Appendix F:

Soil Sample Results

University of Delaware Soil Testing Program
Analysis Report for Data Set: O4WEL001

UDSTP Lab#	U/D BAG #	Sample ID	pH	Buffer pH	OM (%) by LOI	M3-P (mg/kg)	M3-K (mg/kg)	M3-Ca (mg/kg)	M3-Mg (mg/kg)	M3-Mn (mg/kg)	M3-Zn (mg/kg)	M3-Cu (mg/kg)	M3-Fe (mg/kg)	M3-B (mg/kg)	M3-S (mg/kg)	M3-Al (mg/kg)
12386	522060	229	8.0	7.80	1.8	347.93	192.95	1534.75	930.87	145.32	35.51	6.02	393.71	4.64	28.76	695.41
12387	522061	237	8.3	7.83	1.6	41.53	77.01	4070.91	770.76	75.83	32.62	3.02	252.27	3.18	52.13	472.37
12388	522062	236	8.3	7.87	1.6	56.70	100.42	5069.29	1152.30	78.78	22.51	5.60	200.85	3.80	51.15	317.08
12389	522063	226	8.2	7.84	1.8	49.61	119.81	4628.82	774.03	102.83	11.82	4.94	185.87	3.34	62.71	406.37
12390	522064	243	8.1	7.85	3.2	131.10	119.13	9162.70	2154.66	10.93	471.82	5.79	135.38	4.87	79.50	779.05
12391	522065	1	8.3	7.85	1.2	16.27	76.48	1484.61	1282.77	7.01	9.91	1.43	309.96	3.73	32.08	603.68
12392	522066	6	8.4	7.87	1.3	12.37	65.29	10831.22	3085.40	16.65	13.81	2.99	283.84	5.19	84.02	1224.21
12393	522067	5	8.4	7.87	0.9	6.44	63.80	6962.04	2389.90	13.41	10.16	2.79	300.51	4.68	53.57	924.06
12394	522068	30	8.1	7.81	1.3	1.89	80.01	852.25	1136.27	8.25	25.85	1.27	601.14	4.66	25.66	712.94
12395	522069	42	8.0	7.74	1.3	2.30	163.72	512.46	1087.04	4.72	1.93	0.76	459.01	3.94	20.64	809.88
12396	522070	62	8.1	7.78	1.3	1.42	97.06	482.61	1285.34	4.78	3.12	0.90	282.82	3.65	32.11	760.87
12397	522071	52	8.0	7.78	1.2	15.28	102.93	564.63	1010.91	12.86	3.68	1.51	278.90	3.02	14.78	750.06
12398	522072	51	8.2	7.79	1.0	1.55	101.39	421.57	1072.58	3.62	4.46	0.61	479.88	3.79	20.17	782.87
12399	522073	44	7.9	7.81	0.9	2.09	74.21	542.83	1132.93	3.79	2.54	0.65	463.58	3.95	28.87	742.47
12400	522074	26	8.4	7.84	0.7	2.39	79.50	1182.40	1045.77	3.99	3.58	0.87	398.09	3.44	17.00	626.95
12401	522075	15	8.1	7.80	1.4	0.53	79.46	690.11	1451.36	2.63	1.21	1.18	392.87	4.23	22.10	804.08
12402	522076	14	8.1	7.79	1.2	1.41	76.62	491.19	1206.90	5.34	3.34	1.38	414.42	3.96	24.38	747.60
12403	522077	8	8.3	7.83	1.1	1.56	162.59	5459.37	1815.67	10.59	3.59	1.45	445.40	4.79	78.71	703.07
12404	522078	4	8.4	7.83	2.1	0.01	72.82	1397.03	1058.78	4.72	138.38	35.11	283.98	3.22	23.04	624.10
12405	522079	47	8.2	7.80	2.0	1.80	107.17	567.94	1175.15	6.42	5.40	1.28	393.00	3.98	23.95	739.93
12406	522080	53	8.0	7.79	1.9	2.26	118.13	426.51	1054.42	2.45	5.08	0.87	271.03	3.01	16.86	789.75
12407	522081	34	8.2	7.81	2.1	0.84	101.36	1834.85	1381.38	7.82	4.98	0.96	394.36	3.86	30.80	832.16
12408	522082	31	8.2	7.82	1.8	1.50	79.92	661.13	1035.16	6.59	3.78	0.79	352.44	3.52	22.49	666.45
12409	522083	46	8.0	7.83	2.7	4.31	100.01	705.31	1428.51	112.12	6.99	1.50	292.99	4.25	41.48	924.77
12410	522084	13	8.3	7.85	1.5	8.08	63.59	535.14	775.52	15.39	3.59	1.14	257.84	2.62	16.46	547.69
12411	522085	20	8.3	7.85	1.9	48.86	101.03	1195.51	916.26	43.85	91.21	3.03	399.73	3.67	22.80	575.53
12412	522086	18	8.3	7.84	1.7	2.50	89.03	4431.79	1349.50	15.38	6.29	1.49	466.56	4.26	36.75	567.84
12413	522087	16	8.3	7.82	2.1	2.13	79.77	3247.34	1113.09	30.90	15.19	1.04	445.44	3.89	41.20	590.24
12414	522088	2	8.4	7.85	1.5	7.29	63.41	628.00	892.69	4.84	4.67	1.11	553.09	3.87	16.66	575.99
12415	522090	3	8.3	7.85	1.7	2.13	59.81	1546.86	1038.80	3.47	7.55	1.02	280.51	3.04	23.52	533.13
12416	522091	23	8.2	7.82	1.5	0.58	65.45	357.36	928.64	2.17	1.20	0.58	498.05	3.52	11.49	693.60
12417	522092	230	8.2	7.84	2.7	266.22	195.34	3907.77	993.92	102.98	37.89	5.85	364.04	4.44	41.86	468.87
12418	522093	223	8.3	7.83	2.8	125.27	128.79	3246.34	719.46	118.18	44.38	7.15	386.14	3.67	31.43	541.01
12419	522094	227	8.3	7.83	2.4	175.43	133.70	1786.70	1135.79	65.78	44.27	3.67	513.56	4.50	27.33	686.39
12420	522095	228	8.3	7.81	3.1	263.94	152.11	3115.30	1598.27	91.44	66.74	3.94	483.95	5.08	32.11	764.01
12421	522096	220	8.3	7.80	2.4	46.49	234.50	3760.59	1395.58	44.39	25.56	3.51	266.71	3.96	41.55	667.59
12422	522000	155	8.3	7.90	2.4	84.86	151.35	6020.71	1211.38	144.74	36.52	5.83	247.63	3.67	46.91	495.01
12423	522001	142	8.5	7.91	2.2	53.77	168.92	8293.46	2170.06	108.33	22.71	3.51	239.96	4.56	68.42	600.50
12424	522002	160	8.4	7.92	2.3	152.61	163.77	4742.48	1264.62	189.69	40.22	6.01	484.58	5.30	66.06	393.11
12425	522003	154	8.4	7.91	2.1	196.84	154.72	4943.66	1300.37	144.07	25.36	6.36	431.86	4.63	56.06	381.21
12426	522004	156	8.3	7.87	2.7	94.03	153.88	3070.94	1207.30	172.78	18.41	1.59	422.17	4.68	39.35	572.21
12427	522005	144	8.4	7.87	3.2	61.19	161.98	5082.87	1696.02	208.55	10.09	1.54	579.20	6.06	55.92	699.96

