Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98B10004	DA980004	1/08/98	EL 5062	B	DA98B1A0004	Paragonite	1	NULL	NULL	220.15	0.991	0	R
DA98B10005	DA980005	1/08/98	EL 5062	B	DA98B1A0005	Paragonite	0.534	Illite	0.466	81.06	0.99	0	R
DA98B10006	DA980006	1/08/98	EL 5062	B	DA98B1A0006	Paragonite	0.58	Illite	0.42	39.13	0.972	0	R
DA98B10007	DA980007	1/08/98	EL 5062	B	DA98B1A0007	Paragonite	0.58	Illite	0.42	39.13	0.972	0	R
DA98B10008	DA980008	1/08/98	EL 5062	B	DA98B1A0008	Paragonite	1	NULL	NULL	53.41	0.947	0	R
DA98B10009	DA980009	1/08/98	EL 5062	B	DA98B1A0009	Paragonite	0.914	Gypsum	0.0865	102.15	0.981	0	R
DA98B10010	DA980010	1/08/98	EL 5062	B	DA98B1A0010	Illite	0.62	Kaolinite	0.38	85.88	1.02	0	R
DA98B10011	DA980011	1/08/98	EL 5062	B	DA98B1A0011	Paragonite	1	NULL	NULL	206.98	0.986	0	R
DA98B10012	DA980012	1/08/98	EL 5062	B	DA98B1A0012	Muscovite	0.633	Halloysite	0.367	89.89	1.02	0	R
DA98B10013	DA980013	1/08/98	EL 5062	B	DA98B1A0013	Halloysite	1	NULL	NULL	164.62	1.03	0	R
DA98B10014	DA980014	1/08/98	EL 5062	B	DA98B1A0014	Illite	1	NULL	NULL	50.99	1	0	R
DA98C10015	DA980015	8/08/98	EL 5061	C	DA98C1A0015	Illite	1	NULL	NULL	107.382	1.004	0.982	R
DA98C10016	DA980016	9/08/98	EL 5061	C	DA98C1A0016	Illite	1	NULL	NULL	54.273	1.002	1.005	R
DA98C10017	DA980017	17/08/98	EL 5061	C	DA98C1A0017	NULL	NULL	NULL	NULL	NULL	0.997	1.003	R
DA98C30018	DA980018	17/08/98	EL 5061	C	DA98C3A0018	Gypsum	1	NULL	NULL	96.777	0.999	0.944	D
DA98C10018	DA980018	17/08/98	EL 5061	C	DA98C1A0018	NULL	NULL	NULL	NULL	NULL	1.001	0.911	R
DA98C10020	DA980020	22/08/98	EL 5062	C	DA98C1A0020	Paragonite	0.514	Illite	0.486	29.877	0.972	1.114	R
DA98C10021	DA980021	22/08/98	EL 5062	C	DA98C1A0021	NULL	NULL	NULL	NULL	NULL	1.005	0.938	R
DA98C10022	DA980022	13/09/98	EL 5062	C	DA98C1A0022	Kaolinite	1	NULL	NULL	81.837	1.025	1.033	R
DA98C10023	DA980023	13/09/98	EL 5062	C	DA98C1A0023	Muscovite	0.577	Kaolinite	0.423	186.811	1.019	0.985	R
DA98B10024	DA980024	23/09/98	EL 5061	B	DA98B1A0024	Illite	1	NULL	NULL	68.649	1.008	1	R
DA98B10025	DA980025	23/09/98	EL 5061	B	DA98B1A0025	Illite	0.747	Kaolinite	0.253	24.059	1.017	1.084	R
DA98B10026	DA980026	23/09/98	EL 5061	B	DA98B1A0026	Illite	1	NULL	NULL	126.067	1.004	0.979	R
DA98B10027	DA980027	23/09/98	EL 5061	B	DA98B1A0027	Illite	0.524	Kaolinite	0.476	61.887	0.988	1.054	R
DA98B10028	DA980028	23/09/98	EL 5061	B	DA98B1A0028	Illite	0.787	Kaolinite	0.213	60.07	1.005	1.061	R
DA98B10029	DA980029	23/09/98	EL 5061	B	DA98B1A0029	Muscovite	1	NULL	NULL	217.207	1.002	0.98	R
DA98B10030	DA980030	23/09/98	EL 5061	C	DA98B1A0030	Muscovite	0.542	Kaolinite	0.458	93.632	1.01	1.023	R
DA98B10031	DA980031	23/09/98	EL 5061	B	DA98B1A0031	Illite	0.575	Kaolinite	0.425	54.823	1.007	1.135	R
DA98B10032	DA980032	23/09/98	EL 5061	B	DA98B1A0032	Illite	1	NULL	NULL	153.545	1	1.004	R
DA98B10033	DA980033	23/09/98	EL 5061	B	DA98B1A0033	Illite	1	NULL	NULL	91.458	0.997	1.061	R
DA98B10034	DA980034	23/09/98	EL 5061	B	DA98B1A0034	Illite	1	NULL	NULL	84.354	0.999	1.009	R
DA98B10035	DA980035	23/09/98	EL 5061	B	DA98B1A0035	Illite	1	NULL	NULL	156.252	0.996	0.985	R
DA98B10036	DA980036	23/09/98	EL 5061	B	DA98B1A0036	Illite	1	NULL	NULL	141.876	0.993	0.968	R
DA98B10037	DA980037	23/09/98	EL 5061	B	DA98B1A0037	Kaolinite	0.571	Muscovite	0.429	58.635	1.043	1.128	R
DA98B10038	DA980038	23/09/98	EL 5061	B	DA98B1A0038	Illite	0.839	Gypsum	0.161	119.943	1	0.957	R
DA98B10039	DA980039	23/09/98	EL 5061	B	DA98B1A0039	Illite	0.841	Kaolinite	0.159	23.912	0.979	1.112	R
DA98B10040	DA980040	23/09/98	EL 5061	B	DA98B1A0040	Illite	0.671	Kaolinite	0.329	38.729	1.003	1.085	R
DA98B10041	DA980041	23/09/98	EL 5061	B	DA98B1A0041	Illite	1	NULL	NULL	40.164	1.004	1.004	R
DA98B10042	DA980042	23/09/98	EL 5061	B	DA98B1A0042	Illite	1	NULL	NULL	28.156	0.999	1.078	R
DA98B10043	DA980043	23/09/98	EL 5061	B	DA98B1A0043	Paragonite	0.671	Illite	0.329	50.364	0.96	1.055	R
DA98B10044	DA980044	23/09/98	EL 5061	B	DA98B1A0044	Illite	1	NULL	NULL	156.192	0.99	0.991	R
DA98B10045	DA980045	23/09/98	EL 5061	B	DA98B1A0045	Illite	0.579	Kaolinite	0.421	104.067	1	1.026	R
DA98B10046	DA980046	23/09/98	EL 5061	B	DA98B1A0046	Illite	1	NULL	NULL	111.376	0.992	0.977	R
DA98B10047	DA980047	23/09/98	EL 5061	B	DA98B1A0047	Illite	1	NULL	NULL	67.8	1.003	1.039	R
DA98B10048	DA980048	23/09/98	EL 5061	B	DA98B1A0048	Illite	0.68	Kaolinite	0.32	67.111	0.999	1.024	R
DA98B10049	DA980049	23/09/98	EL 5061	B	DA98B1A0049	Illite	0.629	Halloysite	0.371	41.825	1.009	1.096	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98B10051	DA980051	23/09/98	EL 5061	B	DA98B1A0051	Illite	0.596	Gypsum	0.404	398.258	1.001	0.906	R
DA98B10052	DA980052	23/09/98	EL 5061	B	DA98B1A0052	Illite	0.706	Paragonite	0.294	31.176	0.977	1.088	R
DA98B10053	DA980053	23/09/98	EL 5061	B	DA98B1A0053	Illite	1	NULL	NULL	96.571	1.013	0.946	R
DA98B10200	DA980200	30/07/98	EL 5062	B	DA98B1A0200	Kaolinite	0.665	Muscovite	0.335	64.4	1.05	0	R
DA98B10201	DA980201	30/07/98	EL 5062	B	DA98B1A0201	Muscovite	1	NULL	NULL	92.62	1.01	0	R
DA98B10203	DA980203	30/07/98	EL 5062	B	DA98B1A0203	Muscovite	1	NULL	NULL	40.73	1.01	0	R
DA98B10204	DA980204	30/07/98	EL 5062	B	DA98B1A0204	Halloysite	0.777	Rubellite	0.223	328.81	0.96	0	R
DA98B10205	DA980205	30/07/98	EL 5062	B	DA98B1A0205	Halloysite	0.555	Muscovite	0.445	93.28	1.04	0	R
DA98B10206	DA980206	30/07/98	EL 5062	B	DA98B1A0206	Illite	0.69	Ankerite	0.31	265.38	1.03	0	R
DA98B10207	DA980207	30/07/98	EL 5062	B	DA98B1A0207	Illite	1	NULL	NULL	106.49	0.995	0	R
DA98B10208	DA980208	30/07/98	EL 5062	B	DA98B1A0208	Illite	0.673	Paragonite	0.327	60.95	0.999	0	R
DA98B10209	DA980209	30/07/98	EL 5062	B	DA98B1A0209	Illite	0.871	Gypsum	0.129	144.48	0.999	0	R
DA98B10210	DA980210	30/07/98	EL 5062	B	DA98B1A0210	Kaolinite	0.519	Illite	0.481	53.22	1.01	0	R
DA98B10211	DA980211	30/07/98	EL 5062	B	DA98B1A0211	Muscovite	0.642	Halloysite	0.358	77.55	1.01	0	R
DA98B10212	DA980212	30/07/98	EL 5062	B	DA98B1A0212	Kaolinite	1	NULL	NULL	97.35	1.03	0	R
DA98B10213	DA980213	30/07/98	EL 5062	B	DA98B1A0213	Illite	1	NULL	NULL	80.82	1	0	R
DA98B10214	DA980214	30/07/98	EL 5062	B	DA98B1A0214	Halloysite	1	NULL	NULL	114.38	1.03	0	R
DA98B10215	DA980215	30/07/98	EL 5062	B	DA98B1A0215	Paragonite	0.572	Muscovite	0.428	74.39	0.989	0	R
DA98B10216	DA980216	30/07/98	EL 5062	B	DA98B1A0216	Dickite	0.54	Paragonite	0.46	50.39	0.848	0	R
DA98B10217	DA980217	30/07/98	EL 5062	B	DA98B1A0217	Paragonite	0.521	Illite	0.479	30.81	0.968	0	R
DA98B10218	DA980218	30/07/98	EL 5062	B	DA98B1A0218	Dickite	0.689	Illite	0.311	46.64	0.836	0	R
DA98B10219	DA980219	30/07/98	EL 5062	B	DA98B1A0219	Illite	0.876	Gypsum	0.124	144.52	0.997	0	R
DA98B10220	DA980220	30/07/98	EL 5062	B	DA98B1A0220	Kaolinite	0.733	Paragonite	0.267	84.84	1.01	0	R
DA98B10221	DA980221	30/07/98	EL 5062	B	DA98B1A0221	Illite	1	NULL	NULL	16.5	0.988	0	R
