analyte_id	analyte_name	analyte_abbrev	Notes
365	Acetate, Saturation Extract	oac_satx	
1186	Acetate, Water	oac_wat	
1145	Acetate, water extract	oac_watx	
88	Acidity, BaCl2-TEA Extractable, pH 8.2	acid_tea	
795	Acidity, BaCl2-TEA Extractable, pH 8.2, centrifuge	acid_teac	
109	Actinolite, petro_count	min_AC_petro_count	
1240	Actinolite, x-ray pm	min_AC_x-ray_pm	
630	Aegirine-Augite, petro_count	min_AI_petro_count	
1386	Aegirine-Augite, x-ray pm	min_AI_x-ray_pm	
1	Aggregate Stability, 0.5-2mm Aggregates	aggstb	
110	Albite, petro_count	min_FB_petro_count	
1241	Albite, x-ray pm	min_FB_x-ray_pm	
633	Allophane, petro_count	min_AL_petro_count	
1387	Allophane, x-ray pm	min_AL_x-ray_pm	
65	Aluminum, Dithionite Citrate Extractable	al_dith	
1056	Aluminum, Element Mehlich3 Extractable	al_el_meh3	
69	Aluminum, KCl Extractable	al_kcl	
670	Aluminum, Major Element	al_mjelm	
59	Aluminum, Oxalate Extractable	al_ox	
71	Aluminum, Sodium Pyrophosphate Extractable	al_pyp	
391	Aluminum, Total	al_tot	
1197	Aluminum, Water Element	al_wtelm	
1158	Aluminum, Water Extractable	al_watx	
111	Amphibole, petro_count	min_AM_petro_count	
423	Amphibole, x-ray	min_AM_x-ray	
1242	Amphibole, x-ray pm	min_AM_x-ray_pm	
637	Analcime, petro_count	min_LC_petro_count	
424	Analcime, x-ray	min_LC_x-ray	
1391	Analcime, x-ray pm	min_LC_x-ray_pm	
112	Anatase, petro_count	min_AE_petro_count	
425	Anatase, x-ray	min_AE_x-ray	
1243	Anatase, x-ray pm	min_AE_x-ray_pm	
113	Andalusite, petro_count	min_AN_petro_count	
1244	Andalusite, x-ray pm	min_AN_x-ray_pm	
114	Andesite, petro_count	min_FA_petro_count	
1245	Andesite, x-ray pm	min_FA_x-ray_pm	
115	Anhydrite, petro_count	min_AY_petro_count	
1246	Anhydrite, x-ray pm	min_AY_x-ray_pm	
116	Anorthite, petro_count	min_FN_petro_count	
1247	Anorthite, x-ray pm	min_FN_x-ray_pm	
117	Anorthoclase, petro_count	min_FH_petro_count	
1248	Anorthoclase, x-ray pm	min_FH_x-ray_pm	
118	Anthophyllite, petro_count	min_AH_petro_count	
1249	Anthophyllite, x-ray pm	min_AH_x-ray_pm	
119	Antigorite, petro_count	min_AG_petro_count	
1012	Antigorite, tga	min_AG_tga	

analyte_id	analyte_name	analyte_abbrev	Notes
426	Antigorite, x-ray	min_AG_x-ray	
1250	Antigorite, x-ray pm	min_AG_x-ray_pm	
882	Antimony, Trace Element	sb_trelm	
120	Apatite, petro_count	min_AP_petro_count	
1251	Apatite, x-ray pm	min_AP_x-ray_pm	
121	Aragonite, petro_count	min_AO_petro_count	
427	Aragonite, x-ray	min_AO_x-ray	
1252	Aragonite, x-ray pm	min_AO_x-ray_pm	
122	Arfvedsonite, petro_count	min_AF_petro_count	
1253	Arfvedsonite, x-ray pm	min_AF_x-ray_pm	
1057	Arsenic, Element Mehlich3 Extractable	as_el_meh3	
392	Arsenic, Total	as_tot	
879	Arsenic, Trace Element	as_trelm	
1198	Arsenic, Water Element	as_wtelm	
1159	Arsenic, Water Extractable	as_watx	
123	Augite, petro_count	min_AU_petro_count	
1254	Augite, x-ray pm	min_AU_x-ray_pm	
124	Barite, petro_count	min_BA_petro_count	
1255	Barite, x-ray pm	min_BA_x-ray_pm	
1058	Barium, Element Mehlich3 Extractable	ba_el_meh3	
880	Barium, Trace Element	ba_trelm	
1199	Barium, Water Element	ba_wtelm	
1160	Barium, Water Extractable	ba_watx	
95	Basic Glass, glass_count	min_BG_glass_count	
125	Basic Glass, petro_count	min_BG_petro_count	
1256	Basic Glass, x-ray pm	min_BG_x-ray_pm	
126	Beryl, petro_count	min_BY_petro_count	
1257	Beryl, x-ray pm	min_BY_x-ray_pm	
881	Beryllium, Trace Element	be_trelm	
366	Bicarbonate, Saturation Extract	hco3sx	
1195	Bicarbonate, Water	hco3w	
127	Biotite, petro_count	min_BT_petro_count	
428	Biotite, x-ray	min_BT_x-ray	
1258	Biotite, x-ray pm	min_BT_x-ray_pm	
128	Biotite-Chlorite, petro_count	min_BC_petro_count	
429	Biotite-Chlorite, x-ray	min_BC_x-ray	
1259	Biotite-Chlorite, x-ray pm	min_BC_x-ray_pm	
129	Boehmite, petro_count	min_BE_petro_count	
1425	Boehmite, x-ray	min_BE_x-ray	
1260	Boehmite, x-ray pm	min_BE_x-ray_pm	
367	Borate, Saturation Extract	b_satx	
1187	Borate, Water	b_wat	
393	Boron, Total	b_tot	
1146	Boron, water extract	b_watx	
368	Bromide, Saturation Extract	br_satx	
1188	Bromide, Water	br_wat	

analyte_id	analyte_name	analyte_abbrev	Notes
1147	Bromide, water extract	br_watx	
130	Bronzite, petro_count	min_BZ_petro_count	
1261	Bronzite, x-ray pm	min_BZ_x-ray_pm	
131	Brookite, petro_count	min_BK_petro_count	
1262	Brookite, x-ray pm	min_BK_x-ray_pm	
132	Brucite, petro_count	min_BR_petro_count	
430	Brucite, x-ray	min_BR_x-ray	
1263	Brucite, x-ray pm	min_BR_x-ray_pm	
10	Bulk Density, <2 mm Fraction, 1/10 Bar	db_10b	
4	Bulk Density, <2mm Fraction, 1/3 Bar	db_13b	
5	Bulk Density, <2mm Fraction, Ovendry	db_od	
16	Bulk Density, <2mm Fraction, Reconstituted, 1/3 Bar	db_rec3	
17	Bulk Density, <2mm Fraction, Reconstituted, Ovendry	db_recd	
23	Bulk Density, <2mm Fraction, Rewet, Ovendry	db_rw_od	
24	Bulk Density, 1/3 Bar, Before Rewet (Organic Soils)	db_3brw	
28	Bulk Density, 1/3 Bar, Estimated	db_3est	
25	Bulk Density, 1/3 Bar, Rewet (Organic Soils)	db_3rw	
22	Bulk Density, Clod, Field Water Content	db_fmst	
19	Bulk Density, Compliant Cavity, Field Moisture	db_cc	
21	Bulk Density, Core, <2 mm fraction, Field Moist	db_fmstc	
792	C, CO3	CCO3	
790	C, glucose	CGlucose	
791	C, KMnO4 extract	CKMnO4	
1060	Cadmium, Element Mehlich3 Extractable	cd_el_meh3	
394	Cadmium, Total	cd_tot	
680	Cadmium, Trace Element	cd_trelm	
1201	Cadmium, Water Element	cd_wtelm	
1162	Cadmium, Water Extractable	cd_watx	
133	Calcite, petro_count	min_CA_petro_count	
1423	Calcite, tga	min_CA_tga	
431	Calcite, x-ray	min_CA_x-ray	
1264	Calcite, x-ray pm	min_CA_x-ray_pm	
1059	Calcium, Element Mehlich3 Extractable	ca_el_meh3	
669	Calcium, Major Element	ca_mjelm	
75	Calcium, Neutral Salt Extractable	ca_neutral_salt	
81	Calcium, NH4OAc Extractable	ca_nh4	
722	Calcium, NH4OAc Extractable, 2M KCl displacement	ca_nh4d	
369	Calcium, Saturation Extract	ca_satx	
395	Calcium, Total	ca_tot	
1182	Calcium, Water	ca_wat	
1200	Calcium, Water Element	ca_wtelm	
1161	Calcium, Water Extractable	ca_watx	
1408	Carbon, hpom	Chpom	
783	Carbon, plants	Cplant	
772	Carbon, pom	Cpom	
776	Carbon, pom mineral	Cmin	