University of Delaware Soil Testing Program
Analysis Report for Data Set: O4WEL001

UDSTP Lab#	U/D BAG #	Sample ID	pH	Buffer pH	OM (%) by LOI	M3-P (mg/kg)	M3-K (mg/kg)	M3-Ca (mg/kg)	M3-Mg (mg/kg)	M3-Mn (mg/kg)	M3-Zn (mg/kg)	M3-Cu (mg/kg)	M3-Fe (mg/kg)	M3-B (mg/kg)	M3-S (mg/kg)	M3-Al (mg/kg)
12428	522006	135	8.6	7.91	2.3	45.72	158.33	5593.36	1681.79	116.55	43.53	3.20	466.57	4.92	36.31	408.45
12429	522007	145	8.5	7.89	2.4	154.20	160.73	4985.01	1310.31	127.21	19.87	8.35	399.81	4.81	49.50	473.81
12430	522008	134	8.5	7.89	2.4	91.90	215.45	1461.34	1607.86	109.59	12.26	3.07	471.16	4.93	26.88	627.67
12431	522009	157	8.4	7.86	2.9	86.21	143.00	4045.62	1270.08	92.42	43.59	1.65	322.31	4.29	42.15	445.20
12432	522010	150	8.7	7.95	3.1	61.28	139.63	6913.73	2188.26	95.62	91.70	4.51	422.82	5.79	61.93	486.28
12433	522011	165	8.5	7.89	2.6	37.48	200.84	2317.02	1588.65	99.92	23.53	2.99	482.19	5.16	41.23	580.01
12434	522012	133	8.7	7.95	2.8	61.05	176.55	8444.11	3071.27	84.02	68.79	4.75	355.68	6.42	82.22	564.91
12435	522013	146	8.4	7.90	2.1	195.33	178.94	5294.89	1475.49	114.32	20.21	7.30	351.05	4.96	50.29	420.32
12436	522014	167	8.4	7.89	2.1	77.17	205.80	3020.49	1327.95	125.63	37.86	5.02	439.18	4.66	34.28	619.25
12437	522015	175	8.5	7.90	2.5	113.74	199.77	4588.66	1268.89	200.83	27.43	11.38	478.43	5.28	45.80	427.64
12438	522016	139	8.8	7.92	2.2	112.45	182.24	7057.52	1688.02	122.86	23.16	5.48	343.47	4.73	53.12	334.20
12439	522017	152	8.5	7.90	1.9	122.46	210.49	2241.71	1147.99	301.72	12.99	4.51	487.52	4.87	28.84	601.70
12440	522018	159	8.4	7.90	2.1	162.05	154.58	3182.23	1284.43	140.25	37.53	5.92	432.17	5.25	50.28	458.74
12441	522019	163	8.4	7.87	2.9	164.92	137.87	5574.88	1208.03	130.71	7.42	3.88	355.08	5.33	48.12	332.94
12442	522020	162	8.3	7.73	2.0	13.12	120.52	1383.22	717.14	8.30	1.22	0.85	300.70	3.59	33.54	854.59
12443	522021	181	8.3	7.86	1.9	74.28	215.97	2204.28	1121.49	190.01	49.01	4.64	427.21	4.76	31.07	707.56
12444	522022	183	8.6	7.91	2.1	94.90	198.22	6282.04	1589.62	124.48	66.35	20.72	394.16	4.80	56.06	430.67
12445	522023	169	8.4	7.87	2.0	67.47	142.85	4115.20	1036.66	75.49	175.62	7.66	252.37	3.66	40.64	416.98
12446	522024	151	8.4	7.84	2.6	26.15	234.37	1792.90	1708.99	87.21	23.22	2.42	512.90	5.36	32.67	643.32
12447	522025	172	8.4	7.88	2.3	53.79	163.66	4265.79	1132.42	225.30	108.38	2.21	477.44	4.85	40.56	577.28
12448	522026	168	8.4	7.89	2.0	111.18	140.98	5242.70	1130.71	108.15	39.03	15.26	397.19	4.10	45.00	364.21
12449	522027	148	8.5	7.85	2.6	119.49	127.60	3819.03	1115.59	168.15	17.21	4.87	443.43	4.82	43.64	754.45
12450	522028	166	8.3	7.84	2.4	38.55	190.92	1377.48	1300.73	157.93	14.93	2.63	472.52	4.71	23.29	637.03
12451	522029	174	8.4	7.88	2.1	173.35	142.08	3267.75	948.53	116.40	55.60	6.47	378.43	4.19	38.04	454.32
12452	522030	158	8.7	7.92	2.1	55.41	134.15	5181.36	1731.26	99.68	21.48	2.84	369.74	4.94	49.72	377.98
12453	522031	171	8.2	7.87	2.6	70.92	113.27	3049.07	800.87	105.81	115.17	1.91	365.19	3.73	37.63	540.30
12454	522032	141	8.7	7.91	1.9	46.51	188.40	6338.47	1974.67	148.94	22.11	2.82	533.08	5.39	52.30	459.39
12455	522033	170	8.3	7.87	2.3	82.31	97.60	3325.34	859.53	152.92	97.34	2.38	278.66	3.50	40.86	588.32
12456	522034	164	8.6	7.92	2.7	51.17	143.75	5799.27	2016.20	93.59	143.99	2.59	406.72	5.44	61.45	339.35
12457	522035	177	8.3	7.87	2.7	77.63	143.27	5067.57	989.46	114.01	11.88	3.12	388.12	4.90	59.93	369.70
12458	522036	180	8.2	7.84	2.0	31.39	184.64	1358.39	1097.35	151.24	25.22	2.73	522.80	4.88	24.13	558.15
12459	522037	161	8.3	7.86	2.2	209.83	168.02	3837.80	1223.66	159.67	21.81	6.27	460.96	5.41	38.95	432.46
12460	522038	149	8.3	7.85	2.5	97.95	109.02	4275.90	859.88	141.30	16.90	9.83	331.41	4.29	39.45	458.60
12461	522039	173	8.2	7.88	1.9	130.14	136.54	3337.54	1016.40	140.86	77.12	6.06	455.43	4.84	44.61	432.32
12462	522040	143	8.3	7.90	3.2	98.00	137.43	4320.75	1897.40	99.43	23.54	2.62	337.14	5.45	42.08	506.63
12463	522041	147	8.5	7.87	2.2	128.90	131.99	4135.79	1190.61	157.81	13.59	5.97	391.76	4.83	32.53	524.43
12464	522042	176	8.3	7.87	2.3	78.30	132.71	5452.90	1247.64	148.03	7.56	3.51	298.70	4.96	55.28	341.80
12465	522051	225	8.3	7.88	1.6	34.72	124.27	4567.44	864.26	74.76	10.71	3.95	112.42	2.71	53.52	267.32
12466	522097	224	8.4	7.89	1.7	51.95	135.80	4895.96	1135.23	100.66	25.73	5.19	194.12	3.85	45.45	414.20
12467	522098	222	8.2	7.82	2.0	91.55	154.18	2663.61	907.71	93.81	36.04	5.89	429.79	4.05	31.38	588.48
12468	522099	219	8.4	7.86	1.8	103.55	175.35	2916.58	1065.79	90.43	24.85	4.43	458.09	4.40	36.24	494.59
12469	522100	221	8.2	7.83	1.8	87.01	200.73	3477.91	1010.37	59.51	20.29	2.63	579.61	4.57	35.61	653.65