DA98B10222	DA980222	30/07/98	EL 5062	B	DA98B1A0222	Illite	1	NULL	NULL	123.47	1	0	R
DA98B10223	DA980223	30/07/98	EL 5062	B	DA98B1A0223	Illite	1	NULL	NULL	66.11	1	0	R
DA98B10224	DA980224	30/07/98	EL 5062	B	DA98B1A0224	Illite	0.52	Kaolinite	0.48	176.23	1	0	R
DA98B10225	DA980225	31/07/98	EL 5062	B	DA98B1A0225	Paragonite	0.57	Illite	0.43	71.27	0.986	0	R
DA98B10226	DA980226	31/07/98	EL 5062	B	DA98B1A0226	Illite	0.918	Gypsum	0.0816	101.64	0.998	0	R
DA98B10227	DA980227	31/07/98	EL 5062	B	DA98B1A0227	Illite	0.883	Gypsum	0.117	85.54	1	0	R
DA98B10228	DA980228	31/07/98	EL 5062	B	DA98B1A0228	Kaolinite	1	NULL	NULL	185.52	1.01	0	R
DA98B10229	DA980229	31/07/98	EL 5062	B	DA98B1A0229	Illite	0.942	Gypsum	0.0584	39.87	1	0	R
DA98B10230	DA980230	31/07/98	EL 5062	B	DA98B1A0230	Illite	1	NULL	NULL	97.98	0.996	0	R
DA98B10231	DA980231	31/07/98	EL 5062	B	DA98B1A0231	Halloysite	0.731	Gypsum	0.269	220.49	0.996	0	R
DA98B10232	DA980232	31/07/98	EL 5062	B	DA98B1A0232	Paragonite	0.638	Muscovite	0.362	47.23	0.977	0	R
DA98B10233	DA980233	31/07/98	EL 5062	B	DA98B1A0233	Paragonite	0.532	Illite	0.468	58.1	0.986	0	R
DA98B10234	DA980234	31/07/98	EL 5062	B	DA98B1A0234	Paragonite	1	NULL	NULL	177.36	0.988	0	R
DA98B10235	DA980235	31/07/98	EL 5062	B	DA98B1A0235	NULL	NULL	NULL	NULL	NULL	1	0	R
DA98B10236	DA980236	31/07/98	EL 5062	B	DA98B1A0236	Halloysite	1	NULL	NULL	132.61	1.04	0	R
DA98B10237	DA980237	1/08/98	EL 5062	B	DA98B1A0237	Paragonite	0.845	Gypsum	0.155	153.01	0.999	0	R
DA98B10238	DA980238	1/08/98	EL 5062	B	DA98B1A0238	Kaolinite	1	NULL	NULL	153.26	1.05	0	R
DA98B10239	DA980239	1/08/98	EL 5062	B	DA98B1A0239	Paragonite	1	NULL	NULL	96	0.997	0	R
DA98B10240	DA980240	1/08/98	EL 5062	B	DA98B1A0240	Paragonite	0.547	Illite	0.453	61.49	0.986	0	R
DA98B10241	DA980241	1/08/98	EL 5062	B	DA98B1A0241	Dickite	0.602	Paragonite	0.398	103.12	0.922	0	R
DA98B10242	DA980242	1/08/98	EL 5062	B	DA98B1A0242	Paragonite	1	NULL	NULL	115.94	0.994	0	R
DA98B10243	DA980243	1/08/98	EL 5062	B	DA98B1A0243	Paragonite	0.875	Gypsum	0.125	146.59	0.987	0	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98B10244	DA980244	1/08/98	EL 5062	B	DA98B1A0244	Illite	0.872	Gypsum	0.128	124.76	0.993	0	R
DA98B10245	DA980245	1/08/98	EL 5062	B	DA98B1A0245	Illite	0.546	Paragonite	0.454	44.74	0.988	0	R
DA98B10246	DA980246	1/08/98	EL 5062	B	DA98B1A0246	Halloysite	0.866	Gypsum	0.134	277	1.02	0	R
DA98B10247	DA980247	1/08/98	EL 5061	B	DA98B1A0247	Illite	1	NULL	NULL	18.23	0.99	0	R
DA98C10248	DA980248	4/08/98	EL 5061	C	DA98C1A0248	Illite	1	NULL	NULL	47.31	0.993	0	R
DA98C10249	DA980249	4/08/98	EL 5061	C	DA98C1A0249	Illite	0.724	Paragonite	0.276	20.09	0.966	0	R
DA98C10250	DA980250	4/08/98	EL 5061	C	DA98C1A0250	Illite	0.941	Gypsum	0.0586	54.16	0.99	0	R
DA98C10251	DA980251	4/08/98	EL 5061	C	DA98C1A0251	Muscovite	0.535	Paragonite	0.465	71.12	0.999	0	R
DA98C20252	DA980252	4/08/98	EL 5061	C	DA98C2A0252	NULL	NULL	NULL	NULL	NULL	1	0	R
DA98C10252	DA980252	4/08/98	EL 5061	C	DA98C1A0252	Illite	0.811	Gypsum	0.189	304.87	0.999	0	R
DA98C10253	DA980253	4/08/98	EL 5061	C	DA98C1A0253	Illite	0.714	Paragonite	0.286	34.06	0.983	0	R
DA98C10254	DA980254	4/08/98	EL 5061	C	DA98C1A0254	Illite	0.635	Nacrite	0.365	67.95	0.981	0	R
DA98C10255	DA980255	4/08/98	EL 5061	C	DA98C1A0255	Dickite	0.741	Muscovite	0.259	62.53	0.886	0	R
DA98C10256	DA980256	4/08/98	EL 5061	C	DA98C1A0256	Illite	1	NULL	NULL	63.94	1	0	R
DA98C10257	DA980257	4/08/98	EL 5061	C	DA98C1A0257	Illite	1	NULL	NULL	33.19	1	0	R
DA98C10258	DA980258	4/08/98	EL 5061	C	DA98C1A0258	Illite	1	NULL	NULL	51.66	1	0	R
DA98C10259	DA980259	4/08/98	EL 5061	C	DA98C1A0259	Illite	0.616	Paragonite	0.384	60.33	0.984	0	R
DA98C10260	DA980260	4/08/98	EL 5061	C	DA98C1A0260	Illite	1	NULL	NULL	60.18	0.998	0	R
DA98C10261	DA980261	4/08/98	EL 5061	C	DA98C1A0261	Muscovite	0.545	Paragonite	0.455	78.45	0.99	0	R
DA98C10262	DA980262	4/08/98	EL 5061	C	DA98C1A0262	Paragonite	0.54	Muscovite	0.46	57.29	0.981	0	R
DA98C10263	DA980263	5/08/98	EL 5061	C	DA98C1A0263	Illite	1	NULL	NULL	90.06	1	0	R
DA98C10264	DA980264	5/08/98	EL 5061	C	DA98C1A0264	Illite	0.886	Gypsum	0.114	135.45	1	0	R
DA98C10265	DA980265	5/08/98	EL 5061	C	DA98C1A0265	Illite	1	NULL	NULL	61.51	0.997	0	R
DA98C10266	DA980266	5/08/98	EL 5061	C	DA98C1A0266	Illite	1	NULL	NULL	28.16	0.988	0	R
DA98C10267	DA980267	5/08/98	EL 5061	C	DA98C1A0267	Illite	0.588	Paragonite	0.412	52.8	0.986	0	R
DA98C10268	DA980268	5/08/98	EL 5061	C	DA98C1A0268	Illite	1	NULL	NULL	57.77	0.994	0	R
DA98C10269	DA980269	6/08/98	EL 5061	C	DA98C1A0269	Kaolinite	0.54	Muscovite	0.46	103.95	1.02	0	R
DA98C10270	DA980270	6/08/98	EL 5061	C	DA98C1A0270	Kaolinite	0.627	Muscovite	0.373	96.71	1.01	0	R
DA98C10271	DA980271	6/08/98	EL 5061	C	DA98C1A0271	Muscovite	0.679	Halloysite	0.321	57.61	1	0	R
DA98C10272	DA980272	6/08/98	EL 5061	C	DA98C1A0272	Illite	0.829	Gypsum	0.171	98.94	1	0	R
DA98C10273	DA980273	6/08/98	EL 5061	C	DA98C1A0273	Illite	0.786	Kaolinite	0.214	68.8	1	0	R
DA98C10274	DA980274	6/08/98	EL 5061	C	DA98C1A0274	Muscovite	0.684	Halloysite	0.316	97.55	1.01	0	R
DA98C10275	DA980275	6/08/98	EL 5061	C	DA98C1A0275	Illite	0.852	Gypsum	0.148	106.83	1	0	R
DA98C10276	DA980276	6/08/98	EL 5061	C	DA98C1A0276	Illite	0.56	Kaolinite	0.44	55.02	1.01	0	R
DA98C10277	DA980277	6/08/98	EL 5061	C	DA98C1A0277	Illite	1	NULL	NULL	102.4	0.996	0	R
DA98C10278	DA980278	6/08/98	EL 5061	C	DA98C1A0278	Illite	0.535	Kaolinite	0.465	94.31	1.01	0	R
DA98C10279	DA980279	6/08/98	EL 5061	C	DA98C1A0279	Illite	1	NULL	NULL	91.78	1	0	R
DA98C10280	DA980280	6/08/98	EL 5061	C	DA98C1A0280	Illite	1	NULL	NULL	59.37	0.998	0	R
DA98C10281	DA980281	6/08/98	EL 5061	C	DA98C1A0281	Illite	0.656	Halloysite	0.344	72.24	0.996	0	R
DA98C10282	DA980282	6/08/98	EL 5061	C	DA98C1A0282	Illite	1	NULL	NULL	64.11	0.988	0	R
DA98C10283	DA980283	6/08/98	EL 5061	C	DA98C1A0283	Illite	1	NULL	NULL	99.53	0.984	0	R
DA98C10284	DA980284	6/08/98	EL 5061	C	DA98C1A0284	Kaolinite	0.655	Illite	0.345	78.57	1.01	0	R
DA98C10285	DA980285	6/08/98	EL 5061	C	DA98C1A0285	Illite	0.746	Halloysite	0.254	46.82	1	0	R
DA98C10286	DA980286	6/08/98	EL 5061	C	DA98C1A0286	Illite	1	NULL	NULL	36.3	1	0	R
DA98C10287	DA980287	6/08/98	EL 5061	C	DA98C1A0287	Nacrite	0.515	Muscovite	0.485	28.38	0.986	0	R
DA98C10288	DA980288	6/08/98	EL 5061	C	DA98C1A0288	Nacrite	1	NULL	NULL	78.79	0.948	0	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98C10289	DA980289	7/08/98	EL 5061	C	DA98C1A0289	Nacrite	0.617	Illite	0.383	54.92	0.974	0	R
DA98C10290	DA980290	7/08/98	EL 5061	C	DA98C1A0290	Nacrite	1	NULL	NULL	166.04	0.907	0	R
DA98C10291	DA980291	7/08/98	EL 5061	C	DA98C1A0291	Nacrite	0.59	Dickite	0.41	94.87	0.914	0	R
DA98C10292	DA980292	7/08/98	EL 5061	C	DA98C1A0292	Nacrite	0.621	Dickite	0.379	97.22	0.906	0	R
DA98C10293	DA980293	7/08/98	EL 5061	C	DA98C1A0293	Nacrite	0.704	Halloysite	0.296	106.8	0.934	0	R
