

Appendix da98-06 TSA Drill

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0001	DAD001A004	4.07	5.43	Illite	1	NULL	NULL	61.28		1.06
DAD-0001	DAD001A005	5.43	6.78	Illite	1	NULL	NULL	43.61		1.06
DAD-0001	DAD001A006	6.78	7.68	Illite	1	NULL	NULL	35.62		1.06
DAD-0001	DAD001A007	7.68	8.59	Illite	1	NULL	NULL	22.68		1.04
DAD-0001	DAD001A008	8.59	9.49	Illite	1	NULL	NULL	22.68		1.04
DAD-0001	DAD001A009	9.49	10.4	Illite	1	NULL	NULL	45.05		1.1
DAD-0001	DAD001A010	10.4	11.3	Illite	1	NULL	NULL	36.99		1.08
DAD-0001	DAD001A011	11.3	12.16	Illite	1	NULL	NULL	45.54		1.06
DAD-0001	DAD001A012	12.16	13.03	Illite	1	NULL	NULL	55.97		0.991
DAD-0001	DAD001A013	13.03	13.89	Illite	1	NULL	NULL	157.85		0.976
DAD-0001	DAD001A014	13.89	14.75	Illite	1	NULL	NULL	77.45		1.01
DAD-0001	DAD001A015	14.75	15.61	Illite	1	NULL	NULL	43.79		0.975
DAD-0001	DAD001A016	15.61	16.48	Illite	1	NULL	NULL	78.23		1.05
DAD-0001	DAD001A017	16.48	17.34	Illite	1	NULL	NULL	112.21		1.08
DAD-0001	DAD001A018	17.34	18.22	Illite	1	NULL	NULL	81.99		1.05
DAD-0001	DAD001A019	18.22	19.11	Illite	0.616	Paragonite	0.384	76.11		1.08
DAD-0001	DAD001A020	19.11	19.99	Paragonite	0.539	Muscovite	0.461	142.47		0.979
DAD-0001	DAD001A021	19.99	20.87	Paragonite	0.545	Muscovite	0.455	75.12		1.15
DAD-0001	DAD001A022	20.87	21.75	Paragonite	0.545	Muscovite	0.455	75.12		1.15
DAD-0001	DAD001A023	21.75	22.64	Illite	0.577	Paragonite	0.423	48.92		1.2
DAD-0001	DAD001A024	22.64	23.52	Illite	1	NULL	NULL	106.98		1.03
DAD-0001	DAD001A025	23.52	24.39	Paragonite	1	NULL	NULL	162.82		1.01
DAD-0001	DAD001A026	24.39	25.26	Illite	1	NULL	NULL	125.39		1
DAD-0001	DAD001A027	25.26	26.13	Paragonite	0.531	Muscovite	0.469	77.35		1.04
DAD-0001	DAD001A028	26.13	27.01	Illite	1	NULL	NULL	73.73		0.974
DAD-0001	DAD001A029	27.01	27.88	Paragonite	0.511	Muscovite	0.489	90.96		1.03
DAD-0001	DAD001A030	27.88	28.75	Illite	0.539	Paragonite	0.461	55.48		1.07
DAD-0001	DAD001A031	28.75	29.62	Paragonite	0.506	Muscovite	0.494	43.37		1.11
DAD-0001	DAD001A032	29.62	30.52	Illite	0.554	Paragonite	0.446	80.8		0.98
DAD-0001	DAD001A033	30.52	31.42	Illite	1	NULL	NULL	75.24		1
DAD-0001	DAD001A034	31.42	32.32	Illite	0.942	Gypsum	0.0575	43.69		0.965
DAD-0001	DAD001A035	32.32	33.22	Illite	0.686	Nacrite	0.314	52.14		1.05
DAD-0001	DAD001A036	33.22	34.12	Illite	0.562	Dickite	0.438	95.89		1.19
DAD-0001	DAD001A037	34.12	35.02	Illite	0.684	Paragonite	0.316	37.74		1.18
DAD-0001	DAD001A038	35.02	35.92	Dickite	1	NULL	NULL	104.23		1.59
DAD-0001	DAD001A039	35.92	36.75	Illite	0.702	Dickite	0.298	63.74		1.25
DAD-0001	DAD001A040	36.75	37.57	Dickite	1	NULL	NULL	140.35		1.33
DAD-0001	DAD001A041	37.57	38.4	Illite	0.715	Nacrite	0.285	47.53		1.16
DAD-0001	DAD001A042	38.4	39.22	Illite	0.71	Dickite	0.29	56.73		1.03
DAD-0001	DAD001A043	39.22	40.05	Illite	0.511	Paragonite	0.489	61.26		1.05
DAD-0001	DAD001A044	40.05	40.87	Illite	0.56	Paragonite	0.44	42.04		1.2
DAD-0001	DAD001A045	40.87	41.7	Paragonite	0.554	Illite	0.446	32.89		1.22
DAD-0001	DAD001A046	41.7	42.57	Illite	0.507	Paragonite	0.493	48.09		1.06
DAD-0001	DAD001A047	42.57	43.44	Illite	0.572	Paragonite	0.428	45.15		1.07
DAD-0001	DAD001A048	43.44	44.31	Illite	0.558	Paragonite	0.442	44.29		1.05
DAD-0001	DAD001A049	44.31	45.19	Illite	1	NULL	NULL	83.08		1.03
DAD-0001	DAD001A050	45.19	46.06	Illite	1	NULL	NULL	93.3		1.07
DAD-0001	DAD001A051	46.06	46.93	Muscovite	0.534	Paragonite	0.466	71.51		1.04
DAD-0001	DAD001A052	46.93	47.8	Muscovite	0.568	Paragonite	0.432	61.16		1.07
DAD-0001	DAD001A053	47.8	48.71	Illite	1	NULL	NULL	111.18		1.06
DAD-0001	DAD001A054	48.71	49.63	Illite	1	NULL	NULL	147.87		0.986
DAD-0001	DAD001A055	49.63	50.54	Illite	1	NULL	NULL	128.46		1.01
DAD-0001	DAD001A056	50.54	51.46	Illite	1	NULL	NULL	99.36		1.01
DAD-0001	DAD001A057	51.46	52.37	Illite	1	NULL	NULL	102.82		1.01
DAD-0001	DAD001A058	52.37	53.29	Illite	1	NULL	NULL	104.65		1.01
DAD-0001	DAD001A059	53.29	54.2	Illite	0.911	Gypsum	0.0888	120.97		0.985
DAD-0001	DAD001A060	54.2	55.03	Illite	1	NULL	NULL	41.3		1.01
DAD-0001	DAD001A061	55.03	55.87	Illite	1	NULL	NULL	35.48		0.989

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0001	DAD001A062	55.87	56.7	Illite	1	NULL	NULL	152.52		0.998
DAD-0001	DAD001A063	56.7	57.53	Muscovite	0.533	Paragonite	0.467	85.97		0.994
DAD-0001	DAD001A064	57.53	58.37	Illite	1	NULL	NULL	129.19		0.946
DAD-0001	DAD001A065	58.37	59.2	Illite	1	NULL	NULL	91.32		1.03
DAD-0001	DAD001A066	59.2	60.06	Illite	1	NULL	NULL	117.7		0.989
DAD-0001	DAD001A067	60.06	60.91	Illite	1	NULL	NULL	98.96		0.999
DAD-0001	DAD001A068	60.91	61.77	Illite	1	NULL	NULL	127.66		0.995
DAD-0001	DAD001A069	61.77	62.63	Illite	1	NULL	NULL	163.2		0.977
DAD-0001	DAD001A070	62.63	63.49	Illite	1	NULL	NULL	197.92		0.955
DAD-0001	DAD001A071	63.49	64.34	Illite	1	NULL	NULL	68.64		1.01
DAD-0001	DAD001A072	64.34	65.2	Muscovite	0.564	Paragonite	0.436	50.04		1.03
DAD-0001	DAD001A073	65.2	66.08	Illite	1	NULL	NULL	162.24		0.98
DAD-0001	DAD001A074	66.08	66.96	Muscovite	0.535	Paragonite	0.465	72.19		0.987
DAD-0001	DAD001A075	66.96	67.84	Muscovite	0.523	Paragonite	0.477	107.43		0.998
DAD-0001	DAD001A076	67.84	68.72	Muscovite	0.547	Paragonite	0.453	59.51		1.02
DAD-0001	DAD001A077	68.72	69.6	Illite	1	NULL	NULL	133.3		1.01
DAD-0001	DAD001A078	69.6	70.47	Muscovite	0.506	Paragonite	0.494	68.24		1.04
DAD-0001	DAD001A079	70.47	71.33	Illite	1	NULL	NULL	139.29		0.973
DAD-0001	DAD001A080	71.33	72.2	Illite	1	NULL	NULL	73.27		1.05
DAD-0001	DAD001A081	72.2	73.07	Illite	1	NULL	NULL	182.49		1.01
DAD-0001	DAD001A082	73.07	73.93	Illite	1	NULL	NULL	119.32		1.04
DAD-0001	DAD001A083	73.93	74.8	Paragonite	0.521	Muscovite	0.479	98.73		0.982
DAD-0001	DAD001A084	74.8	75.67	Paragonite	0.527	Muscovite	0.473	84.17		1.01
DAD-0001	DAD001A085	75.67	76.53	Illite	0.889	Gypsum	0.111	129.9		0.964
DAD-0001	DAD001A086	76.53	77.4	Illite	1	NULL	NULL	114.31		0.964
DAD-0001	DAD001A087	77.4	78.27	Illite	0.621	Paragonite	0.379	45.72		1.01
DAD-0001	DAD001A088	78.27	79.13	Illite	0.555	Paragonite	0.445	60.72		1.13
DAD-0001	DAD001A089	79.13	80	Paragonite	0.523	Illite	0.477	49.57		1.18
DAD-0001	DAD001A090	80	80.87	Paragonite	0.551	Muscovite	0.449	75.51		1.08
DAD-0001	DAD001A091	80.87	81.73	Paragonite	0.597	Muscovite	0.403	60		1.11
DAD-0001	DAD001A092	81.73	82.6	Illite	1	NULL	NULL	83.89		1.02
DAD-0001	DAD001A093	82.6	83.47	Illite	0.543	Paragonite	0.457	49.13		1.19
DAD-0001	DAD001A094	83.47	84.33	Paragonite	0.51	Muscovite	0.49	96.08		0.947
DAD-0001	DAD001A095	84.33	85.2	Illite	1	NULL	NULL	139.57		0.904
DAD-0001	DAD001A096	85.2	86.03	Paragonite	0.525	Muscovite	0.475	96.08		0.919
DAD-0001	DAD001A097	86.03	86.87	Paragonite	0.543	Muscovite	0.457	54.5		1.04
DAD-0001	DAD001A098	86.87	87.7	Paragonite	0.552	Muscovite	0.448	50.05		1.06
DAD-0001	DAD001A099	87.7	88.53	Illite	0.576	Paragonite	0.424	60.3		1.06
DAD-0001	DAD001A100	88.53	89.37	Paragonite	0.528	Muscovite	0.472	86.82		1.02
DAD-0001	DAD001A101	89.37	90.2	Illite	1	NULL	NULL	112.72		1
DAD-0001	DAD001A102	90.2	91.05	Muscovite	0.52	Paragonite	0.48	67.05		1.02
DAD-0001	DAD001A103	91.05	91.9	Illite	0.888	Gypsum	0.112	200.03		0.932
DAD-0001	DAD001A104	91.9	92.75	Paragonite	1	NULL	NULL	132.13		0.945
DAD-0001	DAD001A105	92.75	93.6	Illite	0.877	Gypsum	0.123	123.79		0.931
DAD-0001	DAD001A106	93.6	94.45	Illite	1	NULL	NULL	192.56		0.955
DAD-0001	DAD001A107	94.45	95.3	Illite	1	NULL	NULL	74.65		0.991
DAD-0001	DAD001A108	95.3	96.19	Illite	1	NULL	NULL	74.65		0.991
DAD-0001	DAD001A109	96.19	97.07	Illite	1	NULL	NULL	100.62		1.05
DAD-0001	DAD001A110	97.07	97.96	Illite	1	NULL	NULL	84.69		1.05
DAD-0001	DAD001A111	97.96	98.84	Illite	1	NULL	NULL	140.04		0.992
DAD-0001	DAD001A112	98.84	99.73	Illite	1	NULL	NULL	86.98		1.01
DAD-0001	DAD001A113	99.73	100.61	Illite	0.9	Gypsum	0.1	138.9		0.969
DAD-0001	DAD001A114	100.61	101.5	Illite	1	NULL	NULL	103.45		1.04
DAD-0001	DAD001A115	101.5	102.4	Illite	1	NULL	NULL	79.74		1.05
DAD-0001	DAD001A116	102.4	103.3	Illite	1	NULL	NULL	94.07		1.04
DAD-0001	DAD001A117	103.3	104.2	Illite	1	NULL	NULL	123.82		1.01
DAD-0001	DAD001A118	104.2	105.1	Illite	1	NULL	NULL	101.22		1.04
DAD-0001	DAD001A119	105.1	106	Illite	1	NULL	NULL	117.72		1.06

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0001	DAD001A120	106	106.9	Illite	1	NULL	NULL	106.26		1.09
DAD-0001	DAD001A121	106.9	107.8	Illite	0.797	Gypsum	0.203	199.92		0.904
DAD-0001	DAD001A122	107.8	108.67	Illite	0.857	Gypsum	0.143	109.2		0.936
DAD-0001	DAD001A123	108.67	109.54	Illite	1	NULL	NULL	86.51		1.05
DAD-0001	DAD001A124	109.54	110.41	Illite	0.78	Gypsum	0.22	103.39		0.93
DAD-0001	DAD001A125	110.41	111.29	Muscovite	1	NULL	NULL	79.25		1.07
DAD-0001	DAD001A126	111.29	112.16	Illite	1	NULL	NULL	110.99		1.03
DAD-0001	DAD001A127	112.16	113.03	Muscovite	0.581	Paragonite	0.419	92.12		1.04
DAD-0001	DAD001A128	113.03	113.9	Muscovite	0.564	Paragonite	0.436	74.12		1.08
DAD-0001	DAD001A129	113.9	114.79	Muscovite	0.535	Paragonite	0.465	43.33		1.2
DAD-0001	DAD001A130	114.79	115.67	Paragonite	0.518	Muscovite	0.482	93.07		1.16
DAD-0001	DAD001A131	115.67	116.56	Illite	1	NULL	NULL	77.77		1.08
DAD-0001	DAD001A132	116.56	117.44	Paragonite	0.547	Muscovite	0.453	92.19		1.12
DAD-0001	DAD001A133	117.44	118.33	Paragonite	0.518	Muscovite	0.482	58.26		1.15
DAD-0001	DAD001A134	118.33	119.21	Muscovite	0.523	Paragonite	0.477	53.64		1.09
DAD-0001	DAD001A135	119.21	120.1	Illite	0.626	Paragonite	0.374	17.42		1.28
DAD-0001	DAD001A136	120.1	120.99	Illite	0.587	Paragonite	0.413	38.14		1.17
DAD-0001	DAD001A137	120.99	121.87	Illite	1	NULL	NULL	91.16		1.05
DAD-0001	DAD001A138	121.87	122.76	Paragonite	0.558	Muscovite	0.442	50.52		1.15
DAD-0001	DAD001A139	122.76	123.64	Illite	0.574	Paragonite	0.426	47		1.17
DAD-0001	DAD001A140	123.64	124.53	Paragonite	0.554	Muscovite	0.446	66		1.07
DAD-0001	DAD001A141	124.53	125.41	Illite	0.573	Paragonite	0.427	26.65		1.21
DAD-0001	DAD001A142	125.41	126.3	Paragonite	0.509	Muscovite	0.491	63.7		1.1
DAD-0001	DAD001A143	126.3	127.2	Illite	0.57	Paragonite	0.43	36.05		1.2
DAD-0001	DAD001A144	127.2	128.11	Illite	1	NULL	NULL	34.41		1.02
DAD-0001	DAD001A145	128.11	129.01	Illite	0.553	Paragonite	0.447	19.7		1.26
DAD-0001	DAD001A146	129.01	129.92	Illite	1	NULL	NULL	93		1.04
DAD-0001	DAD001A147	129.92	130.82	Illite	1	NULL	NULL	46.82		1.11
DAD-0001	DAD001A148	130.82	131.73	Illite	1	NULL	NULL	70.94		1.04
DAD-0001	DAD001A149	131.73	132.63	Illite	1	NULL	NULL	100.24		1.05
DAD-0001	DAD001A150	132.63	133.5	Illite	1	NULL	NULL	69.98		0.997
DAD-0001	DAD001A151	133.5	134.37	Muscovite	0.658	Paragonite	0.342	42.74		1.06
DAD-0001	DAD001A152	134.37	135.25	Illite	1	NULL	NULL	33.1		1.17
DAD-0001	DAD001A153	135.25	136.12	Muscovite	0.559	Paragonite	0.441	37.22		1.1
DAD-0001	DAD001A154	136.12	136.99	Illite	1	NULL	NULL	89.7		0.991
DAD-0001	DAD001A155	136.99	137.86	Illite	1	NULL	NULL	59.55		1.02
DAD-0001	DAD001A156	137.86	138.75	Illite	1	NULL	NULL	64.32		0.997
DAD-0001	DAD001A157	138.75	139.65	Illite	1	NULL	NULL	84.51		0.991
DAD-0001	DAD001A158	139.65	140.54	Muscovite	0.593	Paragonite	0.407	37.4		1.07
DAD-0001	DAD001A159	140.54	141.43	Illite	1	NULL	NULL	111.51		0.956
DAD-0001	DAD001A160	141.43	142.33	Illite	0.922	Gypsum	0.0781	82.18		0.914
DAD-0001	DAD001A161	142.33	143.22	Muscovite	0.592	Paragonite	0.408	76.71		1.03
DAD-0001	DAD001A162	143.22	144.09	Illite	1	NULL	NULL	76.44		1.08
DAD-0001	DAD001A163	144.09	144.96	Illite	1	NULL	NULL	123.6		1.04
DAD-0001	DAD001A164	144.96	145.83	Illite	1	NULL	NULL	32.4		0.99
DAD-0001	DAD001A165	145.83	146.69	Illite	1	NULL	NULL	142.43		1.01
DAD-0001	DAD001A166	146.69	147.56	Muscovite	0.587	Paragonite	0.413	53.43		1.11
DAD-0001	DAD001A167	147.56	148.43	Illite	1	NULL	NULL	125.35		1.03
DAD-0001	DAD001A168	148.43	149.29	Illite	1	NULL	NULL	81.9		1.03
DAD-0001	DAD001A169	149.29	150.15	Illite	1	NULL	NULL	112.87		0.914
DAD-0001	DAD001A170	150.15	151.01	Muscovite	0.57	Paragonite	0.43	58.86		1.01
DAD-0001	DAD001A171	151.01	151.86	Illite	1	NULL	NULL	77.16		1.03
DAD-0001	DAD001A172	151.86	152.72	Illite	1	NULL	NULL	61.74		1.02
DAD-0001	DAD001A173	152.72	153.58	Illite	1	NULL	NULL	74.15		1.06
DAD-0001	DAD001A174	153.58	154.46	Illite	1	NULL	NULL	45.93		0.981
DAD-0001	DAD001A175	154.46	155.33	Muscovite	0.519	Paragonite	0.481	60.27		1.06
DAD-0001	DAD001A176	155.33	156.21	Muscovite	0.504	Paragonite	0.496	54.78		1.01
DAD-0001	DAD001A177	156.21	157.09	Muscovite	0.511	Paragonite	0.489	112.97		1.01

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0001	DAD001A178	157.09	157.96	Illite	1	NULL	NULL	81.25		1.02
DAD-0001	DAD001A179	157.96	158.84	Illite	0.551	Paragonite	0.449	34.21		1.16
DAD-0001	DAD001A180	158.84	159.7	Paragonite	0.504	Muscovite	0.496	50.63		1.16
DAD-0001	DAD001A181	159.7	160.56	Paragonite	0.574	Muscovite	0.426	73.85		1.08
DAD-0001	DAD001A182	160.56	161.42	Paragonite	0.557	Muscovite	0.443	73.38		1.02
DAD-0001	DAD001A183	161.42	162.28	Paragonite	0.525	Muscovite	0.475	92.03		1.05
DAD-0001	DAD001A184	162.28	163.14	Paragonite	0.537	Muscovite	0.463	91.32		0.996
DAD-0001	DAD001A185	163.14	164	Illite	0.54	Paragonite	0.46	62.62		1.08
DAD-0001	DAD001A186	164	164.86	Muscovite	0.508	Paragonite	0.492	77.38		1.02
DAD-0001	DAD001A187	164.86	165.73	Illite	0.548	Paragonite	0.452	103.87		1.02
DAD-0001	DAD001A188	165.73	166.59	Illite	0.559	Paragonite	0.441	41.7		1.03
DAD-0001	DAD001A189	166.59	167.45	Illite	0.535	Paragonite	0.465	55.35		1.06
DAD-0001	DAD001A190	167.45	168.32	Illite	1	NULL	NULL	101.26		1.04
DAD-0001	DAD001A191	168.32	169.18	Illite	0.58	Paragonite	0.42	41.07		1.03
DAD-0001	DAD001A192	169.18	170.06	Illite	0.54	Paragonite	0.46	56.78		1.06
DAD-0001	DAD001A193	170.06	170.93	Paragonite	0.524	Muscovite	0.476	61.19		1
DAD-0001	DAD001A194	170.93	171.81	Paragonite	0.516	Muscovite	0.484	73.48		0.976
DAD-0001	DAD001A195	171.81	172.68	Illite	0.605	Paragonite	0.395	44.4		1.02
DAD-0001	DAD001A196	172.68	173.56	Paragonite	0.511	Muscovite	0.489	60.43		1.04
DAD-0001	DAD001A197	173.56	174.43	Illite	0.625	Paragonite	0.375	36.2		1.05
DAD-0001	DAD001A198	174.43	175.29	Illite	1	NULL	NULL	60.28		1.01
DAD-0001	DAD001A199	175.29	176.15	Paragonite	0.518	Muscovite	0.482	77.82		1.04
DAD-0001	DAD001A200	176.15	177.02	Muscovite	0.541	Paragonite	0.459	56.8		1.01
DAD-0001	DAD001A201	177.02	177.88	Illite	0.749	Paragonite	0.251	30.97		1.06
DAD-0001	DAD001A202	177.88	178.74	Muscovite	0.56	Paragonite	0.44	46.97		1.04
DAD-0001	DAD001A203	178.74	179.6	Illite	1	NULL	NULL	74.26		1.04
DAD-0001	DAD001A204	179.6	180.5	Illite	0.718	Paragonite	0.282	33.43		1.08
DAD-0001	DAD001A205	180.5	181.4	Illite	1	NULL	NULL	87.73		0.98
DAD-0001	DAD001A206	181.4	182.3	Illite	1	NULL	NULL	78.86		1.02
DAD-0001	DAD001A207	182.3	183.2	Illite	0.883	Gypsum	0.117	72.33		0.962
DAD-0001	DAD001A208	183.2	184.1	Illite	1	NULL	NULL	59.65		1.01
DAD-0001	DAD001A209	184.1	185	Illite	1	NULL	NULL	110.42		0.991
DAD-0001	DAD001A210	185	185.9	Illite	1	NULL	NULL	47.76		0.989
DAD-0001	DAD001A211	185.9	186.79	Illite	1	NULL	NULL	89		1.04
DAD-0001	DAD001A212	186.79	187.69	Illite	1	NULL	NULL	168.45		0.939
DAD-0001	DAD001A213	187.69	188.59	Illite	1	NULL	NULL	90.36		0.985
DAD-0001	DAD001A214	188.59	189.48	Illite	1	NULL	NULL	35.06		0.989
DAD-0001	DAD001A215	189.48	190.38	Illite	1	NULL	NULL	48.79		1.06
DAD-0001	DAD001A216	190.38	191.28	Illite	1	NULL	NULL	213.89		0.954
DAD-0001	DAD001A217	191.28	192.18	Muscovite	0.604	Paragonite	0.396	59.66		1.02
DAD-0001	DAD001A218	192.18	193.09	Illite	1	NULL	NULL	58.01		1.05
DAD-0001	DAD001A219	193.09	193.99	Illite	0.535	Muscovite	0.465	29.44		1.12
DAD-0001	DAD001A220	193.99	194.89	Illite	0.63	Paragonite	0.37	36.78		1.18
DAD-0001	DAD001A221	194.89	195.79	Illite	0.511	Paragonite	0.489	30.38		1.17
DAD-0001	DAD001A222	195.79	196.69	Illite	0.504	Paragonite	0.496	20.02		1.29
DAD-0001	DAD001A223	196.69	197.58	Paragonite	0.516	Illite	0.484	45.85		1.18
DAD-0001	DAD001A224	197.58	198.48	Paragonite	0.516	Illite	0.484	45.85		1.18
DAD-0001	DAD001A225	198.48	199.38	Paragonite	1	NULL	NULL	104.06		1.07
DAD-0001	DAD001A226	199.38	200.27	Paragonite	0.533	Illite	0.467	31.81		1.17
DAD-0001	DAD001A227	200.27	201.17	Paragonite	0.514	Illite	0.486	39.1		1.1
DAD-0001	DAD001A228	201.17	202.08	Illite	0.705	Paragonite	0.295	31.12		1.11
DAD-0001	DAD001A229	202.08	202.99	Illite	0.666	Paragonite	0.334	21.25		1.23
DAD-0001	DAD001A230	202.99	203.9	Illite	0.808	Nacrite	0.192	34.33		1.21
DAD-0001	DAD001A231	203.9	204.8	Illite	0.728	Dickite	0.272	45.81		1.23
DAD-0001	DAD001A232	204.8	205.71	Illite	0.584	Paragonite	0.416	21.06		1.16
DAD-0001	DAD001A233	205.71	206.62	Illite	0.734	Nacrite	0.266	58.92		1.17
DAD-0001	DAD001A234	206.62	207.53	Illite	0.57	Paragonite	0.43	65.92		1.07
DAD-0001	DAD001A235	207.53	208.44	Illite	0.565	Paragonite	0.435	19.27		1.13

