0.03	<0.02	122	0.19	7.3	--	1.7
<0.03	<0.01	<0.03	<0.02	173	0.27	7.4	--	2.4
<0.03	<0.01	<0.03	<0.02	154	0.24	7.4	--	2.2
<0.03	<0.01	<0.03	<0.02	179	0.28	7.4	--	2.4
Mo	Ni	Pb	Se	TDS	EC	pH	adjRNA	HCO3
				ppm	mmhos/cm		meq/L	
<0.03	<0.01	<0.03	<0.02	115	0.18	7.4	--	1.9
<0.03	<0.01	<0.03	<0.02	147	0.23	7.4	--	2.3
<0.03	<0.01	<0.03	<0.02	269	0.42	7.2	--	4.4
<0.03	<0.01	<0.03	<0.02	19	0.03	5.1	--	0.1
<0.03	<0.01	<0.03	<0.02	141	0.22	7.3	--	2.2
<0.03	<0.01	<0.03	<0.02	102	0.16	7.4	--	1.5

<0.03	<0.01	<0.03	<0.02	58	0.09	6.2	--	0.6
<0.03	<0.01	<0.03	<0.02	58	0.09	6.4	--	0.7
<0.03	<0.01	<0.03	<0.02	70	0.11	5	--	0.1
<0.03	<0.01	<0.03	<0.02	96	0.15	6.5	--	1.5
<0.03	<0.01	<0.03	<0.02	122	0.19	4.4	--	0.2
<0.03	<0.01	<0.03	<0.02	19	0.03	5.3	--	0.1
<0.03	<0.01	<0.03	<0.02	58	0.09	4.4	--	0.2
<0.03	<0.01	<0.03	<0.02	147	0.23	7	--	3
<0.03	<0.01	<0.03	<0.02	38	0.06	5.6	--	0.3
<0.03	<0.01	<0.03	<0.02	26	0.04	4.6	--	0
<0.03	<0.01	<0.03	<0.02	26	0.04	5.2	--	0.1

CO3	RSC	SAR
meq/L		
0	0.04	0.11
0	0.05	0.54
0	-0.63	0.31
0	-0.01	0.19
0	0.07	1.28
0	0.03	0.13
0	-0.3	0.74
0	0.06	0.25
0	0.14	0.72
0	0.2	0.46
0	-0.06	0.28
0	-0.08	0.36
0	-0.66	0.48
0	7.16	35.06
0.8	3.2	65.5
0	0.25	0.26
0	0.15	0.28
0.3	1.52	8.4
0	1.14	6.5
0	0.06	0.14
0	0.74	0.89
0	0.38	0.15
0	-0.22	0.9
0	2.14	11.88
0	8.13	17.51
0.2	8.15	26.6
0	-1.16	0.57
0	0.65	0.48
0.2	5.18	13.58
0	0.73	0.3
0	-0.09	30.68
0	-2.05	0.23
0	-4.09	9.05
0	-0.27	0.65
0	0.4	1.06
0	-0.07	0.46
0	1.89	24.24
CO3	RSC	SAR
meq/L		
0	0.24	0.14
0	0.07	0.12
0	-0.35	0.45
0	-0.33	0.3
0	0.14	0.18
0	-0.09	0.73

0	-1.02	0.73
0	0.62	0.37
0	-0.37	0.24
0	-0.58	0.16
0	-0.41	0.54
0	-0.04	0.5
1.6	9.4	475.01
0.2	11.02	51.48
0	1.41	3.87
0.4	9.06	69.4
0	-0.25	1.21
0	6.41	27.87
0	0.13	0.49
0	10.55	37.04
0	-0.3	0.24
0	0.41	0.31
0	-0.62	0.44
CO3	RSC	SAR

0	0.63	0.27
0	0.32	0.11
0	-0.09	0.12
0	0.04	0.06
0	-0.08	0.3
0	0.45	0.12
0	0.51	0.14
0	0.35	0.2
0	-2.31	0.24
0	-0.53	0.35
0	0.16	0.39
0	0.42	0.37
0	-5.06	8.39
0	0.43	0.78
0	0.23	0.43
0	0.02	0.57
0	1.98	0.35
0	0.03	0.09
0	-0.14	0.08
0	0.05	0.18
0	0.63	0.89
CO3	RSC	SAR

0	0.25	0.1
0	0.13	0.06
0	0.26	0.16
0	0.07	0.53
0	0.17	0.05
0	0.11	0.09

0	0	0.13
0	0.05	0.12
0	-0.49	0.48
0	1.35	0.69
0	-0.41	0.14
0	0.04	0.62
0	-0.36	0.18
0	2.89	0.38
0	0.1	0.6
0	-0.13	0.41
0	0.06	1.17