DA98C10294	DA980294	7/08/98	EL 5061	C	DA98C1A0294	Nacrite	1	NULL	NULL	146.5	0.924	0	R
DA98C10295	DA980295	7/08/98	EL 5061	C	DA98C1A0295	Illite	1	NULL	NULL	49.79	0.994	0	R
DA98C10296	DA980296	7/08/98	EL 5061	C	DA98C1A0296	Illite	1	NULL	NULL	82.39	1	0	R
DA98C10297	DA980297	7/08/98	EL 5061	C	DA98C1A0297	Muscovite	0.854	Halloysite	0.146	56.87	1.01	0	R
DA98C10298	DA980298	7/08/98	EL 5061	C	DA98C1A0298	Illite	1	NULL	NULL	47.35	1	0	R
DA98C10299	DA980299	7/08/98	EL 5061	C	DA98C1A0299	Illite	0.722	Halloysite	0.278	73.03	1.01	0	R
DA98C10300	DA980300	7/08/98	EL 5061	C	DA98C1A0300	Illite	1	NULL	NULL	46.62	0.971	0	R
DA98C10301	DA980301	7/08/98	EL 5061	C	DA98C1A0301	Nacrite	0.596	Dickite	0.404	151.03	0.916	0	R
DA98B10302	DA980302	25/08/98	EL 5061	B	DA98B1A0302	Muscovite	1	NULL	NULL	197.55	1	0	R
DA98B10303	DA980303	25/08/98	EL 5061	B	DA98B1A0303	Kaolinite	1	NULL	NULL	188.3	1	0	R
DA98B10304	DA980304	25/08/98	EL 5061	B	DA98B1A0304	Paragonite	1	NULL	NULL	79.8	0.966	0	R
DA98B10305	DA980305	25/08/98	EL 5062	B	DA98B1A0305	Kaolinite	0.755	Nacrite	0.245	47.43	1.01	0	R
DA98B10306	DA980306	25/08/98	EL 5062	B	DA98B1A0306	NULL	NULL	NULL	NULL	NULL	0.999	0	R
DA98B10307	DA980307	25/08/98	EL 5062	B	DA98B1A0307	Illite	0.923	Gypsum	0.0769	73.04	1	0	R
DA98B10308	DA980308	25/08/98	EL 5062	B	DA98B1A0308	Illite	0.553	Paragonite	0.447	59.19	0.992	0	R
DA98B10309	DA980309	25/08/98	EL 5062	B	DA98B1A0309	Illite	0.807	Gypsum	0.193	293.77	0.999	0	R
DA98B10310	DA980310	25/08/98	EL 5062	B	DA98B1A0310	Paragonite	0.627	Muscovite	0.373	94.94	0.996	0	R
DA98B10311	DA980311	25/08/98	EL 5062	B	DA98B1A0311	Paragonite	0.529	Muscovite	0.471	62.03	0.995	0	R
DA98B10312	DA980312	25/08/98	EL 5062	B	DA98B1A0312	Paragonite	0.556	Muscovite	0.444	101.56	0.992	0	R
DA98B10313	DA980313	25/08/98	EL 5062	B	DA98B1A0313	Illite	0.875	Gypsum	0.125	184.72	0.995	0	R
DA98B10314	DA980314	26/08/98	EL 5062	B	DA98B1A0314	Muscovite	0.555	Paragonite	0.445	29.66	0.982	0	R
DA98B10315	DA980315	26/08/98	EL 5062	B	DA98B1A0315	Paragonite	0.502	Muscovite	0.498	72.83	0.994	0	R
DA98B10316	DA980316	26/08/98	EL 5062	B	DA98B1A0316	Illite	0.908	Gypsum	0.092	83.36	1	0	R
DA98B10317	DA980317	26/08/98	EL 5062	B	DA98B1A0317	Paragonite	0.623	Muscovite	0.377	35.28	0.955	0	R
DA98B10318	DA980318	26/08/98	EL 5062	B	DA98B1A0318	Illite	0.843	Halloysite	0.157	38.12	0.999	0	R
DA98B10319	DA980319	26/08/98	EL 5062	B	DA98B1A0319	Paragonite	0.534	Illite	0.466	28.93	0.947	0	R
DA98B10320	DA980320	26/08/98	EL 5061	B	DA98B1A0320	Paragonite	0.511	Illite	0.489	47.27	0.987	0	R
DA98B10321	DA980321	26/08/98	EL 5061	B	DA98B1A0321	Illite	0.793	Halloysite	0.207	40.01	0.989	0	R
DA98B10322	DA980322	26/08/98	EL 5061	B	DA98B1A0322	Kaolinite	0.696	Muscovite	0.304	117.83	1.01	0	R
DA98B10323	DA980323	26/08/98	EL 5061	B	DA98B1A0323	Kaolinite	1	NULL	NULL	89.72	1.05	0	R
DA98B10324	DA980324	26/08/98	EL 5061	B	DA98B1A0324	Illite	1	NULL	NULL	85.13	1	0	R
DA98B10325	DA980325	26/08/98	EL 5061	B	DA98B1A0325	Illite	0.557	Paragonite	0.443	50.97	0.992	0	R
DA98B10326	DA980326	26/08/98	EL 5061	B	DA98B1A0326	Paragonite	0.552	Muscovite	0.448	83.31	0.995	0	R
DA98B10327	DA980327	26/08/98	EL 5061	B	DA98B1A0327	Kaolinite	0.578	Illite	0.422	57.85	1.02	0	R
DA98B10328	DA980328	26/08/98	EL 5061	B	DA98B1A0328	Illite	0.83	Gypsum	0.17	238.11	0.995	0	R
DA98B10329	DA980329	26/08/98	EL 5062	B	DA98B1A0329	Muscovite	0.626	Gypsum	0.374	328.11	1	0	R
DA98B10330	DA980330	26/08/98	EL 5062	B	DA98B1A0330	Kaolinite	0.659	Illite	0.341	59.58	1.04	0	R
DA98B10331	DA980331	26/08/98	EL 5062	B	DA98B1A0331	Illite	1	NULL	NULL	117.47	0.997	0	R
DA98B10332	DA980332	26/08/98	EL 5062	B	DA98B1A0332	Illite	0.816	Gypsum	0.184	326.18	1	0	R
DA98B10333	DA980333	27/08/98	EL 5062	B	DA98B1A0333	Illite	1	NULL	NULL	139.5	1.01	0	R
DA98B10334	DA980334	27/08/98	EL 5062	B	DA98B1A0334	Illite	0.702	Kaolinite	0.298	41.04	1.01	0	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98B10335	DA980335	27/08/98	EL 5062	B	DA98B1A0335	Paragonite	0.648	Muscovite	0.352	72.66	0.977	0	R
DA98B10336	DA980336	27/08/98	EL 5062	B	DA98B1A0336	Muscovite	0.535	Paragonite	0.465	80.13	0.994	0	R
DA98B10337	DA980337	27/08/98	EL 5062	B	DA98B1A0337	Illite	1	NULL	NULL	65.63	0.999	0	R
DA98B10338	DA980338	27/08/98	EL 5062	B	DA98B1A0338	Illite	0.65	Paragonite	0.35	63.82	0.99	0	R
DA98B10339	DA980339	27/08/98	EL 5062	B	DA98B1A0339	Illite	0.778	Gypsum	0.222	346.82	0.999	0	R
DA98B10340	DA980340	27/08/98	EL 5062	B	DA98B1A0340	Paragonite	0.585	Muscovite	0.415	76.43	0.991	0	R
DA98B10341	DA980341	27/08/98	EL 5062	B	DA98B1A0341	Illite	1	NULL	NULL	63.4	1	0	R
DA98B10342	DA980342	27/08/98	EL 5062	B	DA98B1A0342	Paragonite	0.772	Halloysite	0.228	51.37	0.969	0	R
DA98B10343	DA980343	27/08/98	EL 5062	B	DA98B1A0343	Paragonite	0.618	Muscovite	0.382	72.36	0.983	0	R
DA98B10344	DA980344	27/08/98	EL 5062	B	DA98B1A0344	Illite	0.55	Kaolinite	0.45	52.48	1.03	0	R
DA98B10345	DA980345	27/08/98	EL 5062	B	DA98B1A0345	Illite	0.56	Paragonite	0.44	17.95	0.942	0	R
DA98B10346	DA980346	27/08/98	EL 5062	B	DA98B1A0346	Illite	0.795	Kaolinite	0.205	63.99	0.992	0	R
DA98B10347	DA980347	27/08/98	EL 5062	B	DA98B1A0347	Illite	0.672	Paragonite	0.328	34.53	0.975	0	R
DA98B10348	DA980348	27/08/98	EL 5062	B	DA98B1A0348	Illite	0.81	Kaolinite	0.19	44.21	0.995	1.26	R
DA98B10349	DA980349	27/08/98	EL 5062	B	DA98B1A0349	Illite	1	NULL	NULL	85.23	1	1.06	R
DA98B10350	DA980350	27/08/98	EL 5061	B	DA98B1A0350	Paragonite	0.557	Muscovite	0.443	109.61	0.997	1.12	R
DA98B10351	DA980351	27/08/98	EL 5061	B	DA98B1A0351	Illite	0.563	Paragonite	0.437	22.47	0.978	1.38	R
DA98B10352	DA980352	27/08/98	EL 5061	B	DA98B1A0352	Illite	0.589	Paragonite	0.411	51.56	0.972	1.36	R
DA98B10353	DA980353	27/08/98	EL 5061	B	DA98B1A0353	Illite	0.895	Gypsum	0.105	119.76	0.997	1.09	R
DA98B10354	DA980354	27/08/98	EL 5061	B	DA98B1A0354	Illite	0.711	Paragonite	0.289	38.44	0.985	1.18	R
DA98B10355	DA980355	27/08/98	EL 5061	B	DA98B1A0355	Kaolinite	1	NULL	NULL	59.14	1.07	1.32	R
DA98B10356	DA980356	28/08/98	EL 5062	B	DA98B1A0356	Illite	0.938	Gypsum	0.062	50	0.992	1.11	R
DA98B10357	DA980357	28/08/98	EL 5061	B	DA98B1A0357	Illite	0.653	Paragonite	0.347	55.72	0.974	1.27	R
DA98B10358	DA980358	28/08/98	EL 5061	B	DA98B1A0358	Paragonite	0.546	Illite	0.454	62.51	0.982	1.23	R
DA98B10359	DA980359	28/08/98	EL 5062	B	DA98B1A0359	Paragonite	0.507	Muscovite	0.493	67.65	0.994	1.14	R
DA98B10360	DA980360	28/08/98	EL 5062	B	DA98B1A0360	Illite	1	NULL	NULL	104.56	0.998	1.09	R
DA98B10361	DA980361	28/08/98	EL 5062	B	DA98B1A0361	Paragonite	0.568	Muscovite	0.432	110.62	0.989	1.13	R
DA98B10362	DA980362	28/08/98	EL 5062	B	DA98B1A0362	Illite	0.904	Gypsum	0.0964	89.03	0.989	1.09	R
DA98B10363	DA980363	28/08/98	EL 5062	B	DA98B1A0363	Muscovite	1	NULL	NULL	65.5	1.01	1.1	R
DA98B10364	DA980364	28/08/98	EL 5062	B	DA98B1A0364	Illite	0.64	Paragonite	0.36	21.08	0.945	1.58	R