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0001	DAD001A236	208.44	209.35	Illite	0.655	Paragonite	0.345	21.05		1.16
DAD-0001	DAD001A237	209.35	210.26	Illite	0.648	Dickite	0.352	48.33		1.48
DAD-0001	DAD001A238	210.26	211.17	Illite	0.737	Dickite	0.263	27.95		1.19
DAD-0001	DAD001A239	211.17	212.08	Illite	1	NULL	NULL	46.46		1.08
DAD-0001	DAD001A241	212.97	213.87	Illite	0.591	Muscovite	0.409	21.67		1.09
DAD-0001	DAD001A242	213.87	214.76	Muscovite	1	NULL	NULL	63.64		1.02
DAD-0001	DAD001A243	214.76	215.65	Illite	0.511	Muscovite	0.489	29.7		1.07
DAD-0001	DAD001A244	215.65	216.55	Muscovite	1	NULL	NULL	89.2		0.991
DAD-0001	DAD001A245	216.55	217.44	Muscovite	1	NULL	NULL	55.56		1.02
DAD-0001	DAD001A246	217.44	218.33	Muscovite	1	NULL	NULL	104.27		1.02
DAD-0001	DAD001A247	218.33	219.23	Illite	1	NULL	NULL	45.3		1.11
DAD-0001	DAD001A248	219.23	220.12	Illite	0.782	Dickite	0.218	22.16		1.18
DAD-0001	DAD001A249	220.12	221.01	Illite	0.586	Dickite	0.414	22.89		1.26
DAD-0001	DAD001A250	221.01	221.91	Illite	1	NULL	NULL	63.65		1.06
DAD-0001	DAD001A251	221.91	222.8	Illite	1	NULL	NULL	57.56		1.06
DAD-0001	DAD001A252	222.8	223.69	Illite	0.729	Dickite	0.271	27.28		1.12
DAD-0001	DAD001A253	223.69	224.57	Illite	1	NULL	NULL	33.91		1.11
DAD-0001	DAD001A254	224.57	225.46	Illite	1	NULL	NULL	54.02		1.05
DAD-0001	DAD001A255	225.46	226.34	Illite	1	NULL	NULL	70.49		1.07
DAD-0001	DAD001A256	226.34	227.23	Illite	1	NULL	NULL	44.8		1.09
DAD-0001	DAD001A257	227.23	228.11	Illite	1	NULL	NULL	71.68		1.05
DAD-0001	DAD001A258	228.11	228.97	Illite	1	NULL	NULL	59.05		1.02
DAD-0001	DAD001A259	228.97	229.84	Illite	1	NULL	NULL	103.64		1.05
DAD-0001	DAD001A260	229.84	230.7	Illite	1	NULL	NULL	103.23		1.03
DAD-0001	DAD001A261	230.7	231.56	Illite	1	NULL	NULL	45.76		1.02
DAD-0001	DAD001A262	231.56	232.43	Muscovite	1	NULL	NULL	58.99		1.05
DAD-0001	DAD001A263	232.43	233.29	Muscovite	0.543	Illite	0.457	27.68		1.02
DAD-0001	DAD001A264	233.29	234.16	Muscovite	1	NULL	NULL	107.78		0.968
DAD-0001	DAD001A265	234.16	235.03	Muscovite	1	NULL	NULL	68.94		0.999
DAD-0001	DAD001A266	235.03	235.91	Illite	0.657	Phengite	0.343	38.73		1
DAD-0001	DAD001A267	235.91	236.78	Muscovite	1	NULL	NULL	83.58		1.03
DAD-0001	DAD001A268	236.78	237.65	Illite	0.61	Phengite	0.39	40.74		0.991
DAD-0001	DAD001A269	237.65	238.52	Illite	1	NULL	NULL	62.7		1.01
DAD-0001	DAD001A270	238.52	239.42	Illite	1	NULL	NULL	78.26		1.04
DAD-0001	DAD001A271	239.42	240.31	Muscovite	1	NULL	NULL	65.82		1.03
DAD-0001	DAD001A272	240.31	241.21	Muscovite	1	NULL	NULL	87.35		1.03
DAD-0001	DAD001A273	241.21	242.1	Illite	1	NULL	NULL	36.34		1.03
DAD-0001	DAD001A274	242.1	243	Illite	1	NULL	NULL	113.24		1.06
DAD-0001	DAD001A275	243	243.89	Muscovite	0.591	Paragonite	0.409	51.5		1.02
DAD-0001	DAD001A276	243.89	244.79	Illite	1	NULL	NULL	112.9		1.04
DAD-0001	DAD001A277	244.79	245.69	Muscovite	0.561	Paragonite	0.439	46.96		1.07
DAD-0001	DAD001A278	245.69	246.6	Illite	1	NULL	NULL	89.1		1.01
DAD-0001	DAD001A279	246.6	247.5	Muscovite	0.586	Paragonite	0.414	47.74		1.06
DAD-0001	DAD001A280	247.5	248.4	Muscovite	0.552	Paragonite	0.448	30.37		1.04
DAD-0001	DAD001A281	248.4	249.3	Muscovite	0.595	Paragonite	0.405	32.23		1.04
DAD-0001	DAD001A282	249.3	250.2	Paragonite	0.54	Muscovite	0.46	62.8		1.08
DAD-0001	DAD001A283	250.2	251.09	Illite	0.846	Gypsum	0.154	27.94		0.968
DAD-0001	DAD001A284	251.09	251.99	Illite	0.834	Gypsum	0.166	69.25		0.951
DAD-0001	DAD001A285	251.99	252.89	Illite	1	NULL	NULL	61.24		0.997
DAD-0001	DAD001A286	252.89	253.78	Phengite	1	NULL	NULL	82.89		0.962
DAD-0001	DAD001A287	253.78	254.68	Illite	1	NULL	NULL	55.22		1
DAD-0001	DAD001A288	254.68	255.57	Illite	1	NULL	NULL	50.71		0.981
DAD-0001	DAD001A289	255.57	256.45	Muscovite	1	NULL	NULL	11.06		0.978
DAD-0001	DAD001A290	256.45	257.34	Illite	1	NULL	NULL	84.89		1.01
DAD-0001	DAD001A291	257.34	258.23	Muscovite	1	NULL	NULL	8.11		0.96
DAD-0001	DAD001A292	258.23	259.11	Illite	1	NULL	NULL	116.21		1.03
DAD-0001	DAD001A293	259.11	260	Muscovite	1	NULL	NULL	38.4		0.984
DAD-0001	DAD001A294	260	260.91	Illite	1	NULL	NULL	84.6		1.02

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0001	DAD001A295	260.91	261.83	Illite	1	NULL	NULL	137.93		0.967
DAD-0001	DAD001A296	261.83	262.74	Illite	1	NULL	NULL	123.48		0.966
DAD-0001	DAD001A297	262.74	263.65	Illite	0.92	Gypsum	0.0799	107.88		0.977
DAD-0001	DAD001A298	263.65	264.57	Illite	0.91	Gypsum	0.0895	127.08		0.978
DAD-0001	DAD001A299	264.57	265.48	Illite	0.915	Gypsum	0.0853	101.62		0.98
DAD-0001	DAD001A300	265.48	266.37	Illite	1	NULL	NULL	78.76		0.995
DAD-0001	DAD001A301	266.37	267.26	Muscovite	1	NULL	NULL	45.65		0.979
DAD-0001	DAD001A302	267.26	268.15	Illite	0.903	Gypsum	0.0968	111.52		0.969
DAD-0001	DAD001A303	268.15	269.04	Illite	0.842	Gypsum	0.158	333.33		0.884
DAD-0001	DAD001A304	269.04	269.93	Muscovite	0.628	Axinite	0.372	219.12		0.973
DAD-0001	DAD001A305	269.93	270.82	Muscovite	1	NULL	NULL	82.2		0.951
DAD-0001	DAD001A306	270.82	271.71	Phengite	1	NULL	NULL	98.35		0.943
DAD-0001	DAD001A307	271.71	272.6	Phengite	1	NULL	NULL	161.14		0.98
DAD-0001	DAD001A308	272.6	273.49	Phengite	1	NULL	NULL	161.14		0.98
DAD-0001	DAD001A309	273.49	274.37	Phengite	0.658	Montmorillonite	0.342	102.41		0.97
DAD-0001	DAD001A310	274.37	275.26	Phengite	0.601	Opal	0.399	131.83		0.97
DAD-0001	DAD001A311	275.26	276.15	Phengite	0.532	MgChlorite	0.468	113.88		0.945
DAD-0001	DAD001A312	276.15	277.03	Phengite	0.64	Montmorillonite	0.36	114.29		0.965
DAD-0001	DAD001A313	277.03	277.9	Phengite	0.528	Opal	0.472	79.12		0.956
DAD-0001	DAD001A314	277.9	278.78	Phengite	1	NULL	NULL	69.37		0.95
DAD-0001	DAD001A315	278.78	279.66	Montmorillonite	1	NULL	NULL	171.04		0.962
DAD-0001	DAD001A316	279.66	280.53	Phengite	1	NULL	NULL	158.81		0.973
DAD-0001	DAD001A317	280.53	281.41	MgChlorite	0.581	Phengite	0.419	111.67		0.804
DAD-0001	DAD001A318	281.41	282.27	IntChlorite	0.602	Opal	0.398	148.03		0.894
DAD-0001	DAD001A319	282.27	283.13	MgChlorite	1	NULL	NULL	64.24		0.831
DAD-0001	DAD001A320	283.13	283.99	MgChlorite	1	NULL	NULL	62.06		0.813
DAD-0001	DAD001A321	283.99	284.84	MgChlorite	0.763	Phengite	0.237	104.65		0.95
DAD-0001	DAD001A322	284.84	285.7	MgChlorite	0.63	Phengite	0.37	174.75		0.952
DAD-0001	DAD001A323	285.7	286.56	MgChlorite	1	NULL	NULL	98		0.959
DAD-0001	DAD001A324	286.56	287.4	MgChlorite	1	NULL	NULL	170.77		0.946
DAD-0001	DAD001A325	287.4	288.25	MgChlorite	0.724	Phengite	0.276	132.75		0.964
DAD-0001	DAD001A326	288.25	289.09	MgChlorite	1	NULL	NULL	140.01		0.967
DAD-0001	DAD001A327	289.09	289.93	MgChlorite	0.739	Phengite	0.261	57.89		0.945
DAD-0001	DAD001A328	289.93	290.78	IntChlorite	0.549	MgChlorite	0.451	48.34		0.885
DAD-0001	DAD001A329	290.78	291.62	IntChlorite	0.587	MgChlorite	0.413	40.2		0.941
DAD-0001	DAD001A330	291.62	292.48	IntChlorite	0.527	MgChlorite	0.473	59.47		0.921
DAD-0001	DAD001A331	292.48	293.33	IntChlorite	0.581	MgChlorite	0.419	52.99		0.957
DAD-0001	DAD001A332	293.33	294.19	IntChlorite	0.654	MgChlorite	0.346	41.31		0.946
DAD-0001	DAD001A333	294.19	295.04	IntChlorite	1	NULL	NULL	179.6		0.977
DAD-0001	DAD001A334	295.04	295.9	IntChlorite	1	NULL	NULL	109.48		0.973
DAD-0001	DAD001A335	295.9	296.75	MgChlorite	0.666	Epidote	0.334	234.58		0.985
DAD-0001	DAD001A336	296.75	297.63	Zoisite	0.518	Epidote	0.482	228.56		0.988
DAD-0001	DAD001A337	297.63	298.5	NULL	NULL	NULL	NULL	1000		0.981
DAD-0001	DAD001A338	298.5	299.38	NULL	NULL	NULL	NULL	1000		0.984
DAD-0001	DAD001A339	299.38	300.25	NULL	NULL	NULL	NULL	1000		0.982
DAD-0001	DAD001A340	300.25	301.13	Phlogopite2	0.625	Zoisite	0.375	264.31		0.983
DAD-0001	DAD001A341	301.13	302	MgChlorite	0.733	Illite	0.267	306.11		0.993
DAD-0001	DAD001A342	302	302.86	MgChlorite	0.909	Topaz	0.0911	245.66		0.995
DAD-0001	DAD001A343	302.86	303.73	IntChlorite	0.612	Axinite	0.388	283.94		0.994
DAD-0001	DAD001A344	303.73	304.59	IntChlorite	0.631	Axinite	0.369	194.11		0.984
DAD-0001	DAD001A345	304.59	305.45	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A346	305.45	306.32	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A347	306.32	307.18	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A348	307.18	308.06	Illite	0.557	Zoisite	0.443	210.97		1.01
DAD-0001	DAD001A349	308.06	308.93	IntChlorite	0.643	Illite	0.357	281.9		0.993
DAD-0001	DAD001A350	308.93	309.81	NULL	NULL	NULL	NULL	1000		1.01
DAD-0001	DAD001A351	309.81	310.69	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A352	310.69	311.56	NULL	NULL	NULL	NULL	1000		1

Appendix da98-06 TSA Drill

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0001	DAD001A353	311.56	312.44	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A354	312.44	313.31	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A355	313.31	314.19	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A356	314.19	315.06	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A357	315.06	315.93	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A358	315.93	316.81	NULL	NULL	NULL	NULL	1000		0.999
DAD-0001	DAD001A359	316.81	317.68	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A360	317.68	318.56	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A361	318.56	319.43	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A362	319.43	320.31	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A363	320.31	321.19	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A364	321.19	322.06	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A365	322.06	322.94	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A366	322.94	323.86	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A367	323.86	324.78	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A368	324.78	325.7	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A369	325.7	326.62	NULL	NULL	NULL	NULL	1000		0.999
DAD-0001	DAD001A370	326.62	327.54	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A371	327.54	328.46	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A372	328.46	329.32	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A373	329.32	330.18	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A374	330.18	331.04	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A375	331.04	331.89	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A376	331.89	332.75	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A377	332.75	333.61	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A378	333.61	334.49	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A379	334.49	335.38	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A380	335.38	336.26	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A381	336.26	337.14	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A382	337.14	338.03	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A383	338.03	338.91	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A384	338.91	339.76	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A385	339.76	340.61	NULL	NULL	NULL	NULL	1000		0.999
DAD-0001	DAD001A386	340.61	341.46	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A387	341.46	342.3	NULL	NULL	NULL	NULL	1000		0.998
DAD-0001	DAD001A388	342.3	343.15	NULL	NULL	NULL	NULL	1000		0.995
DAD-0001	DAD001A389	343.15	344	NULL	NULL	NULL	NULL	1000		0.995
DAD-0001	DAD001A390	344	344.8	NULL	NULL	NULL	NULL	1000		0.997
DAD-0001	DAD001A391	344.8	345.6	NULL	NULL	NULL	NULL	1000		0.995
DAD-0001	DAD001A392	345.6	346.4	NULL	NULL	NULL	NULL	1000		0.99
DAD-0001	DAD001A393	346.4	347.2	NULL	NULL	NULL	NULL	1000		0.995
DAD-0001	DAD001A394	347.2	348	NULL	NULL	NULL	NULL	1000		0.998
DAD-0001	DAD001A397	349.58	350.35	MgChlorite	0.637	Magnesium_Clays	0.363	92.44		0.94
DAD-0001	DAD001A398	350.35	351.13	NULL	NULL	NULL	NULL	1000		0.99
DAD-0001	DAD001A399	351.13	351.9	NULL	NULL	NULL	NULL	1000		0.99
DAD-0001	DAD001A400	351.9	352.82	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A401	352.82	353.65	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A402	353.65	354.48	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A403	354.48	355.3	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A404	355.3	356.22	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A405	356.22	357.14	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A406	357.14	358.05	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A407	358.05	358.97	NULL	NULL	NULL	NULL	1000		0.999
DAD-0001	DAD001A408	358.97	359.89	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A409	359.89	360.76	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A410	360.76	361.63	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A411	361.63	362.51	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A412	362.51	363.38	NULL	NULL	NULL	NULL	1000		1

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0001	DAD001A413	363.38	364.25	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A414	364.25	365.12	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A415	365.12	365.98	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A416	365.98	366.85	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A417	366.85	367.71	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A418	367.71	368.57	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A419	368.57	369.44	NULL	NULL	NULL	NULL	1000		1
DAD-0001	DAD001A420	369.44	370.3	MgChlorite	0.724	Opal	0.276	76.53		0.958
DAD-0001	DAD001A421	370.3	371.2	IntChlorite	0.532	MgChlorite	0.468	42.55		0.99
DAD-0001	DAD001A422	371.2	372.1	MgChlorite	0.506	IntChlorite	0.494	44.78		0.992
DAD-0001	DAD001A423	372.1	373	IntChlorite	0.519	MgChlorite	0.481	43.85		0.991
DAD-0001	DAD001A424	373	373.9	NULL	NULL	NULL	NULL	1000		0.997
DAD-0001	DAD001A425	373.9	374.8	NULL	NULL	NULL	NULL	1000		0.997
DAD-0001	DAD001A426	374.8	375.7	NULL	NULL	NULL	NULL	1000		0.997
DAD-0001	DAD001A427	375.7	376.58	NULL	NULL	NULL	NULL	1000		0.996
DAD-0001	DAD001A428	376.58	377.47	NULL	NULL	NULL	NULL	1000		0.997
DAD-0001	DAD001A429	377.47	378.35	NULL	NULL	NULL	NULL	1000		0.996
DAD-0001	DAD001A430	378.35	379.23	IntChlorite	0.534	MgChlorite	0.466	38.97		0.984
DAD-0001	DAD001A431	379.23	380.12	NULL	NULL	NULL	NULL	1000		0.995
DAD-0001	DAD001A432	380.12	381	MgChlorite	1	NULL	NULL	57.16		0.985
DAD-0001	DAD001A433	381	381.89	MgChlorite	0.748	Rhodocrosite	0.252	51.74		0.992
DAD-0001	DAD001A434	381.89	382.78	NULL	NULL	NULL	NULL	1000		0.997
DAD-0001	DAD001A435	382.78	383.68	MgChlorite	0.741	Muscovite	0.259	69.98		0.99
DAD-0001	DAD001A436	383.68	384.57	NULL	NULL	NULL	NULL	1000		0.99
DAD-0001	DAD001A437	384.57	385.46	IntChlorite	1	NULL	NULL	67.97		0.989
DAD-0001	DAD001A438	385.46	386.35	NULL	NULL	NULL	NULL	1000		0.996
DAD-0001	DAD001A439	386.35	387.21	NULL	NULL	NULL	NULL	1000		0.993
DAD-0001	DAD001A440	387.21	388.07	MgChlorite	1	NULL	NULL	73.4		0.988
DAD-0001	DAD001A441	388.07	388.93	MgChlorite	1	NULL	NULL	67.85		0.987
DAD-0001	DAD001A442	388.93	389.78	MgChlorite	1	NULL	NULL	83.61		0.986
DAD-0001	DAD001A443	389.78	390.64	MgChlorite	1	NULL	NULL	71.75		0.979
DAD-0001	DAD001A444	390.64	391.5	MgChlorite	0.716	Phengite	0.284	98.22		0.865
DAD-0001	DAD001A445	391.5	392.37	MgChlorite	0.757	Phengite	0.243	74.01		0.886
DAD-0001	DAD001A446	392.37	393.23	MgChlorite	0.78	Phengite	0.22	89.44		0.923
DAD-0001	DAD001A447	393.23	394.1	IntChlorite	0.624	Phengite	0.376	72.43		0.973
DAD-0001	DAD001A448	394.1	394.97	IntChlorite	0.675	Phengite	0.325	70.1		0.975
DAD-0001	DAD001A449	394.97	395.83	IntChlorite	0.768	Phengite	0.232	63.49		0.939
DAD-0001	DAD001A450	395.83	396.7	MgChlorite	0.722	Phengite	0.278	81.97		0.915
DAD-0001	DAD001A451	396.7	397.63	MgChlorite	0.79	Muscovite	0.21	77.46		0.894
DAD-0001	DAD001A452	397.63	398.55	IntChlorite	0.781	Muscovite	0.219	78.12		0.925
DAD-0001	DAD001A453	398.55	399.48	IntChlorite	0.581	MgChlorite	0.419	39.69		0.871
DAD-0001	DAD001A454	399.48	400.4	IntChlorite	0.664	Phengite	0.336	86.81		0.939
DAD-0001	DAD001A455	400.4	401.33	IntChlorite	0.758	Muscovite	0.242	72.61		0.919
DAD-0001	DAD001A456	401.33	402.25	MgChlorite	0.753	Illite	0.247	68.32		0.917
DAD-0001	DAD001A457	402.25	403.16	IntChlorite	0.766	Muscovite	0.234	78.62		0.885
DAD-0001	DAD001A458	403.16	404.06	IntChlorite	0.704	Muscovite	0.296	99.26		0.851
DAD-0001	DAD001A459	404.06	404.97	Phengite	0.601	Montmorillonite	0.399	113.13		0.87
DAD-0001	DAD001A460	404.97	405.87	Muscovite	1	NULL	NULL	69.29		1.01
DAD-0001	DAD001A461	405.87	406.77	Muscovite	1	NULL	NULL	64.45		1.06
DAD-0001	DAD001A462	406.77	407.66	Muscovite	1	NULL	NULL	84.25		1.04
DAD-0001	DAD001A463	407.66	408.56	Muscovite	0.834	Gypsum	0.166	218.5		0.851
DAD-0001	DAD001A464	408.56	409.46	Muscovite	0.876	Gypsum	0.124	187.48		0.948
DAD-0001	DAD001A465	409.46	410.31	Muscovite	0.895	Gypsum	0.105	112.69		0.952
DAD-0001	DAD001A466	410.31	411.16	Illite	0.775	Gypsum	0.225	160.84		0.936
DAD-0001	DAD001A467	411.16	412	Muscovite	0.875	Gypsum	0.125	280.08		0.932
DAD-0001	DAD001A468	412	412.85	Muscovite	0.698	Gypsum	0.302	185.8		0.84
DAD-0001	DAD001A469	412.85	413.72	Illite	0.732	Gypsum	0.268	277.5		0.892
DAD-0001	DAD001A470	413.72	414.58	Illite	0.916	Gypsum	0.0836	78.76		0.994