analyte_id	analyte_name	analyte_abbrev	Notes
779	Carbon, root	Croot	
72	Carbon, Sodium Pyrophosphate Extractable	c_pyp	
58	Carbon, Total	c_tot	
622	Carbon, Total NCS	c_tot_ncs	⇒S-FNGD *27*
134	Carbonate Aggregates, petro_count	min_CB_petro_count	
1265	Carbonate Aggregates, x-ray pm	min_CB_x-ray_pm	
54	Carbonate, <2mm Fraction	caco3	
57	Carbonate, 2-20mm Fraction	caco32_20	
1424	Carbonate, MIR predicted, unscreened	caco3_ump	
370	Carbonate, Saturation Extract	co3_satx	
1196	Carbonate, Water	co3_wat	
135	Cassiterite, petro_count	min_CT_petro_count	
1266	Cassiterite, x-ray pm	min_CT_x-ray_pm	
76	CEC, NH4Cl	cec_nhcl	
82	CEC, NH4OAc, pH 7.0	cec_nh4	
723	CEC, NH4OAc, pH 7.0, 2M KCl displacement	cecd_nh4	
136	Chert (Chalcedony, Jasper, Agate, Onyx), petro_count	min_CD_petro_count	
1267	Chert (Chalcedony, Jasper, Agate, Onyx), x-ray pm	min_CD_x-ray_pm	
371	Chloride, Saturation Extract	cl_satx	
1189	Chloride, Water	cl_wat	
1148	Chloride, water extract	cl_watx	
137	Chlorite, petro_count	min_CL_petro_count	
432	Chlorite, x-ray	min_CL_x-ray	
1268	Chlorite, x-ray pm	min_CL_x-ray_pm	
138	Chlorite-Mica, petro_count	min_CM_petro_count	
433	Chlorite-Mica, x-ray	min_CM_x-ray	
1269	Chlorite-Mica, x-ray pm	min_CM_x-ray_pm	
1062	Chromium, Element Mehlich3 Extractable	cr_el_meh3	
396	Chromium, Total	cr_tot	
681	Chromium, Trace Element	cr_trelm	
1203	Chromium, Water Element	cr_wtelm	
1164	Chromium, Water Extractable	cr_watx	
139	Chrysotile, petro_count	min_CY_petro_count	
1270	Chrysotile, x-ray pm	min_CY_x-ray_pm	
334	Clay	clay_tot_psa	
275	Clay PSDA, Dith, Pipet	clay_tot_Dith	
282	Clay PSDA, Moist, Dith, Pipet	clay_tot_Moist_Dith	
289	Clay PSDA, Moist, NaOAc, Pipet	clay_tot_Moist_NaOAc	
296	Clay PSDA, Moist, NaOH, Pipet	clay_tot_Moist_NaOH	
303	Clay PSDA, Moist, Pipet	clay_tot_Moist	
313	Clay PSDA, Moist, Ultrasonic, Pipet	clay_tot_Moist_Ultra	
320	Clay PSDA, NaOAc, Pipet	clay_tot_NaOAc	
327	Clay PSDA, NaOH, Pipet	clay_tot_NaOH	
344	Clay PSDA, Ultrasonic, Pipet	clay_tot_Ultrasonic	
335	Clay, Carbonate	co3_cly	
1045	Clay, Carbonate, Dith, Pipet	co3_cly_Dith	

analyte_id	analyte_name	analyte_abbrev	Notes
1229	Clay, Carbonate, H2O Disp, Air-dry, Ultra	w_clyco3_u	
1221	Clay, Carbonate, H2O Disp, Moist, Ultra	w_clyco3_mu	
351	Clay, Carbonate, H2O Dispersible	w_clyco3	
978	Clay, Carbonate, H2O Dispersible, Moist	w_clyco3_moist	
304	Clay, Carbonate, Moist	co3_cly_moist	
1047	Clay, Carbonate, Moist, Dith, Pipet	co3_cly_Moist_Dith	
1049	Clay, Carbonate, Moist, NaOAc, Pipet	co3_cly_Moist_NaOAc	
1051	Clay, Carbonate, Moist, NaOH, Pipet	co3_cly_Moist_NaOH	
1053	Clay, Carbonate, NaOAc, Pipet	co3_cly_NaOAc	
1055	Clay, Carbonate, NaOH, Pipet	co3_cly_NaOH	
1416	Clay, Ethanol Disp, Air-dry, Ultra	e_cly_u	
336	Clay, Fine	clay_f	
1044	Clay, Fine, Dith, Pipet	clay_f_Dith	
1230	Clay, Fine, H2O Disp, Air-dry, Ultra	w_cly_f_u	
1222	Clay, Fine, H2O Disp, Moist, Ultra	w_cly_f_mu	
352	Clay, Fine, H2O Dispersible	w_cly_f	
979	Clay, Fine, H2O Dispersible, Moist	w_cly_f_moist	
305	Clay, Fine, Moist	clay_f_moist	
1046	Clay, Fine, Moist, Dith, Pipet	clay_f_Moist_Dith	
1048	Clay, Fine, Moist, NaOAc, Pipet	clay_f_Moist_NaOAc	
1050	Clay, Fine, Moist, NaOH, Pipet	clay_f_Moist_NaOH	
910	Clay, Fine, Moist, Ultrasonic, Pipet	clay_f_Moist_Ultra	
1052	Clay, Fine, NaOAc, Pipet	clay_f_NaOAc	
1054	Clay, Fine, NaOH, Pipet	clay_f_NaOH	
918	Clay, Fine, Ultrasonic, Pipet	clay_f_Ultrasonic	
1231	Clay, H2O Disp, Air-dry, Ultra	w_cly_u	
1220	Clay, H2O Disp, Moist, Ultra	w_cly_mu	
353	Clay, H2O Dispersible	w_cly	
360	Clay, H2O Dispersible, Hydrometer	w_cly_h	
363	Clay, H2O Dispersible, Moist	w_cly_moist	
337	Clay, Noncarbonate	nco3_cly	
306	Clay, Noncarbonate, Moist	nco3_cly_moist	
140	Clay-Coated Quartz, petro_count	min_QC_petro_count	
1271	Clay-Coated Quartz, x-ray pm	min_QC_x-ray_pm	
141	Cliachite (Bauxite), petro_count	min_CH_petro_count	
1272	Cliachite (Bauxite), x-ray pm	min_CH_x-ray_pm	
142	Clinozoisite, petro_count	min_CZ_petro_count	
1273	Clinozoisite, x-ray pm	min_CZ_x-ray_pm	
788	CO2, Biomass Flush, 10-day	CO2Biomass_10	
1033	CO2, Biomass Flush, 20-day	CO2Biomass_20	
143	Coal, petro_count	min_CC_petro_count	
1274	Coal, x-ray pm	min_CC_x-ray_pm	
34	Coarse Fragments, 2-5mm, Slaking Percentage	sp_25	
1061	Cobalt, Element Mehlich3 Extractable	co_el_meh3	
397	Cobalt, Total	co_tot	
682	Cobalt, Trace Element	co_trelm	