DA98B10365	DA980365	28/08/98	EL 5062	B	DA98B1A0365	Illite	0.726	Paragonite	0.274	26.24	0.99	1.31	R
DA98B10366	DA980366	28/08/98	EL 5062	B	DA98B1A0366	Illite	0.863	Kaolinite	0.137	33.33	0.987	1.28	R
DA98B10367	DA980367	28/08/98	EL 5062	B	DA98B1A0367	Illite	1	NULL	NULL	48.39	0.991	1.21	R
DA98B10368	DA980368	28/08/98	EL 5062	B	DA98B1A0368	Illite	1	NULL	NULL	102.07	0.995	1.05	R
DA98B10369	DA980369	28/08/98	EL 5062	B	DA98B1A0369	Illite	0.894	Gypsum	0.106	47.99	0.993	1.09	R
DA98B10370	DA980370	28/08/98	EL 5061	B	DA98B1A0370	Muscovite	0.513	Paragonite	0.487	60.11	0.998	1.16	R
DA98B10371	DA980371	28/08/98	EL 5061	B	DA98B1A0371	Illite	1	NULL	NULL	124.16	0.999	1.03	R
DA98B10372	DA980372	28/08/98	EL 5061	B	DA98B1A0372	NULL	NULL	NULL	NULL	NULL	0.995	1.02	R
DA98B10373	DA980373	28/08/98	EL 5061	B	DA98B1A0373	Illite	0.69	Paragonite	0.31	51.17	0.978	1.23	R
DA98B10374	DA980374	28/08/98	EL 5061	B	DA98B1A0374	Illite	0.554	Paragonite	0.446	55.06	0.987	1.11	R
DA98B10375	DA980375	28/08/98	EL 5061	B	DA98B1A0375	Illite	1	NULL	NULL	222.92	1	1.06	R
DA98B10376	DA980376	29/08/98	EL 5062	B	DA98B1A0376	Dickite	0.574	Illite	0.426	74.56	0.932	1.17	R
DA98B10377	DA980377	29/08/98	EL 5062	B	DA98B1A0377	Illite	0.695	Dickite	0.305	58.92	0.949	1.15	R
DA98B10378	DA980378	29/08/98	EL 5062	B	DA98B1A0378	Illite	0.654	Paragonite	0.346	35.32	0.982	1.18	R
DA98B10379	DA980379	29/08/98	EL 5062	B	DA98B1A0379	Illite	0.699	Paragonite	0.301	47.97	0.994	1.21	R
DA98B10380	DA980380	29/08/98	EL 5062	B	DA98B1A0380	Illite	0.663	Paragonite	0.337	27.8	0.982	1.26	R

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DA98B10381	DA980381	29/08/98	EL 5062	B	DA98B1A0381	Illite	0.525	Paragonite	0.475	45.23	0.987	1.16	R
DA98B10382	DA980382	29/08/98	EL 5061	B	DA98B1A0382	Illite	0.78	Kaolinite	0.22	69.72	0.988	1.16	R
DA98B10383	DA980383	29/08/98	EL 5061	B	DA98B1A0383	Illite	0.726	Paragonite	0.274	42.28	0.993	1.18	R
DA98B10384	DA980384	29/08/98	EL 5061	B	DA98B1A0384	Paragonite	0.618	Muscovite	0.382	39.59	0.959	1.4	R
DA98B10385	DA980385	29/08/98	EL 5061	B	DA98B1A0385	Illite	1	NULL	NULL	170.29	0.996	1.13	R
DA98B10386	DA980386	29/08/98	EL 5061	B	DA98B1A0386	Kaolinite	0.576	Halloysite	0.424	47.53	1.02	1.31	R
DA98B10387	DA980387	29/08/98	EL 5062	B	DA98B1A0387	Illite	0.682	Kaolinite	0.318	57.57	1.01	1.16	R
DA98B10388	DA980388	29/08/98	EL 5062	B	DA98B1A0388	Illite	1	NULL	NULL	59.96	0.996	1.07	R
DA98B10389	DA980389	29/08/98	EL 5062	B	DA98B1A0389	Illite	1	NULL	NULL	58.19	0.988	1.2	R
DA98B10390	DA980390	29/08/98	EL 5062	B	DA98B1A0390	Illite	0.949	Gypsum	0.0507	30.45	0.995	1.22	R
DA98B10391	DA980391	29/08/98	EL 5062	B	DA98B1A0391	Illite	0.707	Paragonite	0.293	24.47	0.975	1.32	R
DA98B10392	DA980392	29/08/98	EL 5062	B	DA98B1A0392	Illite	1	NULL	NULL	64.54	0.998	1.09	R
DA98B10393	DA980393	29/08/98	EL 5062	B	DA98B1A0393	Illite	0.791	Kaolinite	0.209	77.06	1	1.1	R
DA98B10394	DA980394	29/08/98	EL 5062	B	DA98B1A0394	Kaolinite	0.532	Illite	0.468	66.61	1.02	1.12	R
DA98B10395	DA980395	29/08/98	EL 5062	B	DA98B1A0395	Illite	0.67	Gypsum	0.33	120.84	0.999	1.02	R
DA98B10396	DA980396	29/08/98	EL 5062	B	DA98B1A0396	Illite	0.596	Paragonite	0.404	63.04	0.989	1.13	R
DA98B10397	DA980397	29/08/98	EL 5061	B	DA98B1A0397	Illite	1	NULL	NULL	92.69	0.99	1.15	R
DA98C10398	DA980398	30/08/98	EL 5061	C	DA98C1A0398	Kaolinite	1	NULL	NULL	75.76	1.07	1.53	R
DA98C10399	DA980399	30/08/98	EL 5061	C	DA98C1A0399	Kaolinite	1	NULL	NULL	167.26	1.02	1.13	R
DA98B10400	DA980400	30/07/98	EL 5062	B	DA98B1A0400	Paragonite	0.588	Halloysite	0.412	95.21	1	0	R
DA98B10401	DA980401	30/07/98	EL 5062	B	DA98B1A0401	Illite	1	NULL	NULL	109.81	1	0	R
DA98B10402	DA980402	30/07/98	EL 5062	B	DA98B1A0402	Illite	0.825	Gypsum	0.175	336.41	0.999	0	R
DA98B10403	DA980403	30/07/98	EL 5062	B	DA98B1A0403	Illite	1	NULL	NULL	39.18	0.999	0	R
DA98B10404	DA980404	30/07/98	EL 5062	B	DA98B1A0404	Illite	1	NULL	NULL	73.54	0.992	0	R
DA98B10405	DA980405	30/07/98	EL 5062	B	DA98B1A0405	Halloysite	0.544	Muscovite	0.456	107.14	1.02	0	R
DA98B10406	DA980406	31/07/98	EL 5062	B	DA98B1A0406	Paragonite	1	NULL	NULL	54.52	0.968	0	R
DA98B10407	DA980407	31/07/98	EL 5062	B	DA98B1A0407	Paragonite	1	NULL	NULL	49.5	0.94	0	R
DA98B10408	DA980408	31/07/98	EL 5062	B	DA98B1A0408	Paragonite	1	NULL	NULL	124.71	0.995	0	R
DA98B10409	DA980409	31/07/98	EL 5062	B	DA98B1A0409	Illite	1	NULL	NULL	67.96	0.994	0	R
DA98B10410	DA980410	31/07/98	EL 5062	B	DA98B1A0410	NULL	NULL	NULL	NULL	NULL	1	0	R
DA98B10411	DA980411	31/07/98	EL 5062	B	DA98B1A0411	Cerussite	0.639	Paragonite	0.361	243.55	1	0	R
DA98B10412	DA980412	31/07/98	EL 5062	B	DA98B1A0412	Muscovite	1	NULL	NULL	32.19	1	0	R
DA98B10413	DA980413	31/07/98	EL 5062	B	DA98B1A0413	Nacrite	0.593	Illite	0.407	119.77	0.916	0	R
DA98B10414	DA980414	31/07/98	EL 5062	B	DA98B1A0414	Paragonite	0.742	Halloysite	0.258	71.89	0.986	0	R
DA98B10415	DA980415	31/07/98	EL 5062	B	DA98B1A0415	Illite	0.925	Gypsum	0.0753	55.23	1	0	R
DA98B10416	DA980416	31/07/98	EL 5062	B	DA98B1A0416	NULL	NULL	NULL	NULL	NULL	1.01	0	R
DA98B10417	DA980417	31/07/98	EL 5062	B	DA98B1A0417	Paragonite	1	NULL	NULL	101.54	0.989	0	R
DA98B10418	DA980418	25/08/98	EL 5061	B	DA98B1A0418	Halloysite	1	NULL	NULL	193.32	1.02	1.22	R
DA98B10419	DA980419	25/08/98	EL 5061	B	DA98B1A0419	Illite	1	NULL	NULL	235.87	1	1.07	R
DA98B10420	DA980420	25/08/98	EL 5061	B	DA98B1A0420	Illite	0.87	Gypsum	0.13	138.24	0.998	1.1	R
DA98B10421	DA980421	25/08/98	EL 5062	B	DA98B1A0421	NULL	NULL	NULL	NULL	NULL	1.01	1.02	R
DA98B10422	DA980422	25/08/98	EL 5062	B	DA98B1A0422	Halloysite	0.806	Gypsum	0.194	324.49	1.01	1.08	R
DA98B10423	DA980423	25/08/98	EL 5062	B	DA98B1A0423	Illite	0.89	Gypsum	0.11	66.76	1	1.09	R
DA98B10424	DA980424	25/08/98	EL 5062	B	DA98B1A0424	Illite	0.917	Gypsum	0.0827	91.1	0.992	1.11	R
DA98B10425	DA980425	25/08/98	EL 5062	B	DA98B1A0425	Gypsum	0.801	Topaz	0.199	578.6	1.01	1.12	R
DA98B10426	DA980426	25/08/98	EL 5062	B	DA98B1A0426	Illite	0.787	Kaolinite	0.213	70.82	0.995	1.13	R

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DA98B10427	DA980427	25/08/98	EL 5062	B	DA98B1A0427	Paragonite	0.632	Illite	0.368	49.72	0.971	1.25	R
DA98B10428	DA980428	25/08/98	EL 5062	B	DA98B1A0428	Paragonite	0.643	Illite	0.357	39.09	0.972	1.26	R
DA98B10429	DA980429	25/08/98	EL 5062	B	DA98B1A0429	NULL	NULL	NULL	NULL	NULL	1.01	1.04	R
DA98B10430	DA980430	25/08/98	EL 5062	B	DA98B1A0430	Illite	0.568	Paragonite	0.432	65.56	0.992	1.19	R
DA98B10431	DA980431	26/08/98	EL 5062	B	DA98B1A0431	Illite	0.903	Gypsum	0.0974	132.46	0.997	1.07	R
DA98B10432	DA980432	26/08/98	EL 5062	B	DA98B1A0432	Illite	1	NULL	NULL	34.11	1	1.04	R
DA98B10433	DA980433	26/08/98	EL 5062	B	DA98B1A0433	Illite	0.54	Paragonite	0.46	46.69	0.981	1.17	R
DA98B10434	DA980434	26/08/98	EL 5062	B	DA98B1A0434	Paragonite	0.544	Illite	0.456	41.72	0.962	1.33	R