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12470	522052	239	8.3	7.92	3.2	64.75	114.38	11575.72	1600.63	17.63	125.90	4.52	159.94	4.28	89.21	150.60
12471	522053	240	8.1	7.90	3.5	80.47	140.88	10180.05	1123.38	20.91	98.54	4.62	149.89	3.61	70.01	109.69
12472	522054	238	8.3	7.88	1.9	41.08	132.03	7433.89	1174.23	71.99	34.23	3.96	143.71	3.63	69.33	222.63
12473	522055	241	7.8	7.84	7.0	90.34	152.90	9182.35	1756.29	30.72	147.88	4.69	309.84	6.41	91.54	323.09
12474	522056	234	8.3	7.81	1.2	58.72	144.21	3408.56	943.02	28.47	17.50	3.05	197.67	2.82	39.81	651.82
12475	522057	233	8.3	7.85	1.7	327.68	214.02	5846.31	1175.45	139.90	51.39	22.12	344.78	4.25	57.66	450.35
12476	522058	232	8.2	7.82	1.4	88.66	248.67	3802.89	1634.74	52.18	19.78	4.76	455.56	4.94	42.29	634.15
12477	522059	231	8.3	7.83	1.6	92.89	239.92	2831.20	1318.63	71.45	12.96	1.82	462.92	4.65	37.25	565.65
12478	522089	10	8.1	7.84	0.8	6.76	103.23	482.42	1053.99	3.54	2.76	0.88	355.93	3.36	21.29	651.59
12479	522101	7	8.3	7.88	1.0	4.50	92.61	8374.21	2339.91	18.03	3.93	1.39	402.19	4.74	64.49	897.23
12480	522102	17	8.3	7.88	0.9	3.40	96.37	4073.37	911.59	22.09	2.92	0.89	558.91	3.87	41.79	436.22
12481	522103	19	8.3	7.83	1.1	1.79	143.14	2104.44	1427.81	9.75	3.57	0.68	475.65	4.31	30.06	816.82
12482	522104	91	8.2	7.85	0.7	1.58	79.93	437.54	1082.80	4.53	1.13	0.55	380.69	3.44	23.02	723.02
12483	522105	92	8.3	7.78	1.0	1.43	141.05	381.17	1249.66	3.43	0.74	0.73	412.16	3.62	15.81	725.48
12484	522106	93	8.3	7.85	0.9	12.87	150.26	401.09	1081.77	6.74	7.40	37.83	548.07	3.95	12.47	640.98
12485	522107	96	8.2	7.78	1.1	6.39	162.88	489.72	1021.71	17.45	1.65	2.01	327.53	3.17	11.42	685.21
12486	522108	97	8.2	7.83	0.8	2.25	105.49	363.09	913.06	5.84	0.49	0.71	373.22	3.12	11.23	658.19
12487	522109	78	8.3	7.84	0.9	15.15	161.21	537.61	1191.97	6.52	2.49	0.73	534.66	3.99	16.23	736.56
12488	522110	85	8.1	7.85	1.0	4.68	77.10	325.97	854.57	7.05	0.62	0.76	646.73	4.02	15.00	615.96
12489	522111	106	8.3	7.83	0.8	3.65	139.74	443.20	1244.17	5.42	0.80	0.83	419.51	3.59	13.79	707.52
12490	522112	82	7.9	7.72	1.5	2.21	178.13	563.03	1227.25	9.16	1.21	0.64	306.33	3.53	22.31	870.58
12491	522113	83	7.9	7.78	1.0	1.67	167.62	453.79	1186.49	6.94	0.75	0.62	421.70	3.86	23.25	819.28
12492	522114	79	8.1	7.79	1.2	3.05	191.45	431.58	1254.85	8.14	1.07	0.59	427.47	3.86	16.72	817.46
12493	522115	80	8.4	7.86	0.8	3.23	166.13	2565.70	1149.70	7.98	0.62	0.71	376.65	3.47	24.66	638.75
12494	522116	81	8.0	7.70	1.4	2.40	179.16	570.69	1059.71	12.85	1.23	0.81	303.27	3.39	19.54	820.95
12495	522117	84	8.2	7.84	0.6	3.01	85.13	303.11	971.47	5.47	0.44	0.65	493.64	3.68	13.10	724.76
12496	522118	88	8.2	7.77	1.2	1.58	153.25	405.55	1319.85	1.62	1.73	0.42	209.13	3.39	28.77	978.83
12497	522119	89	8.2	7.79	1.1	1.70	122.88	456.28	1395.13	3.11	1.18	0.42	501.26	4.39	28.71	997.82
12498	522120	90	8.3	7.84	0.7	2.01	70.28	354.82	853.47	5.57	1.57	0.67	339.88	2.98	17.56	613.66
12499	522121	94	8.2	7.75	2.6	2.34	197.98	699.56	1568.36	19.77	0.77	0.64	669.21	5.40	21.26	966.66
12500	522122	87	8.1	7.75	1.2	1.81	169.82	393.38	1348.53	1.83	2.87	0.46	160.03	3.25	23.27	960.90
12501	522123	95	8.0	7.74	1.1	2.59	183.25	495.71	1121.84	10.16	0.86	0.57	355.39	3.45	15.21	778.05
12502	522124	100	8.0	7.80	1.2	3.58	113.04	437.19	1152.86	2.84	0.99	1.32	320.58	3.50	19.11	694.49
12503	522125	103	7.9	7.73	1.5	0.47	123.05	438.11	1265.46	9.36	0.48	0.35	467.26	4.12	25.64	858.79
12504	522126	242	7.6	7.85	5.2	78.14	125.97	8696.19	1364.50	26.48	148.44	3.60	265.45	4.62	74.68	377.84
12505	522127	235	8.1	7.86	1.4	111.44	152.14	3210.69	977.80	94.92	31.07	6.08	343.66	3.37	28.56	600.16
12506	521901	71	7.6	7.85	0.7	5.13	90.87	579.17	970.65	5.70	3.62	1.02	382.46	3.42	21.81	644.60
12507	521902	72	7.9	7.87	0.8	7.22	75.23	412.57	935.24	18.52	3.34	0.92	380.00	3.30	17.85	603.55
12508	521903	73	7.7	7.78	1.2	3.91	166.53	436.95	1243.18	7.51	2.72	0.69	332.30	3.96	28.79	840.68
12509	521904	74	7.7	7.79	1.1	2.49	157.84	522.60	1327.54	13.20	2.24	0.63	368.12	4.20	36.62	953.93
12510	521905	75	8.0	7.82	1.2	11.03	142.61	1380.51	1455.61	11.41	1.40	0.99	304.94	3.95	38.80	814.98
12511	521906	76	7.9	7.80	1.2	3.08	123.92	652.79	1283.41	6.82	1.11	0.97	427.86	4.11	33.05	818.74

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Analysis Report for Data Set: O4WEL001