analyte_id	analyte_name	analyte_abbrev	Notes
1202	Cobalt, Water Element	co_wtelm	
1163	Cobalt, Water Extractable	co_watx	
634	Cobaltite, petro_count	min_CE_petro_count	
1388	Cobaltite, x-ray pm	min_CE_x-ray_pm	
144	Collophane, petro_count	min_CO_petro_count	
1275	Collophane, x-ray pm	min_CO_x-ray_pm	
258	Color, Pyrophosphate Extract	pyr_col	
1063	Copper, Element Mehlich3 Extractable	cu_el_meh3	
398	Copper, Total	cu_tot	
683	Copper, Trace Element	cu_trelm	
1204	Copper, Water Element	cu_wtelm	
1165	Copper, Water Extractable	cu_watx	
661	Corrected ADOD	c_adod	
663	Corrected ADOD, 2-20mm	c_adod_2_20	
660	Corrected Gypsum, <2mm	c_gypl2	
665	Corrected Gypsum, 2-20mm	c_gyp_2_20	
145	Corundum, petro_count	min_CN_petro_count	
1276	Corundum, x-ray pm	min_CN_x-ray_pm	
146	Cristobalite, petro_count	min_CR_petro_count	
434	Cristobalite, x-ray	min_CR_x-ray	
1277	Cristobalite, x-ray pm	min_CR_x-ray_pm	
96	Diatoms, glass_count	min_DI_glass_count	
147	Diatoms, petro_count	min_DI_petro_count	
1278	Diatoms, x-ray pm	min_DI_x-ray_pm	
148	Diopside, petro_count	min_DP_petro_count	
1279	Diopside, x-ray pm	min_DP_x-ray_pm	
149	Dolomite, petro_count	min_DL_petro_count	
435	Dolomite, x-ray	min_DL_x-ray	
1280	Dolomite, x-ray pm	min_DL_x-ray_pm	
150	Dumortierite, petro_count	min_DU_petro_count	
1281	Dumortierite, x-ray pm	min_DU_x-ray_pm	
479	Effervescence, 1N HCl	efferv_1nhcl	
364	Electrical Conductivity, Predict, 1:2 (w/w)	ec_12pre	
372	Electrical Conductivity, Saturation Extract	ec_satp	
1181	Electrical Conductivity, Water	ec_wat	
1157	Electrical Conductivity, water extract	ec_watx	
994	Electrical Conductivity,1:20 (w/w)	ec_1_20	
151	Enstatite, petro_count	min_EN_petro_count	
436	Enstatite, x-ray	min_EN_x-ray	
1282	Enstatite, x-ray pm	min_EN_x-ray_pm	
152	Epidote, petro_count	min_EP_petro_count	
1283	Epidote, x-ray pm	min_EP_x-ray_pm	
153	Feldspar, petro_count	min_FD_petro_count	
437	Feldspar, x-ray	min_FD_x-ray	
1284	Feldspar, x-ray pm	min_FD_x-ray_pm	
154	Feldspathoids, petro_count	min_FZ_petro_count	

analyte_id	analyte_name	analyte_abbrev	Notes
1285	Feldspathoids, x-ray pm	min_FZ_x-ray_pm	
155	Ferromagnesium Mineral, petro_count	min_FM_petro_count	
1286	Ferromagnesium Mineral, x-ray pm	min_FM_x-ray_pm	
480	Fiber Type, Histosol	fib_type	
259	Fiber, Rubbed	fib_rb	
260	Fiber, Unrubbed	fib_urb	
43	Field Water Content, <2mm	fw_l2	
602	Field Water Content, Clod	fw_clod	
20	Field Water Content, Compliant Cavity	fw_cc	
601	Field Water Content, Core	fw_core	
798	Fluorapatite, x-ray	min_FT_x-ray	
373	Fluoride, Saturation Extract	fl_satx	
1190	Fluoride, Water	fl_wat	
1149	Fluoride, water extract	fl_watx	
156	Fluorite, petro_count	min_FU_petro_count	
1287	Fluorite, x-ray pm	min_FU_x-ray_pm	
787	FMOD, Bio, <2 mm	FMODBlt2	
794	FMOD, Bio, whole soil	FMODBwh	
157	Foraminifera, petro_count	min_FF_petro_count	
1288	Foraminifera, x-ray pm	min_FF_x-ray_pm	
158	Galena, petro_count	min_GG_petro_count	
1289	Galena, x-ray pm	min_GG_x-ray_pm	
159	Garnet, petro_count	min_GN_petro_count	
1290	Garnet, x-ray pm	min_GN_x-ray_pm	
55	Gibbsite, dsc	min_GI_dsc	
160	Gibbsite, petro_count	min_GI_petro_count	
387	Gibbsite, tga	min_GI_tga	
438	Gibbsite, x-ray	min_GI_x-ray	
1291	Gibbsite, x-ray pm	min_GI_x-ray_pm	
98	Glass Aggregates, glass_count	min_GA_glass_count	
161	Glass Aggregates, petro_count	min_GA_petro_count	
1292	Glass Aggregates, x-ray pm	min_GA_x-ray_pm	
162	Glass Coated Feldspar, petro_count	min_FG_petro_count	
1293	Glass Coated Feldspar, x-ray pm	min_FG_x-ray_pm	
163	Glass Coated Grain, petro_count	min_GC_petro_count	
1294	Glass Coated Grain, x-ray pm	min_GC_x-ray_pm	
164	Glass Coated Hornblende, petro_count	min_HG_petro_count	
1295	Glass Coated Hornblende, x-ray pm	min_HG_x-ray_pm	
165	Glass Coated Opaque, petro_count	min_OG_petro_count	
1296	Glass Coated Opaque, x-ray pm	min_OG_x-ray_pm	
166	Glass Coated Quartz, petro_count	min_QG_petro_count	
1297	Glass Coated Quartz, x-ray pm	min_QG_x-ray_pm	
99	Glass, glass_count	min_GS_glass_count	
167	Glass, petro_count	min_GS_petro_count	
1298	Glass, x-ray pm	min_GS_x-ray_pm	
100	Glass-coated Feldspar, glass_count	min_FG_glass_count	