DA98B10435	DA980435	26/08/98	EL 5062	B	DA98B1A0435	Paragonite	0.503	Phengite	0.497	138.33	1	1.25	R
DA98B10436	DA980436	26/08/98	EL 5062	B	DA98B1A0436	Paragonite	0.861	Gypsum	0.139	223.71	0.996	1.04	R
DA98B10437	DA980437	26/08/98	EL 5062	B	DA98B1A0437	NULL	NULL	NULL	NULL	NULL	1.01	1.02	R
DA98B10438	DA980438	26/08/98	EL 5061	B	DA98B1A0438	Halloysite	0.572	Paragonite	0.428	111.08	1.01	1.13	R
DA98B10439	DA980439	26/08/98	EL 5061	B	DA98B1A0439	Illite	0.916	Gypsum	0.0843	67.3	1.01	1.08	R
DA98B10440	DA980440	26/08/98	EL 5061	B	DA98B1A0440	Halloysite	0.53	Muscovite	0.47	94.98	1.04	1.18	R
DA98B10441	DA980441	26/08/98	EL 5061	B	DA98B1A0441	Illite	1	NULL	NULL	64.53	0.991	1.11	R
DA98B10442	DA980442	26/08/98	EL 5061	B	DA98B1A0442	Paragonite	0.613	Muscovite	0.387	86.23	0.988	1.14	R
DA98B10443	DA980443	26/08/98	EL 5061	B	DA98B1A0443	Paragonite	1	NULL	NULL	139.08	0.988	1.1	R
DA98B10444	DA980444	26/08/98	EL 5061	B	DA98B1A0444	Paragonite	1	NULL	NULL	136.85	0.991	1.1	R
DA98B10445	DA980445	26/08/98	EL 5061	B	DA98B1A0445	Paragonite	1	NULL	NULL	151.65	0.992	1.08	R
DA98B10446	DA980446	26/08/98	EL 5061	B	DA98B1A0446	Illite	0.656	Paragonite	0.344	34.14	0.982	1.22	R
DA98B10447	DA980447	26/08/98	EL 5062	B	DA98B1A0447	Kaolinite	0.593	Illite	0.407	76.95	1.03	1.25	R
DA98B10448	DA980448	26/08/98	EL 5062	B	DA98B1A0448	Illite	1	NULL	NULL	153.86	1	1.12	R
DA98B10449	DA980449	26/08/98	EL 5062	B	DA98B1A0449	Kaolinite	0.583	Illite	0.417	98.06	1.02	1.19	R
DA98B10450	DA980450	26/08/98	EL 5062	B	DA98B1A0450	Illite	0.509	Paragonite	0.491	57.41	0.985	1.12	R
DA98B10451	DA980451	27/08/98	EL 5062	B	DA98B1A0451	Kaolinite	0.592	Paragonite	0.408	198.87	0.996	1.11	R
DA98B10452	DA980452	27/08/98	EL 5062	B	DA98B1A0452	Paragonite	0.61	Illite	0.39	23.85	0.934	1.39	R
DA98B10453	DA980453	27/08/98	EL 5062	B	DA98B1A0453	Illite	1	NULL	NULL	41.95	0.997	1.17	R
DA98B10454	DA980454	27/08/98	EL 5062	B	DA98B1A0454	Paragonite	0.616	Halloysite	0.384	104.08	0.998	1.13	R
DA98B10455	DA980455	27/08/98	EL 5062	B	DA98B1A0455	Illite	0.657	Paragonite	0.343	20.55	0.969	1.25	R
DA98B10456	DA980456	27/08/98	EL 5062	B	DA98B1A0456	Paragonite	0.567	Muscovite	0.433	33.61	0.954	1.36	R
DA98B10457	DA980457	27/08/98	EL 5062	B	DA98B1A0457	Illite	0.521	Paragonite	0.479	27.66	0.966	1.29	R
DA98B10458	DA980458	27/08/98	EL 5062	B	DA98B1A0458	Paragonite	1	NULL	NULL	83.75	0.999	1.06	R
DA98B10459	DA980459	27/08/98	EL 5062	B	DA98B1A0459	Paragonite	0.528	Illite	0.472	34.55	0.957	1.4	R
DA98B10460	DA980460	27/08/98	EL 5062	B	DA98B1A0460	Paragonite	0.566	Muscovite	0.434	92.51	0.996	1.11	R
DA98B10461	DA980461	27/08/98	EL 5062	B	DA98B1A0461	Paragonite	0.768	Halloysite	0.232	42.57	0.974	1.36	R
DA98B10462	DA980462	27/08/98	EL 5062	B	DA98B1A0462	Paragonite	0.521	Muscovite	0.479	65.36	0.989	1.12	R
DA98B10463	DA980463	27/08/98	EL 5062	B	DA98B1A0463	Illite	0.698	Kaolinite	0.302	78.11	1.01	1.17	R
DA98B10464	DA980464	27/08/98	EL 5062	B	DA98B1A0464	Paragonite	0.548	Muscovite	0.452	42.17	0.983	1.17	R
DA98B10465	DA980465	27/08/98	EL 5062	B	DA98B1A0465	Illite	0.616	Paragonite	0.384	44.04	0.973	1.18	R
DA98B10466	DA980466	27/08/98	EL 5062	B	DA98B1A0466	Illite	0.513	Paragonite	0.487	88.19	0.987	1.11	R
DA98B10467	DA980467	27/08/98	EL 5062	B	DA98B1A0467	Illite	0.55	Paragonite	0.45	29.8	0.953	1.37	R
DA98B10468	DA980468	27/08/98	EL 5062	B	DA98B1A0468	Illite	0.578	Paragonite	0.422	77.79	0.994	1.07	R
DA98B10469	DA980469	27/08/98	EL 5061	B	DA98B1A0469	Paragonite	0.627	Muscovite	0.373	97.6	0.991	1.1	R
DA98B10470	DA980470	27/08/98	EL 5061	B	DA98B1A0470	Illite	0.572	Paragonite	0.428	53.5	0.99	1.17	R
DA98B10471	DA980471	27/08/98	EL 5061	B	DA98B1A0471	Paragonite	0.539	Illite	0.461	73.8	0.99	1.12	R
DA98B10472	DA980472	27/08/98	EL 5061	B	DA98B1A0472	Paragonite	0.71	Halloysite	0.29	50.19	0.941	1.33	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98B10473	DA980473	27/08/98	EL 5061	B	DA98B1A0473	Paragonite	0.519	Illite	0.481	61.35	0.97	1.14	R
DA98B10474	DA980474	27/08/98	EL 5061	B	DA98B1A0474	Illite	0.508	Paragonite	0.492	100.28	0.995	1.1	R
DA98B10475	DA980475	27/08/98	EL 5061	B	DA98B1A0475	Halloysite	0.633	Nacrite	0.367	93	1.02	1.27	R
DA98B10476	DA980476	28/08/98	EL 5062	B	DA98B1A0476	Paragonite	0.689	Halloysite	0.311	51.26	0.985	1.21	R
DA98B10477	DA980477	28/08/98	EL 5061	B	DA98B1A0477	Paragonite	0.606	Illite	0.394	45.88	0.968	1.24	R
DA98B10478	DA980478	28/08/98	EL 5061	B	DA98B1A0478	Paragonite	0.853	Halloysite	0.147	38.86	0.959	1.3	R
DA98B10479	DA980479	28/08/98	EL 5061	B	DA98B1A0479	NULL	NULL	NULL	NULL	NULL	0.999	1.01	R
DA98B10480	DA980480	28/08/98	EL 5062	B	DA98B1A0480	Paragonite	0.583	Illite	0.417	37.68	0.963	1.27	R
DA98B10481	DA980481	28/08/98	EL 5062	B	DA98B1A0481	Paragonite	0.591	Illite	0.409	25.73	0.956	1.24	R
DA98B10482	DA980482	28/08/98	EL 5062	B	DA98B1A0482	Illite	1	NULL	NULL	91.32	1	1.11	R
DA98B10483	DA980483	28/08/98	EL 5062	B	DA98B1A0483	Illite	1	NULL	NULL	39.97	0.992	1.14	R
DA98B10484	DA980484	28/08/98	EL 5062	B	DA98B1A0484	Paragonite	0.638	Muscovite	0.362	80.5	0.991	1.11	R
DA98B10485	DA980485	28/08/98	EL 5062	B	DA98B1A0485	Illite	0.56	Paragonite	0.44	54.64	0.988	1.15	R
DA98B10486	DA980486	28/08/98	EL 5062	B	DA98B1A0486	Paragonite	0.62	Illite	0.38	51.38	0.974	1.26	R
DA98B10487	DA980487	28/08/98	EL 5062	B	DA98B1A0487	Illite	0.511	Paragonite	0.489	34.78	0.946	1.51	R
DA98B10488	DA980488	28/08/98	EL 5062	B	DA98B1A0488	Paragonite	0.549	Illite	0.451	93.48	0.985	1.11	R
DA98B10489	DA980489	28/08/98	EL 5062	B	DA98B1A0489	Paragonite	0.558	Illite	0.442	35.25	0.963	1.23	R
DA98B10490	DA980490	28/08/98	EL 5062	B	DA98B1A0490	Paragonite	0.528	Illite	0.472	34.67	0.974	1.18	R
DA98B10491	DA980491	28/08/98	EL 5061	B	DA98B1A0491	Paragonite	0.596	Muscovite	0.404	51.07	0.983	1.19	R
DA98B10492	DA980492	28/08/98	EL 5061	B	DA98B1A0492	Paragonite	0.625	Halloysite	0.375	39.47	0.973	1.22	R
DA98B10493	DA980493	28/08/98	EL 5061	B	DA98B1A0493	Paragonite	0.861	Gypsum	0.139	177.4	0.999	1.06	R
DA98B10494	DA980494	28/08/98	EL 5061	B	DA98B1A0494	Paragonite	0.643	Halloysite	0.357	58.89	0.989	1.2	R
DA98B10495	DA980495	28/08/98	EL 5061	B	DA98B1A0495	Illite	0.516	Paragonite	0.484	46.92	0.952	1.22	R
DA98B10496	DA980496	28/08/98	EL 5061	B	DA98B1A0496	Paragonite	1	NULL	NULL	139.12	0.983	1.11	R
DA98B10497	DA980497	28/08/98	EL 5061	B	DA98B1A0497	Illite	0.859	Gypsum	0.141	172.88	0.997	1.05	R
DA98B10498	DA980498	29/08/98	EL 5062	B	DA98B1A0498	Muscovite	0.515	Paragonite	0.485	80.24	0.993	1.15	R
DA98B10499	DA980499	29/08/98	EL 5062	B	DA98B1A0499	Illite	0.58	Paragonite	0.42	20.66	0.971	1.28	R
DA98B10500	DA980500	29/08/98	EL 5062	B	DA98B1A0500	Illite	0.533	Paragonite	0.467	39.52	0.963	1.24	R
DA98B10501	DA980501	29/08/98	EL 5062	B	DA98B1A0501	Paragonite	0.567	Illite	0.433	68.31	0.978	1.14	R