UDSTP Lab#	U/D BAG #	Sample ID	pH	Buffer pH	OM (%) by LOI	M3-P (mg/kg)	M3-K (mg/kg)	M3-Ca (mg/kg)	M3-Mg (mg/kg)	M3-Mn (mg/kg)	M3-Zn (mg/kg)	M3-Cu (mg/kg)	M3-Fe (mg/kg)	M3-B (mg/kg)	M3-S (mg/kg)	M3-Al (mg/kg)
12512	521907	77	7.9	7.74	0.7	4.80	68.90	2122.64	1054.74	7.33	1.69	1.40	319.32	3.29	27.71	573.69
12513	521908	136	7.8	7.78	0.6	7.15	98.74	385.56	794.45	5.59	0.66	1.10	326.35	2.82	8.07	550.84
12514	521909	137	7.8	7.79	0.8	4.42	111.99	400.16	952.94	8.12	1.78	1.10	475.54	3.59	12.50	608.99
12515	521910	138	7.8	7.86	0.8	57.31	76.98	582.80	507.68	27.12	34.38	5.78	168.22	2.42	7.20	394.07
12516	522165	36	7.9	7.79	1.1	7.70	140.64	716.33	1169.73	14.53	5.85	0.95	464.96	3.84	13.00	795.85
12517	522166	9	7.8	7.81	0.9	3.84	97.84	477.85	992.82	3.25	2.48	1.14	353.13	3.31	18.81	640.43
12518	522167	11	7.8	7.83	0.8	4.70	88.19	529.84	938.35	7.60	3.18	1.07	434.23	3.52	23.57	604.98
12519	522168	12	8.1	7.88	0.5	11.64	78.32	593.43	633.84	6.40	1.49	1.45	276.19	2.41	16.12	439.54
12520	522169	22	7.9	7.82	0.8	1.21	92.63	318.83	855.42	2.13	1.42	0.64	416.81	3.06	18.47	644.33
12521	522170	24	7.8	7.82	0.9	8.71	110.55	458.91	996.67	5.56	3.07	1.06	339.54	3.29	17.78	679.40
12522	522171	25	7.8	7.82	0.9	3.76	104.21	378.63	915.97	2.72	2.73	1.02	319.93	3.15	17.27	595.69
12523	522172	28	7.8	7.80	1.0	2.14	112.75	512.13	949.27	5.91	9.00	1.34	289.30	3.20	27.49	641.76
12524	522173	29	7.6	7.81	1.1	1.85	117.70	596.74	1180.67	23.67	5.14	1.08	488.46	4.21	34.66	731.36
12525	522174	21	7.7	7.84	1.2	57.22	118.25	709.64	664.01	42.52	99.49	2.90	376.80	3.13	19.73	528.83
12526	522175	32	8.0	7.86	0.9	3.83	99.83	2235.00	1133.23	10.56	5.36	1.41	384.72	3.59	28.18	571.71
12527	522176	33	7.9	7.86	1.1	4.04	112.45	3664.64	1149.01	21.32	4.13	1.53	525.98	4.16	37.50	521.36
12528	522177	39	7.7	7.81	0.8	1.86	97.61	560.03	1024.09	2.89	2.78	0.88	413.71	3.49	21.87	696.92
12529	522178	43	7.5	7.77	1.0	0.93	127.36	462.04	1095.00	3.81	3.62	1.04	545.79	4.27	31.21	781.39
12530	522179	45	7.6	7.81	1.1	1.63	80.76	563.49	978.85	4.69	3.76	0.78	339.79	3.44	27.98	531.79
12531	522180	48	8.0	7.84	1.0	2.78	144.26	1470.28	1114.53	11.73	2.71	0.75	439.46	3.92	33.64	615.63
12532	522181	27	7.9	7.83	1.3	3.39	138.09	1405.50	1253.40	17.30	20.63	0.98	258.13	3.46	29.77	634.46
12533	522182	35	7.9	7.79	1.7	3.22	139.89	1045.49	1293.03	4.50	6.16	0.70	268.64	3.38	29.06	674.05
12534	522183	37	7.7	7.78	1.0	2.00	102.69	357.72	1026.68	0.84	1.32	0.46	206.36	2.57	23.35	692.07
12535	522184	38	7.7	7.83	0.8	11.25	88.66	409.55	814.96	6.06	6.88	0.70	326.46	2.96	11.93	576.57
12536	522185	56	7.6	7.78	0.9	1.84	143.06	393.77	998.66	1.22	0.94	0.37	322.61	3.30	21.32	775.56
12537	522186	65	7.8	7.80	1.1	15.28	157.99	473.76	1184.07	7.59	2.80	0.68	447.33	3.92	16.37	668.17
12538	522187	67	7.6	7.73	1.1	2.47	186.63	432.48	1105.35	7.78	4.52	0.49	339.68	3.55	16.83	813.61
12540	522188	70	7.5	7.80	0.9	2.72	113.96	397.71	986.20	1.83	2.44	0.68	296.13	3.19	20.90	654.07
12541	522189	63	7.7	7.82	0.8	9.25	84.93	514.37	970.71	7.27	3.67	0.63	519.93	4.06	23.33	602.23
12542	522190	68	7.7	7.74	1.2	2.70	149.98	366.23	993.61	5.91	1.20	0.46	193.36	2.90	19.57	716.42
12543	522191	57	7.6	7.80	1.0	1.77	111.31	431.90	1035.15	2.09	2.09	0.29	219.77	3.12	20.89	748.36
12544	522192	69	7.6	7.73	1.0	1.97	192.12	463.20	1205.50	3.32	2.37	0.31	305.13	3.65	21.18	822.31
12545	522193	58	7.9	7.89	0.5	7.51	79.25	808.00	775.18	3.44	4.13	0.71	232.80	2.67	29.57	430.13
12546	522194	59	7.6	7.83	1.0	3.15	105.28	368.62	1020.75	6.75	2.36	0.65	234.73	3.14	31.28	631.16
12547	522195	49	7.8	7.83	1.0	22.95	106.97	571.16	1023.61	6.79	3.16	0.85	491.84	4.00	24.84	623.32
12548	522196	66	7.8	7.80	1.0	3.62	160.45	482.16	1023.11	8.47	4.53	0.51	296.22	3.20	19.30	690.37
12549	522197	61	7.9	7.91	1.0	2.63	135.65	435.71	1163.48	5.67	3.22	0.50	501.32	4.35	34.62	796.24
12550	522198	64	8.4	7.97	1.1	26.88	161.27	402.05	1168.12	5.49	3.27	0.83	427.82	3.75	18.49	691.86
12551	522199	50	8.3	7.94	0.7	4.30	168.84	522.16	1169.99	3.67	2.09	0.52	421.68	3.65	17.90	665.92
12552	522200	60	8.1	8.00	1.3	4.91	105.08	352.70	727.38	21.86	4.02	0.65	398.54	3.35	29.68	636.12
12553	521911	329	8.4	8.01	2.0	73.71	76.79	4820.56	266.14	213.69	11.41	11.39	237.93	2.43	35.78	565.02
12554	521912	341	8.1	7.93	2.1	72.69	154.85	1815.66	685.51	85.12	16.05	5.25	455.16	4.24	30.95	730.15

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Analysis Report for Data Set: O4WEL001