dbo_analyte

analyte_id	analyte_name	analyte_abbrev	Notes
101	Glass-coated Grain, glass_count	min_GC_glass_count	
102	Glass-coated Hornblende, glass_count	min_HG_glass_count	
103	Glass-coated Opaques, glass count	min_OG_glass_count	
104	Glass-coated Quartz, glass_count	min_QG_glass_count	
105	Glassy Materials, glass_count	min_GM_glass_count	
168	Glassy Materials, petro_count	min_GM_petro_count	
1299	Glassy Materials, x-ray pm	min_GM_x-ray_pm	
169	Glauconite, petro_count	min_GL_petro_count	
439	Glauconite, x-ray	min_GL_x-ray	
1300	Glauconite, x-ray pm	min_GL_x-ray_pm	
170	Glaucophane, petro_count	min_GO_petro_count	
1301	Glaucophane, x-ray pm	min_GO_x-ray_pm	
171	Goethite, petro_count	min_GE_petro_count	
388	Goethite, tga	min_GE_tga	
440	Goethite, x-ray	min_GE_x-ray	
1302	Goethite, x-ray pm	min_GE_x-ray_pm	
172	Gold, petro_count	min_GD_petro_count	
1303	Gold, x-ray pm	min_GD_x-ray_pm	
666	Gypsum 2-20mm Calculation Factor	gyp_2_20_factor	
659	Gypsum Calculation Factor	gypl2_factor	
1219	Gypsum, Equivalent Content	gypsum_ec	
1426	Gypsum, MIR predicted, unscreened	gypsum_ump	
173	Gypsum, petro_count	min_GY_petro_count	
386	Gypsum, tga	min_GY_tga	
441	Gypsum, x-ray	min_GY_x-ray	
1304	Gypsum, x-ray pm	min_GY_x-ray_pm	
635	Halite, petro_count	min_HA_petro_count	
1239	Halite, x-ray	min_HA_x-ray	
1389	Halite, x-ray pm	min_HA_x-ray_pm	
174	Halloysite, petro_count	min_KH_petro_count	
1411	Halloysite, tga	min_KH_tga	
442	Halloysite, x-ray	min_KH_x-ray	
1305	Halloysite, x-ray pm	min_KH_x-ray_pm	
175	Hematite, petro_count	min_HE_petro_count	
443	Hematite, x-ray	min_HE_x-ray	
1306	Hematite, x-ray pm	min_HE_x-ray_pm	
176	Hornblende, petro_count	min_HN_petro_count	
444	Hornblende, x-ray	min_HN_x-ray	
1307	Hornblende, x-ray pm	min_HN_x-ray_pm	
177	Hydrobiotite, petro_count	min_HB_petro_count	
445	Hydrobiotite, x-ray	min_HB_x-ray	
1308	Hydrobiotite, x-ray pm	min_HB_x-ray_pm	
1039	Hydroxy-Interlayer Smectite, petro_count	min_HS_petro_count	
858	Hydroxy-Interlayer Smectite, x-ray	min_HS_x-ray	
1040	Hydroxy-Interlayer Vermiculite, petro_count	min_HV_petro_count	
859	Hydroxy-Interlayer Vermiculite, x-ray	min_HV_x-ray	

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analyte_id	analyte_name	analyte_abbrev	Notes
179	Iddingsite, petro_count	min_ID_petro_count	
1309	Iddingsite, x-ray pm	min_ID_x-ray_pm	
636	Illite (Hydromuscovite), petro_count	min_IL_petro_count	
446	Illite (Hydromuscovite), x-ray	min_IL_x-ray	
1390	Illite (Hydromuscovite), x-ray pm	min_IL_x-ray_pm	
180	Iron Oxide-Coated Quartz, petro_count	min_QI_petro_count	
1310	Iron Oxide-Coated Quartz, x-ray pm	min_QI_x-ray_pm	
181	Iron Oxides (Goethite, Magnetite, Hematite, Li), petro_count	min_FE_petro_count	
1311	Iron Oxides (Goethite, Magnetite, Hematite, Li), x-ray pm	min_FE_x-ray_pm	
66	Iron, Dithionite Citrate Extractable	fe_dith	
1064	Iron, Element Mehlich3 Extractable	fe_el_meh3	
730	Iron, KCl Extractable	fe_kcl	
671	Iron, Major Element	fe_mjelm	
60	Iron, Oxalate Extractable	fe_ox	
73	Iron, Sodium Pyrophosphate Extractable	fe_pyp	
399	Iron, Total	fe_tot	
1205	Iron, Water Element	fe_wtelm	
1166	Iron, Water Extractable	fe_watx	
182	Jarosite, petro_count	min_JO_petro_count	
1036	Jarosite, x-ray	min_JO_x-ray	
1312	Jarosite, x-ray pm	min_JO_x-ray_pm	
56	Kaolinite, dsc	min_KK_dsc	
183	Kaolinite, petro_count	min_KK_petro_count	
389	Kaolinite, tga	min_KK_tga	
447	Kaolinite, x-ray	min_KK_x-ray	
1313	Kaolinite, x-ray pm	min_KK_x-ray_pm	
184	Kyanite, petro_count	min_KY_petro_count	
1314	Kyanite, x-ray pm	min_KY_x-ray_pm	
185	Labradorite, petro_count	min_FL_petro_count	
448	Labradorite, x-ray	min_FL_x-ray	
1315	Labradorite, x-ray pm	min_FL_x-ray_pm	
186	Lamprobolite, petro_count	min_LA_petro_count	
1316	Lamprobolite, x-ray pm	min_LA_x-ray_pm	
1071	Lead, Element Mehlich3 Extractable	pb_el_meh3	
400	Lead, Total	pb_tot	
684	Lead, Trace Element	pb_trelm	
1213	Lead, Water Element	pb_wtelm	
1174	Lead, Water Extractable	pb_watx	
638	Lepidocrocite, petro_count	min_LE_petro_count	
449	Lepidocrocite, x-ray	min_LE_x-ray	
1392	Lepidocrocite, x-ray pm	min_LE_x-ray_pm	
187	Lepidolite, petro_count	min_LP_petro_count	
1317	Lepidolite, x-ray pm	min_LP_x-ray_pm	
188	Lepidomelane, petro_count	min_LO_petro_count	
1318	Lepidomelane, x-ray pm	min_LO_x-ray_pm	
639	Leucite, petro_count	min_LI_petro_count	

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1393	Leucite, x-ray pm	min_LI_x-ray_pm	
189	Leucoxene, petro_count	min_LU_petro_count	
1319	Leucoxene, x-ray pm	min_LU_x-ray_pm	
190	Limonite, petro_count	min_LM_petro_count	
1320	Limonite, x-ray pm	min_LM_x-ray_pm	
2	Liquid Limit, Atterberg	abgll	
191	Lithiophorite, petro_count	min_LT_petro_count	
1321	Lithiophorite, x-ray pm	min_LT_x-ray_pm	
641	Maghemite, petro_count	min_MH_petro_count	
450	Maghemite, x-ray	min_MH_x-ray	
1395	Maghemite, x-ray pm	min_MH_x-ray_pm	
192	Magnesite, petro_count	min_ME_petro_count	
1322	Magnesite, x-ray pm	min_ME_x-ray_pm	
1066	Magnesium, Element Mehlich3 Extractable	mg_el_meh3	
672	Magnesium, Major Element	mg_mjelm	
77	Magnesium, Neutral Salt Extractable	mg_neutral_salt	
83	Magnesium, NH4OAc Extractable	mg_nh4	
724	Magnesium, NH4OAc Extractable, 2M KCl displacement	mg_nh4d	
374	Magnesium, Saturation Extract	mg_satx	
401	Magnesium, Total	mg_tot	
1183	Magnesium, Water	mg_wat	
1207	Magnesium, Water Element	mg_wtelm	
1168	Magnesium, Water Extractable	mg_watx	
193	Magnetite, petro_count	min_MG_petro_count	
451	Magnetite, x-ray	min_MG_x-ray	
1323	Magnetite, x-ray pm	min_MG_x-ray_pm	
67	Manganese, Dithionite Citrate Extractable	mn_dith	
1067	Manganese, Element Mehlich3 Extractable	mn_el_meh3	
70	Manganese, KCl Extractable	mn_kcl	
673	Manganese, Major Element	mn_mjelm	
61	Manganese, Oxalate Extractable	mn_ox	
74	Manganese, Sodium Pyrophosphate Extractable	mn_pyp	
402	Manganese, Total	mn_tot	
685	Manganese, Trace Element	mn_trelm	
1208	Manganese, Water Element	mn_wtelm	
1169	Manganese, Water Extractable	mn_watx	
194	Marcasite, petro_count	min_MR_petro_count	
1324	Marcasite, x-ray pm	min_MR_x-ray_pm	
651	Melanic Index	Melanic	
195	Melilite, petro_count	min_ML_petro_count	
1325	Melilite, x-ray pm	min_ML_x-ray_pm	
403	Mercury, Total	hg_tot	
686	Mercury, Trace Element	hg_trelm	
196	Mica, petro_count	min_MI_petro_count	
452	Mica, x-ray	min_MI_x-ray	
1326	Mica, x-ray pm	min_MI_x-ray_pm	