Appendix da98-06 TSA Drill

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0001	DAD001A471	414.58	415.45	Muscovite	0.832	Gypsum	0.168	293.18		0.92
DAD-0001	DAD001A472	415.45	416.32	Illite	0.899	Gypsum	0.101	106.48		0.979
DAD-0001	DAD001A473	416.32	417.19	Illite	1	NULL	NULL	102.21		1.02
DAD-0001	DAD001A474	417.19	418.05	Muscovite	1	NULL	NULL	154.42		0.987
DAD-0001	DAD001A475	418.05	418.92	Illite	0.709	Gypsum	0.291	387.91		0.896
DAD-0002	DAD002A001	0.01	0.92	NULL	NULL	NULL	NULL	1000	0.999	0.997
DAD-0002	DAD002A002	0.92	1.84	Illite	1	NULL	NULL	41.03	0.987	1
DAD-0002	DAD002A003	1.84	2.75	Illite	1	NULL	NULL	25.93	0.985	0.981
DAD-0002	DAD002A004	2.75	3.66	Illite	1	NULL	NULL	21.76	0.987	0.985
DAD-0002	DAD002A005	3.66	4.57	Illite	1	NULL	NULL	23.68	0.987	0.986
DAD-0002	DAD002A006	4.57	5.49	Illite	0.726	Paragonite	0.274	26.58	0.977	0.981
DAD-0002	DAD002A008	6.4	7.29	Illite	1	NULL	NULL	35.61	0.992	0.988
DAD-0002	DAD002A009	7.29	8.17	Illite	1	NULL	NULL	108.33	0.997	0.976
DAD-0002	DAD002A010	8.17	9.06	Illite	1	NULL	NULL	47.21	0.998	0.975
DAD-0002	DAD002A011	9.06	9.94	Illite	1	NULL	NULL	170.08	0.998	0.972
DAD-0002	DAD002A012	9.94	10.83	Illite	1	NULL	NULL	108.39	1	0.963
DAD-0002	DAD002A013	10.83	11.71	Illite	0.698	Paragonite	0.302	28.63	0.987	0.993
DAD-0002	DAD002A014	11.71	12.6	Illite	0.668	Paragonite	0.332	43.67	0.995	0.997
DAD-0002	DAD002A015	12.6	13.51	Illite	1	NULL	NULL	65.23	1	0.985
DAD-0002	DAD002A016	13.51	14.43	Illite	1	NULL	NULL	39.01	0.996	0.992
DAD-0002	DAD002A017	14.43	15.34	Illite	1	NULL	NULL	65.84	1	0.978
DAD-0002	DAD002A018	15.34	16.26	Illite	0.682	Paragonite	0.318	29.1	0.989	1.01
DAD-0002	DAD002A019	16.26	17.17	Illite	1	NULL	NULL	51.57	1	1
DAD-0002	DAD002A020	17.17	18.09	Illite	1	NULL	NULL	38.45	0.998	0.998
DAD-0002	DAD002A021	18.09	19	Illite	1	NULL	NULL	44.11	0.999	0.99
DAD-0002	DAD002A022	19	19.87	Illite	1	NULL	NULL	45.87	1	1.01
DAD-0002	DAD002A023	19.87	20.74	Muscovite	0.776	Opal	0.224	63.7	1	0.986
DAD-0002	DAD002A024	20.74	21.61	Phengite	0.502	Illite	0.498	51.99	1	0.974
DAD-0002	DAD002A025	21.61	22.49	Illite	0.613	Phengite	0.387	42.88	1	0.972
DAD-0002	DAD002A026	22.49	23.36	Illite	1	NULL	NULL	43.71	0.989	0.997
DAD-0002	DAD002A027	23.36	24.23	Illite	0.552	Phengite	0.448	67.91	1	0.983
DAD-0002	DAD002A028	24.23	25.1	Illite	0.677	Phengite	0.323	48.8	1	0.981
DAD-0002	DAD002A029	25.1	26.03	Illite	0.514	Phengite	0.486	86.55	1	0.957
DAD-0002	DAD002A030	26.03	26.96	Phengite	0.551	Illite	0.449	62.16	1	0.965
DAD-0002	DAD002A031	26.96	27.89	Dickite	0.684	Illite	0.316	112.14	0.975	1.02
DAD-0002	DAD002A032	27.89	28.81	Dickite	0.649	Illite	0.351	115.24	0.958	1.02
DAD-0002	DAD002A033	28.81	29.74	Illite	0.859	Dickite	0.141	44.07	0.985	0.999
DAD-0002	DAD002A034	29.74	30.67	Dickite	1	NULL	NULL	222.47	0.949	1.05
DAD-0002	DAD002A035	30.67	31.6	Illite	1	NULL	NULL	60.77	0.991	0.997
DAD-0002	DAD002A036	31.6	32.5	Illite	1	NULL	NULL	53.66	0.995	0.991
DAD-0002	DAD002A037	32.5	33.4	Illite	0.597	Phengite	0.403	57.85	0.997	0.978
DAD-0002	DAD002A038	33.4	34.3	Illite	0.585	Paragonite	0.415	29.67	0.986	0.999
DAD-0002	DAD002A039	34.3	35.2	Illite	0.61	Paragonite	0.39	28.03	0.989	0.996
DAD-0002	DAD002A040	35.2	36.1	Illite	0.601	Paragonite	0.399	48.6	0.995	1.01
DAD-0002	DAD002A041	36.1	37	Illite	1	NULL	NULL	48.68	1	0.996
DAD-0002	DAD002A042	37	37.9	Illite	1	NULL	NULL	53.39	1	1
DAD-0002	DAD002A043	37.9	38.79	Paragonite	0.53	Muscovite	0.47	89.2	0.997	0.999
DAD-0002	DAD002A044	38.79	39.67	Illite	0.661	Paragonite	0.339	53.45	0.995	0.997
DAD-0002	DAD002A045	39.67	40.56	Illite	0.573	Paragonite	0.427	32	0.984	1.01
DAD-0002	DAD002A046	40.56	41.44	Illite	0.625	Paragonite	0.375	36.13	0.992	0.992
DAD-0002	DAD002A047	41.44	42.33	NULL	NULL	NULL	NULL	1000	1	1
DAD-0002	DAD002A048	42.33	43.21	Illite	1	NULL	NULL	82.1	1	1.02
DAD-0002	DAD002A049	43.21	44.1	Illite	1	NULL	NULL	47.12	0.996	1.03
DAD-0002	DAD002A050	44.1	44.94	Illite	1	NULL	NULL	54.7	1	1.02
DAD-0002	DAD002A051	44.94	45.79	Illite	1	NULL	NULL	54.7	1	1.02
DAD-0002	DAD002A052	45.79	46.63	NULL	NULL	NULL	NULL	1000	1	1.01
DAD-0002	DAD002A053	46.63	47.47	Illite	1	NULL	NULL	36.45	1	0.993
DAD-0002	DAD002A054	47.47	48.31	Illite	1	NULL	NULL	41.3	1	1.01

Appendix da98-06 TSA Drill

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A055	48.31	49.16	Illite	1	NULL	NULL	90.97	1	1
DAD-0002	DAD002A056	49.16	50	Illite	1	NULL	NULL	107.66	1	1
DAD-0002	DAD002A057	50	50.89	NULL	NULL	NULL	NULL	1000	1	0.995
DAD-0002	DAD002A058	50.89	51.77	Muscovite	1	NULL	NULL	27.22	1	0.989
DAD-0002	DAD002A059	51.77	52.66	Illite	1	NULL	NULL	96.32	1	1.01
DAD-0002	DAD002A060	52.66	53.54	Muscovite	0.594	Paragonite	0.406	42.52	0.997	1.03
DAD-0002	DAD002A061	53.54	54.43	Illite	1	NULL	NULL	154.52	1	1.01
DAD-0002	DAD002A062	54.43	55.31	Illite	1	NULL	NULL	111.3	1	0.994
DAD-0002	DAD002A063	55.31	56.2	Illite	1	NULL	NULL	69.4	1	0.993
DAD-0002	DAD002A064	56.2	57.11	Illite	1	NULL	NULL	81.49	1	1.01
DAD-0002	DAD002A065	57.11	58.03	Illite	1	NULL	NULL	98.17	1	0.994
DAD-0002	DAD002A066	58.03	58.94	Illite	1	NULL	NULL	91.19	1	1.01
DAD-0002	DAD002A067	58.94	59.86	Illite	1	NULL	NULL	68.27	1	1
DAD-0002	DAD002A068	59.86	60.77	Illite	1	NULL	NULL	32.3	0.997	1.04
DAD-0002	DAD002A069	60.77	61.69	Illite	1	NULL	NULL	75.05	1	1
DAD-0002	DAD002A070	61.69	62.6	Muscovite	1	NULL	NULL	27.29	1	0.995
DAD-0002	DAD002A071	62.6	63.5	Illite	1	NULL	NULL	42.83	0.997	1.03
DAD-0002	DAD002A072	63.5	64.4	Illite	1	NULL	NULL	36.49	1	0.985
DAD-0002	DAD002A073	64.4	65.3	Illite	1	NULL	NULL	123.78	0.999	0.986
DAD-0002	DAD002A074	65.3	66.2	Illite	1	NULL	NULL	99.59	0.999	1.01
DAD-0002	DAD002A075	66.2	67.1	Illite	1	NULL	NULL	59.67	0.996	1.03
DAD-0002	DAD002A076	67.1	68	Illite	1	NULL	NULL	56.71	0.995	1.01
DAD-0002	DAD002A077	68	68.9	Illite	0.68	Paragonite	0.32	34.27	0.999	1.02
DAD-0002	DAD002A078	68.9	69.8	Illite	0.671	Paragonite	0.329	34.38	0.993	1.02
DAD-0002	DAD002A079	69.8	70.7	Illite	1	NULL	NULL	55.64	0.997	1.01
DAD-0002	DAD002A080	70.7	71.6	Illite	0.664	Paragonite	0.336	24.71	0.991	1.04
DAD-0002	DAD002A081	71.6	72.5	Illite	1	NULL	NULL	79.63	0.998	1.01
DAD-0002	DAD002A082	72.5	73.4	Illite	1	NULL	NULL	47.92	1	1.03
DAD-0002	DAD002A083	73.4	74.3	Illite	1	NULL	NULL	90.18	0.998	0.998
DAD-0002	DAD002A084	74.3	75.2	Illite	1	NULL	NULL	79.31	1	1.01
DAD-0002	DAD002A085	75.2	76.1	Illite	0.66	Paragonite	0.34	37.74	0.994	1.03
DAD-0002	DAD002A086	76.1	77	Illite	1	NULL	NULL	82.14	0.998	1
DAD-0002	DAD002A087	77	77.9	Illite	1	NULL	NULL	127.14	1	1.01
DAD-0002	DAD002A088	77.9	78.8	Illite	1	NULL	NULL	60.46	1	0.994
DAD-0002	DAD002A089	78.8	79.7	Illite	1	NULL	NULL	60.52	0.994	1.01
DAD-0002	DAD002A090	79.7	80.6	Illite	1	NULL	NULL	120.15	1	0.999
DAD-0002	DAD002A091	80.6	81.5	Illite	1	NULL	NULL	25.54	0.999	0.99
DAD-0002	DAD002A092	81.5	82.41	Illite	0.928	Gypsum	0.0725	74.16	1	1
DAD-0002	DAD002A093	82.41	83.33	NULL	NULL	NULL	NULL	1000	1	0.999
DAD-0002	DAD002A094	83.33	84.24	Illite	1	NULL	NULL	136.53	1	0.99
DAD-0002	DAD002A096	85.16	86.07	Illite	1	NULL	NULL	14	0.999	0.993
DAD-0002	DAD002A097	86.07	86.99	Muscovite	1	NULL	NULL	20.56	1	0.995
DAD-0002	DAD002A098	86.99	87.9	Illite	1	NULL	NULL	28.34	1	0.999
DAD-0002	DAD002A099	87.9	88.8	Illite	1	NULL	NULL	31.8	1	1.01
DAD-0002	DAD002A100	88.8	89.7	Illite	1	NULL	NULL	74.25	1	1.02
DAD-0002	DAD002A101	89.7	90.6	Illite	1	NULL	NULL	53.23	1	1.01
DAD-0002	DAD002A102	90.6	91.5	Illite	1	NULL	NULL	42.75	0.994	1.04
DAD-0002	DAD002A103	91.5	92.4	Illite	1	NULL	NULL	70.34	0.998	1.02
DAD-0002	DAD002A104	92.4	93.3	Illite	0.773	Paragonite	0.227	29.82	0.994	1.04
DAD-0002	DAD002A105	93.3	94.2	Illite	1	NULL	NULL	67.68	0.999	1.03
DAD-0002	DAD002A106	94.2	95.1	Illite	1	NULL	NULL	52.78	0.999	1.02
DAD-0002	DAD002A107	95.1	96	Illite	1	NULL	NULL	44.4	1	1.02
DAD-0002	DAD002A108	96	96.9	Illite	0.725	Paragonite	0.275	26.11	0.989	1.05
DAD-0002	DAD002A109	96.9	97.8	Illite	1	NULL	NULL	83.09	1	1.01
DAD-0002	DAD002A110	97.8	98.7	Illite	0.722	Paragonite	0.278	24.96	0.993	1.04
DAD-0002	DAD002A111	98.7	99.6	Illite	1	NULL	NULL	13.02	1	0.992
DAD-0002	DAD002A112	99.6	100.5	Illite	1	NULL	NULL	29.22	1	1
DAD-0002	DAD002A113	100.5	101.43	Illite	0.699	Paragonite	0.301	13.96	0.984	1.05

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A114	101.43	102.36	Illite	0.735	Paragonite	0.265	17.21	0.983	1.05
DAD-0002	DAD002A115	102.36	103.29	Illite	1	NULL	NULL	56.43	0.997	1.01
DAD-0002	DAD002A116	103.29	104.21	Illite	1	NULL	NULL	37.82	0.997	1.03
DAD-0002	DAD002A117	104.21	105.14	Illite	0.82	Paragonite	0.18	14.5	0.985	1.05
DAD-0002	DAD002A118	105.14	106.07	Illite	0.793	Paragonite	0.207	16.72	0.988	1.04
DAD-0002	DAD002A119	106.07	107	Illite	1	NULL	NULL	44.92	1	1.02
DAD-0002	DAD002A120	107	107.87	Illite	1	NULL	NULL	37.17	1	1.01
DAD-0002	DAD002A121	107.87	108.74	Illite	1	NULL	NULL	21.37	0.999	1.03
DAD-0002	DAD002A122	108.74	109.61	Illite	1	NULL	NULL	15.47	0.994	1.04
DAD-0002	DAD002A123	109.61	110.49	Illite	1	NULL	NULL	23.37	0.993	1.05
DAD-0002	DAD002A124	110.49	111.36	Illite	1	NULL	NULL	35.23	1	1.01
DAD-0002	DAD002A125	111.36	112.23	Illite	1	NULL	NULL	26.15	0.997	1.03
DAD-0002	DAD002A126	112.23	113.1	Illite	0.813	Paragonite	0.187	12.46	0.987	1.05
DAD-0002	DAD002A127	113.1	114.01	Illite	1	NULL	NULL	40.11	0.998	1.02
DAD-0002	DAD002A128	114.01	114.93	Illite	1	NULL	NULL	96.82	1	1
DAD-0002	DAD002A129	114.93	115.84	Illite	1	NULL	NULL	57.7	1	1
DAD-0002	DAD002A130	115.84	116.76	Illite	1	NULL	NULL	66.78	0.998	1
DAD-0002	DAD002A131	116.76	117.67	Illite	1	NULL	NULL	70.56	0.996	1.01
DAD-0002	DAD002A132	117.67	118.59	Illite	1	NULL	NULL	104.98	0.999	1.04
DAD-0002	DAD002A133	118.59	119.5	Illite	1	NULL	NULL	96.31	1	1.04
DAD-0002	DAD002A134	119.5	120.34	Illite	1	NULL	NULL	77.36	1	1.06
DAD-0002	DAD002A135	120.34	121.19	Muscovite	0.602	Paragonite	0.398	47.52	0.992	1.06
DAD-0002	DAD002A136	121.19	122.03	Illite	1	NULL	NULL	95.61	1	1.03
DAD-0002	DAD002A137	122.03	122.87	Illite	1	NULL	NULL	53.01	0.986	1.09
DAD-0002	DAD002A138	122.87	123.71	Illite	0.637	Paragonite	0.363	60.58	0.986	1.03
DAD-0002	DAD002A139	123.71	124.56	Paragonite	0.555	Muscovite	0.445	107.59	0.997	1.02
DAD-0002	DAD002A140	124.56	125.4	Illite	1	NULL	NULL	83.41	0.992	1.08
DAD-0002	DAD002A141	125.4	126.31	Illite	1	NULL	NULL	111.94	0.997	1.03
DAD-0002	DAD002A142	126.31	127.23	Illite	1	NULL	NULL	80.36	0.99	1.04
DAD-0002	DAD002A143	127.23	128.14	Illite	1	NULL	NULL	96.15	0.995	1.02
DAD-0002	DAD002A144	128.14	129.06	Illite	1	NULL	NULL	110.64	1	1.02
DAD-0002	DAD002A145	129.06	129.97	Illite	1	NULL	NULL	137.98	0.993	1.03
DAD-0002	DAD002A146	129.97	130.89	Illite	1	NULL	NULL	74.27	0.992	1.06
DAD-0002	DAD002A147	130.89	131.8	Illite	0.933	Gypsum	0.0668	67.88	0.992	1.04
DAD-0002	DAD002A148	131.8	132.69	Illite	0.933	Gypsum	0.0668	67.88	0.992	1.04
DAD-0002	DAD002A149	132.69	133.57	Illite	1	NULL	NULL	126.53	1.01	1.01
DAD-0002	DAD002A150	133.57	134.46	Illite	1	NULL	NULL	35.93	0.996	1.11
DAD-0002	DAD002A151	134.46	135.34	Illite	1	NULL	NULL	48.64	1.01	1.1
DAD-0002	DAD002A152	135.34	136.23	Illite	0.629	Muscovite	0.371	17.05	1	1.13
DAD-0002	DAD002A153	136.23	137.11	Muscovite	1	NULL	NULL	86.31	1.01	1.03
DAD-0002	DAD002A154	137.11	138	Illite	0.66	Muscovite	0.34	16.72	0.994	1.15
DAD-0002	DAD002A155	138	138.93	Illite	1	NULL	NULL	93.73	1	1.01
DAD-0002	DAD002A156	138.93	139.86	Illite	1	NULL	NULL	93.73	1	1.01
DAD-0002	DAD002A157	139.86	140.79	Illite	1	NULL	NULL	57.49	1	1.07
DAD-0002	DAD002A158	140.79	141.71	Illite	1	NULL	NULL	22.81	0.988	1.12
DAD-0002	DAD002A159	141.71	142.64	Illite	1	NULL	NULL	32.75	0.992	1.07
DAD-0002	DAD002A160	142.64	143.57	Illite	1	NULL	NULL	66.57	1.01	1.03
DAD-0002	DAD002A161	143.57	144.5	Illite	1	NULL	NULL	24.97	0.978	1.17
DAD-0002	DAD002A162	144.5	145.43	Illite	1	NULL	NULL	90.21	1	1.04
DAD-0002	DAD002A163	145.43	146.36	Illite	1	NULL	NULL	82.61	0.996	1.04
DAD-0002	DAD002A164	146.36	147.29	Illite	1	NULL	NULL	55.17	0.999	1.01
DAD-0002	DAD002A165	147.29	148.21	Illite	1	NULL	NULL	88.27	1.01	1.03
DAD-0002	DAD002A166	148.21	149.14	Illite	1	NULL	NULL	60.83	1.01	1.07
DAD-0002	DAD002A167	149.14	150.07	Illite	1	NULL	NULL	60.83	1.01	1.07
DAD-0002	DAD002A168	150.07	151	Illite	1	NULL	NULL	53.03	0.996	1.06
DAD-0002	DAD002A169	151	151.9	Illite	1	NULL	NULL	53.03	0.996	1.06
DAD-0002	DAD002A170	151.9	152.81	Illite	1	NULL	NULL	53.03	0.996	1.06
DAD-0002	DAD002A171	152.81	153.71	Illite	1	NULL	NULL	80.17	1	1.05

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A172	153.71	154.61	Illite	1	NULL	NULL	79.27	1.01	1.04
DAD-0002	DAD002A173	154.61	155.51	Illite	1	NULL	NULL	79.27	1.01	1.04
DAD-0002	DAD002A175	156.42	157.32	Muscovite	0.616	Paragonite	0.384	44.48	0.996	1.08
DAD-0002	DAD002A176	157.32	158.22	Illite	1	NULL	NULL	12.65	0.999	0.982
DAD-0002	DAD002A177	158.22	159	Illite	1	NULL	NULL	72.53	1	1.04
DAD-0002	DAD002A178	159	159.9	Illite	1	NULL	NULL	74.73	0.997	1.01
DAD-0002	DAD002A179	159.9	160.8	Illite	1	NULL	NULL	117.78	0.999	0.993
DAD-0002	DAD002A180	160.8	161.7	Illite	1	NULL	NULL	91.86	1	1.01
DAD-0002	DAD002A181	161.7	162.61	Illite	1	NULL	NULL	66.24	0.996	1.02
DAD-0002	DAD002A182	162.61	163.51	Illite	0.897	Gypsum	0.103	32.01	1	0.969
DAD-0002	DAD002A183	163.51	164.41	Illite	1	NULL	NULL	140.49	1	0.997
DAD-0002	DAD002A184	164.41	165.31	Illite	1	NULL	NULL	42.35	0.996	1.05
DAD-0002	DAD002A185	165.31	166.19	Illite	1	NULL	NULL	42.35	0.996	1.05
DAD-0002	DAD002A186	166.19	167.07	Illite	1	NULL	NULL	77.24	1	1.05
DAD-0002	DAD002A187	167.07	167.96	Illite	1	NULL	NULL	78.75	1	1.05
DAD-0002	DAD002A188	167.96	168.84	Illite	1	NULL	NULL	90.39	0.998	1.02
DAD-0002	DAD002A189	168.84	169.72	Illite	1	NULL	NULL	42.46	1.01	1.01
DAD-0002	DAD002A190	169.72	170.61	Illite	1	NULL	NULL	77.78	1	1.03
DAD-0002	DAD002A191	170.61	171.5	Illite	1	NULL	NULL	67.66	1	1.04
DAD-0002	DAD002A192	171.5	172.4	Illite	1	NULL	NULL	97.33	0.995	1.04
DAD-0002	DAD002A193	172.4	173.29	Illite	0.733	Paragonite	0.267	19.33	0.968	1.15
DAD-0002	DAD002A194	173.29	174.18	Illite	0.615	Paragonite	0.385	26.67	0.964	1.11
DAD-0002	DAD002A195	174.18	175.08	Illite	0.625	Paragonite	0.375	33.97	0.974	1.16
DAD-0002	DAD002A196	175.08	175.98	Illite	0.661	Paragonite	0.339	19.72	0.959	1.16
DAD-0002	DAD002A197	175.98	176.89	Illite	1	NULL	NULL	65.56	1	1.05
DAD-0002	DAD002A198	176.89	177.79	Illite	0.683	Paragonite	0.317	38.41	0.986	1.12
DAD-0002	DAD002A199	177.79	178.69	Illite	0.704	Paragonite	0.296	37.29	0.985	1.11
DAD-0002	DAD002A200	178.69	179.59	Illite	1	NULL	NULL	103.15	0.994	1.05
DAD-0002	DAD002A201	179.59	180.49	Illite	0.698	Paragonite	0.302	29.36	0.965	1.14
DAD-0002	DAD002A202	180.49	181.39	Illite	0.62	Paragonite	0.38	34.11	0.952	1.17
DAD-0002	DAD002A203	181.39	182.29	Illite	1	NULL	NULL	74.72	0.992	1.07
DAD-0002	DAD002A204	182.29	183.19	Illite	1	NULL	NULL	89.38	0.994	1.06
DAD-0002	DAD002A205	183.19	184.09	Illite	1	NULL	NULL	66.03	0.997	1.06
DAD-0002	DAD002A206	184.09	184.99	Illite	1	NULL	NULL	29.35	0.979	1.12
DAD-0002	DAD002A207	184.99	185.9	Illite	1	NULL	NULL	44.41	1	1.05
DAD-0002	DAD002A208	185.9	186.8	Illite	1	NULL	NULL	53.62	0.998	1.09
DAD-0002	DAD002A209	186.8	187.7	Illite	1	NULL	NULL	71.28	1	1.05
DAD-0002	DAD002A210	187.7	188.6	Illite	1	NULL	NULL	63.08	0.997	1.06
DAD-0002	DAD002A211	188.6	189.51	Illite	1	NULL	NULL	75.64	0.985	1.09
DAD-0002	DAD002A212	189.51	190.43	Illite	0.711	Paragonite	0.289	11.19	0.934	1.18
DAD-0002	DAD002A213	190.43	191.34	Illite	1	NULL	NULL	92.66	1.01	1.07
DAD-0002	DAD002A214	191.34	192.26	Illite	1	NULL	NULL	86.87	1.01	1.06
DAD-0002	DAD002A215	192.26	193.17	Illite	0.713	Paragonite	0.287	12.41	0.937	1.18
DAD-0002	DAD002A216	193.17	194.09	Illite	0.691	Paragonite	0.309	12.16	0.943	1.16
DAD-0002	DAD002A217	194.09	195	Illite	0.693	Paragonite	0.307	47.66	0.979	1.14
DAD-0002	DAD002A218	195	195.89	Illite	1	NULL	NULL	47.59	0.982	1.12
DAD-0002	DAD002A219	195.89	196.77	Illite	1	NULL	NULL	56.3	0.999	1.09
DAD-0002	DAD002A220	196.77	197.66	Illite	1	NULL	NULL	55.74	0.99	1.07
DAD-0002	DAD002A221	197.66	198.54	Illite	1	NULL	NULL	58.77	1	1.06
DAD-0002	DAD002A222	198.54	199.43	Illite	1	NULL	NULL	60.9	1	1.03
DAD-0002	DAD002A223	199.43	200.31	Illite	1	NULL	NULL	60.9	1	1.03
DAD-0002	DAD002A224	200.31	201.2	Illite	1	NULL	NULL	35.58	1	1.11
DAD-0002	DAD002A225	201.2	202.14	Illite	1	NULL	NULL	13.05	0.971	1.12
DAD-0002	DAD002A226	202.14	203.08	Illite	1	NULL	NULL	35.19	1	1.11
DAD-0002	DAD002A227	203.08	204.02	Illite	1	NULL	NULL	35.19	1	1.11
DAD-0002	DAD002A228	204.02	204.96	Illite	1	NULL	NULL	13.86	0.972	1.14
DAD-0002	DAD002A229	204.96	205.9	Illite	1	NULL	NULL	13.86	0.972	1.14
DAD-0002	DAD002A230	205.9	207	Illite	1	NULL	NULL	13.06	0.969	1.14