UDSTP Lab#	U/D BAG #	Sample ID	pH	Buffer pH	OM (%) by LOI	M3-P (mg/kg)	M3-K (mg/kg)	M3-Ca (mg/kg)	M3-Mg (mg/kg)	M3-Mn (mg/kg)	M3-Zn (mg/kg)	M3-Cu (mg/kg)	M3-Fe (mg/kg)	M3-B (mg/kg)	M3-S (mg/kg)	M3-Al (mg/kg)
12555	521913	340	7.9	7.84	1.3	70.51	58.47	1011.76	136.53	43.45	5.61	2.01	421.78	2.49	13.04	730.55
12556	521914	332	6.5	7.65	3.6	29.66	115.75	769.66	81.69	102.01	36.29	3.76	609.62	3.10	26.21	877.30
12557	521915	330	8.3	7.97	1.5	53.22	63.01	4400.22	174.51	302.26	7.50	4.51	246.67	2.16	32.19	547.19
12558	521916	323	6.9	7.81	2.3	22.28	62.43	1204.51	189.77	38.75	82.74	9.94	231.17	1.77	17.54	592.84
12559	521917	335	8.3	7.97	1.6	91.43	101.15	1367.94	91.34	217.04	7.74	1.98	592.23	3.63	28.17	902.69
12560	521918	325	7.3	7.87	1.4	102.83	72.07	1063.30	129.60	169.19	6.60	1.95	521.63	3.07	18.28	758.57
12561	521919	343	8.5	7.95	1.0	3.93	160.42	1733.47	910.79	23.63	0.62	1.06	591.71	4.40	24.41	685.56
12562	521920	342	8.3	7.93	1.8	60.73	149.38	1215.44	750.93	59.11	13.23	3.55	476.27	4.09	20.28	747.62
12563	521921	336	7.3	7.82	4.0	78.76	96.35	1726.30	191.68	64.34	143.17	5.95	408.22	3.05	26.96	666.82
12564	521922	321	8.5	7.98	1.5	80.59	209.18	1019.12	1396.89	92.91	7.18	2.57	413.86	4.31	13.94	673.10
12565	521923	339	8.4	7.98	1.7	77.87	82.66	2766.15	261.14	128.73	17.41	6.78	693.31	4.01	25.03	536.99
12566	521924	338	8.2	7.96	1.5	94.52	58.70	1883.71	176.03	111.22	11.23	4.27	464.36	3.09	20.44	606.85
12567	521925	337	5.9	7.60	3.0	106.49	159.29	1045.24	122.68	70.39	131.28	4.46	505.56	2.53	25.38	809.93
12568	521926	334	6.8	7.71	2.6	114.04	98.38	970.01	114.42	64.72	29.96	8.93	309.26	2.07	17.68	748.74
12569	521927	327	6.1	7.61	4.1	50.98	153.76	1065.35	161.86	23.27	89.71	9.76	281.10	1.75	21.90	839.97
12570	521928	322	7.6	7.88	1.5	212.01	109.47	1563.06	189.46	211.37	8.92	2.65	539.27	3.52	24.50	840.66
12571	521929	326	7.9	7.88	1.3	113.35	92.75	1147.33	125.82	97.13	4.22	1.87	546.78	2.98	22.66	830.04
12572	521930	328	7.0	7.80	3.5	61.26	135.20	1712.66	299.58	113.15	142.14	9.57	675.26	3.83	33.66	1046.79
12573	521931	319	5.6	7.62	2.0	58.70	101.84	699.61	135.57	35.40	152.03	5.72	228.42	1.40	19.02	763.85
12574	521932	316	7.6	7.90	3.1	855.19	86.63	4372.63	454.18	20.76	90.53	9.56	370.50	3.19	50.79	541.51
12575	521933	317	7.6	7.91	1.5	526.37	86.48	2063.53	249.39	15.69	12.47	4.66	359.95	2.14	31.09	875.46
12576	521934	320	6.6	7.81	1.3	31.61	48.97	750.85	136.74	31.72	6.37	1.34	184.54	1.27	16.56	809.38
12577	521935	313	7.6	7.90	1.9	849.81	119.69	2333.98	435.38	23.20	9.55	3.95	417.10	2.89	26.24	953.36
12578	521936	331	8.5	7.96	1.2	101.32	56.70	1429.84	143.99	52.62	3.16	1.14	417.69	2.18	15.83	855.99
12579	521937	333	7.3	7.79	2.2	66.67	78.58	1424.37	234.43	63.63	33.07	5.55	481.92	2.61	21.92	748.74
12580	521938	318	4.9	7.34	4.4	156.39	108.83	832.46	134.13	15.63	31.32	8.35	438.33	2.06	47.22	1157.87
12581	521939	324	7.6	7.88	2.0	62.88	83.01	3554.42	405.77	94.17	19.20	3.85	624.93	3.36	29.66	649.40
12582	521940	315	7.0	7.81	13.0	189.02	192.70	6355.84	1022.56	38.28	196.75	7.22	297.55	6.64	87.65	761.48
12583	521941	314	7.8	7.86	1.4	344.10	97.94	1828.78	379.46	18.66	7.89	1.47	565.95	3.13	20.55	885.41
12584	521942	309	7.8	7.88	1.9	137.07	86.06	2221.55	368.71	37.89	46.73	6.88	367.94	2.62	20.22	663.08
12585	521943	30	7.3	7.90	1.3	101.00	97.92	1575.75	418.50	69.19	6.96	3.80	284.13	2.61	22.75	780.61
12586	521944	308	7.8	7.97	2.3	126.03	86.74	2199.02	471.69	47.19	82.67	11.67	277.23	3.00	22.22	726.93
12587	521945	311	7.6	7.91	1.4	161.19	109.11	1870.16	263.90	74.15	7.82	3.11	515.05	3.28	22.75	829.42
12588	521946	312	7.9	7.98	2.4	304.44	101.39	4263.38	533.40	52.29	73.61	10.23	401.68	3.65	39.45	399.88
12589	521960	280	8.3	8.08	1.7	30.15	59.97	21995.08	411.91	20.59	11.72	4.74	98.88	2.04	115.65	46.97
12590	521961	178	8.7	8.08	1.7	44.06	186.91	7104.54	2007.92	126.89	590.25	2.56	133.49	4.57	58.89	377.17
12591	521962	186	8.4	8.05	1.8	87.64	172.38	2763.57	881.09	136.05	43.66	3.85	486.32	4.75	26.93	607.67
12592	521963	192	7.9	7.93	1.3	40.71	177.93	878.96	992.82	79.45	10.40	3.82	389.25	3.76	17.13	939.59
12593	521964	188	8.4	8.03	2.2	82.05	188.04	3908.97	858.72	171.10	24.87	3.85	559.47	5.11	36.21	507.53
12594	521965	189	8.5	7.98	1.7	15.66	211.43	1997.62	1335.75	46.78	9.49	1.59	592.30	5.09	27.19	715.42
12595	521966	182	8.3	8.04	1.9	68.52	163.11	4203.16	768.61	129.21	235.22	4.17	320.76	3.79	32.35	448.13
12596	521967	184	8.3	8.04	1.9	128.14	167.32	3488.09	787.87	154.06	207.65	4.07	326.42	4.06	31.87	644.61