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197	Microcline, petro_count	min_FC_petro_count	
1327	Microcline, x-ray pm	min_FC_x-ray_pm	
580	micromorphology	morph	
91	Mineral Content, Loss on Ignition	min_lt2	
1074	Molybdenum, Element Mehlich3 Extractable	mo_el_meh3	
886	Molybdenum, Trace Element	mo_trelm	
1209	Molybdenum, Water Element	mo_wtelm	
1170	Molybdenum, Water Extractable	mo_watx	
199	Monazite, petro_count	min_MZ_petro_count	
1328	Monazite, x-ray pm	min_MZ_x-ray_pm	
200	Montmorillonite, petro_count	min_MT_petro_count	
1412	Montmorillonite, tga	min_MT_tga	
453	Montmorillonite, x-ray	min_MT_x-ray	
1329	Montmorillonite, x-ray pm	min_MT_x-ray_pm	
640	Montmorillonite-Chlorite, petro_count	min_MC_petro_count	
454	Montmorillonite-Chlorite, x-ray	min_MC_x-ray	
1394	Montmorillonite-Chlorite, x-ray pm	min_MC_x-ray_pm	
642	Montmorillonite-Mica, petro_count	min_MM_petro_count	
455	Montmorillonite-Mica, x-ray	min_MM_x-ray	
1396	Montmorillonite-Mica, x-ray pm	min_MM_x-ray_pm	
643	Montmorillonite-Vermiculite, petro_count	min_MV_petro_count	
456	Montmorillonite-Vermiculite, x-ray	min_MV_x-ray	
1397	Montmorillonite-Vermiculite, x-ray pm	min_MV_x-ray_pm	
201	Muscovite, petro_count	min_MS_petro_count	
457	Muscovite, x-ray	min_MS_x-ray	
1330	Muscovite, x-ray pm	min_MS_x-ray_pm	
789	N, Biomass Flush	NBiomass	
799	Natrojarosite, x-ray	min_NJ_x-ray	
1034	Natron, x-ray	min_NA_x-ray	
202	Nepheline, petro_count	min_NE_petro_count	
1331	Nepheline, x-ray pm	min_NE_x-ray_pm	
1069	Nickel, Element Mehlich3 Extractable	ni_el_meh3	
404	Nickel, Total	ni_tot	
687	Nickel, Trace Element	ni_trelm	
1211	Nickel, Water Element	ni_wtelm	
1172	Nickel, Water Extractable	ni_watx	
92	Nitrate, 1M KCl	n_no3	
375	Nitrate, Saturation Extract	no3_satx	
1191	Nitrate, Water	no3_wat	
1150	Nitrate, water extract	no3_N_watx	
1179	Nitrate-N, Water Extractable	no3_no2_N_watx	
376	Nitrite, Saturation Extract	no2_satx	
1192	Nitrite, Water	no2_wat	
1151	Nitrite, water extract	no2_N_watx	
1409	Nitrogen, hpom	Nhpom	
93	Nitrogen, Mineralizable	n_minr	

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690	Nitrogen, Mineralizable (EPA)	n_minr2	
784	Nitrogen, plants	Nplant	
773	Nitrogen, pom	Npom	
777	Nitrogen, pom mineral	Nmin	
780	Nitrogen, root	Nroot	
94	Nitrogen, Total	n_tot	
623	Nitrogen, Total NCS	n_tot_ncs	
203	Non-Crystalline, petro_count	min_NX_petro_count	
458	Non-Crystalline, x-ray	min_NX_x-ray	
1332	Non-Crystalline, x-ray pm	min_NX_x-ray_pm	
204	Oligoclase, petro_count	min_FO_petro_count	
459	Oligoclase, x-ray	min_FO_x-ray	
1333	Oligoclase, x-ray pm	min_FO_x-ray_pm	
205	Olivine, petro_count	min_OV_petro_count	
1334	Olivine, x-ray pm	min_OV_x-ray_pm	
206	Opaques, petro_count	min_OP_petro_count	
1335	Opaques, x-ray pm	min_OP_x-ray_pm	
478	Optical Density, Oxalate Extract	optd_ox	
207	Orthoclase, petro_count	min_FR_petro_count	
460	Orthoclase, x-ray	min_FR_x-ray	
1336	Orthoclase, x-ray pm	min_FR_x-ray_pm	
208	Other Resistant Minerals, petro_count	min_OR_petro_count	
1337	Other Resistant Minerals, x-ray pm	min_OR_x-ray_pm	
209	Other Weatherable Minerals, petro_count	min_OW_petro_count	
1338	Other Weatherable Minerals, x-ray pm	min_OW_x-ray_pm	
106	Other, glass count	min_OT_glass_count	
210	Other, petro_count	min_OT_petro_count	
1339	Other, x-ray pm	min_OT_x-ray_pm	
1406	p-nitrophenol, ß-Glucosidase	PNitrophen	
1037	Palagonite, glass_count	min_PA_glass_count	
644	Palagonite, petro_count	min_PA_petro_count	
1398	Palagonite, x-ray pm	min_PA_x-ray_pm	
645	Palygorskite, petro_count	min_PG_petro_count	
1413	Palygorskite, tga	min_PG_tga	
461	Palygorskite, x-ray	min_PG_x-ray	
1399	Palygorskite, x-ray pm	min_PG_x-ray_pm	
1011	Paragonite, x-ray	min_PT_x-ray	
262	Particle density <2 mm	pd_l2	
263	Particle density >2 mm	pd_g2	
786	Percent, plants	Perplant	
782	Percent, roots	Perroot	
211	Perovskite, petro_count	min_PK_petro_count	
1340	Perovskite, x-ray pm	min_PK_x-ray_pm	
477	pH, 0.01M CaCl2, Histosol	ph_hist	
265	pH, 1:1 Soil-KCl Suspension	ph_kcl	
268	pH, 1:1 Soil-Water Suspension	ph_h2o	

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481	pH, 1:2 Soil-CaCl2 Suspension	ph_cacl2	
266	pH, 1:50 Soil-NaFl Suspension	ph_naf	
890	pH, Oxidized (initial)	ph_oxin	
267	pH, Oxidized (sulfidic)	ph_ox	
482	pH, Saturated Paste	ph_sp	
1180	pH, Water	ph_wat	
1156	pH, Water Extract	ph_watx	
212	Phlogopite, petro_count	min_PL_petro_count	
462	Phlogopite, x-ray	min_PL_x-ray	
1341	Phlogopite, x-ray pm	min_PL_x-ray_pm	
378	Phosphate, Saturation Extract	p_satx	
1193	Phosphate, Water	p_wat	
1152	Phosphate, water extract	po4_watx	
838	Phosphorus, Anion Resin Extractable, 1 hour	p_resin1	
839	Phosphorus, Anion Resin Extractable, 24 hour	p_resin24	
1218	Phosphorus, Anion Resin Water, 24 hour	p_resinw24	
270	Phosphorus, Bray-1 Extractable	p_bray1	
271	Phosphorus, Bray-2 Extractable	p_bray2	
272	Phosphorus, Citric Acid Extractable	p_citx	
1070	Phosphorus, Element Mehlich3 Extractable	p_el_meh3	
1038	Phosphorus, Ground/Water	p_w	
674	Phosphorus, Major Element	p_mjelm	
652	Phosphorus, Mehlich3 Extractable	p_mehlich3	
273	Phosphorus, New Zealand P Retention	p_nz	
274	Phosphorus, Olsen Extractable	p_olsn	
63	Phosphorus, Oxalate Extractable	p_ox	
405	Phosphorus, Total	p_tot	
688	Phosphorus, Trace Element	p_trelm	
1212	Phosphorus, Water Element	p_wtelm	
1173	Phosphorus, Water Extractable	p_watx	
269	Phosphorus, Water Soluble	p_h2o	
213	Piemontite, petro_count	min_PD_petro_count	
1342	Piemontite, x-ray pm	min_PD_x-ray_pm	
214	Plagioclase Feldspar, petro_count	min_FP_petro_count	
463	Plagioclase Feldspar, x-ray	min_FP_x-ray	
1343	Plagioclase Feldspar, x-ray pm	min_FP_x-ray_pm	
107	Plant Opal, glass_count	min_PO_glass_count	
215	Plant Opal, petro_count	min_PO_petro_count	
1344	Plant Opal, x-ray pm	min_PO_x-ray_pm	
3	Plastic Limit, Atterberg	abgpl	
818	Plasticity Index, Atterberg	abgpi	
216	Plumbojarosite, petro_count	min_PJ_petro_count	
1345	Plumbojarosite, x-ray pm	min_PJ_x-ray_pm	
217	Pollen, petro_count	min_PN_petro_count	
1346	Pollen, x-ray pm	min_PN_x-ray_pm	
218	Potassium Feldspar, petro_count	min_FK_petro_count	