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A231	207	209.7	Illite	1	NULL	NULL	19.25	0.982	1.12
DAD-0002	DAD002A232	209.7	210.4	Illite	1	NULL	NULL	24.02	0.982	1.06
DAD-0002	DAD002A233	210.4	211.4	Illite	1	NULL	NULL	18.48	0.976	1.06
DAD-0002	DAD002A234	211.4	212.2	Illite	0.842	Paragonite	0.158	7.24	0.971	1.12
DAD-0002	DAD002A235	212.2	213.2	Illite	0.803	Paragonite	0.197	13.97	0.973	1.08
DAD-0002	DAD002A236	213.2	214.2	Illite	1	NULL	NULL	18.38	0.97	1.1
DAD-0002	DAD002A237	214.2	216	Illite	1	NULL	NULL	18.47	0.985	1.1
DAD-0002	DAD002A238	216	216.9	Illite	1	NULL	NULL	33.24	0.991	1.04
DAD-0002	DAD002A239	216.9	217.6	Illite	1	NULL	NULL	39.52	0.998	1.01
DAD-0002	DAD002A240	217.6	218.48	Illite	1	NULL	NULL	51.93	1.01	1.08
DAD-0002	DAD002A241	218.48	219.37	Illite	1	NULL	NULL	51.93	1.01	1.08
DAD-0002	DAD002A242	219.37	220.25	Illite	1	NULL	NULL	51.93	1.01	1.08
DAD-0002	DAD002A243	220.25	221.13	Illite	1	NULL	NULL	62.31	0.996	1.1
DAD-0002	DAD002A244	221.13	222.02	Illite	1	NULL	NULL	35.42	0.991	1.15
DAD-0002	DAD002A245	222.02	222.9	Illite	1	NULL	NULL	35.42	0.991	1.15
DAD-0002	DAD002A246	222.9	223.79	Illite	0.736	Paragonite	0.264	19.47	0.973	1.12
DAD-0002	DAD002A247	223.79	224.67	Illite	0.736	Paragonite	0.264	19.47	0.973	1.12
DAD-0002	DAD002A248	224.67	225.56	Muscovite	0.56	Paragonite	0.44	35.51	0.978	1.12
DAD-0002	DAD002A249	225.56	226.44	Illite	1	NULL	NULL	36.78	0.993	1.13
DAD-0002	DAD002A250	226.44	227.33	Illite	1	NULL	NULL	128.29	1	1.04
DAD-0002	DAD002A251	227.33	228.21	Illite	1	NULL	NULL	28.42	0.971	1.19
DAD-0002	DAD002A252	228.21	229.1	Illite	1	NULL	NULL	176.93	1	0.983
DAD-0002	DAD002A253	229.1	230.01	Illite	1	NULL	NULL	86.11	1.01	1.02
DAD-0002	DAD002A254	230.01	230.93	Illite	1	NULL	NULL	36.19	0.983	1.11
DAD-0002	DAD002A255	230.93	231.84	Illite	1	NULL	NULL	88.39	0.995	1.07
DAD-0002	DAD002A256	231.84	232.76	Illite	1	NULL	NULL	88.39	0.995	1.07
DAD-0002	DAD002A257	232.76	233.67	Illite	1	NULL	NULL	39.15	0.993	1.1
DAD-0002	DAD002A258	233.67	234.59	Illite	1	NULL	NULL	37.06	0.995	1.09
DAD-0002	DAD002A259	234.59	235.5	Illite	0.868	Gypsum	0.132	61.29	1	0.97
DAD-0002	DAD002A260	235.5	236.4	Muscovite	1	NULL	NULL	79.25	1.01	1.01
DAD-0002	DAD002A261	236.4	237.3	Illite	1	NULL	NULL	91.74	1	1.03
DAD-0002	DAD002A262	237.3	238.2	Muscovite	1	NULL	NULL	74.02	1	0.996
DAD-0002	DAD002A263	238.2	239.1	Muscovite	0.819	Gypsum	0.181	319.11	1	0.907
DAD-0002	DAD002A264	239.1	240	Illite	0.861	Gypsum	0.139	116	1	0.969
DAD-0002	DAD002A265	240	241	Illite	1	NULL	NULL	57.64	0.997	1.01
DAD-0002	DAD002A266	241	241.85	Muscovite	1	NULL	NULL	120.23	1.02	0.981
DAD-0002	DAD002A267	241.85	242.7	Muscovite	1	NULL	NULL	43.05	1.02	0.975
DAD-0002	DAD002A268	242.7	243.58	Muscovite	1	NULL	NULL	18.13	1.01	0.967
DAD-0002	DAD002A269	243.58	244.47	Illite	1	NULL	NULL	60.34	0.987	0.968
DAD-0002	DAD002A270	244.47	245.35	Phengite	1	NULL	NULL	213.8	1.01	1
DAD-0002	DAD002A271	245.35	246.23	Muscovite	1	NULL	NULL	31.1	1	0.968
DAD-0002	DAD002A272	246.23	247.12	Muscovite	1	NULL	NULL	96.68	1	0.979
DAD-0002	DAD002A273	247.12	248	Phengite	0.622	Montmorillonite	0.378	107.25	1.01	0.975
DAD-0002	DAD002A274	248	248.93	Phengite	1	NULL	NULL	148.8	1.01	0.976
DAD-0002	DAD002A275	248.93	249.86	Phengite	0.573	MgChlorite	0.427	163.21	1.01	0.977
DAD-0002	DAD002A276	249.86	250.79	Phengite	0.573	MgChlorite	0.427	163.21	1.01	0.977
DAD-0002	DAD002A277	250.79	251.71	MgChlorite	0.726	Phengite	0.274	57.48	1.02	0.886
DAD-0002	DAD002A278	251.71	252.64	MgChlorite	0.744	Phengite	0.256	57.16	1.02	0.84
DAD-0002	DAD002A279	252.64	253.57	NULL	NULL	NULL	NULL	1000	0.979	0.934
DAD-0002	DAD002A280	253.57	254.5	IntChlorite	0.621	Phengite	0.379	123.84	1.04	0.932
DAD-0002	DAD002A281	254.5	255.37	MgChlorite	0.571	IntChlorite	0.429	49.43	1.02	0.874
DAD-0002	DAD002A282	255.37	256.24	MgChlorite	0.922	Topaz	0.0784	261.69	1.02	0.959
DAD-0002	DAD002A283	256.24	257.11	IntChlorite	0.817	Phlogopite2	0.183	50.99	1.02	0.949
DAD-0002	DAD002A284	257.11	257.99	IntChlorite	0.608	MgChlorite	0.392	40.89	0.999	0.927
DAD-0002	DAD002A285	257.99	258.86	MgChlorite	0.703	Phengite	0.297	231.47	1.01	0.966
DAD-0002	DAD002A286	258.86	259.73	MgChlorite	0.83	Epidote	0.17	96.81	1.01	0.916
DAD-0002	DAD002A287	259.73	260.6	MgChlorite	1	NULL	NULL	106.47	0.99	0.948
DAD-0002	DAD002A288	260.6	261.37	MgChlorite	1	NULL	NULL	46.16	1.02	0.853

Appendix da98-06 TSA Drill

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A289	261.37	262.14	MgChlorite	0.626	FeChlorite	0.374	46.24	1.02	0.911
DAD-0002	DAD002A290	262.14	262.91	IntChlorite	0.518	MgChlorite	0.482	35.4	1.02	0.92
DAD-0002	DAD002A291	262.91	263.69	IntChlorite	0.54	MgChlorite	0.46	38.82	0.998	0.932
DAD-0002	DAD002A292	263.69	264.46	IntChlorite	0.764	Phlogopite2	0.236	86.32	0.995	0.975
DAD-0002	DAD002A293	264.46	265.23	Rhodocrosite	1	NULL	NULL	139.91	0.995	0.963
DAD-0002	DAD002A294	265.23	266	IntChlorite	0.65	MgChlorite	0.35	21.75	1.01	0.921
DAD-0002	DAD002A295	266	267.03	IntChlorite	0.569	MgChlorite	0.431	37.7	1.02	0.937
DAD-0002	DAD002A296	267.03	268.06	IntChlorite	1	NULL	NULL	82.52	1.01	0.962
DAD-0002	DAD002A297	268.06	269.09	IntChlorite	0.594	MgChlorite	0.406	31.07	1.01	0.927
DAD-0002	DAD002A298	269.09	270.11	FeChlorite	0.549	MgChlorite	0.451	49.12	1	0.968
DAD-0002	DAD002A299	270.11	271.14	IntChlorite	1	NULL	NULL	84.92	1.01	0.97
DAD-0002	DAD002A300	271.14	272.17	MgChlorite	1	NULL	NULL	150.84	0.981	0.957
DAD-0002	DAD002A301	272.17	273.2	IntChlorite	0.832	Actinolite	0.168	232.6	0.991	0.967
DAD-0002	DAD002A302	273.2	274.09	Epidote	1	NULL	NULL	225.28	1	0.97
DAD-0002	DAD002A303	274.09	274.97	NULL	NULL	NULL	NULL	1000	0.997	0.979
DAD-0002	DAD002A304	274.97	275.86	IntChlorite	0.744	Ankerite	0.256	258.31	0.996	0.984
DAD-0002	DAD002A305	275.86	276.74	MgChlorite	0.576	Rhodocrosite	0.424	258.13	0.992	0.977
DAD-0002	DAD002A306	276.74	277.63	Rhodocrosite	0.507	MgChlorite	0.493	392.65	1	0.978
DAD-0002	DAD002A307	277.63	278.51	IntChlorite	0.513	Axinite	0.487	391.07	1.01	0.978
DAD-0002	DAD002A308	278.51	279.4	MgChlorite	1	NULL	NULL	243.44	0.955	0.985
DAD-0002	DAD002A309	279.4	280.27	MgChlorite	0.863	Epidote	0.137	38.89	1.01	0.965
DAD-0002	DAD002A310	280.27	281.14	IntChlorite	0.67	Phlogopite2	0.33	175.91	0.991	0.979
DAD-0002	DAD002A311	281.14	282.01	MgChlorite	0.625	FeChlorite	0.375	51.07	0.988	0.95
DAD-0002	DAD002A312	282.01	282.89	IntChlorite	0.726	Phlogopite2	0.274	81.31	1.01	0.964
DAD-0002	DAD002A313	282.89	283.76	MgChlorite	1	NULL	NULL	185.45	1	0.974
DAD-0002	DAD002A315	284.63	285.5	MgChlorite	0.553	FeChlorite	0.447	56.23	1.01	0.921
DAD-0002	DAD002A316	285.5	286.4	IntChlorite	0.806	Talc	0.194	100.27	1.02	0.935
DAD-0002	DAD002A317	286.4	287.3	NULL	NULL	NULL	NULL	1000	0.977	0.999
DAD-0002	DAD002A318	287.3	288.2	NULL	NULL	NULL	NULL	1000	1.02	1
DAD-0002	DAD002A319	288.2	289.1	NULL	NULL	NULL	NULL	1000	0.996	1
DAD-0002	DAD002A320	289.1	290	NULL	NULL	NULL	NULL	1000	0.995	0.998
DAD-0002	DAD002A321	290	290.9	NULL	NULL	NULL	NULL	1000	0.993	1.01
DAD-0002	DAD002A322	290.9	291.8	NULL	NULL	NULL	NULL	1000	1.01	1
DAD-0002	DAD002A323	291.8	292.69	NULL	NULL	NULL	NULL	1000	0.996	1
DAD-0002	DAD002A324	292.69	293.57	NULL	NULL	NULL	NULL	1000	1.01	1.02
DAD-0002	DAD002A325	293.57	294.46	NULL	NULL	NULL	NULL	1000	1.02	1.01
DAD-0002	DAD002A326	294.46	295.34	MgChlorite	1	NULL	NULL	218.55	1.01	1.01
DAD-0002	DAD002A327	295.34	296.23	MgChlorite	0.93	Topaz	0.07	101.04	1	0.994
DAD-0002	DAD002A329	297.11	298	MgChlorite	0.923	Topaz	0.077	138.79	0.996	0.994
DAD-0002	DAD002A330	298	298.89	MgChlorite	0.766	Epidote	0.234	69.06	1	0.988
DAD-0002	DAD002A331	298.89	299.77	MgChlorite	0.757	Montmorillonite	0.243	107.52	1	0.911
DAD-0002	DAD002A332	299.77	300.66	MgChlorite	1	NULL	NULL	123.99	1.01	0.93
DAD-0002	DAD002A333	300.66	301.54	MgChlorite	0.842	Epidote	0.158	43.6	1.01	0.957
DAD-0002	DAD002A334	301.54	302.43	MgChlorite	0.738	Rhodocrosite	0.262	71.21	1.01	0.958
DAD-0002	DAD002A335	302.43	303.31	MgChlorite	0.748	Phengite	0.252	98.59	1.01	0.97
DAD-0002	DAD002A336	303.31	304.2	MgChlorite	1	NULL	NULL	116.8	1.01	0.959
DAD-0002	DAD002A337	304.2	305.04	MgChlorite	1	NULL	NULL	99.06	1.01	0.948
DAD-0002	DAD002A338	305.04	305.89	MgChlorite	0.658	FeChlorite	0.342	49.39	1.01	0.918
DAD-0002	DAD002A339	305.89	306.73	MgChlorite	1	NULL	NULL	58.74	0.998	0.95
DAD-0002	DAD002A340	306.73	307.57	MgChlorite	0.813	Rhodocrosite	0.187	46.98	1.01	0.942
DAD-0002	DAD002A341	307.57	308.41	IntChlorite	0.753	Muscovite	0.247	101.01	1.02	0.956
DAD-0002	DAD002A342	308.41	309.26	MgChlorite	0.704	Muscovite	0.296	160.81	1	0.975
DAD-0002	DAD002A343	309.26	310.1	MgChlorite	0.686	Rhodocrosite	0.314	197.86	1.02	0.978
DAD-0002	DAD002A344	310.1	311.03	MgChlorite	0.8	Muscovite	0.2	81.24	1.01	0.954
DAD-0002	DAD002A345	311.03	311.96	MgChlorite	0.718	Rhodocrosite	0.282	85.26	1	0.961
DAD-0002	DAD002A346	311.96	312.89	MgChlorite	0.814	Phengite	0.186	47.84	1.01	0.924
DAD-0002	DAD002A347	312.89	313.81	MgChlorite	0.805	Phengite	0.195	78.5	1.01	0.967
DAD-0002	DAD002A348	313.81	314.74	MgChlorite	0.724	Phengite	0.276	67.01	1.02	0.97

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A349	314.74	315.67	MgChlorite	1	NULL	NULL	200.52	0.993	1
DAD-0002	DAD002A350	315.67	316.6	NULL	NULL	NULL	NULL	1000	1.01	1
DAD-0002	DAD002A351	316.6	317.47	NULL	NULL	NULL	NULL	1000	1.01	1.02
DAD-0002	DAD002A352	317.47	318.34	Rhodocrosite	0.913	Topaz	0.0868	567.3	0.987	1
DAD-0002	DAD002A353	318.34	319.21	NULL	NULL	NULL	NULL	1000	1	1.01
DAD-0002	DAD002A354	319.21	320.09	MgChlorite	0.65	Nacrite	0.35	334.54	1	1.01
DAD-0002	DAD002A355	320.09	320.96	MgChlorite	0.672	Talc	0.328	318.4	1.01	0.984
DAD-0002	DAD002A357	321.83	322.7	NULL	NULL	NULL	NULL	1000	0.995	1
DAD-0002	DAD002A358	322.7	323.57	Phlogopite2	0.67	Calcite	0.33	231.16	1	0.995
DAD-0002	DAD002A359	323.57	324.44	MgChlorite	0.567	Phengite	0.433	162.16	1	0.99
DAD-0002	DAD002A360	324.44	325.31	Muscovite	0.501	MgChlorite	0.499	155.56	0.995	0.977
DAD-0002	DAD002A361	325.31	326.19	MgChlorite	1	NULL	NULL	51.63	1.02	0.889
DAD-0002	DAD002A362	326.19	327.06	MgChlorite	0.862	Epidote	0.138	42.13	0.999	0.954
DAD-0002	DAD002A363	327.06	327.93	MgChlorite	0.57	FeChlorite	0.43	38.8	0.998	0.942
DAD-0002	DAD002A364	327.93	328.8	IntChlorite	0.793	Rhodocrosite	0.207	42.77	0.997	0.976
DAD-0002	DAD002A365	328.8	329.69	IntChlorite	0.77	Phlogopite2	0.23	30.73	1	0.968
DAD-0002	DAD002A366	329.69	330.57	IntChlorite	0.812	Phlogopite2	0.188	27.02	1.01	0.973
DAD-0002	DAD002A367	330.57	331.46	MgChlorite	0.563	FeChlorite	0.437	46.19	1	0.959
DAD-0002	DAD002A368	331.46	332.34	MgChlorite	0.761	Rhodocrosite	0.239	44.71	1.01	0.956
DAD-0002	DAD002A369	332.34	333.23	MgChlorite	0.588	FeChlorite	0.412	35.37	0.993	0.963
DAD-0002	DAD002A370	333.23	334.11	MgChlorite	0.848	Epidote	0.152	42.57	1	0.972
DAD-0002	DAD002A371	334.11	335	MgChlorite	0.887	Epidote	0.113	33.54	0.997	0.946
DAD-0002	DAD002A372	335	335.89	MgChlorite	0.856	Epidote	0.144	36.94	1	0.954
DAD-0002	DAD002A373	335.89	336.79	MgChlorite	0.671	FeChlorite	0.329	36.95	0.998	0.929
DAD-0002	DAD002A374	336.79	337.68	MgChlorite	1	NULL	NULL	121.09	0.994	0.919
DAD-0002	DAD002A375	337.68	338.57	MgChlorite	0.826	Rhodocrosite	0.174	51.33	1	0.873
DAD-0002	DAD002A376	338.57	339.46	MgChlorite	0.858	Epidote	0.142	54.41	1.01	0.891
DAD-0002	DAD002A378	340.36	341.25	NULL	NULL	NULL	NULL	1000	0.996	1
DAD-0002	DAD002A379	341.25	342.16	Brocantite	0.674	Topaz	0.326	295.17	1	1.01
DAD-0002	DAD002A380	342.16	343.06	Rhodocrosite	0.837	Topaz	0.163	359.76	1	1
DAD-0002	DAD002A381	343.06	343.97	MgChlorite	0.817	Topaz	0.183	527.04	1.01	1.01
DAD-0002	DAD002A382	343.97	344.88	NULL	NULL	NULL	NULL	1000	1.02	0.995
DAD-0002	DAD002A383	344.88	345.79	MgChlorite	0.9	Topaz	0.1	303.55	1.01	0.986
DAD-0002	DAD002A384	345.79	346.69	MgChlorite	0.754	Muscovite	0.246	158.34	1.02	0.964
DAD-0002	DAD002A385	346.69	347.6	MgChlorite	0.679	Muscovite	0.321	155.35	1.02	0.957
DAD-0002	DAD002A386	347.6	348.5	MgChlorite	0.755	Phengite	0.245	97.54	1.02	0.925
DAD-0002	DAD002A387	348.5	349.4	MgChlorite	1	NULL	NULL	129.69	1.01	0.908
DAD-0002	DAD002A388	349.4	350.3	MgChlorite	0.914	Topaz	0.0856	69.31	0.993	0.948
DAD-0002	DAD002A389	350.3	351.2	MgChlorite	0.75	Phengite	0.25	137.69	1	0.948
DAD-0002	DAD002A390	351.2	352.1	MgChlorite	0.792	Phengite	0.208	79.86	1.03	0.777
DAD-0002	DAD002A392	353	353.9	MgChlorite	0.823	Epidote	0.177	73.03	1	0.938
DAD-0002	DAD002A394	354.76	355.61	MgChlorite	1	NULL	NULL	190.62	1.01	0.944
DAD-0002	DAD002A396	356.47	357.33	Muscovite	0.709	Epidote	0.291	247.81	1.02	0.979
DAD-0002	DAD002A397	357.33	358.19	MgChlorite	0.625	Phengite	0.375	156.93	1	0.964
DAD-0002	DAD002A398	358.19	359.04	MgChlorite	0.796	Illite	0.204	75.25	1.02	0.724
DAD-0002	DAD002A399	359.04	359.9	Phengite	0.583	Montmorillonite	0.417	69.16	1.09	0.715
DAD-0002	DAD002A400	359.9	360.79	Muscovite	1	NULL	NULL	93.51	1.01	0.958
DAD-0002	DAD002A401	360.79	361.67	Illite	1	NULL	NULL	10.51	0.999	0.978
DAD-0002	DAD002A402	361.67	362.56	Muscovite	0.52	Illite	0.48	40.73	1	1.06
DAD-0002	DAD002A403	362.56	363.44	Illite	0.844	Gypsum	0.156	167.8	1	0.942
DAD-0002	DAD002A404	363.44	364.33	Muscovite	1	NULL	NULL	97.35	0.994	0.99
DAD-0002	DAD002A405	364.33	365.21	Illite	0.701	Gypsum	0.299	515.53	1.01	0.852
DAD-0002	DAD002A406	365.21	366.1	Muscovite	0.867	Gypsum	0.133	240.52	1.01	0.919
DAD-0002	DAD002A407	366.1	366.97	Muscovite	0.878	Gypsum	0.122	195.37	1	0.954
DAD-0002	DAD002A408	366.97	367.84	Illite	0.768	Gypsum	0.232	245.5	1	0.908
DAD-0002	DAD002A409	367.84	368.71	Illite	0.829	Gypsum	0.171	192.29	1	0.927
DAD-0002	DAD002A410	368.71	369.59	Muscovite	0.879	Gypsum	0.121	178.46	1	0.945
DAD-0002	DAD002A411	369.59	370.46	Illite	0.803	Gypsum	0.197	226.72	1.01	0.892

Appendix da98-06 TSA Drill

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A412	370.46	371.33	Illite	0.721	Gypsum	0.279	196.39	1	0.917
DAD-0002	DAD002A413	371.33	372.2	Muscovite	0.804	Gypsum	0.196	457.25	1	0.92
DAD-0002	DAD002A414	372.2	373.09	Illite	0.735	Gypsum	0.265	218.72	1	0.938
DAD-0002	DAD002A415	373.09	373.97	Illite	0.761	Gypsum	0.239	245.55	1.01	0.908
DAD-0002	DAD002A416	373.97	374.86	Illite	0.747	Gypsum	0.253	74.97	0.999	0.933
DAD-0002	DAD002A417	374.86	375.74	Illite	0.858	Gypsum	0.142	76.77	1	0.967
DAD-0002	DAD002A418	375.74	376.63	Illite	0.731	Gypsum	0.269	213	1.01	0.925
DAD-0002	DAD002A419	376.63	377.51	Illite	0.75	Gypsum	0.25	257.12	1	0.915
DAD-0002	DAD002A420	377.51	378.4	Illite	0.711	Gypsum	0.289	163.73	1.01	0.904
DAD-0002	DAD002A421	378.4	379.3	Muscovite	0.831	Gypsum	0.169	117.25	1	0.964
DAD-0002	DAD002A422	379.3	380.2	Illite	0.84	Gypsum	0.16	205.11	1	0.95
DAD-0002	DAD002A423	380.2	381.1	NULL	NULL	NULL	NULL	1000	1	0.897
DAD-0002	DAD002A424	381.1	382	NULL	NULL	NULL	NULL	1000	1	0.885
DAD-0002	DAD002A425	382	382.9	Illite	0.923	Gypsum	0.0771	79.62	0.995	1.01
DAD-0002	DAD002A426	382.9	383.8	Illite	0.923	Gypsum	0.0771	79.62	0.995	1.01
DAD-0002	DAD002A427	383.8	384.7	Illite	0.812	Gypsum	0.188	245.52	1	0.928
DAD-0002	DAD002A428	384.7	385.59	Muscovite	0.747	Gypsum	0.253	61.67	1	0.921
DAD-0002	DAD002A429	385.59	386.47	Muscovite	1	NULL	NULL	69.38	1	0.985
DAD-0002	DAD002A430	386.47	387.36	Muscovite	1	NULL	NULL	143.62	1.01	0.992
DAD-0002	DAD002A431	387.36	388.24	Illite	1	NULL	NULL	185.78	1.01	0.996
DAD-0002	DAD002A432	388.24	389.13	Illite	0.874	Gypsum	0.126	171.55	1.01	0.955
DAD-0002	DAD002A433	389.13	390.01	NULL	NULL	NULL	NULL	1000	1	0.867
DAD-0002	DAD002A434	390.01	390.9	Illite	0.89	Gypsum	0.11	89.84	1	0.984
DAD-0002	DAD002A435	390.9	391.76	Illite	0.786	Gypsum	0.214	322.71	0.999	0.918
DAD-0002	DAD002A436	391.76	392.61	Illite	1	NULL	NULL	122.56	1	1.01
DAD-0002	DAD002A438	393.47	394.33	Illite	0.847	Gypsum	0.153	178.26	1	0.94
DAD-0002	DAD002A439	394.33	395.19	Illite	0.874	Gypsum	0.126	162.92	1.01	0.956
DAD-0002	DAD002A440	395.19	396.04	Illite	0.658	Gypsum	0.342	153.58	1	0.87
DAD-0002	DAD002A441	396.04	396.9	Illite	0.803	Gypsum	0.197	411.35	0.998	0.899
DAD-0002	DAD002A442	396.9	397.76	Illite	0.844	Gypsum	0.156	176.76	1	0.885
DAD-0002	DAD002A443	397.76	398.61	Illite	0.845	Gypsum	0.155	180.16	1	0.931
DAD-0002	DAD002A444	398.61	399.47	Illite	0.675	Gypsum	0.325	356.49	1	0.812
DAD-0002	DAD002A445	399.47	400.33	Illite	0.754	Gypsum	0.246	353.85	1	0.86
DAD-0002	DAD002A446	400.33	401.19	Illite	0.687	Gypsum	0.313	206.07	1.01	0.746
DAD-0002	DAD002A447	401.19	402.04	Illite	0.879	Gypsum	0.121	152.66	1.01	0.911
DAD-0002	DAD002A448	402.04	402.9	Illite	0.679	Gypsum	0.321	445.25	1.01	0.809
DAD-0002	DAD002A449	402.9	403.79	NULL	NULL	NULL	NULL	1000	1	0.875
DAD-0002	DAD002A450	403.79	404.67	Illite	0.848	Gypsum	0.152	159	1	0.908
DAD-0002	DAD002A451	404.67	405.56	Illite	0.922	Gypsum	0.0783	64.41	0.997	0.99
DAD-0002	DAD002A452	405.56	406.44	Illite	0.872	Gypsum	0.128	251.1	1.01	0.932
DAD-0002	DAD002A453	406.44	407.33	Illite	0.86	Gypsum	0.14	201.97	0.996	0.95
DAD-0002	DAD002A454	407.33	408.21	Illite	0.889	Gypsum	0.111	148.51	0.995	0.968
DAD-0002	DAD002A455	408.21	409.1	Illite	0.879	Gypsum	0.121	168.69	0.999	0.965
DAD-0002	DAD002A456	409.1	409.98	Illite	0.843	Gypsum	0.157	172.72	1	0.939
DAD-0002	DAD002A457	409.98	410.86	Illite	0.838	Gypsum	0.162	60.42	1.01	0.95
DAD-0002	DAD002A458	410.86	411.74	NULL	NULL	NULL	NULL	1000	1.01	0.934
DAD-0002	DAD002A459	411.74	412.61	Illite	0.9	Gypsum	0.1	114.77	1	0.989
DAD-0002	DAD002A460	412.61	413.49	Illite	0.814	Gypsum	0.186	177.77	1	0.927
DAD-0002	DAD002A461	413.49	414.37	Illite	1	NULL	NULL	170.32	0.996	1
DAD-0002	DAD002A462	414.37	415.25	Illite	0.751	Gypsum	0.249	102.04	0.995	0.922
DAD-0002	DAD002A463	415.25	416.16	Illite	0.837	Gypsum	0.163	162.91	1	0.933
DAD-0002	DAD002A464	416.16	417.06	Illite	0.716	Gypsum	0.284	337.85	0.998	0.868
DAD-0002	DAD002A465	417.06	417.97	Illite	0.877	Gypsum	0.123	98.2	0.995	0.971
DAD-0002	DAD002A466	417.97	418.88	Illite	0.826	Gypsum	0.174	270.38	0.998	0.94
DAD-0002	DAD002A467	418.88	419.79	Illite	0.825	Gypsum	0.175	255.91	0.998	0.92
DAD-0002	DAD002A468	419.79	420.69	Illite	0.878	Gypsum	0.122	187.67	1	0.955
DAD-0002	DAD002A469	420.69	421.6	Paragonite	0.547	Muscovite	0.453	92.7	0.995	1.02
DAD-0002	DAD002A470	421.6	422.49	Illite	0.886	Gypsum	0.114	166.34	1	0.959