University of Delaware Soil Testing Program
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UDSTP Lab#	U/D BAG #	Sample ID	pH	Buffer pH	OM (%) by LOI	M3-P (mg/kg)	M3-K (mg/kg)	M3-Ca (mg/kg)	M3-Mg (mg/kg)	M3-Mn (mg/kg)	M3-Zn (mg/kg)	M3-Cu (mg/kg)	M3-Fe (mg/kg)	M3-B (mg/kg)	M3-S (mg/kg)	M3-Al (mg/kg)
12597	521968	193	8.2	8.00	1.9	66.38	177.08	4554.74	832.58	159.00	247.16	6.65	404.81	4.00	33.30	580.20
12598	521969	198	8.3	8.04	1.9	99.23	207.40	3567.03	1000.55	151.23	53.66	3.78	506.68	4.82	33.99	547.87
12599	521970	196	8.2	8.00	1.9	88.25	197.79	1704.73	839.32	200.17	133.17	4.32	518.94	4.55	24.85	807.78
12600	521971	200	8.5	8.06	1.9	52.20	109.31	6603.64	944.90	109.07	26.18	7.96	249.06	4.16	57.89	228.14
12601	521972	202	8.4	8.04	1.8	97.94	113.97	4582.28	734.52	114.58	10.39	3.75	287.11	3.93	46.19	301.78
12602	521973	179	8.4	8.03	2.0	40.16	213.43	2710.16	1448.69	199.47	35.25	2.21	528.49	5.35	30.15	637.92
12603	521974	183	8.3	8.03	1.8	75.49	150.31	3455.21	865.92	179.54	192.23	3.48	383.29	4.21	32.16	625.27
12604	521975	190	8.3	7.99	1.3	13.79	225.08	1869.86	1465.32	55.17	9.53	1.51	548.40	4.81	30.75	777.78
12605	521976	207	8.3	8.01	1.9	85.89	198.84	2850.97	946.89	114.59	74.37	5.24	467.50	4.39	30.40	641.81
12606	521977	199	8.3	8.04	2.2	83.80	220.76	6241.74	968.87	115.35	54.52	6.85	398.85	4.54	48.39	388.11
12607	521978	218	8.3	8.00	1.8	52.52	208.53	5345.28	1011.41	148.82	21.01	3.39	646.28	5.12	46.35	439.44
12608	521979	187	8.4	8.06	2.2	114.67	175.87	5179.68	881.67	150.01	35.13	4.79	502.23	4.62	47.30	270.27
12609	521980	185	8.2	8.04	2.3	90.07	174.18	2229.07	796.19	139.45	201.04	4.53	368.99	4.20	33.82	669.76
12610	521981	209	8.2	7.97	1.8	35.27	197.37	2164.75	1008.45	52.67	36.68	3.18	561.36	4.57	28.99	721.50
12611	521982	191	8.2	7.99	1.6	44.15	176.45	1257.67	1011.90	156.73	20.38	19.80	591.71	4.70	21.72	707.65
12612	521983	204	8.3	8.03	3.3	60.03	179.58	6816.59	1279.57	161.07	137.60	7.37	564.85	5.36	44.18	461.94
12613	521984	194	8.3	8.04	1.9	75.21	164.25	4453.80	804.89	171.97	227.18	7.06	453.35	4.36	37.15	354.20
12614	521985	195	8.1	7.96	1.5	114.05	191.54	1473.48	913.66	155.54	133.82	2.12	835.64	5.88	25.77	717.62
12615	521986	201	8.6	8.07	1.7	62.81	127.26	6579.88	1308.06	103.97	17.34	5.30	310.91	4.81	59.30	198.98
12616	521987	206	8.3	8.02	1.9	68.87	185.63	3331.90	874.03	150.21	284.77	5.06	562.13	4.92	30.23	465.83
12617	521988	213	8.5	8.06	1.7	44.92	145.55	6192.54	1273.62	100.62	24.34	8.20	340.46	4.76	59.46	223.79
12618	521989	208	8.3	8.01	1.8	55.31	228.58	3255.60	1217.14	92.51	65.96	3.50	583.22	5.42	35.93	803.36
12619	521990	197	8.2	8.01	2.0	73.00	206.86	3533.50	972.06	116.64	302.20	8.28	447.95	4.53	36.05	569.60
12620	521991	215	8.2	7.98	1.9	147.60	158.42	1528.10	1190.04	133.44	45.84	22.99	626.10	5.37	24.48	686.84
12621	521992	205	8.0	7.95	2.5	78.68	172.88	6734.62	1039.42	115.58	278.94	6.26	335.38	4.15	51.19	332.60
12622	521993	210	8.0	7.97	1.9	96.85	182.97	4390.99	886.31	96.94	41.98	20.42	457.48	4.30	37.32	491.26
12623	521994	217	8.2	8.00	1.6	91.50	203.55	4394.39	858.32	157.66	74.48	4.72	437.29	4.56	35.20	545.51
12624	521995	214	8.4	8.00	1.7	48.71	133.55	6168.18	1291.82	105.09	18.95	4.39	258.55	4.40	45.58	312.64
12625	521996	216	8.0	7.94	1.4	196.50	169.83	1813.68	1106.84	147.44	48.63	4.27	515.64	4.53	23.26	718.29
12626	521997	211	8.0	7.91	2.6	95.06	275.83	3241.67	1285.69	118.31	31.72	6.79	711.53	6.18	44.43	951.25
12627	521998	203	8.1	7.95	1.7	77.38	168.16	2757.02	1207.02	131.05	14.28	4.20	479.21	4.64	28.98	614.82
12628	521999	212	8.4	7.99	1.4	52.15	147.09	4370.00	817.18	119.36	16.17	5.09	251.00	4.02	40.89	375.82
12629	522128	98	8.0	7.93	0.8	8.10	87.07	498.30	979.46	9.48	2.10	1.50	542.77	3.93	14.06	642.86
12630	522129	99	8.0	7.91	0.7	9.90	97.78	385.56	1131.48	6.75	1.18	1.20	509.91	4.07	15.19	743.70
12631	522130	101	8.0	7.86	1.0	1.56	185.90	416.70	1458.00	12.41	1.43	1.73	470.90	4.61	21.31	1053.00
12632	522131	102	8.0	7.86	1.1	3.19	127.63	412.02	1209.65	12.25	0.94	1.57	440.61	4.15	18.00	923.68
12633	522132	104	8.1	7.88	1.0	1.64	121.60	551.60	1466.98	7.21	1.33	1.49	457.08	4.35	22.15	943.21
12634	522133	105	8.3	7.93	0.8	1.99	83.18	442.18	1081.82	7.44	0.88	0.99	566.18	4.23	18.66	761.18
12635	522134	109	8.2	7.88	1.4	7.00	164.54	704.44	1245.37	20.84	1.26	1.96	285.00	3.54	15.69	873.98
12636	522135	86	8.0	7.92	0.9	3.10	80.05	430.91	1158.18	2.02	13.41	1.11	247.82	3.30	15.72	769.27
12637	522136	110	8.1	7.89	1.0	3.37	151.89	564.62	1140.57	10.99	1.11	1.39	392.64	3.74	12.04	875.57
12638	522137	113	8.1	7.88	0.9	1.58	138.84	327.86	1176.79	5.18	0.48	0.69	470.63	4.03	16.04	892.41