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464	Potassium Feldspar, x-ray	min_FK_x-ray	
1347	Potassium Feldspar, x-ray pm	min_FK_x-ray_pm	
1065	Potassium, Element Mehlich3 Extractable	k_el_meh3	
675	Potassium, Major Element	k_mjelm	
78	Potassium, Neutral Salt Extractable	k_neutral_salt	
84	Potassium, NH4OAc Extractable	k_nh4	
725	Potassium, NH4OAc Extractable, 2M KCl displacement	k_nh4d	
379	Potassium, Saturation Extract	k_satx	
406	Potassium, Total	k_tot	
1184	Potassium, Water	k_wat	
1206	Potassium, Water Element	k_wtelm	
1167	Potassium, Water Extractable	k_watx	
1041	Pumice, glass_count	min_PM_glass_count	
1042	Pumice, petro_count	min_PM_petro_count	
1405	Pumice, x-ray pm	min_PM_x-ray_pm	
219	Pyrite, petro_count	min_PI_petro_count	
1348	Pyrite, x-ray pm	min_PI_x-ray_pm	
220	Pyrolusite, petro_count	min_PU_petro_count	
1349	Pyrolusite, x-ray pm	min_PU_x-ray_pm	
221	Pyrophyllite, petro_count	min_PY_petro_count	
465	Pyrophyllite, x-ray	min_PY_x-ray	
1350	Pyrophyllite, x-ray pm	min_PY_x-ray_pm	
222	Pyroxene, petro_count	min_PR_petro_count	
1351	Pyroxene, x-ray pm	min_PR_x-ray_pm	
223	Quartz, petro_count	min_QZ_petro_count	
466	Quartz, x-ray	min_QZ_x-ray	
1352	Quartz, x-ray pm	min_QZ_x-ray_pm	
420	Ratio, Air-dry/Ovendry	adod	
224	Resistant Aggregates, petro_count	min_RA_petro_count	
1353	Resistant Aggregates, x-ray pm	min_RA_x-ray_pm	
225	Resistant Mineraloids, petro_count	min_MD_petro_count	
1354	Resistant Mineraloids, x-ray pm	min_MD_x-ray_pm	
226	Resistant Minerals, petro_count	min_RE_petro_count	
467	Resistant Minerals, x-ray	min_RE_x-ray	
1355	Resistant Minerals, x-ray pm	min_RE_x-ray_pm	
995	Resistivity	resistv	
380	Resistivity, Saturated Paste	resist	
227	Rhodochrosite, petro_count	min_RO_petro_count	
1356	Rhodochrosite, x-ray pm	min_RO_x-ray_pm	
228	Riebeckite (Blue Amphibole), petro_count	min_RB_petro_count	
1357	Riebeckite (Blue Amphibole), x-ray pm	min_RB_x-ray_pm	
229	Rutile, petro_count	min_RU_petro_count	
1358	Rutile, x-ray pm	min_RU_x-ray_pm	
338	Sand, Coarse	sand_c_psa	
276	Sand, Coarse PSDA, Dith, Pipet	sand_c_Dith	
283	Sand, Coarse PSDA, Moist, Dith, Pipet	sand_c_Moist_Dith	

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290	Sand, Coarse PSDA, Moist, NaOAc, Pipet	sand_c_Moist_NaOAc	
297	Sand, Coarse PSDA, Moist, NaOH, Pipet	sand_c_Moist_NaOH	
307	Sand, Coarse PSDA, Moist, Pipet	sand_c_Moist	
314	Sand, Coarse PSDA, Moist, Ultrasonic, Pipet	sand_c_Moist_Ultra	
321	Sand, Coarse PSDA, NaOAc, Pipet	sand_c_NaOAc	
328	Sand, Coarse PSDA, NaOH, Pipet	sand_c_NaOH	
345	Sand, Coarse PSDA, Ultrasonic, Pipet	sand_c_Ultrasonic	
1420	Sand, Coarse, Ethanol Disp, Air-dry, Ultra	e_snd_c_u	
1232	Sand, Coarse, H2O Disp, Air-dry, Ultra	w_snd_c_u	
1223	Sand, Coarse, H2O Disp, Moist, Ultra	w_snd_c_mu	
354	Sand, Coarse, H2O Dispersible	w_snd_c	
980	Sand, Coarse, H2O Dispersible, Moist	w_snd_c_moist	
339	Sand, Fine	sand_f_psa	
277	Sand, Fine PSDA, Dith, Pipet	sand_f_Dith	
284	Sand, Fine PSDA, Moist, Dith, Pipet	sand_f_Moist_Dith	
291	Sand, Fine PSDA, Moist, NaOAc, Pipet	sand_f_Moist_NaOAc	
298	Sand, Fine PSDA, Moist, NaOH, Pipet	sand_f_Moist_NaOH	
308	Sand, Fine PSDA, Moist, Pipet	sand_f_Moist	
315	Sand, Fine PSDA, Moist, Ultrasonic, Pipet	sand_f_Moist_Ultra	
322	Sand, Fine PSDA, NaOAc, Pipet	sand_f_NaOAc	
329	Sand, Fine PSDA, NaOH, Pipet	sand_f_NaOH	
346	Sand, Fine PSDA, Ultrasonic, Pipet	sand_f_Ultrasonic	
1418	Sand, Fine, Ethanol Disp, Air-dry, Ultra	e_snd_f_u	
1233	Sand, Fine, H2O Disp, Air-dry, Ultra	w_snd_f_u	
1224	Sand, Fine, H2O Disp, Moist, Ultra	w_snd_f_mu	
355	Sand, Fine, H2O Dispersible	w_snd_f	
981	Sand, Fine, H2O Dispersible, Moist	w_snd_f_moist	
361	Sand, H2O Dispersible, Hydrometer	w_snd_h	
340	Sand, Medium	sand_m_psa	
278	Sand, Medium PSDA, Dith, Pipet	sand_m_Dith	
285	Sand, Medium PSDA, Moist, Dith, Pipet	sand_m_Moist_Dith	
292	Sand, Medium PSDA, Moist, NaOAc, Pipet	sand_m_Moist_NaOAc	
299	Sand, Medium PSDA, Moist, NaOH, Pipet	sand_m_Moist_NaOH	
309	Sand, Medium PSDA, Moist, Pipet	sand_m_Moist	
316	Sand, Medium PSDA, Moist, Ultrasonic, Pipet	sand_m_Moist_Ultra	
323	Sand, Medium PSDA, NaOAc, Pipet	sand_m_NaOAc	
330	Sand, Medium PSDA, NaOH, Pipet	sand_m_NaOH	
347	Sand, Medium PSDA, Ultrasonic, Pipet	sand_m_Ultrasonic	
1419	Sand, Medium, Ethanol Disp, Air-dry, Ultra	e_snd_m_u	
1234	Sand, Medium, H2O Disp, Air-dry, Ultra	w_snd_m_u	
1225	Sand, Medium, H2O Disp, Moist, Ultra	w_snd_m_mu	
356	Sand, Medium, H2O Dispersible	w_snd_m	
982	Sand, Medium, H2O Dispersible, Moist	w_snd_m_moist	
341	Sand, Very Coarse	sand_vc_psa	
279	Sand, Very Coarse PSDA, Dith, Pipet	sand_vc_Dith	
286	Sand, Very Coarse PSDA, Moist, Dith, Pipet	sand_vc_Moist_Dith	