Appendix da98-06 TSA Drill

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A471	422.49	423.39	Illite	1	NULL	NULL	186.04	0.997	0.973
DAD-0002	DAD002A472	423.39	424.28	Illite	1	NULL	NULL	40.94	1	0.976
DAD-0002	DAD002A473	424.28	425.17	Illite	1	NULL	NULL	143.07	1	0.997
DAD-0002	DAD002A474	425.17	426.06	Illite	0.77	Gypsum	0.23	280.69	1	0.93
DAD-0002	DAD002A475	426.06	426.96	Illite	0.888	Gypsum	0.112	175.98	1	0.963
DAD-0002	DAD002A476	426.96	427.85	Illite	1	NULL	NULL	228.19	1	0.985
DAD-0002	DAD002A477	427.85	428.71	Illite	1	NULL	NULL	50.16	0.993	1.1
DAD-0002	DAD002A478	428.71	429.58	Illite	1	NULL	NULL	44.5	0.999	1.04
DAD-0002	DAD002A479	429.58	430.44	Illite	1	NULL	NULL	18.58	0.993	1.05
DAD-0002	DAD002A480	430.44	431.31	Illite	1	NULL	NULL	91.58	0.995	0.997
DAD-0002	DAD002A481	431.31	432.17	Illite	1	NULL	NULL	129.86	0.991	0.987
DAD-0002	DAD002A482	432.17	433.04	Illite	1	NULL	NULL	37.35	0.992	0.969
DAD-0002	DAD002A483	433.04	433.9	Paragonite	0.548	Muscovite	0.452	119.44	0.995	0.996
DAD-0002	DAD002A484	433.9	434.8	Paragonite	0.506	Muscovite	0.494	74.73	0.99	1.03
DAD-0002	DAD002A485	434.8	435.7	Illite	1	NULL	NULL	82.23	1	0.958
DAD-0002	DAD002A486	435.7	436.6	Illite	1	NULL	NULL	103.47	1	1.08
DAD-0002	DAD002A487	436.6	437.5	Illite	1	NULL	NULL	37.43	0.997	1.1
DAD-0002	DAD002A488	437.5	438.4	Illite	1	NULL	NULL	11.01	0.97	1.1
DAD-0002	DAD002A489	438.4	439.3	Illite	1	NULL	NULL	67.42	0.995	1.06
DAD-0002	DAD002A490	439.3	440.2	Illite	1	NULL	NULL	43.82	0.986	1.05
DAD-0002	DAD002A491	440.2	441.16	Illite	1	NULL	NULL	25.03	0.991	1.04
DAD-0002	DAD002A492	441.16	442.11	Illite	1	NULL	NULL	63.1	0.992	1.02
DAD-0002	DAD002A493	442.11	443.07	Illite	1	NULL	NULL	21.93	0.989	1.06
DAD-0002	DAD002A494	443.07	444.03	Illite	1	NULL	NULL	81.45	1	1.02
DAD-0002	DAD002A495	444.03	444.99	Illite	1	NULL	NULL	83.9	0.994	1.02
DAD-0002	DAD002A496	444.99	445.94	Illite	0.871	Gypsum	0.129	189.09	0.998	0.963
DAD-0002	DAD002A497	445.94	446.9	Illite	0.676	Paragonite	0.324	53.13	0.981	1.08
DAD-0002	DAD002A498	446.9	447.79	Illite	1	NULL	NULL	88.26	0.993	0.974
DAD-0002	DAD002A499	447.79	448.67	Illite	1	NULL	NULL	155.29	0.992	0.976
DAD-0002	DAD002A500	448.67	449.56	Illite	1	NULL	NULL	187.33	0.999	0.982
DAD-0002	DAD002A501	449.56	450.44	Paragonite	0.519	Muscovite	0.481	143.89	0.986	0.996
DAD-0002	DAD002A502	450.44	451.33	Illite	1	NULL	NULL	105.44	1.01	1.04
DAD-0002	DAD002A503	451.33	452.21	Illite	1	NULL	NULL	79.23	0.994	1.01
DAD-0002	DAD002A504	452.21	453.1	Illite	1	NULL	NULL	62.64	0.997	1.03
DAD-0002	DAD002A505	453.1	454.04	Illite	0.801	Paragonite	0.199	18.4	0.978	1.05
DAD-0002	DAD002A506	454.04	454.99	Illite	0.649	Paragonite	0.351	50.5	0.987	1.05
DAD-0002	DAD002A507	454.99	455.93	Illite	1	NULL	NULL	109.25	1	1.02
DAD-0002	DAD002A508	455.93	456.87	Illite	0.868	Gypsum	0.132	225.22	0.996	0.958
DAD-0002	DAD002A509	456.87	457.81	Illite	1	NULL	NULL	95.86	1	0.984
DAD-0002	DAD002A510	457.81	458.76	Illite	1	NULL	NULL	95.86	1	0.984
DAD-0002	DAD002A511	458.76	459.7	Illite	1	NULL	NULL	203.83	0.992	0.981
DAD-0002	DAD002A512	459.7	460.57	Illite	0.532	Paragonite	0.468	80.94	0.989	1.03
DAD-0002	DAD002A513	460.57	461.43	Illite	1	NULL	NULL	209.7	0.999	0.969
DAD-0002	DAD002A514	461.43	462.3	Illite	0.853	Gypsum	0.147	177.51	0.998	0.958
DAD-0002	DAD002A515	462.3	463.17	Illite	0.802	Gypsum	0.198	274.03	1	0.944
DAD-0002	DAD002A516	463.17	464.03	Illite	1	NULL	NULL	138.24	1	0.991
DAD-0002	DAD002A517	464.03	464.9	Paragonite	0.545	Muscovite	0.455	109.87	0.997	1.01
DAD-0002	DAD002A518	464.9	465.8	Muscovite	0.529	Paragonite	0.471	45.6	0.991	1.11
DAD-0002	DAD002A519	465.8	466.7	Illite	1	NULL	NULL	41.62	0.987	1.08
DAD-0002	DAD002A520	466.7	467.6	Illite	1	NULL	NULL	49.44	0.996	1.07
DAD-0002	DAD002A521	467.6	468.53	Illite	1	NULL	NULL	25.56	0.961	1.12
DAD-0002	DAD002A522	468.53	469.46	Illite	1	NULL	NULL	19.45	0.978	1.08
DAD-0002	DAD002A523	469.46	470.39	Illite	1	NULL	NULL	60.93	0.995	1.03
DAD-0002	DAD002A524	470.39	471.32	Illite	0.704	Paragonite	0.296	38.94	0.986	1.03
DAD-0002	DAD002A525	471.32	472.25	Illite	0.647	Paragonite	0.353	38.66	0.971	1.04
DAD-0002	DAD002A526	472.25	473.16	Illite	1	NULL	NULL	229.58	0.996	0.992
DAD-0002	DAD002A527	473.16	474.07	Illite	1	NULL	NULL	144.54	0.993	0.991
DAD-0002	DAD002A528	474.07	474.99	Illite	0.819	Gypsum	0.181	116	1	0.947

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A529	474.99	475.9	Illite	0.805	Gypsum	0.195	384.58	1	0.935
DAD-0002	DAD002A530	475.9	476.76	Illite	1	NULL	NULL	248.81	0.999	0.978
DAD-0002	DAD002A531	476.76	477.62	Illite	0.814	Epidote	0.186	346.88	0.994	0.942
DAD-0002	DAD002A532	477.62	478.49	Illite	1	NULL	NULL	40.73	0.995	0.997
DAD-0002	DAD002A533	478.49	479.35	Illite	0.852	Gypsum	0.148	166.64	0.996	0.922
DAD-0002	DAD002A534	479.35	480.26	Illite	0.829	Gypsum	0.171	278.96	1	0.921
DAD-0002	DAD002A535	480.26	481.17	Illite	0.858	Gypsum	0.142	286.73	1	0.957
DAD-0002	DAD002A536	481.17	482.08	Illite	1	NULL	NULL	46.96	0.996	0.946
DAD-0002	DAD002A537	482.08	482.99	Paragonite	1	NULL	NULL	35.69	1	0.97
DAD-0002	DAD002A538	482.99	483.9	Paragonite	1	NULL	NULL	183.56	0.983	0.993
DAD-0002	DAD002A539	483.9	484.61	Illite	0.819	Gypsum	0.181	289.22	1.01	0.917
DAD-0002	DAD002A540	484.61	485.32	Paragonite	1	NULL	NULL	247.47	1	0.963
DAD-0002	DAD002A541	485.32	486.02	Illite	0.876	Gypsum	0.124	301.61	1	0.881
DAD-0002	DAD002A542	486.02	486.73	Illite	1	NULL	NULL	147.91	0.988	0.963
DAD-0002	DAD002A543	486.73	487.44	Illite	0.83	Gypsum	0.17	76.04	1	0.967
DAD-0002	DAD002A544	487.44	488.15	Paragonite	1	NULL	NULL	147.64	1	1.01
DAD-0002	DAD002A545	488.15	489.35	Illite	0.8	Gypsum	0.2	322.01	1	0.9
DAD-0002	DAD002A546	489.35	490.55	Illite	0.892	Gypsum	0.108	124.24	0.998	0.972
DAD-0002	DAD002A547	490.55	491.75	Illite	0.837	Gypsum	0.163	243.24	1	0.946
DAD-0002	DAD002A548	491.75	492.62	Illite	1	NULL	NULL	191.38	1.01	0.939
DAD-0002	DAD002A549	492.62	493.5	Illite	1	NULL	NULL	56.19	1	1
DAD-0002	DAD002A550	493.5	494.37	Illite	0.839	Gypsum	0.161	208.99	1	0.924
DAD-0002	DAD002A551	494.37	495.25	Illite	0.867	Gypsum	0.133	92.37	1	0.965
DAD-0002	DAD002A552	495.25	496.12	Illite	1	NULL	NULL	98.88	0.99	1.04
DAD-0002	DAD002A553	496.12	497	Illite	1	NULL	NULL	97.95	0.995	1.03
DAD-0002	DAD002A554	497	497.88	Muscovite	0.54	Paragonite	0.46	87.54	0.988	1.05
DAD-0002	DAD002A555	497.88	498.77	Illite	1	NULL	NULL	162.61	0.996	0.988
DAD-0002	DAD002A556	498.77	499.65	Paragonite	0.503	Muscovite	0.497	101.03	0.99	1.03
DAD-0002	DAD002A557	499.65	500.54	Illite	1	NULL	NULL	145.36	0.997	1.01
DAD-0002	DAD002A558	500.54	501.42	Illite	1	NULL	NULL	101.08	0.994	1.04
DAD-0002	DAD002A559	501.42	502.31	Illite	1	NULL	NULL	66.54	0.99	1.06
DAD-0002	DAD002A560	502.31	503.2	Muscovite	0.507	Paragonite	0.493	112.36	0.996	1.02
DAD-0002	DAD002A561	503.2	504.08	Muscovite	0.56	Paragonite	0.44	77.72	0.991	1.03
DAD-0002	DAD002A562	504.08	504.96	Illite	1	NULL	NULL	63.96	0.989	1.09
DAD-0002	DAD002A563	504.96	505.84	Paragonite	0.531	Muscovite	0.469	98.21	0.998	1.03
DAD-0002	DAD002A564	505.84	506.72	Muscovite	0.534	Paragonite	0.466	73.17	0.988	1.06
DAD-0002	DAD002A565	506.72	507.6	Illite	0.886	Gypsum	0.114	186.66	1	0.971
DAD-0002	DAD002A566	507.6	508.5	Illite	1	NULL	NULL	37.09	0.993	0.981
DAD-0002	DAD002A567	508.5	509.4	Muscovite	1	NULL	NULL	25.16	1	0.984
DAD-0002	DAD002A568	509.4	510.3	Illite	1	NULL	NULL	165.69	0.996	0.985
DAD-0002	DAD002A569	510.3	511.2	Illite	1	NULL	NULL	165.69	0.996	0.985
DAD-0002	DAD002A570	511.2	512.1	Illite	1	NULL	NULL	102.6	0.998	1.02
DAD-0002	DAD002A571	512.1	513	Illite	1	NULL	NULL	118.47	0.998	1
DAD-0002	DAD002A572	513	513.9	Illite	1	NULL	NULL	131.01	0.992	1.03
DAD-0002	DAD002A573	513.9	514.8	Illite	1	NULL	NULL	131.61	1	1.02
DAD-0002	DAD002A574	514.8	515.7	Illite	1	NULL	NULL	131.61	1	1.02
DAD-0002	DAD002A575	515.7	516.6	Illite	0.89	Gypsum	0.11	154.68	1.01	0.951
DAD-0002	DAD002A576	516.6	517.5	Illite	1	NULL	NULL	136.28	1	1.01
DAD-0002	DAD002A577	517.5	518.4	Illite	1	NULL	NULL	85	1	1.02
DAD-0002	DAD002A578	518.4	519.32	Muscovite	0.88	Gypsum	0.12	201.75	1.01	0.945
DAD-0002	DAD002A579	519.32	520.23	Illite	1	NULL	NULL	72.75	1	1.06
DAD-0002	DAD002A580	520.23	521.15	Illite	1	NULL	NULL	91.39	1.01	1.02
DAD-0002	DAD002A581	521.15	522.07	Illite	1	NULL	NULL	44.61	0.995	1.02
DAD-0002	DAD002A582	522.07	522.98	Illite	0.915	Gypsum	0.0847	91.57	1	0.959
DAD-0002	DAD002A583	522.98	523.9	Illite	1	NULL	NULL	81.45	1	1.02
DAD-0002	DAD002A584	523.9	524.83	Illite	1	NULL	NULL	86.46	1.01	0.998
DAD-0002	DAD002A585	524.83	525.77	Illite	1	NULL	NULL	75.6	1	1.04
DAD-0002	DAD002A586	525.77	526.7	Illite	1	NULL	NULL	50.16	0.995	1.02

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A587	526.7	527.6	Illite	1	NULL	NULL	75.52	0.995	0.992
DAD-0002	DAD002A588	527.6	528.5	Illite	0.89	Gypsum	0.11	148.71	1.01	0.976
DAD-0002	DAD002A589	528.5	529.4	Illite	0.638	Muscovite	0.362	18.59	1.01	1.08
DAD-0002	DAD002A590	529.4	530.3	Illite	1	NULL	NULL	35.35	1	1.05
DAD-0002	DAD002A591	530.3	531.2	Illite	1	NULL	NULL	98.89	0.996	1.02
DAD-0002	DAD002A592	531.2	532.1	Illite	1	NULL	NULL	18.72	1	1.05
DAD-0002	DAD002A593	532.1	533	Illite	0.901	Gypsum	0.0989	112.68	0.999	0.992
DAD-0002	DAD002A594	533	533.9	Illite	1	NULL	NULL	46.13	0.981	1.03
DAD-0002	DAD002A595	533.9	534.8	Illite	1	NULL	NULL	33.94	1	1.03
DAD-0002	DAD002A596	534.8	535.65	Illite	0.697	Paragonite	0.303	28.64	0.971	1.05
DAD-0002	DAD002A597	535.65	536.5	Illite	1	NULL	NULL	56.26	1.01	1.07
DAD-0002	DAD002A598	536.5	537.35	Illite	1	NULL	NULL	60.55	1	1.04
DAD-0002	DAD002A599	537.35	538.2	Illite	1	NULL	NULL	73.88	0.981	1.07
DAD-0002	DAD002A600	538.2	539.05	Illite	1	NULL	NULL	70.74	0.998	1.01
DAD-0002	DAD002A601	539.05	539.9	Illite	1	NULL	NULL	132.43	1	0.996
DAD-0002	DAD002A602	539.9	540.77	Illite	1	NULL	NULL	71.19	0.973	1.05
DAD-0002	DAD002A603	540.77	541.64	Illite	1	NULL	NULL	59.74	1.01	1
DAD-0002	DAD002A604	541.64	542.51	Illite	1	NULL	NULL	50.23	1.01	1
DAD-0002	DAD002A605	542.51	543.39	Paragonite	1	NULL	NULL	48.91	1	0.976
DAD-0002	DAD002A606	543.39	544.26	Illite	1	NULL	NULL	81.14	0.993	1.06
DAD-0002	DAD002A607	544.26	545.13	Illite	1	NULL	NULL	26.9	0.998	1.01
DAD-0002	DAD002A608	545.13	546	Illite	1	NULL	NULL	44.74	0.994	1.04
DAD-0002	DAD002A609	546	546.87	Illite	1	NULL	NULL	27.42	0.993	1.02
DAD-0002	DAD002A610	546.87	547.73	Illite	1	NULL	NULL	15.81	0.977	1.02
DAD-0002	DAD002A611	547.73	548.6	Illite	1	NULL	NULL	27.32	0.994	1.05
DAD-0002	DAD002A612	548.6	549.47	Illite	1	NULL	NULL	31.92	1.01	1.07
DAD-0002	DAD002A613	549.47	550.33	Illite	1	NULL	NULL	79.9	1	0.979
DAD-0002	DAD002A614	550.33	551.2	Muscovite	0.761	Epidote	0.239	151.41	1.02	0.894
DAD-0002	DAD002A615	551.2	553.7	Muscovite	1	NULL	NULL	84.1	1.01	0.956
DAD-0002	DAD002A616	553.7	554.4	Illite	1	NULL	NULL	68.8	1.01	1.03
DAD-0002	DAD002A617	554.4	555.27	Illite	1	NULL	NULL	78.91	0.995	0.877
DAD-0002	DAD002A618	555.27	556.13	Illite	1	NULL	NULL	58.42	1	1.03
DAD-0002	DAD002A619	556.13	557	Illite	0.875	Brochantite	0.125	41.93	0.993	0.958
DAD-0002	DAD002A620	557	557.9	Illite	1	NULL	NULL	52.03	1.01	0.993
DAD-0002	DAD002A621	557.9	558.8	Illite	0.626	Phengite	0.374	46.35	1.01	0.958
DAD-0002	DAD002A622	558.8	559.7	Illite	1	NULL	NULL	153.98	1.01	0.965
DAD-0002	DAD002A623	559.7	560.6	Illite	0.548	Muscovite	0.452	29.74	1	1.07
DAD-0002	DAD002A624	560.6	561.51	Illite	1	NULL	NULL	57.11	0.998	0.996
DAD-0002	DAD002A625	561.51	562.42	Illite	1	NULL	NULL	16.53	0.977	1.1
DAD-0002	DAD002A626	562.42	563.33	Illite	1	NULL	NULL	78.26	0.99	1.05
DAD-0002	DAD002A627	563.33	564.24	Illite	1	NULL	NULL	18.56	0.975	1.13
DAD-0002	DAD002A628	564.24	565.15	Illite	1	NULL	NULL	50.97	0.985	1.11
DAD-0002	DAD002A629	565.15	566.07	Illite	0.678	Paragonite	0.322	41.84	0.973	1.15
DAD-0002	DAD002A630	566.07	567	Illite	0.663	Paragonite	0.337	25.27	0.942	1.19
DAD-0002	DAD002A631	567	567.92	Illite	0.697	Paragonite	0.303	26.88	0.947	1.19
DAD-0002	DAD002A632	567.92	568.85	Illite	0.625	Paragonite	0.375	53.36	0.978	1.09
DAD-0002	DAD002A633	568.85	569.72	Illite	0.676	Paragonite	0.324	35.1	0.954	1.19
DAD-0002	DAD002A634	569.72	570.59	Illite	0.69	Paragonite	0.31	35.06	0.979	1.17
DAD-0002	DAD002A635	570.59	571.46	Illite	0.641	Paragonite	0.359	22.94	0.934	1.22
DAD-0002	DAD002A636	571.46	572.33	Illite	0.605	Paragonite	0.395	41.1	0.969	1.18
DAD-0002	DAD002A637	572.33	573.2	Illite	0.644	Paragonite	0.356	37.02	0.958	1.22
DAD-0002	DAD002A638	573.2	574.1	Illite	0.628	Paragonite	0.372	67.3	0.974	1.12
DAD-0002	DAD002A639	574.1	575	Illite	0.673	Paragonite	0.327	34.11	0.968	1.13
DAD-0002	DAD002A640	575	575.86	Illite	0.638	Paragonite	0.362	46.68	0.984	1.11
DAD-0002	DAD002A641	575.86	576.71	Illite	0.751	Paragonite	0.249	25.59	0.947	1.16
DAD-0002	DAD002A642	576.71	577.57	Illite	1	NULL	NULL	58.05	0.998	1.09
DAD-0002	DAD002A643	577.57	578.43	Illite	0.898	Gypsum	0.102	81.18	0.998	0.983
DAD-0002	DAD002A644	578.43	579.29	Illite	1	NULL	NULL	54.28	0.983	1.04