DA98B10502	DA980502	29/08/98	EL 5062	B	DA98B1A0502	Illite	0.62	Paragonite	0.38	18.87	0.969	1.28	R
DA98B10503	DA980503	29/08/98	EL 5062	B	DA98B1A0503	Illite	0.658	Paragonite	0.342	49.96	0.999	1.15	R
DA98B10504	DA980504	29/08/98	EL 5062	B	DA98B1A0504	Illite	0.502	Paragonite	0.498	19.2	0.958	1.31	R
DA98B10505	DA980505	29/08/98	EL 5061	B	DA98B1A0505	Paragonite	0.589	Illite	0.411	48.35	0.967	1.22	R
DA98B10506	DA980506	29/08/98	EL 5061	B	DA98B1A0506	Illite	0.638	Paragonite	0.362	55.11	0.997	1.14	R
DA98B10507	DA980507	29/08/98	EL 5061	B	DA98B1A0507	Paragonite	0.599	Illite	0.401	56.74	0.98	1.16	R
DA98B10508	DA980508	29/08/98	EL 5061	B	DA98B1A0508	Illite	0.778	Phengite	0.222	22.67	0.992	1.19	R
DA98B10509	DA980509	29/08/98	EL 5062	B	DA98B1A0509	Paragonite	0.649	Halloysite	0.351	90.2	0.995	1.16	R
DA98B10510	DA980510	29/08/98	EL 5062	B	DA98B1A0510	Paragonite	0.53	Illite	0.47	39.99	0.975	1.17	R
DA98B10511	DA980511	29/08/98	EL 5062	B	DA98B1A0511	Paragonite	0.514	Illite	0.486	25.09	0.956	1.31	R
DA98B10512	DA980512	29/08/98	EL 5062	B	DA98B1A0512	Paragonite	0.636	Illite	0.364	46.08	0.948	1.32	R
DA98B10513	DA980513	29/08/98	EL 5062	B	DA98B1A0513	Illite	0.553	Dickite	0.447	77.51	0.917	1.31	R
DA98B10514	DA980514	29/08/98	EL 5062	B	DA98B1A0514	Illite	0.838	Gypsum	0.162	88.6	0.996	1.06	R
DA98B10515	DA980515	29/08/98	EL 5062	B	DA98B1A0515	Illite	0.553	Paragonite	0.447	83.85	0.988	1.12	R
DA98B10516	DA980516	29/08/98	EL 5062	B	DA98B1A0516	Illite	0.699	Paragonite	0.301	44.31	0.996	1.13	R
DA98B10517	DA980517	29/08/98	EL 5062	B	DA98B1A0517	Paragonite	0.621	Muscovite	0.379	74.31	0.992	1.11	R
DA98B10518	DA980518	29/08/98	EL 5061	B	DA98B1A0518	Illite	0.524	Paragonite	0.476	28.27	0.961	1.32	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98C30610	DA980610	9/09/98	EL 5061	C	DA98C3A0610	NULL	NULL	NULL	NULL	NULL	1.02	0.667	D
DA98B10613	DA980613	10/09/98	EL 5061	B	DA98B1A0613	Illite	0.7	Kaolinite	0.3	53.28	1.01	1.24	R
DA98B10614	DA980614	10/09/98	EL 5061	B	DA98B1A0614	Illite	0.87	Gypsum	0.13	50.78	1.01	1.1	R
DA98B10615	DA980615	10/09/98	EL 5061	B	DA98B1A0615	Muscovite	0.536	Paragonite	0.464	60.77	0.998	1.13	R
DA98B10616	DA980616	10/09/98	EL 5061	B	DA98B1A0616	Illite	0.543	Paragonite	0.457	61.05	0.988	1.14	R
DA98B10617	DA980617	10/09/98	EL 5061	B	DA98B1A0617	Kaolinite	0.669	Illite	0.331	65.62	1.02	1.21	R
DA98B10618	DA980618	10/09/98	EL 5061	B	DA98B1A0618	Illite	1	NULL	NULL	195.54	0.994	1.1	R
DA98B10619	DA980619	10/09/98	EL 5061	B	DA98B1A0619	Muscovite	0.659	Kaolinite	0.341	164.46	1.01	1.08	R
DA98B10620	DA980620	10/09/98	EL 5061	B	DA98B1A0620	Illite	0.593	Halloysite	0.407	56.29	0.997	1.17	R
DA98B10621	DA980621	10/09/98	EL 5061	B	DA98B1A0621	Kaolinite	0.556	Muscovite	0.444	86.62	1.01	1.2	R
DA98B10622	DA980622	10/09/98	EL 5062	B	DA98B1A0622	Illite	0.934	Gypsum	0.0661	48.08	0.993	1.12	R
DA98B10623	DA980623	10/09/98	EL 5061	B	DA98B1A0623	Illite	0.868	Dickite	0.132	32.71	0.939	1.34	R
DA98B10624	DA980624	10/09/98	EL 5061	B	DA98B1A0624	Illite	0.625	Paragonite	0.375	47.86	0.986	1.18	R
DA98B10625	DA980625	10/09/98	EL 5061	B	DA98B1A0625	Paragonite	1	NULL	NULL	180.49	1	1.05	R
DA98B10626	DA980626	10/09/98	EL 5061	B	DA98B1A0626	Muscovite	0.563	Paragonite	0.437	52.28	0.993	1.19	R
DA98B10627	DA980627	10/09/98	EL 5061	B	DA98B1A0627	Paragonite	0.522	Muscovite	0.478	103.36	0.988	1.1	R
DA98B10628	DA980628	10/09/98	EL 5061	B	DA98B1A0628	Paragonite	0.51	Muscovite	0.49	50.88	0.992	1.15	R
DA98B10629	DA980629	10/09/98	EL 5061	B	DA98B1A0629	Illite	0.64	Paragonite	0.36	32.8	0.984	1.27	R
DA98B10630	DA980630	10/09/98	EL 5061	B	DA98B1A0630	Paragonite	0.578	Muscovite	0.422	122.77	0.992	1.11	R
DA98B10631	DA980631	10/09/98	EL 5061	B	DA98B1A0631	Kaolinite	0.659	Illite	0.341	59.99	1.02	1.28	R
DA98B10632	DA980632	10/09/98	EL 5061	B	DA98B1A0632	Illite	1	NULL	NULL	52.29	1	1.09	R
DA98B10633	DA980633	11/09/98	EL 5062	B	DA98B1A0633	NULL	NULL	NULL	NULL	NULL	1	1.03	R
DA98B10634	DA980634	11/09/98	EL 5062	B	DA98B1A0634	Dickite	0.506	Illite	0.494	68.12	0.865	1.32	R
DA98B10635	DA980635	11/09/98	EL 5062	B	DA98B1A0635	Illite	0.645	Paragonite	0.355	38.61	0.972	1.21	R
DA98B10636	DA980636	11/09/98	EL 5062	B	DA98B1A0636	Illite	0.914	Gypsum	0.0864	83.27	1	1.11	R
DA98B10637	DA980637	11/09/98	EL 5062	B	DA98B1A0637	Dickite	0.617	Illite	0.383	31.41	0.773	1.47	R
DA98B10638	DA980638	11/09/98	EL 5062	B	DA98B1A0638	Illite	1	NULL	NULL	65.37	0.997	1.18	R
DA98B10639	DA980639	11/09/98	EL 5062	B	DA98B1A0639	Muscovite	0.5	Paragonite	0.5	94.31	0.986	1.23	R
DA98B10640	DA980640	11/09/98	EL 5062	B	DA98B1A0640	Illite	1	NULL	NULL	106.56	1	1.12	R
DA98B10641	DA980641	11/09/98	EL 5062	B	DA98B1A0641	Muscovite	0.569	Paragonite	0.431	151.79	0.997	1.13	R
DA98B10642	DA980642	11/09/98	EL 5062	B	DA98B1A0642	Dickite	1	NULL	NULL	98.24	0.915	1.14	R
DA98B10643	DA980643	11/09/98	EL 5062	B	DA98B1A0643	Illite	0.508	Paragonite	0.492	34.92	0.951	1.38	R
DA98B10644	DA980644	11/09/98	EL 5062	B	DA98B1A0644	Illite	1	NULL	NULL	57.92	0.998	1.17	R
DA98B10645	DA980645	11/09/98	EL 5062	B	DA98B1A0645	Illite	0.769	Kaolinite	0.231	52.68	0.988	1.24	R
DA98B10646	DA980646	11/09/98	EL 5062	B	DA98B1A0646	Illite	0.571	Kaolinite	0.429	77.92	1.04	1.24	R
DA98B10647	DA980647	11/09/98	EL 5062	B	DA98B1A0647	Muscovite	0.504	Paragonite	0.496	61.64	0.99	1.19	R
DA98B10648	DA980648	12/09/98	EL 5062	B	DA98B1A0648	Gypsum	1	NULL	NULL	194.85	0.997	1.04	R
DA98B10649	DA980649	12/09/98	EL 5062	B	DA98B1A0649	NULL	NULL	NULL	NULL	NULL	0.998	1.01	R
DA98B10650	DA980650	12/09/98	EL 5061	B	DA98B1A0650	Illite	0.874	Gypsum	0.126	185.52	0.994	1.08	R
DA98B10651	DA980651	12/09/98	EL 5061	B	DA98B1A0651	Illite	0.885	Gypsum	0.115	134.24	0.999	1.09	R
DA98B10652	DA980652	12/09/98	EL 5061	B	DA98B1A0652	Paragonite	0.522	Illite	0.478	63.95	0.979	1.21	R
DA98B10653	DA980653	12/09/98	EL 5061	B	DA98B1A0653	Kaolinite	1	NULL	NULL	53.34	1.08	1.46	R
DA98B10654	DA980654	12/09/98	EL 5062	B	DA98B1A0654	Muscovite	0.507	Paragonite	0.493	85.95	0.987	1.24	R
DA98B10655	DA980655	12/09/98	EL 5062	B	DA98B1A0655	Illite	0.594	Dickite	0.406	66.28	0.829	1.44	R
DA98B10656	DA980656	12/09/98	EL 5062	B	DA98B1A0656	Dickite	1	NULL	NULL	166.93	0.91	1.15	R
DA98B10657	DA980657	12/09/98	EL 5062	B	DA98B1A0657	Paragonite	0.514	Illite	0.486	83.7	0.988	1.16	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98B10658	DA980658	12/09/98	EL 5062	B	DA98B1A0658	Illite	0.573	Paragonite	0.427	48.77	0.982	1.2	R
DA98B10659	DA980659	12/09/98	EL 5062	B	DA98B1A0659	Illite	0.904	Gypsum	0.0956	118.64	0.991	1.13	R
DA98B10660	DA980660	12/09/98	EL 5062	B	DA98B1A0660	Muscovite	0.52	Paragonite	0.48	70.75	0.987	1.21	R
DA98B10661	DA980661	12/09/98	EL 5062	B	DA98B1A0661	Dickite	0.692	Illite	0.308	70.48	0.858	1.32	R
DA98B10662	DA980662	12/09/98	EL 5062	B	DA98B1A0662	Illite	0.658	Paragonite	0.342	50.47	0.99	1.15	R