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293	Sand, Very Coarse PSDA, Moist, NaOAc, Pipet	sand_vc_Moist_NaOAc	
300	Sand, Very Coarse PSDA, Moist, NaOH, Pipet	sand_vc_Moist_NaOH	
310	Sand, Very Coarse PSDA, Moist, Pipet	sand_vc_Moist	
317	Sand, Very Coarse PSDA, Moist, Ultrasonic, Pipet	sand_vc_Moist_Ultra	
324	Sand, Very Coarse PSDA, NaOAc, Pipet	sand_vc_NaOAc	
331	Sand, Very Coarse PSDA, NaOH, Pipet	sand_vc_NaOH	
348	Sand, Very Coarse PSDA, Ultrasonic, Pipet	sand_vc_Ultrasonic	
1421	Sand, Very Coarse, Ethanol Disp, Air-dry, Ultra	e_snd_vc_u	
1235	Sand, Very Coarse, H2O Disp, Air-dry, Ultra	w_snd_vc_u	
1226	Sand, Very Coarse, H2O Disp, Moist, Ultra	w_snd_vc_mu	
357	Sand, Very Coarse, H2O Dispersible	w_snd_vc	
983	Sand, Very Coarse, H2O Dispersible, Moist	w_snd_vc_moist	
342	Sand, Very Fine	sand_vf_psa	
280	Sand, Very Fine PSDA, Dith, Pipet	sand_vf_Dith	
287	Sand, Very Fine PSDA, Moist, Dith, Pipet	sand_vf_Moist_Dith	
294	Sand, Very Fine PSDA, Moist, NaOAc, Pipet	sand_vf_Moist_NaOAc	
301	Sand, Very Fine PSDA, Moist, NaOH, Pipet	sand_vf_Moist_NaOH	
311	Sand, Very Fine PSDA, Moist, Pipet	sand_vf_Moist	
318	Sand, Very Fine PSDA, Moist, Ultrasonic, Pipet	sand_vf_Moist_Ultra	
325	Sand, Very Fine PSDA, NaOAc, Pipet	sand_vf_NaOAc	
332	Sand, Very Fine PSDA, NaOH, Pipet	sand_vf_NaOH	
349	Sand, Very Fine PSDA, Ultrasonic, Pipet	sand_vf_Ultrasonic	
1417	Sand, Very Fine, Ethanol Disp, Air-dry, Ultra	e_snd_vf_u	
1236	Sand, Very Fine, H2O Disp, Air-dry, Ultra	w_snd_vf_u	
1227	Sand, Very Fine, H2O Disp, Moist, Ultra	w_snd_vf_mu	
358	Sand, Very Fine, H2O Dispersible	w_snd_vf	
984	Sand, Very Fine, H2O Dispersible, Moist	w_snd_vf_moist	
230	Sanidine, petro_count	min_FS_petro_count	
1359	Sanidine, x-ray pm	min_FS_x-ray_pm	
646	Scapolite, petro_count	min_SC_petro_count	
1400	Scapolite, x-ray pm	min_SC_x-ray_pm	
1072	Selenium, Element Mehlich3 Extractable	se_el_meh3	
407	Selenium, Total	se_tot	
883	Selenium, Trace Element	se_trelm	
647	Sepiolite, petro_count	min_SE_petro_count	
468	Sepiolite, x-ray	min_SE_x-ray	
1401	Sepiolite, x-ray pm	min_SE_x-ray_pm	
231	Sericite, petro_count	min_SR_petro_count	
1360	Sericite, x-ray pm	min_SR_x-ray_pm	
1422	Serpentine, petro_count	min_SZ_petro_count	
1407	Serpentine, x-ray	min_SZ_x-ray	
232	Siderite, petro_count	min_SI_petro_count	
1361	Siderite, x-ray pm	min_SI_x-ray_pm	
233	Siliceous Aggregates, petro_count	min_SA_petro_count	
1362	Siliceous Aggregates, x-ray pm	min_SA_x-ray_pm	
68	Silicon, Dithionite Citrate Extractable	si_dith	

analyte_id	analyte_name	analyte_abbrev	Notes
1075	Silicon, Element Mehlich3 Extractable	si_el_meh3	
676	Silicon, Major Element	si_mjelm	
64	Silicon, Oxalate Extractable	si_ox	
408	Silicon, Total	si_tot	
1214	Silicon, Water Element	si_wtelm	
1175	Silicon, Water Extractable	si_watx	
234	Sillimanite, petro_count	min_SL_petro_count	
1363	Sillimanite, x-ray pm	min_SL_x-ray_pm	
343	Silt, Fine	silt_f_psa	
281	Silt, Fine PSDA, Dith, Pipet	silt_f_Dith	
288	Silt, Fine PSDA, Moist, Dith, Pipet	silt_f_Moist_Dith	
295	Silt, Fine PSDA, Moist, NaOAc, Pipet	silt_f_Moist_NaOAc	
302	Silt, Fine PSDA, Moist, NaOH, Pipet	silt_f_Moist_NaOH	
312	Silt, Fine PSDA, Moist, Pipet	silt_f_Moist	
319	Silt, Fine PSDA, Moist, Ultrasonic, Pipet	silt_f_Moist_Ultra	
326	Silt, Fine PSDA, NaOAc, Pipet	silt_f_NaOAc	
333	Silt, Fine PSDA, NaOH, Pipet	silt_f_NaOH	
350	Silt, Fine PSDA, Ultrasonic, Pipet	silt_f_Ultrasonic	
1237	Silt, Fine, H2O Disp, Air-dry, Ultra	w_slt_f_u	
1228	Silt, Fine, H2O Disp, Moist, Ultra	w_slt_f_mu	
359	Silt, Fine, H2O Dispersible	w_slt_f	
985	Silt, Fine, H2O Dispersible, Moist	w_slt_f_moist	
362	Silt, H2O Dispersible, Hydrometer	w_slt_h	
878	Silver, Trace Element	ag_trelm	
648	Smectite, petro_count	min_SM_petro_count	
1402	Smectite, x-ray pm	min_SM_x-ray_pm	
1068	Sodium, Element Mehlich3 Extractable	na_el_meh3	
677	Sodium, Major Element	na_mjelm	
79	Sodium, Neutral Salt Extractable	na_neutral_salt	
85	Sodium, NH4OAc Extractable	na_nh4	
726	Sodium, NH4OAc Extractable, 2M KCl displacement	na_nh4d	
381	Sodium, Saturation Extract	na_satx	
409	Sodium, Total	na_tot	
1185	Sodium, Water	na_wat	
1210	Sodium, Water Element	na_wtelm	
1171	Sodium, Water Extractable	na_watx	
235	Sphalerite, petro_count	min_SG_petro_count	
1364	Sphalerite, x-ray pm	min_SG_x-ray_pm	
236	Sphene, petro_count	min_SP_petro_count	
1365	Sphene, x-ray pm	min_SP_x-ray_pm	
237	Spinel, petro_count	min_SN_petro_count	
1366	Spinel, x-ray pm	min_SN_x-ray_pm	
108	Sponge Spicule, glass_count	min_SS_glass_count	
238	Sponge Spicule, petro_count	min_SS_petro_count	
1367	Sponge Spicule, x-ray pm	min_SS_x-ray_pm	
239	Staurolite, petro_count	min_SO_petro_count	