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A645	579.29	580.14	Illite	1	NULL	NULL	42.3	0.993	1.11
DAD-0002	DAD002A646	580.14	581	Illite	1	NULL	NULL	16.37	0.971	1.11
DAD-0002	DAD002A647	581	581.86	Illite	1	NULL	NULL	13.94	0.94	1.14
DAD-0002	DAD002A648	581.86	582.71	Illite	1	NULL	NULL	29.65	0.984	1.14
DAD-0002	DAD002A649	582.71	583.57	Illite	1	NULL	NULL	51.11	0.992	1.11
DAD-0002	DAD002A650	583.57	584.43	Illite	1	NULL	NULL	31.47	0.993	1.1
DAD-0002	DAD002A651	584.43	585.29	Illite	1	NULL	NULL	14.21	0.957	1.12
DAD-0002	DAD002A652	585.29	586.14	Illite	1	NULL	NULL	29.83	0.989	1.08
DAD-0002	DAD002A653	586.14	587	Illite	1	NULL	NULL	26.86	0.99	1.08
DAD-0002	DAD002A654	587	587.97	Illite	1	NULL	NULL	24.57	0.99	1.05
DAD-0002	DAD002A655	587.97	588.93	Illite	0.913	Gypsum	0.0865	97.51	1.01	0.981
DAD-0002	DAD002A656	588.93	589.9	Paragonite	0.5	Muscovite	0.5	61.7	0.98	1.13
DAD-0002	DAD002A657	589.9	590.78	Illite	0.602	Paragonite	0.398	40.44	0.958	1.15
DAD-0002	DAD002A658	590.78	591.66	Illite	0.605	Paragonite	0.395	24.78	0.951	1.15
DAD-0002	DAD002A659	591.66	592.54	Illite	0.596	Paragonite	0.404	30.25	0.961	1.08
DAD-0002	DAD002A660	592.54	593.42	Illite	0.561	Paragonite	0.439	21.39	0.919	1.12
DAD-0002	DAD002A661	593.42	594.3	Illite	0.552	Paragonite	0.448	23.68	0.927	1.12
DAD-0002	DAD002A662	594.3	595.23	Illite	0.619	Paragonite	0.381	22.13	0.931	1.1
DAD-0002	DAD002A663	595.23	596.17	Illite	0.7	Paragonite	0.3	17.84	0.924	1.02
DAD-0002	DAD002A664	596.17	597.1	Illite	0.812	Paragonite	0.188	11.7	0.95	1.04
DAD-0002	DAD002A665	597.1	598.05	Illite	1	NULL	NULL	26.52	0.971	0.96
DAD-0002	DAD002A666	598.05	599	Illite	1	NULL	NULL	19.59	0.989	0.948
DAD-0002	DAD002A667	599	599.91	Illite	1	NULL	NULL	19.7	0.973	0.992
DAD-0002	DAD002A668	599.91	600.81	Illite	1	NULL	NULL	15.7	0.985	0.954
DAD-0002	DAD002A669	600.81	601.72	Illite	1	NULL	NULL	22.16	0.976	0.94
DAD-0002	DAD002A670	601.72	602.63	Illite	1	NULL	NULL	30.85	0.985	0.952
DAD-0002	DAD002A671	602.63	603.54	Illite	0.779	Paragonite	0.221	25.7	0.978	0.917
DAD-0002	DAD002A672	603.54	604.44	Illite	0.753	Paragonite	0.247	20.02	0.96	0.95
DAD-0002	DAD002A673	604.44	605.35	Illite	0.705	Paragonite	0.295	16.58	0.954	0.996
DAD-0002	DAD002A674	605.35	606.27	Illite	0.766	Paragonite	0.234	18.04	0.951	0.963
DAD-0002	DAD002A675	606.27	607.2	Illite	0.696	Paragonite	0.304	26.89	0.977	0.93
DAD-0002	DAD002A676	607.2	608.12	Illite	0.669	Paragonite	0.331	20.26	0.951	0.99
DAD-0002	DAD002A677	608.12	609.05	Illite	0.55	Paragonite	0.45	19.35	0.923	1.03
DAD-0002	DAD002A678	609.05	609.97	Illite	0.554	Paragonite	0.446	24.89	0.94	0.964
DAD-0002	DAD002A679	609.97	610.9	Illite	0.506	Paragonite	0.494	26.89	0.948	0.963
DAD-0002	DAD002A680	610.9	611.78	Illite	0.542	Paragonite	0.458	32.21	0.96	0.956
DAD-0002	DAD002A681	611.78	612.67	Illite	0.581	Paragonite	0.419	21.99	0.958	0.978
DAD-0002	DAD002A682	612.67	613.55	Illite	0.616	Paragonite	0.384	15.33	0.927	1.03
DAD-0002	DAD002A683	613.55	614.46	Illite	0.553	Paragonite	0.447	19.3	0.933	1.03
DAD-0002	DAD002A684	614.46	615.37	Illite	0.575	Paragonite	0.425	22.75	0.959	0.982
DAD-0002	DAD002A685	615.37	616.29	Illite	0.567	Paragonite	0.433	26.37	0.962	0.984
DAD-0002	DAD002A686	616.29	617.2	Illite	0.616	Paragonite	0.384	21.31	0.949	1.03
DAD-0002	DAD002A687	617.2	618.16	Illite	0.581	Paragonite	0.419	32.7	0.962	0.943
DAD-0002	DAD002A688	618.16	619.12	Illite	0.63	Paragonite	0.37	23.02	0.964	1.01
DAD-0002	DAD002A689	619.12	620.08	Illite	0.647	Paragonite	0.353	36.32	0.976	0.917
DAD-0002	DAD002A690	620.08	621.04	Illite	0.661	Paragonite	0.339	30.61	0.965	0.954
DAD-0002	DAD002A691	621.04	622	Illite	0.608	Paragonite	0.392	30.2	0.968	0.97
DAD-0002	DAD002A692	622	622.87	Illite	0.636	Paragonite	0.364	23.82	0.942	1.02
DAD-0002	DAD002A693	622.87	623.75	Illite	0.604	Paragonite	0.396	34.98	0.961	0.94
DAD-0002	DAD002A694	623.75	624.62	Illite	0.587	Paragonite	0.413	30.75	0.961	0.962
DAD-0002	DAD002A695	624.62	625.5	Illite	0.61	Paragonite	0.39	26.55	0.975	1.01
DAD-0002	DAD002A696	625.5	626.43	Illite	0.625	Paragonite	0.375	30.56	0.962	0.984
DAD-0002	DAD002A697	626.43	627.37	Illite	0.581	Paragonite	0.419	24.99	0.962	1.01
DAD-0002	DAD002A698	627.37	628.3	Illite	0.59	Paragonite	0.41	23.63	0.948	1.06
DAD-0002	DAD002A699	628.3	629.21	Illite	0.699	Paragonite	0.301	25.31	0.96	1.02
DAD-0002	DAD002A700	629.21	630.13	Illite	0.62	Paragonite	0.38	58.81	0.981	0.943
DAD-0002	DAD002A701	630.13	631.04	Illite	0.598	Paragonite	0.402	35.78	0.957	1.02
DAD-0002	DAD002A702	631.04	631.96	Illite	1	NULL	NULL	37.56	0.949	1.14

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A703	631.96	632.87	Illite	0.662	Paragonite	0.338	27.21	0.952	1.09
DAD-0002	DAD002A704	632.87	633.79	Illite	1	NULL	NULL	71.85	0.978	1.03
DAD-0002	DAD002A705	633.79	634.7	Illite	0.646	Paragonite	0.354	33.56	0.973	1.03
DAD-0002	DAD002A706	634.7	635.61	Illite	0.678	Paragonite	0.322	37.5	0.964	1.08
DAD-0002	DAD002A707	635.61	636.53	Illite	0.688	Paragonite	0.312	40.64	0.986	1.02
DAD-0002	DAD002A708	636.53	637.44	Illite	0.712	Paragonite	0.288	39.75	0.978	1.06
DAD-0002	DAD002A709	637.44	638.36	Illite	0.633	Paragonite	0.367	20.49	0.858	1.22
DAD-0002	DAD002A710	638.36	639.27	Illite	0.561	Paragonite	0.439	77.37	0.981	1.07
DAD-0002	DAD002A711	639.27	640.19	Illite	0.556	Paragonite	0.444	23.33	0.93	1.08
DAD-0002	DAD002A712	640.19	641.1	Illite	0.555	Paragonite	0.445	45.67	0.964	1.03
DAD-0002	DAD002A713	641.1	641.99	Illite	0.686	Paragonite	0.314	40.8	0.961	1.11
DAD-0002	DAD002A714	641.99	642.87	Illite	0.562	Paragonite	0.438	75.07	0.981	0.999
DAD-0002	DAD002A715	642.87	643.76	Illite	0.639	Paragonite	0.361	12.6	0.931	1.07
DAD-0002	DAD002A716	643.76	644.64	Illite	0.545	Paragonite	0.455	34.81	0.953	1.07
DAD-0002	DAD002A717	644.64	645.53	Illite	0.534	Paragonite	0.466	40.59	0.956	1
DAD-0002	DAD002A718	645.53	646.41	Illite	0.5	Paragonite	0.5	66.18	0.978	1.02
DAD-0002	DAD002A719	646.41	647.3	Illite	0.587	Paragonite	0.413	31.19	0.966	1.02
DAD-0002	DAD002A720	647.3	648.23	Illite	0.659	Paragonite	0.341	50.57	0.974	1.03
DAD-0002	DAD002A721	648.23	649.16	Illite	1	NULL	NULL	54.47	0.989	1.07
DAD-0002	DAD002A722	649.16	650.09	Illite	0.726	Paragonite	0.274	25.42	0.967	0.985
DAD-0002	DAD002A723	650.09	651.01	Illite	0.66	Paragonite	0.34	39.59	0.971	1.07
DAD-0002	DAD002A724	651.01	651.94	Illite	1	NULL	NULL	85.36	0.994	1.03
DAD-0002	DAD002A725	651.94	652.87	Illite	0.639	Paragonite	0.361	34.71	0.96	1.13
DAD-0002	DAD002A726	652.87	653.8	Illite	1	NULL	NULL	52.14	0.995	1.02
DAD-0002	DAD002A727	653.8	654.73	Illite	0.593	Paragonite	0.407	25.76	0.941	1.17
DAD-0002	DAD002A728	654.73	655.66	Illite	1	NULL	NULL	57.19	0.999	1.01
DAD-0002	DAD002A729	655.66	656.59	Illite	1	NULL	NULL	85.03	1	1.02
DAD-0002	DAD002A730	656.59	657.51	Illite	0.525	Paragonite	0.475	67.74	0.975	1.05
DAD-0002	DAD002A731	657.51	658.44	Illite	0.616	Paragonite	0.384	47.96	0.965	1.05
DAD-0002	DAD002A732	658.44	659.37	Illite	0.633	Paragonite	0.367	50.91	0.983	1.12
DAD-0002	DAD002A733	659.37	660.3	Illite	0.558	Paragonite	0.442	52.48	0.972	1.08
DAD-0002	DAD002A734	660.3	661.23	Illite	0.603	Paragonite	0.397	60.2	0.985	1.11
DAD-0002	DAD002A735	661.23	662.16	Paragonite	0.529	Muscovite	0.471	42.15	0.972	1.07
DAD-0002	DAD002A736	662.16	663.09	Illite	0.582	Paragonite	0.418	62.4	0.982	1.09
DAD-0002	DAD002A737	663.09	664.01	Illite	0.56	Paragonite	0.44	45.51	0.964	1.06
DAD-0002	DAD002A738	664.01	664.94	Paragonite	0.515	Illite	0.485	57.34	0.964	1.16
DAD-0002	DAD002A739	664.94	665.87	Paragonite	0.603	Muscovite	0.397	70.76	0.975	1.13
DAD-0002	DAD002A740	665.87	666.8	Paragonite	1	NULL	NULL	137.49	0.998	1.06
DAD-0002	DAD002A741	666.8	667.71	Paragonite	0.524	Illite	0.476	26.18	0.934	1.21
DAD-0002	DAD002A742	667.71	668.61	Paragonite	0.551	Muscovite	0.449	45.96	0.999	1.04
DAD-0002	DAD002A743	668.61	669.52	Illite	0.605	Paragonite	0.395	62.09	0.975	1.14
DAD-0002	DAD002A744	669.52	670.43	Illite	1	NULL	NULL	97.82	0.995	1.05
DAD-0002	DAD002A745	670.43	671.34	Paragonite	0.642	Muscovite	0.358	72.15	0.969	1.08
DAD-0002	DAD002A746	671.34	672.24	Illite	1	NULL	NULL	69.85	0.996	1.09
DAD-0002	DAD002A747	672.24	673.15	Paragonite	0.507	Muscovite	0.493	75.65	0.987	1.07
DAD-0002	DAD002A748	673.15	674.07	Paragonite	0.54	Muscovite	0.46	51.96	0.969	1.15
DAD-0002	DAD002A749	674.07	674.99	Paragonite	0.525	Muscovite	0.475	42.39	0.976	1.11
DAD-0002	DAD002A750	674.99	675.91	Paragonite	1	NULL	NULL	90.14	1	1.02
DAD-0002	DAD002A751	675.91	676.84	Paragonite	0.551	Muscovite	0.449	83.95	0.981	1.09
DAD-0002	DAD002A752	676.84	677.76	Paragonite	0.546	Illite	0.454	35.36	0.92	1.22
DAD-0002	DAD002A753	677.76	678.68	Paragonite	1	NULL	NULL	85.52	0.96	1.18
DAD-0002	DAD002A754	678.68	679.6	Paragonite	0.587	Illite	0.413	40.31	0.952	1.2
DAD-0002	DAD002A755	679.6	680.49	Paragonite	0.54	Illite	0.46	31.62	0.94	1.15
DAD-0002	DAD002A756	680.49	681.39	Paragonite	0.586	Illite	0.414	36.85	0.935	1.15
DAD-0002	DAD002A757	681.39	682.28	Paragonite	0.62	Illite	0.38	43.95	0.936	1.13
DAD-0002	DAD002A758	682.28	683.17	Paragonite	1	NULL	NULL	85.04	0.968	1.16
DAD-0002	DAD002A759	683.17	684.06	Paragonite	0.631	Illite	0.369	54.48	0.947	1.17
DAD-0002	DAD002A760	684.06	684.96	Paragonite	1	NULL	NULL	72.37	0.942	1.13

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A761	684.96	685.85	Paragonite	0.546	Illite	0.454	26.26	0.907	1.24
DAD-0002	DAD002A762	685.85	686.76	Paragonite	1	NULL	NULL	99.96	0.969	1.09
DAD-0002	DAD002A763	686.76	687.66	Paragonite	0.582	Illite	0.418	43.19	0.958	1.1
DAD-0002	DAD002A764	687.66	688.57	Paragonite	0.59	Illite	0.41	52.21	0.948	1.16
DAD-0002	DAD002A765	688.57	689.48	Paragonite	0.612	Muscovite	0.388	61.19	0.983	1.07
DAD-0002	DAD002A766	689.48	690.39	Paragonite	0.565	Illite	0.435	30.97	0.935	1.13
DAD-0002	DAD002A767	690.39	691.29	Paragonite	0.595	Illite	0.405	28.61	0.938	1.15
DAD-0002	DAD002A768	691.29	692.2	Paragonite	0.631	Illite	0.369	45.26	0.953	1.14
DAD-0002	DAD002A769	692.2	693.13	Paragonite	0.582	Illite	0.418	42.14	0.945	1.09
DAD-0002	DAD002A770	693.13	694.07	Paragonite	0.588	Illite	0.412	61.34	0.966	1.11
DAD-0002	DAD002A771	694.07	695	Paragonite	0.63	Illite	0.37	38.37	0.937	1.15
DAD-0002	DAD002A772	695	695.92	Paragonite	0.631	Illite	0.369	29.33	0.93	1.17
DAD-0002	DAD002A773	695.92	696.85	Paragonite	0.586	Illite	0.414	47.76	0.936	1.19
DAD-0002	DAD002A774	696.85	697.77	Paragonite	1	NULL	NULL	90.11	0.967	1.11
DAD-0002	DAD002A775	697.77	698.7	Paragonite	0.603	Illite	0.397	23.9	0.906	1.2
DAD-0002	DAD002A776	698.7	699.64	Paragonite	0.564	Illite	0.436	35.84	0.948	1.17
DAD-0002	DAD002A777	699.64	700.57	Paragonite	0.564	Illite	0.436	45.87	0.941	1.18
DAD-0002	DAD002A778	700.57	701.51	Paragonite	0.586	Illite	0.414	60.06	0.977	1.1
DAD-0002	DAD002A779	701.51	702.44	Paragonite	0.575	Illite	0.425	49.54	0.955	1.12
DAD-0002	DAD002A780	702.44	703.38	Paragonite	0.575	Illite	0.425	49.54	0.955	1.12
DAD-0002	DAD002A781	703.38	704.31	Paragonite	0.553	Illite	0.447	58.55	0.957	1.14
DAD-0002	DAD002A782	704.31	705.25	Illite	0.513	Paragonite	0.487	72.25	0.983	1.03
DAD-0002	DAD002A783	705.25	706.19	Illite	0.554	Paragonite	0.446	39.9	0.958	1.17
DAD-0002	DAD002A784	706.19	707.14	Illite	0.536	Paragonite	0.464	59.77	0.988	1.06
DAD-0002	DAD002A785	707.14	708.08	Illite	0.542	Paragonite	0.458	22.79	0.926	1.09
DAD-0002	DAD002A786	708.08	709.02	Illite	0.641	Paragonite	0.359	31.45	0.943	1.08
DAD-0002	DAD002A787	709.02	709.96	Illite	0.684	Paragonite	0.316	29.52	0.943	1.03
DAD-0002	DAD002A788	709.96	710.91	Illite	0.577	Paragonite	0.423	30.77	0.945	1.1
DAD-0002	DAD002A789	710.91	711.85	Illite	1	NULL	NULL	38.47	0.969	0.955
DAD-0002	DAD002A790	711.85	712.77	Illite	0.77	Paragonite	0.23	19.22	0.892	0.978
DAD-0002	DAD002A791	712.77	713.69	Illite	1	NULL	NULL	37.34	0.986	0.849
DAD-0002	DAD002A792	713.69	714.61	Illite	1	NULL	NULL	56.89	0.983	0.922
DAD-0002	DAD002A793	714.61	715.54	Illite	0.661	Paragonite	0.339	36.53	0.966	0.951
DAD-0002	DAD002A794	715.54	716.46	Illite	0.702	Paragonite	0.298	35.28	0.965	0.943
DAD-0002	DAD002A795	716.46	717.38	Illite	1	NULL	NULL	65.89	0.984	0.914
DAD-0002	DAD002A796	717.38	718.3	Illite	0.646	Paragonite	0.354	59.13	0.985	0.927
DAD-0002	DAD002A797	718.3	719.21	Illite	0.679	Paragonite	0.321	39.86	0.966	0.997
DAD-0002	DAD002A798	719.21	720.13	Illite	1	NULL	NULL	81.79	0.994	0.974
DAD-0002	DAD002A799	720.13	721.04	Illite	1	NULL	NULL	117.85	1	0.987
DAD-0002	DAD002A800	721.04	721.96	Illite	0.678	Paragonite	0.322	51.47	0.99	0.967
DAD-0002	DAD002A801	721.96	722.87	Illite	0.693	Paragonite	0.307	37.98	0.96	0.945
DAD-0002	DAD002A802	722.87	723.79	Illite	0.715	Paragonite	0.285	34.03	0.945	1.01
DAD-0002	DAD002A803	723.79	724.7	Illite	1	NULL	NULL	76.66	0.989	0.972
DAD-0002	DAD002A804	724.7	725.61	Illite	1	NULL	NULL	103.78	1.01	0.99
DAD-0002	DAD002A805	725.61	726.53	Illite	0.639	Paragonite	0.361	59.24	0.977	1.06
DAD-0002	DAD002A806	726.53	727.44	Illite	0.643	Paragonite	0.357	39.1	0.975	0.953
DAD-0002	DAD002A807	727.44	728.36	Illite	0.686	Paragonite	0.314	37.19	0.988	1.01
DAD-0002	DAD002A808	728.36	729.27	Illite	0.661	Paragonite	0.339	60.28	0.978	1
DAD-0002	DAD002A809	729.27	730.19	Illite	1	NULL	NULL	31.15	0.968	0.932
DAD-0002	DAD002A810	730.19	731.1	Illite	1	NULL	NULL	32.26	0.987	0.921
DAD-0002	DAD002A811	731.1	732.02	Illite	0.677	Paragonite	0.323	43.34	0.96	0.964
DAD-0002	DAD002A812	732.02	732.94	Illite	1	NULL	NULL	60.04	1.01	0.996
DAD-0002	DAD002A813	732.94	733.86	Illite	1	NULL	NULL	57.16	0.999	0.933
DAD-0002	DAD002A814	733.86	734.79	Illite	1	NULL	NULL	59.45	0.988	0.965
DAD-0002	DAD002A815	734.79	735.71	Illite	1	NULL	NULL	31.15	0.985	0.99
DAD-0002	DAD002A816	735.71	736.63	Illite	1	NULL	NULL	36.04	0.979	0.984
DAD-0002	DAD002A817	736.63	737.55	Illite	1	NULL	NULL	42.84	1	0.992
DAD-0002	DAD002A818	737.55	738.46	Illite	1	NULL	NULL	35.39	0.984	1.01

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A819	738.46	739.38	Illite	1	NULL	NULL	61.49	1	1.01
DAD-0002	DAD002A820	739.38	740.29	Illite	1	NULL	NULL	71.99	0.988	1.03
DAD-0002	DAD002A821	740.29	741.21	Illite	1	NULL	NULL	54.29	0.993	1.02
DAD-0002	DAD002A822	741.21	742.12	Illite	1	NULL	NULL	36.15	0.994	1.03
DAD-0002	DAD002A823	742.12	743.04	Illite	0.709	Paragonite	0.291	19.79	0.938	1.08
DAD-0002	DAD002A824	743.04	743.95	Illite	0.624	Paragonite	0.376	33.39	0.968	1.01
DAD-0002	DAD002A825	743.95	744.85	Illite	0.55	Paragonite	0.45	44.03	0.968	1.08
DAD-0002	DAD002A826	744.85	745.75	Illite	0.646	Paragonite	0.354	43.62	0.973	1.09
DAD-0002	DAD002A827	745.75	746.65	Illite	0.596	Paragonite	0.404	48.3	0.974	1.12
DAD-0002	DAD002A828	746.65	747.55	Illite	0.62	Paragonite	0.38	37.13	0.955	1.07
DAD-0002	DAD002A829	747.55	748.45	Paragonite	0.536	Illite	0.464	63.71	0.971	1.09
DAD-0002	DAD002A830	748.45	749.35	Paragonite	0.576	Illite	0.424	47.75	0.949	1.14
DAD-0002	DAD002A831	749.35	750.25	Paragonite	0.61	Illite	0.39	46.16	0.951	1.15
DAD-0002	DAD002A832	750.25	751.19	Paragonite	1	NULL	NULL	97.87	0.974	1.09
DAD-0002	DAD002A833	751.19	752.12	Paragonite	1	NULL	NULL	93.32	0.979	1.1
DAD-0002	DAD002A834	752.12	753.06	Paragonite	0.648	Muscovite	0.352	66.64	0.977	1.1
DAD-0002	DAD002A835	753.06	753.99	Paragonite	1	NULL	NULL	65.89	0.942	1.09
DAD-0002	DAD002A836	753.99	754.93	Paragonite	0.601	Illite	0.399	38.47	0.938	1.13
DAD-0002	DAD002A837	754.93	755.86	Paragonite	0.594	Illite	0.406	25.63	0.925	1.12
DAD-0002	DAD002A838	755.86	756.8	Paragonite	0.51	Illite	0.49	47.19	0.971	1.14
DAD-0002	DAD002A839	756.8	757.7	Paragonite	0.629	Muscovite	0.371	68.85	0.986	1.08
DAD-0002	DAD002A840	757.7	758.6	Paragonite	0.553	Illite	0.447	27.97	0.925	1.19
DAD-0002	DAD002A841	758.6	759.5	Paragonite	0.586	Illite	0.414	36	0.947	1.12
DAD-0002	DAD002A842	759.5	760.4	Illite	0.689	Dickite	0.311	52.09	0.862	1.23
DAD-0002	DAD002A843	760.4	761.3	Paragonite	0.547	Illite	0.453	34.12	0.921	1.18
DAD-0002	DAD002A844	761.3	762.2	Paragonite	0.661	Dickite	0.339	51.7	0.86	1.24
DAD-0002	DAD002A845	762.2	763.1	Dickite	0.558	Illite	0.442	75.9	0.789	1.31
DAD-0002	DAD002A846	763.1	764.01	Dickite	0.558	Illite	0.442	75.9	0.789	1.31
DAD-0002	DAD002A847	764.01	764.91	Illite	0.669	Nacrite	0.331	73.59	0.929	1.15
DAD-0002	DAD002A848	764.91	765.82	Paragonite	0.512	Illite	0.488	28.55	0.932	1.22
DAD-0002	DAD002A849	765.82	766.73	Paragonite	0.646	Dickite	0.354	61.55	0.883	1.21
DAD-0002	DAD002A850	766.73	767.64	Dickite	0.558	Illite	0.442	74.12	0.795	1.32
DAD-0002	DAD002A851	767.64	768.54	Dickite	0.582	Illite	0.418	97.08	0.807	1.32
DAD-0002	DAD002A852	768.54	769.45	Dickite	0.562	Illite	0.438	80.53	0.774	1.35
DAD-0002	DAD002A853	769.45	770.39	Dickite	0.582	Illite	0.418	89.51	0.78	1.31
DAD-0002	DAD002A854	770.39	771.32	Dickite	0.54	Paragonite	0.46	67.24	0.8	1.28
DAD-0002	DAD002A855	771.32	772.26	Illite	0.522	Dickite	0.478	81.38	0.834	1.25
DAD-0002	DAD002A856	772.26	773.19	Illite	0.694	Paragonite	0.306	40.07	0.929	1.21
DAD-0002	DAD002A857	773.19	774.13	Illite	0.551	Dickite	0.449	87.5	0.878	1.18
DAD-0002	DAD002A858	774.13	775.06	Dickite	0.621	Illite	0.379	91.68	0.811	1.27
DAD-0002	DAD002A859	775.06	776	Dickite	0.55	Illite	0.45	80.85	0.816	1.3
DAD-0002	DAD002A860	776	776.91	Dickite	0.544	Paragonite	0.456	88.37	0.814	1.29
DAD-0002	DAD002A861	776.91	777.81	Dickite	0.643	Paragonite	0.357	88.52	0.789	1.32
DAD-0002	DAD002A862	777.81	778.72	Dickite	0.568	Paragonite	0.432	77.39	0.777	1.37
DAD-0002	DAD002A863	778.72	779.63	Dickite	0.656	Illite	0.344	92.17	0.779	1.37
DAD-0002	DAD002A864	779.63	780.54	Dickite	1	NULL	NULL	130.05	0.755	1.38
DAD-0002	DAD002A865	780.54	781.44	Dickite	0.691	Illite	0.309	103.6	0.821	1.24
DAD-0002	DAD002A866	781.44	782.35	Nacrite	0.683	Illite	0.317	80.95	0.945	1.08
DAD-0002	DAD002A867	782.35	783.29	Dickite	0.572	Illite	0.428	70.82	0.804	1.31
DAD-0002	DAD002A868	783.29	784.24	Halloysite	0.527	Dickite	0.473	86.22	0.966	1.18
DAD-0002	DAD002A869	784.24	785.18	Dickite	0.603	Illite	0.397	63.08	0.866	1.18
DAD-0002	DAD002A870	785.18	786.12	Illite	0.564	Dickite	0.436	51	0.879	1.17
DAD-0002	DAD002A871	786.12	787.06	Illite	0.67	Dickite	0.33	46.98	0.894	1.15
DAD-0002	DAD002A872	787.06	788.01	Illite	0.592	Dickite	0.408	40.88	0.854	1.21
DAD-0002	DAD002A873	788.01	788.95	Illite	0.693	Paragonite	0.307	19.14	0.946	1.14
DAD-0002	DAD002A874	788.95	789.9	Muscovite	0.569	Paragonite	0.431	35.4	0.972	1.11
DAD-0002	DAD002A875	789.9	790.85	Illite	1	NULL	NULL	40.94	0.98	1.1
DAD-0002	DAD002A876	790.85	791.7	Illite	0.805	Dickite	0.195	29.3	0.882	1.2