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UDSTP Lab#	U/D BAG #	Sample ID	pH	Buffer pH	OM (%) by LOI	M3-P (mg/kg)	M3-K (mg/kg)	M3-Ca (mg/kg)	M3-Mg (mg/kg)	M3-Mn (mg/kg)	M3-Zn (mg/kg)	M3-Cu (mg/kg)	M3-Fe (mg/kg)	M3-B (mg/kg)	M3-S (mg/kg)	M3-Al (mg/kg)
12639	522138	114	8.1	7.88	1.2	3.31	153.64	367.01	1396.26	12.76	1.38	1.11	295.42	3.93	24.94	877.94
12640	522139	116	8.1	7.85	1.2	3.29	174.34	321.98	1227.36	11.97	0.57	0.76	588.87	4.63	21.46	914.25
12641	522140	117	7.9	7.84	1.2	2.22	144.70	351.48	1245.22	14.82	0.72	0.79	289.04	3.66	27.49	841.91
12642	522141	119	8.1	7.88	1.3	3.16	143.33	525.41	1373.87	8.51	0.89	0.95	442.43	3.95	22.35	820.90
12643	522142	121	8.1	7.84	1.4	1.42	190.74	543.80	1311.11	13.71	1.43	0.83	559.91	4.60	20.90	829.63
12644	522143	122	8.1	7.86	1.0	2.32	177.29	592.34	1238.32	6.97	0.61	0.67	445.33	4.10	25.59	885.51
12645	522144	124	8.1	7.91	0.8	8.14	125.54	381.16	993.75	3.01	0.97	0.79	355.98	3.27	21.23	748.30
12646	522145	125	8.1	7.91	0.8	2.27	141.09	294.73	1078.18	3.53	0.61	1.03	336.18	3.30	18.22	797.09
12647	522146	127	8.3	7.91	1.1	2.54	153.93	312.43	1278.50	17.60	0.78	1.17	262.80	3.50	23.31	831.59
12648	522147	129	8.1	7.88	1.3	2.06	163.67	293.21	1336.70	9.13	0.46	0.77	257.06	3.53	24.92	858.90
12649	522148	130	8.1	7.87	1.3	2.73	139.45	338.09	1343.64	6.15	0.53	1.14	337.55	3.97	19.05	815.00
12650	522149	107	8.1	7.83	1.7	1.94	162.39	503.45	1365.49	9.23	0.82	0.69	523.19	4.43	21.01	806.37
12651	522150	108	8.2	7.86	1.8	2.74	162.16	622.34	1296.40	18.65	0.87	0.70	549.37	4.50	18.75	792.79
12652	522151	111	8.0	7.91	0.7	2.21	111.86	373.10	963.72	3.34	0.86	0.80	518.58	3.80	17.01	708.41
12653	522152	112	8.1	7.93	0.6	2.37	114.65	252.63	969.30	3.55	0.80	0.76	485.79	3.71	18.76	667.81
12654	522153	115	8.2	7.90	0.8	3.80	150.61	304.00	1240.87	23.04	1.04	1.03	257.83	3.57	16.46	839.74
12655	522154	118	7.8	7.88	0.7	3.44	129.71	455.81	1424.76	16.30	0.95	1.17	420.10	4.24	35.82	865.05
12656	522155	120	8.2	7.89	1.2	3.13	167.25	1108.26	1271.56	8.59	2.08	0.84	513.21	4.30	21.31	804.22
12657	522156	123	8.2	7.89	1.0	3.68	165.73	569.29	1176.55	13.14	1.20	1.85	519.82	4.22	13.94	887.95
12658	522157	126	8.1	7.90	1.1	1.52	157.39	375.29	1247.26	15.06	0.56	1.01	320.94	3.48	17.23	926.39
12659	522158	128	8.1	7.89	1.3	1.36	155.00	331.07	1321.30	11.47	0.64	0.81	478.50	4.33	12.92	895.13
12660	522159	131	8.1	7.93	1.0	2.06	139.62	396.98	1129.20	6.27	0.83	1.46	491.43	4.01	16.54	766.53
12661	522160	132	7.9	7.87	1.2	21.60	131.05	657.39	1001.35	17.42	1.13	1.62	406.34	3.47	16.74	773.22
12662	522161	54	7.9	7.83	1.0	1.01	191.03	469.75	1220.73	2.58	0.79	0.72	380.44	3.79	16.29	968.85
12663	522162	55	7.9	7.84	1.0	1.97	206.06	481.98	1247.65	2.21	0.94	0.82	399.62	3.84	12.21	1070.17
12664	522163	40	8.1	7.91	1.0	6.85	128.36	500.63	1155.69	4.88	1.62	1.46	228.43	3.05	12.18	761.39
12665	522164	41	8.0	7.89	1.1	4.34	147.16	490.05	1237.97	4.41	0.99	1.22	282.96	3.39	11.61	782.84
12666	521947	261	7.8	7.90	3.0	119.72	121.97	6989.82	467.51	174.18	122.72	20.75	180.59	2.98	41.92	736.20
12667	521948	270	7.8	7.98	2.8	15.69	112.91	4325.31	624.80	24.29	139.05	16.67	136.53	3.20	37.81	420.52
12668	521949	268	8.0	7.98	1.9	54.62	124.00	5579.29	324.54	319.59	12.39	3.32	194.11	2.49	29.01	640.65
12669	521950	272	8.0	7.91	1.5	75.21	89.93	2804.15	488.49	59.46	13.23	4.41	176.15	2.24	25.78	692.47
12670	521851	275	7.8	7.95	1.3	33.24	56.11	1222.51	215.31	143.04	4.81	1.75	192.45	1.86	16.01	883.38
12671	521852	271	8.0	8.00	1.8	29.46	82.76	9552.81	527.73	29.13	38.51	6.05	146.27	2.38	48.69	153.29
12672	521853	265	8.0	8.01	2.3	33.01	94.58	6505.70	573.43	26.00	206.31	6.26	146.02	2.59	37.81	272.84
12673	521854	273	7.9	7.97	1.7	45.19	68.65	1728.38	351.10	57.46	5.85	2.02	92.31	1.71	16.84	483.77
12674	521855	269	7.9	7.96	1.0	44.16	58.83	1565.19	136.92	84.81	4.78	1.36	525.39	2.79	19.17	882.73
12675	521856	274	7.9	7.92	1.9	49.15	59.83	1764.22	245.08	336.91	8.92	3.68	203.39	2.04	17.77	785.26
12676	521857	263	7.9	7.99	1.6	37.33	58.70	4659.51	146.05	276.32	10.86	2.74	244.07	2.19	30.59	642.97
12677	521858	259	8.7	7.96	1.2	13.69	58.67	949.19	88.09	112.25	3.10	0.93	739.77	3.45	15.20	952.33
12678	521859	264	7.8	7.96	0.8	30.27	55.04	1460.43	118.56	77.13	4.45	0.84	681.21	3.30	20.25	862.87
12679	521860	258	8.5	7.96	1.6	15.68	65.83	3018.53	134.33	252.85	7.24	2.82	502.05	3.00	22.31	720.58
12680	521861	249	8.4	7.97	1.6	98.47	66.77	4634.25	141.05	266.78	5.86	2.66	468.47	2.94	26.67	695.88

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Analysis Report for Data Set: O4WEL001