DA98B10663	DA980663	12/09/98	EL 5062	B	DA98B1A0663	Illite	0.625	Gypsum	0.375	189.89	0.998	1.02	R
DA98B10664	DA980664	12/09/98	EL 5062	B	DA98B1A0664	Illite	0.873	Gypsum	0.127	204.95	1	1.07	R
DA98B10665	DA980665	12/09/98	EL 5062	B	DA98B1A0665	Illite	0.526	Paragonite	0.474	87.8	1	1.12	R
DA98B10666	DA980666	12/09/98	EL 5061	B	DA98B1A0666	Illite	0.515	Paragonite	0.485	59.93	0.988	1.17	R
DA98B10667	DA980667	12/09/98	EL 5061	B	DA98B1A0667	Illite	0.89	Gypsum	0.11	113.85	0.999	1.08	R
DA98B10668	DA980668	12/09/98	EL 5061	B	DA98B1A0668	Muscovite	0.506	Paragonite	0.494	46.09	0.991	1.22	R
DA98B10669	DA980669	12/09/98	EL 5061	B	DA98B1A0669	Illite	1	NULL	NULL	139.8	0.993	1.1	R
DA98B10670	DA980670	12/09/98	EL 5061	B	DA98B1A0670	Illite	1	NULL	NULL	116.65	0.995	1.12	R
DA98B10671	DA980671	12/09/98	EL 5061	B	DA98B1A0671	Paragonite	0.571	Muscovite	0.429	130.54	0.993	1.09	R
DA98C20674	DA980674	13/09/98	EL 5061	C	DA98C2A0674	Kaolinite	0.543	Montmorillonite	0.457	120.19	1.031	0.811	D
DA98B10675	DA980675	20/09/98	EL 5062	B	DA98B1A0675	Paragonite	0.506	Muscovite	0.494	37.061	0.982	1.097	R
DA98B10676	DA980676	20/09/98	EL 5062	B	DA98B1A0676	Illite	0.553	Dickite	0.447	30.245	0.854	1.225	R
DA98B10677	DA980677	20/09/98	EL 5062	B	DA98B1A0677	Illite	0.823	Dickite	0.177	49.014	0.911	1.185	R
DA98B10678	DA980678	20/09/98	EL 5062	B	DA98B1A0678	Illite	1	NULL	NULL	156.939	0.998	0.982	R
DA98B10679	DA980679	20/09/98	EL 5062	B	DA98B1A0679	NULL	NULL	NULL	NULL	NULL	0.994	0.961	R
DA98B10680	DA980680	20/09/98	EL 5061	B	DA98B1A0680	Illite	0.628	Paragonite	0.372	56.002	0.994	1.04	R
DA98B10681	DA980681	20/09/98	EL 5061	B	DA98B1A0681	Illite	0.7	Kaolinite	0.3	71.057	0.998	0.995	R
DA98B10682	DA980682	20/09/98	EL 5061	B	DA98B1A0682	Illite	0.842	Kaolinite	0.158	44.544	0.996	1.202	R
DA98B10683	DA980683	20/09/98	EL 5061	B	DA98B1A0683	Illite	0.649	Kaolinite	0.351	68.141	0.997	1.026	R
DA98B10684	DA980684	20/09/98	EL 5061	B	DA98B1A0684	Illite	1	NULL	NULL	93.025	0.999	0.992	R
DA98B10685	DA980685	20/09/98	EL 5061	B	DA98B1A0685	Illite	0.66	Kaolinite	0.34	109.52	1.005	0.994	R
DA98B10686	DA980686	20/09/98	EL 5061	B	DA98B1A0686	Illite	0.729	Paragonite	0.271	37.225	0.991	1.055	R
DA98B10687	DA980687	20/09/98	EL 5061	B	DA98B1A0687	Illite	1	NULL	NULL	114.058	0.997	0.971	R
DA98B10688	DA980688	20/09/98	EL 5061	B	DA98B1A0688	Muscovite	0.543	Paragonite	0.457	91.791	0.995	1.002	R
DA98B10689	DA980689	20/09/98	EL 5061	B	DA98B1A0689	Illite	1	NULL	NULL	40.416	0.985	1.088	R
DA98B10690	DA980690	20/09/98	EL 5062	B	DA98B1A0690	Illite	0.606	Paragonite	0.394	40.232	0.95	1.246	R
DA98B10691	DA980691	20/09/98	EL 5062	B	DA98B1A0691	Nacrite	0.623	Dickite	0.377	97.848	0.863	1.176	R
DA98B10692	DA980692	20/09/98	EL 5062	B	DA98B1A0692	Nacrite	0.575	Dickite	0.425	92.499	0.899	1.138	R
DA98B10693	DA980693	20/09/98	EL 5062	B	DA98B1A0693	Illite	0.719	Paragonite	0.281	31.154	0.977	1.137	R
DA98B10694	DA980694	20/09/98	EL 5062	B	DA98B1A0694	Illite	0.697	Paragonite	0.303	50.625	0.992	1.036	R
DA98B10695	DA980695	20/09/98	EL 5062	B	DA98B1A0695	Illite	1	NULL	NULL	36.143	0.981	1.113	R
DA98B10696	DA980696	20/09/98	EL 5062	B	DA98B1A0696	Illite	0.603	Paragonite	0.397	72.04	0.983	1.007	R
DA98B10697	DA980697	20/09/98	EL 5062	B	DA98B1A0697	Illite	0.832	Gypsum	0.168	143.323	1.001	0.972	R
DA98B10698	DA980698	20/09/98	EL 5062	B	DA98B1A0698	Illite	1	NULL	NULL	69.51	0.995	0.975	R
DA98B10699	DA980699	20/09/98	EL 5062	B	DA98B1A0699	Illite	0.554	Kaolinite	0.446	59.765	1.006	1.104	R
DA98B10700	DA980700	20/09/98	EL 5061	B	DA98B1A0700	Illite	0.683	Paragonite	0.317	48.259	0.989	1.091	R
DA98B10701	DA980701	20/09/98	EL 5061	B	DA98B1A0701	Illite	0.719	Kaolinite	0.281	48.409	0.998	1.066	R
DA98B10702	DA980702	20/09/98	EL 5061	B	DA98B1A0702	Illite	0.69	Paragonite	0.31	45.94	0.986	1.012	R
DA98B10703	DA980703	20/09/98	EL 5061	B	DA98B1A0703	Illite	0.776	Paragonite	0.224	15.133	0.984	1.079	R
DA98B10704	DA980704	20/09/98	EL 5061	B	DA98B1A0704	Muscovite	1	NULL	NULL	48.172	1.012	1.024	R
DA98B10705	DA980705	20/09/98	EL 5061	B	DA98B1A0705	Illite	1	NULL	NULL	112.173	0.998	1.003	R

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DA98B10706	DA980706	20/09/98	EL 5061	B	DA98B1A0706	Illite	0.67	Paragonite	0.33	38.487	0.985	1.101	R
DA98B10707	DA980707	20/09/98	EL 5061	B	DA98B1A0707	Kaolinite	0.65	Muscovite	0.35	99.339	1.02	1.026	R
DA98B10708	DA980708	20/09/98	EL 5061	B	DA98B1A0708	Kaolinite	0.552	Muscovite	0.448	144.495	1.038	0.997	R
DA98B10709	DA980709	20/09/98	EL 5061	B	DA98B1A0709	Kaolinite	1	NULL	NULL	142.85	1.034	1.078	R
DA98B10710	DA980710	20/09/98	EL 5061	B	DA98B1A0710	Kaolinite	0.778	Gypsum	0.222	372.101	1.004	0.949	R
DA98B10711	DA980711	21/09/98	EL 5061	B	DA98B1A0711	Illite	1	NULL	NULL	60.23	0.997	1.018	R
DA98B10712	DA980712	21/09/98	EL 5061	B	DA98B1A0712	Illite	1	NULL	NULL	154.366	0.994	0.985	R
DA98B10713	DA980713	21/09/98	EL 5061	B	DA98B1A0713	Kaolinite	0.534	Illite	0.466	34.995	1.022	1.12	R
DA98B10714	DA980714	21/09/98	EL 5061	B	DA98B1A0714	Illite	1	NULL	NULL	248.643	1.001	0.984	R
DA98B10715	DA980715	21/09/98	EL 5061	B	DA98B1A0715	Illite	0.66	Paragonite	0.34	45.474	0.987	1.034	R
DA98B10716	DA980716	21/09/98	EL 5061	B	DA98B1A0716	Dickite	0.638	Illite	0.362	99.799	0.929	1.092	R
DA98B10717	DA980717	21/09/98	EL 5061	B	DA98B1A0717	Illite	1	NULL	NULL	15.479	1.003	0.996	R
DA98B10718	DA980718	21/09/98	EL 5061	B	DA98B1A0718	Illite	1	NULL	NULL	32.4	0.983	1.043	R
DA98B10719	DA980719	21/09/98	EL 5061	B	DA98B1A0719	Illite	1	NULL	NULL	43.18	1.003	0.988	R
DA98B10720	DA980720	21/09/98	EL 5061	B	DA98B1A0720	Illite	1	NULL	NULL	26.769	0.977	1.092	R
DA98B10721	DA980721	21/09/98	EL 5061	B	DA98B1A0721	Illite	0.784	Kaolinite	0.216	28.94	0.996	1.082	R
DA98B10722	DA980722	21/09/98	EL 5061	B	DA98B1A0722	Illite	0.598	Kaolinite	0.402	74.691	1.01	1.062	R
DA98B10723	DA980723	21/09/98	EL 5061	B	DA98B1A0723	Illite	0.82	Gypsum	0.18	139.531	0.998	0.968	R
DA98B10724	DA980724	21/09/98	EL 5061	B	DA98B1A0724	Illite	1	NULL	NULL	114.229	0.998	0.999	R
DA98B10725	DA980725	21/09/98	EL 5061	B	DA98B1A0725	Illite	0.723	Kaolinite	0.277	78.916	0.996	1.032	R
DA98B10726	DA980726	21/09/98	EL 5061	B	DA98B1A0726	Paragonite	1	NULL	NULL	142.086	0.996	1	R
DA98B10727	DA980727	21/09/98	EL 5061	B	DA98B1A0727	Kaolinite	1	NULL	NULL	62.873	1.1	1.299	R
DA98B10728	DA980728	21/09/98	EL 5061	B	DA98B1A0728	NULL	NULL	NULL	NULL	NULL	1.007	0.965	R
DA98B10729	DA980729	21/09/98	EL 5062	B	DA98B1A0729	MgChlorite	0.836	Halloysite	0.164	172.484	1.009	0.957	R
DA98B10730	DA980730	21/09/98	EL 5062	B	DA98B1A0730	NULL	NULL	NULL	NULL	NULL	1.003	0.817	R
DA98B10731	DA980731	22/09/98	EL 5062	B	DA98B1A0731	NULL	NULL	NULL	NULL	NULL	0.999	0.955	R
DA98B10732	DA980732	22/09/98	EL 5062	B	DA98B1A0732	Muscovite	1	NULL	NULL	62.472	1.002	0.986	R