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1368	Staurolite, x-ray pm	min_SO_x-ray_pm	
240	Stilbite, petro_count	min_ST_petro_count	
1369	Stilbite, x-ray pm	min_ST_x-ray_pm	
1076	Strontium, Element Mehlich3 Extractable	sr_el_meh3	
1032	Strontium, Major Element	sr_mjelm	
885	Strontium, Trace Element	sr_trelm	
1215	Strontium, Water Element	sr_wtelm	
1176	Strontium, Water Extractable	sr_watx	
382	Sulfate, Saturation Extract	so4_satx	
1194	Sulfate, Water	so4_wat	
1153	Sulfate, water extract	so4_watx	
1410	Sulfur, hpom	Shpom	
785	Sulfur, plants	Splant	
775	Sulfur, pom	Spom	
778	Sulfur, pom mineral	Smin	
781	Sulfur, root	Sroot	
384	Sulfur, Total	s_tot	
624	Sulfur, Total NCS	s_tot_ncs	
241	Sulphur, petro_count	min_SU_petro_count	
1370	Sulphur, x-ray pm	min_SU_x-ray_pm	
385	Surface Area, Ethylene Glycol Monoethyl Ether	sa_egme	
1238	Surface Area, N2 Adsorption	surfarea_N2	
242	Talc, petro_count	min_TA_petro_count	
469	Talc, x-ray	min_TA_x-ray	
1371	Talc, x-ray pm	min_TA_x-ray_pm	
932	Thallium, Trace Element	tl_trelm	
650	Thenardite, petro_count	min_TH_petro_count	
470	Thenardite, x-ray	min_TH_x-ray	
1404	Thenardite, x-ray pm	min_TH_x-ray_pm	
888	Tin, Trace Element	sn_trelm	
678	Titanium, Major Element	ti_mjelm	
410	Titanium, Total	ti_tot	
243	Topaz, petro_count	min_TP_petro_count	
1372	Topaz, x-ray pm	min_TP_x-ray_pm	
244	Tourmaline, petro_count	min_TM_petro_count	
1373	Tourmaline, x-ray pm	min_TM_x-ray_pm	
245	Tremolite, petro_count	min_TE_petro_count	
1374	Tremolite, x-ray pm	min_TE_x-ray_pm	
649	Tridymite, petro_count	min_TD_petro_count	
471	Tridymite, x-ray	min_TD_x-ray	
1403	Tridymite, x-ray pm	min_TD_x-ray_pm	
889	Tungsten, Trace Element	w_trelm	
89	Uncorrected Gypsum, < 2mm Fraction	u_gypl2	
90	Uncorrected Gypsum, 2 to 20mm	u_gyp_2_20	
887	Vanadium, Trace Element	v_trelm	
1216	Vanadium, Water Element	v_wtelm	

analyte_id	analyte_name	analyte_abbrev	Notes
1177	Vanadium, Water Extractable	v_watx	
246	Vermiculite, petro_count	min_VR_petro_count	
472	Vermiculite, x-ray	min_VR_x-ray	
1375	Vermiculite, x-ray pm	min_VR_x-ray_pm	
247	Vermiculite-Chlorite, petro_count	min_VC_petro_count	
473	Vermiculite-Chlorite, x-ray	min_VC_x-ray	
1376	Vermiculite-Chlorite, x-ray pm	min_VC_x-ray_pm	
248	Vermiculite-Hydrobiotite, petro_count	min_VH_petro_count	
474	Vermiculite-Hydrobiotite, x-ray	min_VH_x-ray	
1377	Vermiculite-Hydrobiotite, x-ray pm	min_VH_x-ray_pm	
249	Vermiculite-Mica, petro_count	min_VM_petro_count	
475	Vermiculite-Mica, x-ray	min_VM_x-ray	
1378	Vermiculite-Mica, x-ray pm	min_VM_x-ray_pm	
250	Vivianite, petro_count	min_VI_petro_count	
1379	Vivianite, x-ray pm	min_VI_x-ray_pm	
80	Volume, CEC, NH4Cl Syringe Extract	volcecextr_NH4Cl	
86	Volume, CEC, NH4OAc, Syringe Extract	volcecextr_NH4OAc	
750	Volume, CEC, NH4OAc, Syringe Extract, 2M KCl displacement	volcecextr_NH4d	
383	Water Content, Saturated Paste	h2osatx	
6	Water Retention, 0.06 Bar, <2mm Clod	w6clod	
413	Water Retention, 0.06 Bar, <2mm Sieve	w6l2	
11	Water Retention, 0.06 Bar, Cores	w6core	
7	Water Retention, 1 Bar, <2mm Clod	w1bcld	
416	Water Retention, 1 Bar, <2mm Sieve, Air-dry	w1bl2	
12	Water Retention, 1 Bar, Cores	w1bcore	
8	Water Retention, 1/10 Bar, <2mm Clod	w10cld	
414	Water Retention, 1/10 Bar, <2mm Sieve, Air-dry	w10l2	
13	Water Retention, 1/10 Bar, Cores	w10core	
9	Water Retention, 1/3 Bar, <2mm Clod	w3cld	CLODDB -
415	Water Retention, 1/3 Bar, <2mm Sieve	w32l2	
26	Water Retention, 1/3 Bar, Before Rewet	w3brw	
14	Water Retention, 1/3 Bar, Cores	w3core	
18	Water Retention, 1/3 Bar, Reconstituted, Moist	w3rec	
27	Water Retention, 1/3 Bar, Rewet	w3rw	
417	Water Retention, 15 Bar, <2mm, Air-dry	w15l2	
418	Water Retention, 2 Bar, <2mm Sieve, Air-dry	w2bl2	
15	Water Retention, 2 Bar, Cores	w2bcore	
1035	Water Retention, 5 Bar, <2mm Sieve, Air-dry	w5bl2	
251	Wavellite, petro_count	min_WV_petro_count	
1380	Wavellite, x-ray pm	min_WV_x-ray_pm	
252	Weatherable Aggregates, petro_count	min_AR_petro_count	
1381	Weatherable Aggregates, x-ray pm	min_AR_x-ray_pm	
253	Weatherable Mineral, petro_count	min_WE_petro_count	
1382	Weatherable Mineral, x-ray pm	min_WE_x-ray_pm	
44	Weight, >75mm	wt_gt_75	
45	Weight, 2-5mm	wt_2_5	

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analyte_id	analyte_name	analyte_abbrev	Notes
46	Weight, 2-5mm, preslaked	wt_2_5_pre	
47	Weight, 2-5mm, slaked	wt_2_5_sla	
48	Weight, 20-75mm	wt_20_75	
49	Weight, 5-20mm	wt_5_20	
50	Weight, air-dry sample	wt_air_dry	
51	Weight, moist sample	wt_moist	
52	Weight, shelf sample	wt_shelf	
53	Weight, sub-sample air-dry	wt_sub_sam	
254	Zeolite, petro_count	min_ZE_petro_count	
476	Zeolite, x-ray	min_ZE_x-ray	
1383	Zeolite, x-ray pm	min_ZE_x-ray_pm	
1073	Zinc, Element Mehlich3 Extractable	zn_el_meh3	
411	Zinc, Total	zn_tot	
689	Zinc, Trace Element	zn_trelm	
1217	Zinc, Water Element	zn_wtelm	
1178	Zinc, Water Extractable	zn_watx	
255	Zircon, petro_count	min_ZR_petro_count	
1384	Zircon, x-ray pm	min_ZR_x-ray_pm	
679	Zirconium, Major Element	zr_mjelm	
412	Zirconium, Total	zr_tot	
256	Zoisite, petro_count	min_ZO_petro_count	
1385	Zoisite, x-ray pm	min_ZO_x-ray_pm	

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