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0002	DAD002A877	791.7	792.65	Illite	0.541	Dickite	0.459	50.7	0.856	1.23
DAD-0002	DAD002A878	792.65	793.7	Dickite	0.739	Illite	0.261	74.87	0.746	1.38
DAD-0002	DAD002A879	793.7	794	Dickite	0.581	Illite	0.419	60.11	0.83	1.27
DAD-0003	DAD003A001	0.01	1.06	Illite	1	NULL	NULL	83.95	1	1.04
DAD-0003	DAD003A002	1.06	2.11	Muscovite	0.547	Paragonite	0.453	76.62	0.994	1.03
DAD-0003	DAD003A003	2.11	3.16	Illite	0.836	Paragonite	0.164	6.78	0.953	1.16
DAD-0003	DAD003A004	3.16	4.2	Illite	1	NULL	NULL	53.34	1	1.07
DAD-0003	DAD003A005	4.2	5.25	Illite	1	NULL	NULL	13.98	0.964	1.16
DAD-0003	DAD003A006	5.25	6.3	Illite	1	NULL	NULL	51.46	0.987	1.06
DAD-0003	DAD003A007	6.3	7.21	Illite	1	NULL	NULL	38.54	0.979	1.14
DAD-0003	DAD003A008	7.21	8.11	Muscovite	0.516	Kaolinite	0.484	142.45	1.02	0.994
DAD-0003	DAD003A009	8.11	9.02	Illite	0.521	Kaolinite	0.479	127.41	0.988	0.971
DAD-0003	DAD003A010	9.02	9.93	Phengite	0.625	Montmorillonite	0.375	134.67	1.01	0.912
DAD-0003	DAD003A011	9.93	10.84	Phengite	0.515	Halloysite	0.485	129.3	1.05	1.06
DAD-0003	DAD003A012	10.84	11.74	Phengite	0.583	Halloysite	0.417	126.33	1.07	0.946
DAD-0003	DAD003A013	11.74	12.65	Rhodocrosite	0.56	Illite	0.44	252.81	1.05	0.968
DAD-0003	DAD003A014	12.65	14.22	Rhodocrosite	0.543	Montmorillonite	0.457	290.48	1.02	0.965
DAD-0003	DAD003A015	14.22	15.79	Rhodocrosite	0.571	Illite	0.429	265.59	1.03	0.96
DAD-0003	DAD003A016	15.79	17.36	Ankerite	0.546	Montmorillonite	0.454	286.71	1.03	0.958
DAD-0003	DAD003A017	17.36	18.94	Phengite	0.559	Ankerite	0.441	173.4	1.01	0.967
DAD-0003	DAD003A018	18.94	20.51	Illite	0.636	MgChlorite	0.364	69.54	0.971	0.984
DAD-0003	DAD003A019	20.51	22.08	Muscovite	1	NULL	NULL	88.22	0.993	0.984
DAD-0003	DAD003A020	22.08	23.65	Illite	1	NULL	NULL	32.78	0.983	1.12
DAD-0003	DAD003A021	23.65	24.56	Illite	0.775	MgChlorite	0.225	56.28	0.978	1.12
DAD-0003	DAD003A022	24.56	25.46	Illite	1	NULL	NULL	84.37	0.998	1.05
DAD-0003	DAD003A023	25.46	26.37	Illite	0.786	Paragonite	0.214	17.67	0.949	1.11
DAD-0003	DAD003A024	26.37	27.28	Illite	0.708	Paragonite	0.292	22.92	0.957	1.1
DAD-0003	DAD003A025	27.28	28.19	Illite	0.627	Paragonite	0.373	19.99	0.907	1.16
DAD-0003	DAD003A026	28.19	29.09	Illite	1	NULL	NULL	46.17	0.98	1.12
DAD-0003	DAD003A027	29.09	30	Illite	1	NULL	NULL	74.68	1.01	1
DAD-0003	DAD003A028	30	30.86	Illite	1	NULL	NULL	153.2	0.997	0.976
DAD-0003	DAD003A029	30.86	31.71	Illite	1	NULL	NULL	74.86	1.01	1.02
DAD-0003	DAD003A030	31.71	32.57	Illite	1	NULL	NULL	99.18	0.996	1.01
DAD-0003	DAD003A031	32.57	33.43	Illite	1	NULL	NULL	117.23	1	0.949
DAD-0003	DAD003A032	33.43	34.29	Paragonite	0.501	Illite	0.499	28.85	0.887	1.3
DAD-0003	DAD003A033	34.29	35.14	Illite	0.703	Paragonite	0.297	28.43	0.946	1.16
DAD-0003	DAD003A034	35.14	36	Paragonite	0.533	Illite	0.467	31.36	0.889	1.21
DAD-0003	DAD003A035	36	36.87	Illite	0.529	Paragonite	0.471	34.59	0.941	1.19
DAD-0003	DAD003A036	36.87	37.74	Paragonite	0.555	Muscovite	0.445	95.59	0.979	1.02
DAD-0003	DAD003A037	37.74	38.61	Illite	0.53	Paragonite	0.47	76.5	0.979	0.986
DAD-0003	DAD003A038	38.61	39.49	Paragonite	0.524	Illite	0.476	36.84	0.933	1.21
DAD-0003	DAD003A039	39.49	40.36	Illite	1	NULL	NULL	76.21	0.989	1.14
DAD-0003	DAD003A040	40.36	41.23	Paragonite	0.599	Muscovite	0.401	81.9	0.96	1.17
DAD-0003	DAD003A041	41.23	42.1	Paragonite	0.523	Illite	0.477	44.11	0.941	1.2
DAD-0003	DAD003A042	42.1	43	Illite	1	NULL	NULL	122.31	0.996	1.08
DAD-0003	DAD003A043	43	43.9	Illite	0.718	Paragonite	0.282	36.56	0.969	1.07
DAD-0003	DAD003A044	43.9	44.8	Paragonite	0.611	Muscovite	0.389	98.48	0.983	1.02
DAD-0003	DAD003A045	44.8	45.7	Paragonite	0.57	Muscovite	0.43	98.66	0.994	1.06
DAD-0003	DAD003A046	45.7	46.6	Paragonite	0.588	Muscovite	0.412	47.75	0.97	1.11
DAD-0003	DAD003A047	46.6	47.5	Paragonite	0.592	Muscovite	0.408	62.55	0.972	1.03
DAD-0003	DAD003A048	47.5	48.4	Paragonite	0.594	Muscovite	0.406	61.58	0.977	1.09
DAD-0003	DAD003A049	48.4	49.3	Illite	1	NULL	NULL	32.07	0.971	1.13
DAD-0003	DAD003A050	49.3	50.2	Illite	1	NULL	NULL	32.46	0.988	1.08
DAD-0003	DAD003A051	50.2	51.1	Illite	0.663	Dickite	0.337	29.01	0.811	1.34
DAD-0003	DAD003A052	51.1	52	Illite	0.574	Nacrite	0.426	66.48	0.906	1.19
DAD-0003	DAD003A053	52	52.9	Illite	0.677	Dickite	0.323	24.53	0.731	1.51
DAD-0003	DAD003A054	52.9	53.8	Dickite	0.636	Illite	0.364	52.57	0.852	1.43
DAD-0003	DAD003A055	53.8	54.7	Dickite	0.565	Illite	0.435	79.84	0.865	1.18

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0003	DAD003A056	54.7	55.56	Dickite	1	NULL	NULL	133.27	0.864	1.14
DAD-0003	DAD003A057	55.56	56.43	Illite	0.81	Nacrite	0.19	26.5	0.884	1.26
DAD-0003	DAD003A058	56.43	57.29	Illite	0.697	Paragonite	0.303	21.47	0.931	1.22
DAD-0003	DAD003A059	57.29	58.16	Illite	0.684	Paragonite	0.316	35.49	0.971	1.23
DAD-0003	DAD003A060	58.16	59.02	Muscovite	0.556	Paragonite	0.444	45.3	0.964	1.2
DAD-0003	DAD003A061	59.02	59.89	Illite	0.703	Paragonite	0.297	32.77	0.971	1.21
DAD-0003	DAD003A062	59.89	60.75	Illite	1	NULL	NULL	98.08	0.994	1.09
DAD-0003	DAD003A063	60.75	61.66	Illite	1	NULL	NULL	56.92	0.998	1.15
DAD-0003	DAD003A064	61.66	62.58	Illite	1	NULL	NULL	63.87	1.01	1.16
DAD-0003	DAD003A065	62.58	63.49	Illite	1	NULL	NULL	104.85	1.01	1.06
DAD-0003	DAD003A066	63.49	64.41	Illite	1	NULL	NULL	71.42	1.01	1.06
DAD-0003	DAD003A067	64.41	65.32	Illite	1	NULL	NULL	50.54	1.01	1.06
DAD-0003	DAD003A068	65.32	66.24	Illite	1	NULL	NULL	131.66	1.01	1.03
DAD-0003	DAD003A069	66.24	67.15	Illite	1	NULL	NULL	98.19	1.01	1.07
DAD-0003	DAD003A070	67.15	68	Illite	1	NULL	NULL	154.51	1.01	0.953
DAD-0003	DAD003A071	68	68.85	Illite	1	NULL	NULL	153.43	1.01	1
DAD-0003	DAD003A072	68.85	69.7	Illite	1	NULL	NULL	23.18	1	0.965
DAD-0003	DAD003A073	69.7	70.55	Muscovite	1	NULL	NULL	15.47	1.01	0.988
DAD-0003	DAD003A074	70.55	71.4	Muscovite	1	NULL	NULL	24.66	1	0.976
DAD-0003	DAD003A075	71.4	72.25	Muscovite	1	NULL	NULL	114.48	1.01	0.997
DAD-0003	DAD003A076	72.25	73.1	Muscovite	1	NULL	NULL	68.67	1.01	0.975
DAD-0003	DAD003A077	73.1	73.94	Illite	1	NULL	NULL	89.06	1.01	1.03
DAD-0003	DAD003A078	73.94	74.79	Illite	1	NULL	NULL	96.28	1	1.05
DAD-0003	DAD003A079	74.79	75.63	Illite	1	NULL	NULL	149.18	1	0.96
DAD-0003	DAD003A080	75.63	76.47	Illite	0.901	Gypsum	0.0988	137.55	1	0.933
DAD-0003	DAD003A081	76.47	77.31	Muscovite	1	NULL	NULL	45.54	0.998	0.976
DAD-0003	DAD003A082	77.31	78.16	Illite	1	NULL	NULL	75.78	0.996	1.03
DAD-0003	DAD003A083	78.16	79	Illite	1	NULL	NULL	113.3	1	1.01
DAD-0003	DAD003A084	79	79.87	Illite	1	NULL	NULL	154.76	1	0.988
DAD-0003	DAD003A085	79.87	80.75	Illite	1	NULL	NULL	74.04	1	0.962
DAD-0003	DAD003A086	80.75	81.62	Muscovite	0.581	Paragonite	0.419	55.44	0.999	1.05
DAD-0003	DAD003A087	81.62	82.5	Illite	1	NULL	NULL	44.31	1.01	0.999
DAD-0003	DAD003A088	82.5	83	Illite	1	NULL	NULL	70.99	0.997	0.989
DAD-0004	DAD004A001	0.01	0.96	Muscovite	1	NULL	NULL	84.65	1.01	1.04
DAD-0004	DAD004A002	0.96	1.91	Illite	1	NULL	NULL	16.76	0.966	1.16
DAD-0004	DAD004A003	1.91	2.86	Illite	1	NULL	NULL	17.92	0.98	1.15
DAD-0004	DAD004A004	2.86	3.8	Illite	1	NULL	NULL	17.53	0.963	1.16
DAD-0004	DAD004A005	3.8	4.75	Illite	1	NULL	NULL	19.58	0.969	1.13
DAD-0004	DAD004A006	4.75	5.7	Illite	0.821	Paragonite	0.179	12.09	0.952	1.15
DAD-0004	DAD004A007	5.7	6.6	Illite	0.762	Paragonite	0.238	16.72	0.95	1.14
DAD-0004	DAD004A008	6.6	7.5	Illite	0.754	Paragonite	0.246	26.52	0.97	1.17
DAD-0004	DAD004A009	7.5	8.4	Illite	1	NULL	NULL	55.35	0.985	1.1
DAD-0004	DAD004A010	8.4	9.3	Illite	1	NULL	NULL	115.52	0.998	1
DAD-0004	DAD004A011	9.3	10.2	Illite	1	NULL	NULL	55.13	1.01	0.986
DAD-0004	DAD004A012	10.2	11.1	Illite	1	NULL	NULL	99.2	0.991	1.04
DAD-0004	DAD004A013	11.1	12	Illite	1	NULL	NULL	74.78	1	1.13
DAD-0004	DAD004A014	12	12.86	Illite	1	NULL	NULL	68.83	1.01	1.1
DAD-0004	DAD004A015	12.86	13.71	Illite	1	NULL	NULL	93.96	0.999	1.09
DAD-0004	DAD004A016	13.71	14.57	Illite	0.643	Paragonite	0.357	26.63	0.937	1.22
DAD-0004	DAD004A017	14.57	15.43	Illite	0.715	Paragonite	0.285	26.53	0.964	1.07
DAD-0004	DAD004A018	15.43	16.29	Illite	0.575	Paragonite	0.425	30.28	0.934	1.25
DAD-0004	DAD004A019	16.29	17.14	Illite	0.596	Paragonite	0.404	45.58	0.97	1.16
DAD-0004	DAD004A020	17.14	18	Illite	1	NULL	NULL	119.77	0.995	1.22
DAD-0004	DAD004A021	18	18.86	Illite	0.574	Paragonite	0.426	76.53	0.981	1.09
DAD-0004	DAD004A022	18.86	19.71	Illite	0.574	Paragonite	0.426	76.53	0.981	1.09
DAD-0004	DAD004A023	19.71	20.57	Paragonite	0.532	Muscovite	0.468	76.76	0.986	1.09
DAD-0004	DAD004A024	20.57	21.43	Illite	0.536	Paragonite	0.464	96.2	0.993	1.09
DAD-0004	DAD004A025	21.43	22.29	Illite	1	NULL	NULL	219.51	1.03	1.12

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0004	DAD004A026	22.29	23.14	Muscovite	0.522	Paragonite	0.478	108.81	0.994	1.06
DAD-0004	DAD004A027	23.14	24	Muscovite	0.522	Paragonite	0.478	108.81	0.994	1.06
DAD-0004	DAD004A028	24	24.86	Paragonite	0.514	Muscovite	0.486	93.9	0.984	1.01
DAD-0004	DAD004A029	24.86	25.71	Illite	0.539	Paragonite	0.461	76.26	0.978	1.18
DAD-0004	DAD004A030	25.71	26.57	Illite	1	NULL	NULL	99.29	0.991	1
DAD-0004	DAD004A031	26.57	27.43	Illite	1	NULL	NULL	215.15	0.995	1.04
DAD-0004	DAD004A032	27.43	28.29	Illite	1	NULL	NULL	69.21	1.01	1.04
DAD-0004	DAD004A033	28.29	29.14	Illite	1	NULL	NULL	37.74	0.946	1.15
DAD-0004	DAD004A034	29.14	30	Illite	1	NULL	NULL	37.74	0.946	1.15
DAD-0004	DAD004A035	30	30.86	Phengite	0.512	Illite	0.488	123.33	1.01	1.01
DAD-0004	DAD004A036	30.86	31.71	Illite	0.515	Phengite	0.485	71.12	1.01	1.01
DAD-0004	DAD004A037	31.71	32.57	Illite	1	NULL	NULL	75.75	1	1.1
DAD-0004	DAD004A038	32.57	33.43	Illite	0.549	Phengite	0.451	102.64	0.993	0.995
DAD-0004	DAD004A039	33.43	34.29	Illite	1	NULL	NULL	58.54	1	1.1
DAD-0004	DAD004A040	34.29	35.14	Illite	0.732	Phengite	0.268	33.7	0.985	1.11
DAD-0004	DAD004A041	35.14	36	Illite	0.612	Muscovite	0.388	16.24	0.999	1.18
DAD-0004	DAD004A042	36	36.86	Illite	0.649	Paragonite	0.351	24.37	0.901	1.27
DAD-0004	DAD004A043	36.86	37.71	Illite	0.748	Paragonite	0.252	23.87	0.913	1.24
DAD-0004	DAD004A044	37.71	38.57	Muscovite	0.658	Paragonite	0.342	61.85	0.986	1.1
DAD-0004	DAD004A045	38.57	39.43	Illite	1	NULL	NULL	48.26	0.986	1.07
DAD-0004	DAD004A046	39.43	40.29	Paragonite	0.56	Muscovite	0.44	44.79	0.966	1.24
DAD-0004	DAD004A047	40.29	41.14	Illite	0.544	Paragonite	0.456	23.76	0.935	1.28
DAD-0004	DAD004A048	41.14	42	Illite	0.509	Paragonite	0.491	49	0.972	1.23
DAD-0004	DAD004A049	42	42.9	Muscovite	0.539	Paragonite	0.461	88.2	0.997	1.08
DAD-0004	DAD004A050	42.9	43.8	Illite	0.593	Paragonite	0.407	20.39	0.934	1.3
DAD-0004	DAD004A051	43.8	44.7	Illite	1	NULL	NULL	118.38	1.01	1.01
DAD-0004	DAD004A052	44.7	45.6	Muscovite	0.547	Paragonite	0.453	48.6	0.983	1.06
DAD-0004	DAD004A053	45.6	46.5	Muscovite	0.554	Paragonite	0.446	82.36	1.01	1.06
DAD-0004	DAD004A054	46.5	47.4	Paragonite	0.524	Muscovite	0.476	47.64	0.975	1.16
DAD-0004	DAD004A055	47.4	48.3	Paragonite	0.527	Muscovite	0.473	61.07	0.99	1.09
DAD-0004	DAD004A056	48.3	49.14	Muscovite	0.511	Paragonite	0.489	94.27	0.997	1.01
DAD-0004	DAD004A057	49.14	49.99	Illite	1	NULL	NULL	66.98	1	1
DAD-0004	DAD004A058	49.99	50.83	Muscovite	0.569	Paragonite	0.431	61.87	0.991	0.995
DAD-0004	DAD004A059	50.83	51.67	Muscovite	0.515	Paragonite	0.485	79.09	0.997	1.04
DAD-0004	DAD004A060	51.67	52.51	Illite	1	NULL	NULL	122.95	1.01	1.04
DAD-0004	DAD004A061	52.51	53.36	Illite	1	NULL	NULL	115.5	0.997	1.01
DAD-0004	DAD004A062	53.36	54.2	Illite	1	NULL	NULL	174.16	1	1.03
DAD-0004	DAD004A063	54.2	55.1	Muscovite	0.593	Paragonite	0.407	114.94	0.997	1.01
DAD-0004	DAD004A064	55.1	56	Illite	0.908	Gypsum	0.0923	128.12	0.995	0.929
DAD-0004	DAD004A065	56	56.9	Muscovite	0.529	Paragonite	0.471	64.32	0.993	1.04
DAD-0004	DAD004A066	56.9	57.8	Illite	1	NULL	NULL	40.16	0.996	0.99
DAD-0004	DAD004A067	57.8	58.7	Illite	1	NULL	NULL	100.6	1	1.06
DAD-0004	DAD004A068	58.7	59.6	Illite	1	NULL	NULL	111.65	0.997	1.07
DAD-0004	DAD004A069	59.6	60.5	Muscovite	0.525	Paragonite	0.475	42.96	0.992	1.06
DAD-0004	DAD004A070	60.5	61.49	Paragonite	0.567	Muscovite	0.433	85.31	0.991	1.03
DAD-0004	DAD004A071	61.49	62.47	Illite	0.601	Paragonite	0.399	41.52	0.952	1.17
DAD-0004	DAD004A072	62.47	63.46	Paragonite	0.504	Muscovite	0.496	56.04	0.989	1.04
DAD-0004	DAD004A073	63.46	64.44	Muscovite	0.514	Paragonite	0.486	48.88	0.987	1.07
DAD-0004	DAD004A074	64.44	65.43	Illite	1	NULL	NULL	89.01	1	0.99
DAD-0004	DAD004A075	65.43	66.41	Illite	0.887	Gypsum	0.113	201.07	1.01	0.98
DAD-0004	DAD004A076	66.41	67.4	Illite	1	NULL	NULL	196.49	1.01	0.999
DAD-0004	DAD004A077	67.4	68.16	Muscovite	1	NULL	NULL	59.5	0.999	0.992
DAD-0004	DAD004A078	68.16	68.93	Illite	0.925	Gypsum	0.0753	87.26	1	1.01
DAD-0004	DAD004A079	68.93	69.69	Illite	1	NULL	NULL	184.4	0.999	0.98
DAD-0004	DAD004A080	69.69	70.46	Muscovite	0.551	Paragonite	0.449	75.77	0.999	1.06
DAD-0004	DAD004A081	70.46	71.22	Illite	1	NULL	NULL	192.52	1	0.971
DAD-0004	DAD004A082	71.22	71.99	Illite	1	NULL	NULL	113.56	1	1.01
DAD-0004	DAD004A083	71.99	72.75	Illite	1	NULL	NULL	89.75	0.998	1.07