UDSTP Lab#	U/D BAG #	Sample ID	pH	Buffer pH	OM (%) by LOI	M3-P (mg/kg)	M3-K (mg/kg)	M3-Ca (mg/kg)	M3-Mg (mg/kg)	M3-Mn (mg/kg)	M3-Zn (mg/kg)	M3-Cu (mg/kg)	M3-Fe (mg/kg)	M3-B (mg/kg)	M3-S (mg/kg)	M3-Al (mg/kg)
12681	521862	252	8.1	7.97	2.4	53.35	67.03	10218.34	509.96	113.89	12.49	5.10	141.00	2.65	53.44	274.48
12682	521863	256	6.8	7.88	1.5	31.30	57.95	2631.57	509.59	55.76	155.10	4.52	351.54	2.50	23.35	604.21
12683	521864	260	6.9	7.79	3.0	21.59	69.06	1853.70	217.64	39.21	84.37	8.79	336.34	2.25	23.79	690.48
12684	521865	248	6.5	7.66	2.3	34.62	85.44	1036.06	136.65	44.15	52.89	6.69	388.35	2.19	19.06	780.11
12685	521866	266	7.9	7.96	1.8	41.90	83.58	10258.73	536.70	59.92	87.47	5.24	179.66	2.39	44.72	225.64
12686	521867	250	8.3	7.97	1.3	18.75	68.40	3477.46	115.40	199.59	4.39	2.25	498.14	2.80	22.33	740.58
12687	521868	245	6.1	7.56	2.0	66.28	99.49	594.26	78.27	66.71	16.57	5.58	274.78	1.53	21.95	1076.35
12688	521869	247	8.1	7.96	2.0	31.86	52.74	13456.81	411.02	48.75	14.33	4.96	126.21	2.09	60.11	140.24
12689	521870	253	7.4	7.86	1.8	35.27	66.36	1533.21	380.31	53.49	30.54	6.02	289.93	2.38	21.17	686.51
12690	521871	254	8.4	7.90	1.1	6.10	106.78	1069.45	108.95	85.39	2.88	1.48	560.23	3.22	18.04	863.96
12691	521872	257	7.9	7.91	1.3	21.21	82.85	2330.89	194.07	102.26	6.10	2.37	514.57	2.97	25.10	827.33
12692	521873	244	7.9	7.95	2.2	78.20	101.97	10749.87	456.37	125.39	18.09	6.64	184.30	2.68	54.99	348.33
12693	521874	251	6.4	7.69	3.4	26.54	86.95	1403.02	171.46	52.07	51.74	8.21	308.66	2.39	23.11	680.51
12694	521875	255	6.1	7.70	2.1	27.40	70.66	1054.33	203.95	43.83	77.79	12.30	337.34	2.16	18.02	811.24
12695	521876	246	6.2	7.63	2.8	34.06	70.18	1029.84	149.37	36.51	48.81	9.72	318.78	2.06	19.46	871.91
12696	521877	262	7.9	7.96	2.3	73.24	58.12	8040.87	402.61	131.55	155.16	7.61	424.09	3.69	46.37	421.21
12697	521878	267	8.1	7.96	1.1	49.81	157.79	2625.52	279.87	55.39	8.62	3.14	231.78	2.20	22.32	701.46
12698	521879	296	8.2	7.93	1.2	78.65	79.94	1668.94	118.52	258.17	5.62	2.46	666.24	3.75	19.45	772.32
12699	521880	301	6.2	7.52	3.9	57.91	152.58	612.23	95.50	31.87	13.16	4.37	613.02	2.99	29.33	943.38
12700	521881	303	7.1	7.82	1.5	117.46	53.51	1415.59	147.41	296.32	12.83	2.96	526.61	3.46	20.58	922.06
12701	521882	298	6.2	7.73	1.4	63.62	103.61	920.01	222.26	134.00	24.19	2.09	920.77	4.33	19.94	786.25
12702	521883	304	6.4	7.69	3.0	18.30	176.85	1497.44	301.66	77.62	52.14	5.64	567.84	3.36	28.51	691.00
12703	521884	305	6.5	7.84	1.7	25.62	93.60	812.77	132.28	32.55	11.39	3.58	252.49	1.59	13.26	449.05
12704	521885	292	5.6	7.52	4.7	40.80	178.40	1214.51	183.58	33.27	48.80	7.80	371.06	2.44	27.61	815.48
12705	521886	302	5.8	7.48	1.9	69.15	99.60	272.12	51.61	40.48	8.79	8.73	241.10	1.38	26.60	1148.38
12706	521887	300	7.0	7.82	1.3	76.84	60.49	1072.88	199.43	57.43	5.86	3.84	402.87	2.57	14.00	669.16
12707	521888	295	7.7	7.77	0.9	83.52	96.60	975.10	132.28	28.45	1.86	1.24	957.09	4.38	18.94	921.70
12708	521889	306	6.6	7.74	1.8	75.06	136.05	1310.94	226.74	31.94	12.42	40.03	381.58	2.48	21.36	686.42
12709	521890	297	6.3	7.64	3.3	51.40	131.61	1033.34	133.79	68.94	58.99	4.88	496.11	2.89	23.99	710.43
12710	521891	294	7.8	7.89	1.3	124.40	63.70	1939.33	144.15	112.63	6.42	4.77	475.91	3.23	24.13	729.65
12711	521892	307	6.6	7.71	1.4	39.00	167.57	1179.60	238.56	39.86	4.66	5.35	368.09	2.48	19.19	731.74
12712	521893	299	8.2	7.94	1.5	64.83	92.20	4132.07	124.68	212.49	30.74	6.66	883.96	4.45	35.66	553.70
12713	521894	290	7.4	7.87	5.8	26.68	125.52	3345.06	765.81	48.17	60.07	7.09	240.56	3.73	44.39	602.37
12714	521895	288	7.9	7.95	0.9	12.93	53.21	1489.17	82.59	62.57	2.13	1.27	131.59	1.51	14.75	733.20
12715	521896	281	4.3	7.06	6.4	260.41	226.59	815.20	143.04	8.80	55.51	10.79	540.04	2.79	44.16	1328.50
12716	521897	285	7.9	7.89	2.4	119.08	236.89	10489.87	443.18	201.12	13.00	7.02	190.10	3.10	59.44	686.89
12717	521898	287	8.0	7.98	1.4	19.46	63.07	4684.82	118.69	298.51	4.52	2.54	207.17	2.16	25.86	566.18
12718	521899	282	5.4	7.49	2.1	116.15	242.88	829.50	153.16	97.51	98.75	8.25	695.99	3.43	22.25	905.53
12719	521900	279	6.2	7.70	1.3	47.28	208.54	1024.90	200.08	143.27	17.59	8.02	509.09	2.79	20.72	698.66
12720	521951	278	5.8	7.72	1.4	99.58	146.07	899.27	158.53	89.26	29.63	59.85	444.74	2.51	19.97	627.66
12721	521952	284	7.1	7.80	3.0	156.58	118.26	2935.17	366.64	178.20	46.92	12.42	254.32	3.08	24.74	798.98
12722	521953	289	7.7	7.91	3.3	162.39	106.09	6561.00	1158.49	31.26	152.06	10.27	263.61	3.81	43.55	869.80

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Analysis Report for Data Set: O4WEL001

UDSTP Lab#	U/D BAG #	Sample ID	pH	Buffer pH	OM (%) by LOI	M3-P (mg/kg)	M3-K (mg/kg)	M3-Ca (mg/kg)	M3-Mg (mg/kg)	M3-Mn (mg/kg)	M3-Zn (mg/kg)	M3-Cu (mg/kg)	M3-Fe (mg/kg)	M3-B (mg/kg)	M3-S (mg/kg)	M3-Al (mg/kg)
12723	521954	291	6.7	7.81	1.0	19.85	44.49	1251.99	213.94	103.51	9.59	2.73	219.65	1.92	16.37	853.36
12724	521955	293	6.1	7.64	1.7	87.19	85.70	949.97	147.36	84.12	36.44	7.27	542.96	2.90	21.02	804.50
12725	521956	286	8.0	7.95	1.1	63.42	81.77	4462.28	206.66	178.62	5.93	3.26	251.65	2.31	30.57	574.96
12726	521957	283	6.3	7.63	1.5	5.19	328.94	972.11	236.47	54.24	13.46	1.34	637.56	3.39	37.84	821.05
12727	521958	276	7.6	7.83	2.2	139.37	90.44	2769.28	470.96	39.46	62.40	7.27	359.02	3.09	24.92	753.28
12728	521959	277	7.5	7.84	1.1	287.09	102.16	2022.50	249.02	21.11	9.63	4.23	354.74	2.43	20.83	819.74