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0004	DAD004A084	72.75	73.64	Illite	1	NULL	NULL	84.23	1.01	0.997
DAD-0004	DAD004A085	73.64	74.54	Muscovite	0.527	Paragonite	0.473	46.89	0.989	1.07
DAD-0004	DAD004A086	74.54	75.43	Muscovite	0.582	Paragonite	0.418	64.18	0.99	1.07
DAD-0004	DAD004A087	75.43	76.32	Illite	1	NULL	NULL	49.83	0.974	1.11
DAD-0004	DAD004A088	76.32	77.21	Illite	0.576	Paragonite	0.424	27.02	0.942	1.25
DAD-0004	DAD004A089	77.21	78.11	Illite	1	NULL	NULL	80.51	0.998	1.08
DAD-0004	DAD004A090	78.11	79	Paragonite	0.578	Muscovite	0.422	53.81	0.979	1.16
DAD-0004	DAD004A091	79	79.86	Illite	1	NULL	NULL	106.27	0.999	1.06
DAD-0004	DAD004A092	79.86	80.71	Illite	0.742	Paragonite	0.258	10.74	0.915	1.21
DAD-0004	DAD004A093	80.71	81.57	Illite	1	NULL	NULL	105.24	0.969	1.05
DAD-0004	DAD004A094	81.57	82.43	Paragonite	0.519	Muscovite	0.481	86.4	0.987	1.07
DAD-0004	DAD004A095	82.43	83.29	Illite	1	NULL	NULL	60.78	1	1.09
DAD-0004	DAD004A096	83.29	84.14	Muscovite	1	NULL	NULL	127.95	1.01	1.01
DAD-0004	DAD004A097	84.14	85	Paragonite	0.509	Muscovite	0.491	62.79	0.987	1.06
DAD-0004	DAD004A098	85	85.86	Illite	1	NULL	NULL	94.06	0.994	1.02
DAD-0004	DAD004A099	85.86	86.71	Muscovite	0.511	Paragonite	0.489	86.78	0.994	1.04
DAD-0004	DAD004A100	86.71	87.57	Illite	0.644	Paragonite	0.356	41.86	0.985	1.14
DAD-0004	DAD004A101	87.57	88.43	Illite	0.889	Gypsum	0.111	185.29	0.992	0.973
DAD-0004	DAD004A102	88.43	89.29	Illite	0.822	Gypsum	0.178	120.97	1.01	0.93
DAD-0004	DAD004A103	89.29	90.14	Paragonite	0.531	Muscovite	0.469	115.97	0.988	1.03
DAD-0004	DAD004A104	90.14	91	Illite	1	NULL	NULL	216.87	1	0.978
DAD-0004	DAD004A105	91	91.87	Illite	0.552	Paragonite	0.448	42.43	0.974	1.12
DAD-0004	DAD004A106	91.87	92.74	Illite	1	NULL	NULL	203.51	0.999	0.984
DAD-0004	DAD004A107	92.74	93.61	Paragonite	0.527	Muscovite	0.473	86.11	0.988	1.04
DAD-0004	DAD004A108	93.61	94.49	Paragonite	0.536	Muscovite	0.464	97.38	0.986	1
DAD-0004	DAD004A109	94.49	95.36	Illite	1	NULL	NULL	99.39	0.989	0.975
DAD-0004	DAD004A110	95.36	96.23	Illite	0.905	Gypsum	0.0948	142.61	0.998	0.972
DAD-0004	DAD004A111	96.23	97.1	Illite	1	NULL	NULL	97.61	0.987	1.03
DAD-0004	DAD004A112	97.1	97.94	Illite	0.662	Paragonite	0.338	46.49	0.972	1.13
DAD-0004	DAD004A113	97.94	98.79	Illite	1	NULL	NULL	109.45	1.01	1.01
DAD-0004	DAD004A114	98.79	99.63	Illite	0.652	Paragonite	0.348	51.51	0.977	1.12
DAD-0004	DAD004A115	99.63	100.47	Illite	1	NULL	NULL	50.24	0.993	1.09
DAD-0004	DAD004A116	100.47	101.31	Muscovite	0.56	Paragonite	0.44	73.86	0.998	1.07
DAD-0004	DAD004A117	101.31	102.16	Illite	0.633	Paragonite	0.367	41.95	0.954	1.16
DAD-0004	DAD004A118	102.16	103	Muscovite	0.505	Paragonite	0.495	70.76	0.998	1.11
DAD-0004	DAD004A119	103	103.91	Illite	0.639	Paragonite	0.361	37.42	0.957	1.16
DAD-0004	DAD004A120	103.91	104.81	Illite	1	NULL	NULL	58.61	1.01	0.991
DAD-0004	DAD004A121	104.81	105.72	Illite	1	NULL	NULL	40.17	1.01	0.982
DAD-0004	DAD004A122	105.72	106.63	Paragonite	0.534	Muscovite	0.466	52.75	0.976	1.12
DAD-0004	DAD004A123	106.63	107.54	Muscovite	0.501	Paragonite	0.499	65.95	0.99	1.14
DAD-0004	DAD004A124	107.54	108.44	Muscovite	0.562	Paragonite	0.438	79.93	0.995	1.09
DAD-0004	DAD004A125	108.44	109.35	Illite	1	NULL	NULL	63.23	0.997	1.11
DAD-0004	DAD004A126	109.35	110.23	Illite	1	NULL	NULL	129.36	0.999	1.04
DAD-0004	DAD004A127	110.23	111.11	Muscovite	0.612	Paragonite	0.388	91.46	1.01	1.03
DAD-0004	DAD004A128	111.11	111.99	Muscovite	0.557	Paragonite	0.443	67.36	0.995	1.12
DAD-0004	DAD004A129	111.99	112.86	Illite	0.878	Gypsum	0.122	201.24	1	0.966
DAD-0004	DAD004A130	112.86	113.74	Illite	0.559	Paragonite	0.441	32.8	0.937	1.36
DAD-0004	DAD004A131	113.74	114.62	Illite	1	NULL	NULL	40.55	0.966	1.21
DAD-0004	DAD004A132	114.62	115.5	Illite	1	NULL	NULL	95.99	0.978	1.12
DAD-0004	DAD004A133	115.5	116.41	Illite	1	NULL	NULL	160.47	0.993	1.02
DAD-0004	DAD004A134	116.41	117.31	Muscovite	0.55	Paragonite	0.45	69.55	0.977	1.02
DAD-0004	DAD004A135	117.31	118.22	Illite	1	NULL	NULL	92.32	0.985	0.964
DAD-0004	DAD004A136	118.22	119.13	Paragonite	0.516	Muscovite	0.484	69	0.986	1.07
DAD-0004	DAD004A137	119.13	120.04	Illite	0.616	Paragonite	0.384	16.59	0.933	1.28
DAD-0004	DAD004A138	120.04	120.94	Paragonite	1	NULL	NULL	75.26	1	1.04
DAD-0004	DAD004A139	120.94	121.85	Paragonite	0.557	Muscovite	0.443	59.06	0.974	1.19
DAD-0004	DAD004A140	121.85	122.71	Paragonite	1	NULL	NULL	68.3	0.992	1.05
DAD-0004	DAD004A141	122.71	123.58	Illite	1	NULL	NULL	114.26	1	1.07

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0004	DAD004A142	123.58	124.44	Paragonite	0.519	Muscovite	0.481	66.2	0.987	1.1
DAD-0004	DAD004A143	124.44	125.31	Muscovite	0.512	Paragonite	0.488	64.88	0.99	1.11
DAD-0004	DAD004A144	125.31	126.17	Paragonite	0.527	Muscovite	0.473	53.41	0.982	1.17
DAD-0004	DAD004A145	126.17	127.04	Illite	0.647	Paragonite	0.353	23.52	0.941	1.27
DAD-0004	DAD004A146	127.04	127.9	Illite	1	NULL	NULL	50.07	0.996	1.03
DAD-0004	DAD004A147	127.9	128.76	Muscovite	0.55	Paragonite	0.45	32.92	0.976	1.15
DAD-0004	DAD004A148	128.76	129.61	Muscovite	0.52	Paragonite	0.48	73.54	0.99	1.01
DAD-0004	DAD004A149	129.61	130.47	Illite	0.876	Gypsum	0.124	90.34	1	0.955
DAD-0004	DAD004A150	130.47	131.33	Muscovite	0.551	Paragonite	0.449	87.04	0.991	1.02
DAD-0004	DAD004A151	131.33	132.19	Illite	0.842	Gypsum	0.158	164.97	1	0.923
DAD-0004	DAD004A152	132.19	133.04	Phengite	0.636	Illite	0.364	44.72	1.02	1.03
DAD-0004	DAD004A153	133.04	133.9	Muscovite	1	NULL	NULL	53.72	1	1.1
DAD-0004	DAD004A154	133.9	134.75	Muscovite	0.533	Paragonite	0.467	78.62	0.994	1.06
DAD-0004	DAD004A155	134.75	135.6	Paragonite	0.515	Muscovite	0.485	50.81	0.98	1.08
DAD-0004	DAD004A156	135.6	136.45	Illite	1	NULL	NULL	67.34	0.994	1.01
DAD-0004	DAD004A157	136.45	137.3	Muscovite	0.534	Paragonite	0.466	93.28	0.993	1.05
DAD-0004	DAD004A158	137.3	138.15	Muscovite	0.504	Paragonite	0.496	45.97	0.978	1.13
DAD-0004	DAD004A159	138.15	139	Paragonite	0.529	Muscovite	0.471	50.31	0.974	1.04
DAD-0004	DAD004A160	139	139.85	Paragonite	0.52	Muscovite	0.48	63.85	0.982	1.07
DAD-0004	DAD004A161	139.85	140.75	Muscovite	0.517	Paragonite	0.483	64.55	0.984	1.1
DAD-0004	DAD004A162	140.75	141.64	Illite	1	NULL	NULL	122.36	1	1.04
DAD-0004	DAD004A163	141.64	142.54	Illite	0.6	Paragonite	0.4	23.63	0.941	1.2
DAD-0004	DAD004A164	142.54	143.44	Paragonite	0.544	Muscovite	0.456	84.6	0.982	1.05
DAD-0004	DAD004A165	143.44	144.34	Muscovite	0.527	Paragonite	0.473	61.51	0.981	1.12
DAD-0004	DAD004A166	144.34	145.23	Muscovite	0.518	Paragonite	0.482	51.4	0.976	1.13
DAD-0004	DAD004A167	145.23	146.13	Muscovite	0.52	Paragonite	0.48	31.63	0.972	1.16
DAD-0004	DAD004A168	146.13	146.97	Paragonite	0.509	Muscovite	0.491	41.55	0.979	1.1
DAD-0004	DAD004A169	146.97	147.81	Paragonite	0.503	Muscovite	0.497	71.06	0.987	1.05
DAD-0004	DAD004A170	147.81	148.65	Illite	1	NULL	NULL	25.58	1.01	0.984
DAD-0004	DAD004A171	148.65	149.48	Muscovite	0.51	Paragonite	0.49	41.77	0.985	1.09
DAD-0004	DAD004A172	149.48	150.32	Muscovite	0.504	Paragonite	0.496	90.9	0.987	1.02
DAD-0004	DAD004A173	150.32	151.16	Paragonite	0.532	Muscovite	0.468	49.98	0.973	1.12
DAD-0004	DAD004A174	151.16	152	Illite	0.595	Paragonite	0.405	20.62	0.915	1.31
DAD-0004	DAD004A175	152	152.9	Illite	0.527	Paragonite	0.473	39.79	0.948	1.23
DAD-0004	DAD004A176	152.9	153.8	Paragonite	0.503	Illite	0.497	42.05	0.952	1.17
DAD-0004	DAD004A177	153.8	154.7	Paragonite	0.585	Muscovite	0.415	53.41	0.971	1.13
DAD-0004	DAD004A178	154.7	155.6	Paragonite	0.581	Muscovite	0.419	51.81	0.971	1.11
DAD-0004	DAD004A179	155.6	156.5	Muscovite	0.524	Paragonite	0.476	36.18	0.966	1.1
DAD-0004	DAD004A180	156.5	157.4	Paragonite	0.544	Muscovite	0.456	59.52	0.981	1.07
DAD-0004	DAD004A181	157.4	158.3	Illite	0.523	Paragonite	0.477	42.76	0.967	1.17
DAD-0004	DAD004A182	158.3	159.17	Paragonite	0.595	Muscovite	0.405	56.8	0.975	1.11
DAD-0004	DAD004A183	159.17	160.04	Paragonite	0.581	Muscovite	0.419	35.67	0.963	1.18
DAD-0004	DAD004A184	160.04	160.91	Paragonite	0.529	Muscovite	0.471	40.17	0.961	1.17
DAD-0004	DAD004A185	160.91	161.79	Paragonite	0.53	Muscovite	0.47	80.41	0.984	1.1
DAD-0004	DAD004A186	161.79	162.66	Paragonite	0.561	Muscovite	0.439	38.92	0.964	1.15
DAD-0004	DAD004A187	162.66	163.53	Paragonite	0.519	Illite	0.481	29.08	0.955	1.15
DAD-0004	DAD004A188	163.53	164.4	Paragonite	0.608	Muscovite	0.392	33.35	0.956	1.17
DAD-0004	DAD004A189	164.4	165.31	Paragonite	0.599	Muscovite	0.401	39.19	0.967	1.14
DAD-0004	DAD004A190	165.31	166.21	Paragonite	0.51	Illite	0.49	28.83	0.948	1.2
DAD-0004	DAD004A191	166.21	167.12	Paragonite	0.594	Muscovite	0.406	34.43	0.952	1.16
DAD-0004	DAD004A192	167.12	168.03	Paragonite	0.509	Illite	0.491	39.81	0.963	1.14
DAD-0004	DAD004A193	168.03	168.94	Paragonite	0.595	Muscovite	0.405	39.03	0.956	1.15
DAD-0004	DAD004A194	168.94	169.84	Illite	1	NULL	NULL	71.25	0.989	1.11
DAD-0004	DAD004A195	169.84	170.75	Illite	1	NULL	NULL	39.7	0.94	1.18
DAD-0004	DAD004A196	170.75	171.64	Paragonite	0.542	Muscovite	0.458	63.26	0.977	1.09
DAD-0004	DAD004A197	171.64	172.54	Illite	0.541	Paragonite	0.459	42.54	0.943	1.22
DAD-0004	DAD004A198	172.54	173.43	Illite	0.557	Paragonite	0.443	22.36	0.92	1.22
DAD-0004	DAD004A199	173.43	174.32	Paragonite	0.505	Muscovite	0.495	78.61	0.985	1.09

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0004	DAD004A200	174.32	175.21	Paragonite	0.54	Muscovite	0.46	71.66	0.984	1.09
DAD-0004	DAD004A201	175.21	176.11	Paragonite	0.549	Muscovite	0.451	50.38	0.982	1.07
DAD-0004	DAD004A202	176.11	177	Paragonite	0.553	Muscovite	0.447	59.31	0.98	1.04
DAD-0004	DAD004A203	177	177.86	Paragonite	0.508	Muscovite	0.492	28.36	0.961	1.15
DAD-0004	DAD004A204	177.86	178.71	Muscovite	0.529	Paragonite	0.471	35.17	0.976	1.14
DAD-0004	DAD004A205	178.71	179.57	Muscovite	0.551	Paragonite	0.449	64.81	1	1.06
DAD-0004	DAD004A206	179.57	180.43	Muscovite	0.504	Paragonite	0.496	88.05	0.986	1.02
DAD-0004	DAD004A207	180.43	181.29	Muscovite	0.516	Paragonite	0.484	33.74	0.971	1.13
DAD-0004	DAD004A208	181.29	182.14	Muscovite	0.529	Paragonite	0.471	74.36	0.989	1.03
DAD-0004	DAD004A209	182.14	183	Illite	1	NULL	NULL	139.45	0.999	1.01
DAD-0004	DAD004A210	183	183.88	Muscovite	0.524	Paragonite	0.476	41.49	0.99	1.06
DAD-0004	DAD004A211	183.88	184.75	Muscovite	1	NULL	NULL	15.47	1	0.981
DAD-0004	DAD004A212	184.75	185.63	Illite	0.702	Paragonite	0.298	26.89	0.98	1.14
DAD-0004	DAD004A213	185.63	186.5	Muscovite	0.52	Paragonite	0.48	69.07	0.996	1.07
DAD-0004	DAD004A214	186.5	187.38	Paragonite	0.506	Muscovite	0.494	119.74	0.99	1.01
DAD-0004	DAD004A215	187.38	188.25	Paragonite	0.504	Muscovite	0.496	56.09	0.987	1.1
DAD-0004	DAD004A216	188.25	189.13	Muscovite	0.538	Paragonite	0.462	25.79	0.974	1.15
DAD-0004	DAD004A217	189.13	190	Paragonite	0.538	Muscovite	0.462	49.03	0.981	1.07
DAD-0004	DAD004A218	190	190.86	Muscovite	0.548	Paragonite	0.452	41.7	0.984	1.16
DAD-0004	DAD004A219	190.86	191.73	Muscovite	0.506	Paragonite	0.494	70.05	0.992	1.05
DAD-0004	DAD004A220	191.73	192.6	Muscovite	0.56	Paragonite	0.44	34.58	0.969	1.17
DAD-0004	DAD004A221	192.6	193.47	Muscovite	0.544	Paragonite	0.456	40.08	0.979	1.13
DAD-0004	DAD004A222	193.47	194.33	Muscovite	0.615	Paragonite	0.385	37.29	0.985	1.14
DAD-0004	DAD004A223	194.33	195.2	Illite	0.526	Paragonite	0.474	17.07	0.883	1.32
DAD-0004	DAD004A224	195.2	196.06	Paragonite	0.534	Illite	0.466	41.82	0.956	1.18
DAD-0004	DAD004A225	196.06	196.91	Paragonite	0.558	Illite	0.442	16.16	0.888	1.36
DAD-0004	DAD004A226	196.91	197.77	Paragonite	0.551	Illite	0.449	15.24	0.83	1.37
DAD-0004	DAD004A227	197.77	198.63	Paragonite	0.519	Illite	0.481	14.91	0.889	1.34
DAD-0004	DAD004A228	198.63	199.49	Paragonite	0.596	Illite	0.404	26.48	0.939	1.25
DAD-0004	DAD004A229	199.49	200.34	Paragonite	0.541	Muscovite	0.459	78.18	0.977	1.11
DAD-0004	DAD004A230	200.34	201.2	Paragonite	1	NULL	NULL	98.46	0.975	1.08
DAD-0004	DAD004A231	201.2	202.09	Paragonite	0.658	Muscovite	0.342	51.2	0.972	1.14
DAD-0004	DAD004A232	202.09	202.99	Illite	0.723	Paragonite	0.277	17.87	0.933	1.23
DAD-0004	DAD004A233	202.99	203.88	Illite	1	NULL	NULL	25.31	0.934	1.22
DAD-0004	DAD004A234	203.88	204.77	Illite	0.758	Dickite	0.242	42.07	0.781	1.46
DAD-0004	DAD004A235	204.77	205.66	Illite	1	NULL	NULL	25.16	0.918	1.2
DAD-0004	DAD004A236	205.66	206.56	Illite	0.736	Paragonite	0.264	13.33	0.928	1.27
DAD-0004	DAD004A237	206.56	207.45	Muscovite	0.563	Paragonite	0.437	25.36	0.966	1.18
DAD-0004	DAD004A238	207.45	208.32	Illite	0.517	Paragonite	0.483	16.09	0.926	1.23
DAD-0004	DAD004A239	208.32	209.19	Muscovite	0.576	Paragonite	0.424	31.58	0.967	1.12
DAD-0004	DAD004A240	209.19	210.06	Illite	1	NULL	NULL	39.13	0.96	1.13
DAD-0004	DAD004A241	210.06	210.94	Illite	1	NULL	NULL	33.98	0.935	1.18
DAD-0004	DAD004A242	210.94	211.81	Illite	1	NULL	NULL	62.72	0.994	1.11
DAD-0004	DAD004A243	211.81	212.68	Illite	1	NULL	NULL	38.55	0.98	1.18
DAD-0004	DAD004A244	212.68	213.55	Illite	0.736	Paragonite	0.264	29.84	0.96	1.2
DAD-0004	DAD004A245	213.55	214.44	Muscovite	0.592	Paragonite	0.408	27.83	0.96	1.19
DAD-0004	DAD004A246	214.44	215.33	Illite	0.714	Paragonite	0.286	15.34	0.887	1.29
DAD-0004	DAD004A247	215.33	216.22	Illite	0.774	Paragonite	0.226	13.18	0.893	1.29
DAD-0004	DAD004A248	216.22	217.11	Illite	0.779	Paragonite	0.221	12.95	0.855	1.31
DAD-0004	DAD004A249	217.11	218	Illite	1	NULL	NULL	26.3	0.92	1.19
DAD-0004	DAD004A250	218	218.88	Illite	1	NULL	NULL	77.77	0.996	1.02
DAD-0004	DAD004A251	218.88	219.75	Illite	1	NULL	NULL	78.05	1	1.04
DAD-0004	DAD004A252	219.75	220.63	Illite	1	NULL	NULL	47.76	0.982	1.11
DAD-0004	DAD004A253	220.63	221.5	Muscovite	1	NULL	NULL	108.12	1.01	1.05
DAD-0004	DAD004A254	221.5	222.38	Muscovite	1	NULL	NULL	103.36	0.984	1.05
DAD-0004	DAD004A255	222.38	223.25	Illite	1	NULL	NULL	44.17	0.991	1.16
DAD-0004	DAD004A256	223.25	224.13	Illite	1	NULL	NULL	35.86	0.972	1.18
DAD-0004	DAD004A257	224.13	225	Illite	0.646	Paragonite	0.354	22.7	0.952	1.18

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AIOH Crystallinity
DAD-0004	DAD004A258	225	225.88	Muscovite	0.563	Paragonite	0.437	47.15	0.983	1.12
DAD-0004	DAD004A259	225.88	226.75	Illite	1	NULL	NULL	44.91	0.984	1.17
DAD-0004	DAD004A260	226.75	227.63	Illite	1	NULL	NULL	40.1	0.975	1.16
DAD-0004	DAD004A261	227.63	228.5	Illite	1	NULL	NULL	45.18	0.995	1.04
DAD-0004	DAD004A262	228.5	229.38	Illite	1	NULL	NULL	30.14	0.962	1.18
DAD-0004	DAD004A263	229.38	230.25	Illite	1	NULL	NULL	44.7	0.994	1.13
DAD-0004	DAD004A264	230.25	231.13	Illite	0.625	Paragonite	0.375	39.75	0.96	1.16
DAD-0004	DAD004A265	231.13	232	Illite	1	NULL	NULL	68.2	0.994	1.08
DAD-0004	DAD004A266	232	232.87	Muscovite	0.537	Paragonite	0.463	44.15	0.98	1.15
DAD-0004	DAD004A267	232.87	233.74	Illite	0.669	Paragonite	0.331	23.92	0.802	1.3
DAD-0004	DAD004A268	233.74	234.61	Illite	1	NULL	NULL	37.15	0.988	1.13
DAD-0004	DAD004A269	234.61	235.49	Illite	1	NULL	NULL	63.87	1.02	1.08
DAD-0004	DAD004A270	235.49	236.36	Muscovite	0.505	Illite	0.495	27.59	1	1.16
DAD-0004	DAD004A271	236.36	237.23	Muscovite	0.505	Illite	0.495	27.59	1	1.16
DAD-0004	DAD004A272	237.23	238.1	Illite	1	NULL	NULL	62.55	1.01	1.15
DAD-0004	DAD004A273	238.1	238.99	Illite	1	NULL	NULL	31.26	0.993	1.18
DAD-0004	DAD004A274	238.99	239.89	Illite	1	NULL	NULL	50.86	1	1.15
DAD-0004	DAD004A275	239.89	240.78	Muscovite	0.598	Illite	0.402	24.96	1.01	1.11
DAD-0004	DAD004A276	240.78	241.67	Muscovite	0.526	Illite	0.474	21.81	0.997	1.16
DAD-0004	DAD004A277	241.67	242.56	Muscovite	1	NULL	NULL	51.71	1	1.01
DAD-0004	DAD004A278	242.56	243.46	Illite	1	NULL	NULL	26.13	0.976	1.18
DAD-0004	DAD004A279	243.46	244.35	Illite	1	NULL	NULL	23.56	0.978	1.2
DAD-0004	DAD004A280	244.35	245.26	Illite	0.658	Muscovite	0.342	14.34	0.99	1.17
DAD-0004	DAD004A281	245.26	246.18	Muscovite	0.644	Paragonite	0.356	46.54	0.997	1.09
DAD-0004	DAD004A282	246.18	247.09	Muscovite	0.597	Paragonite	0.403	32.49	0.986	1.17
DAD-0004	DAD004A283	247.09	248.01	Illite	1	NULL	NULL	51.72	1.01	1.14
DAD-0004	DAD004A284	248.01	248.92	Muscovite	0.691	Paragonite	0.309	38.4	0.988	1.14
DAD-0004	DAD004A285	248.92	249.84	Illite	1	NULL	NULL	79.25	1.02	1.13
DAD-0004	DAD004A286	249.84	250.75	Illite	1	NULL	NULL	43.39	1	1.15
DAD-0004	DAD004A287	250.75	251.58	Illite	1	NULL	NULL	63.69	1.01	1.18
DAD-0004	DAD004A288	251.58	252.4	Illite	1	NULL	NULL	57.03	1.01	1.12
DAD-0004	DAD004A289	252.4	253.3	Illite	0.633	Paragonite	0.367	26.54	0.949	1.27
DAD-0004	DAD004A290	253.3	255	Muscovite	0.551	Paragonite	0.449	84.68	1	1.03
DAD-0004	DAD004A291	255	255.9	Muscovite	0.658	Paragonite	0.342	57.94	1.01	1.14
DAD-0004	DAD004A292	255.9	256.9	Illite	1	NULL	NULL	70.68	1	1.11
DAD-0004	DAD004A293	256.9	257.75	Muscovite	0.586	Paragonite	0.414	39.99	0.991	1.19
DAD-0004	DAD004A294	257.75	258.63	Illite	1	NULL	NULL	100.56	1	1.05
DAD-0004	DAD004A295	258.63	259.51	Muscovite	1	NULL	NULL	23.47	1.01	1
DAD-0004	DAD004A296	259.51	260.39	Illite	0.751	Paragonite	0.249	25.81	0.961	1.27
DAD-0004	DAD004A297	260.39	261.26	Illite	1	NULL	NULL	104.16	1	1.03
DAD-0004	DAD004A298	261.26	262.14	Muscovite	0.704	Paragonite	0.296	54.58	1	1.07
DAD-0004	DAD004A299	262.14	263.02	Muscovite	0.645	Paragonite	0.355	71.46	0.998	1.04
DAD-0004	DAD004A300	263.02	263.9	Illite	1	NULL	NULL	91.86	1	1.04
DAD-0004	DAD004A301	263.9	264.76	Illite	1	NULL	NULL	57.11	0.998	1.02
DAD-0004	DAD004A302	264.76	265.61	Illite	1	NULL	NULL	89.7	1	1.02
DAD-0004	DAD004A303	265.61	266.47	Illite	1	NULL	NULL	76.17	1.01	1.04
DAD-0004	DAD004A304	266.47	267.33	Illite	1	NULL	NULL	76.17	1.01	1.04
DAD-0004	DAD004A305	267.33	268.19	Illite	1	NULL	NULL	85.81	0.998	1.04
DAD-0004	DAD004A306	268.19	269.04	Muscovite	1	NULL	NULL	31.12	1.01	0.975
DAD-0004	DAD004A307	269.04	269.9	Illite	1	NULL	NULL	78.41	1	1.03
DAD-0004	DAD004A308	269.9	270.85	Muscovite	0.913	Gypsum	0.0865	115.76	1.01	0.968
DAD-0004	DAD004A309	270.85	271.8	Muscovite	0.64	Ankerite	0.36	210.24	0.998	0.954
DAD-0004	DAD004A310	271.8	272.12	IntChlorite	0.659	Illite	0.341	119.67	0.944	0.984
DAD-0004	DAD004A311	272.12	273.08	IntChlorite	0.659	Illite	0.341	119.67	0.944	0.984
DAD-0004	DAD004A312	273.08	274.04	Illite	1	NULL	NULL	100.62	0.924	1.05
DAD-0004	DAD004A313	274.04	274.7	Phengite	1	NULL	NULL	129.39	1	0.978
DAD-0004	DAD004A314	274.7	275	Montmorillonite	1	NULL	NULL	152.07	1	0.977