DA98B10733	DA980733	22/09/98	EL 5062	B	DA98B1A0733	Muscovite	1	NULL	NULL	32.122	1.01	0.973	R
DA98B10734	DA980734	22/09/98	EL 5062	B	DA98B1A0734	Illite	1	NULL	NULL	96.902	1.007	1.01	R
DA98B10736	DA980736	24/09/98	EL 5061	B	DA98B1A0736	Illite	0.731	Paragonite	0.269	33.299	0.982	1.093	R
DA98B10737	DA980737	24/09/98	EL 5061	B	DA98B1A0737	Illite	0.526	Kaolinite	0.474	58.875	1.018	1.082	R
DA98B10738	DA980738	24/09/98	EL 5061	B	DA98B1A0738	Illite	1	NULL	NULL	173.292	0.998	0.935	R
DA98B10739	DA980739	24/09/98	EL 5061	B	DA98B1A0739	Illite	0.52	Kaolinite	0.48	47.407	1.007	1.068	R
DA98B10740	DA980740	24/09/98	EL 5061	B	DA98B1A0740	Muscovite	0.518	Kaolinite	0.482	82.159	1.013	1.044	R
DA98B10741	DA980741	24/09/98	EL 5061	B	DA98B1A0741	Muscovite	0.531	Kaolinite	0.469	68.183	1.005	1.02	R
DA98B10742	DA980742	24/09/98	EL 5061	B	DA98B1A0742	Illite	0.68	Phengite	0.32	49.892	1.017	1.033	R
DA98C11210	DA981210	31/08/98	EL 5062	C	DA98C1A1210	Illite	1	NULL	NULL	184.89	0.996	1.08	
DA98C41211	DA981211	31/08/98	EL 5062	C	DA98C4A1211	Kaolinite	1	NULL	NULL	80.95	1.059	1.258	D
DA98C31211	DA981211	31/08/98	EL 5062	C	DA98C3A1211	Muscovite	0.557	Kaolinite	0.443	426.51	0.992	1.06	R
DA98C11211	DA981211	31/08/98	EL 5062	C	DA98C1A1211	Kaolinite	1	NULL	NULL	164.01	1.02	1.14	R
DA98C21211	DA981211	31/08/98	EL 5062	C	DA98C2A1211	Kaolinite	1	NULL	NULL	151.45	1.02	1.12	R
DA98C11212	DA981212	2/09/98	EL 5061	C	DA98C1A1212	Illite	1	NULL	NULL	65.94	0.995	1.07	R
DA98C11213	DA981213	2/09/98	EL 5061	C	DA98C1A1213	Illite	0.623	Kaolinite	0.377	73.58	1.01	1.13	R
DA98C11214	DA981214	2/09/98	EL 5061	C	DA98C1A1214	Illite	0.674	Halloysite	0.326	64.04	1	1.16	R
DA98C11215	DA981215	2/09/98	EL 5061	C	DA98C1A1215	Illite	0.746	Kaolinite	0.254	40.83	0.998	1.17	R
DA98C11216	DA981216	2/09/98	EL 5061	C	DA98C1A1216	Illite	0.737	Kaolinite	0.263	24.42	1	1.23	R

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DA98C11217	DA981217	2/09/98	EL 5061	C	DA98C1A1217	Kaolinite	0.597	Illite	0.403	31.71	1.03	1.37	R
DA98C11218	DA981218	2/09/98	EL 5061	C	DA98C1A1218	Kaolinite	0.636	Paragonite	0.364	66.02	0.973	1.21	R
DA98C11219	DA981219	2/09/98	EL 5061	C	DA98C1A1219	Illite	0.829	Dickite	0.171	95.4	0.984	1.09	R
DA98C11220	DA981220	2/09/98	EL 5061	C	DA98C1A1220	Illite	0.925	Gypsum	0.0754	80.07	0.997	1.1	R
DA98C11221	DA981221	2/09/98	EL 5061	C	DA98C1A1221	Illite	0.705	Paragonite	0.295	28.65	0.989	1.18	R
DA98C11222	DA981222	2/09/98	EL 5061	C	DA98C1A1222	Illite	1	NULL	NULL	84.51	0.992	1.12	R
DA98C11223	DA981223	2/09/98	EL 5061	C	DA98C1A1223	Muscovite	0.928	Gypsum	0.0723	78.9	1	1.11	R
DA98C11224	DA981224	2/09/98	EL 5061	C	DA98C1A1224	Illite	0.729	Paragonite	0.271	35.61	0.985	1.22	R
DA98C11225	DA981225	2/09/98	EL 5061	C	DA98C1A1225	Illite	0.884	Gypsum	0.116	166.91	0.988	1.1	R
DA98C11226	DA981226	2/09/98	EL 5061	C	DA98C1A1226	Illite	0.546	Kaolinite	0.454	32.74	1.01	1.32	R
DA98C11227	DA981227	2/09/98	EL 5061	C	DA98C1A1227	Illite	0.663	Kaolinite	0.337	39.61	1	1.23	R
DA98C11228	DA981228	2/09/98	EL 5061	C	DA98C1A1228	Illite	0.515	Kaolinite	0.485	62.7	1.01	1.23	R
DA98C11229	DA981229	2/09/98	EL 5061	C	DA98C1A1229	Illite	0.672	Kaolinite	0.328	85.17	1.01	1.13	R
DA98C11230	DA981230	2/09/98	EL 5061	C	DA98C1A1230	Illite	0.557	Kaolinite	0.443	152.48	0.998	1.11	R
DA98C11231	DA981231	2/09/98	EL 5061	C	DA98C1A1231	Illite	0.868	Gypsum	0.132	120.49	1	1.07	R
DA98C11232	DA981232	2/09/98	EL 5061	C	DA98C1A1232	Muscovite	0.723	Nacrite	0.277	71.46	1	1.1	R
DA98C11233	DA981233	2/09/98	EL 5061	C	DA98C1A1233	Illite	1	NULL	NULL	17.57	0.999	1.05	R
DA98C11234	DA981234	2/09/98	EL 5061	C	DA98C1A1234	Illite	1	NULL	NULL	60.84	0.993	1.11	R
DA98C11235	DA981235	2/09/98	EL 5061	C	DA98C1A1235	Illite	0.591	Kaolinite	0.409	113.43	0.999	1.18	R
DA98C11236	DA981236	2/09/98	EL 5061	C	DA98C1A1236	Illite	0.506	Kaolinite	0.494	46.82	1.01	1.27	R
DA98C11238	DA981238	3/09/98	EL 5062	C	DA98C1A1238	Kaolinite	0.528	Illite	0.472	139.13	1.02	1.14	R
DA98C21238	DA981238	3/09/98	EL 5062	C	DA98C2A1238	Kaolinite	0.528	Muscovite	0.472	168.6	1.017	0.961	D
DA98C11239	DA981239	3/09/98	EL 5062	C	DA98C1A1239	Halloysite	0.582	Illite	0.418	143.24	1.01	1.13	R
DA98C11242	DA981242	4/09/98	EL 5061	C	DA98C1A1242	Illite	0.825	Kaolinite	0.175	20.86	0.995	1.28	R
DA98C11243	DA981243	4/09/98	EL 5061	C	DA98C1A1243	Illite	0.658	Muscovite	0.342	20.45	0.99	1.24	R
DA98C11244	DA981244	4/09/98	EL 5061	C	DA98C1A1244	Illite	0.616	Kaolinite	0.384	37.9	1	1.25	R
DA98C11245	DA981245	4/09/98	EL 5061	C	DA98C1A1245	Illite	0.883	Kaolinite	0.117	20.79	0.986	1.23	R
DA98C11246	DA981246	4/09/98	EL 5061	C	DA98C1A1246	Illite	0.728	Paragonite	0.272	37.16	0.992	1.15	R
DA98C11247	DA981247	4/09/98	EL 5061	C	DA98C1A1247	Illite	0.765	Kaolinite	0.235	43.42	0.996	1.18	R
DA98C11248	DA981248	4/09/98	EL 5061	C	DA98C1A1248	Illite	1	NULL	NULL	38.22	0.999	1.05	R
DA98C11249	DA981249	4/09/98	EL 5061	C	DA98C1A1249	Illite	1	NULL	NULL	35.12	0.999	1.18	R
DA98C11250	DA981250	4/09/98	EL 5061	C	DA98C1A1250	Illite	0.838	Halloysite	0.162	20.61	0.989	1.27	R
DA98C11251	DA981251	4/09/98	EL 5061	C	DA98C1A1251	Illite	1	NULL	NULL	24.26	0.986	1.17	R
DA98C11252	DA981252	4/09/98	EL 5061	C	DA98C1A1252	Illite	1	NULL	NULL	55.19	1	1.15	R
DA98C11253	DA981253	4/09/98	EL 5061	C	DA98C1A1253	Illite	1	NULL	NULL	48.73	1	1.09	R
DA98C11254	DA981254	4/09/98	EL 5061	C	DA98C1A1254	Illite	1	NULL	NULL	50.8	0.988	1.11	R
DA98C11255	DA981255	4/09/98	EL 5061	C	DA98C1A1255	Illite	0.831	Gypsum	0.169	15.01	0.999	1.03	R
DA98C11256	DA981256	4/09/98	EL 5061	C	DA98C1A1256	Illite	0.51	Kaolinite	0.49	64.39	1.01	1.28	R
DA98C11257	DA981257	4/09/98	EL 5061	C	DA98C1A1257	Illite	1	NULL	NULL	32.58	0.998	1.09	R
DA98C11258	DA981258	4/09/98	EL 5061	C	DA98C1A1258	Illite	0.926	Gypsum	0.0738	53.71	0.995	1.12	R
DA98C11259	DA981259	4/09/98	EL 5061	C	DA98C1A1259	Illite	1	NULL	NULL	27.25	0.983	1.23	R
DA98C11260	DA981260	4/09/98	EL 5061	C	DA98C1A1260	Illite	1	NULL	NULL	27.25	0.983	1.23	R
DA98C11261	DA981261	4/09/98	EL 5061	C	DA98C1A1261	Kaolinite	0.534	Illite	0.466	68.24	1	1.05	R
DA98C11262	DA981262	4/09/98	EL 5061	C	DA98C1A1262	Illite	0.724	Halloysite	0.276	71.35	0.987	1.14	R
DA98C11263	DA981263	4/09/98	EL 5061	C	DA98C1A1263	Illite	0.7	Halloysite	0.3	44.26	1	1.24	R
DA98C11264	DA981264	4/09/98	EL 5061	C	DA98C1A1264	Illite	1	NULL	NULL	95.68	0.996	1.06	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98C11265	DA981265	4/09/98	EL 5061	C	DA98C1A1265	Illite	0.873	Gypsum	0.127	141.82	0.993	1.08	R
DA98C11266	DA981266	4/09/98	EL 5061	C	DA98C1A1266	Illite	1	NULL	NULL	23.21	0.997	1.05	R
DA98C11267	DA981267	4/09/98	EL 5061	C	DA98C1A1267	Illite	0.552	Halloysite	0.448	101.32	1	1.17	R
DA98C11268	DA981268	4/09/98	EL 5061	C	DA98C1A1268	Illite	1	NULL	NULL	40.06	0.999	1.08	R
DA98C11269	DA981269	4/09/98	EL 5061	C	DA98C1A1269	Illite	0.809	Halloysite	0.191	51.47	0.998	1.14	R
DA98C11270	DA981270	4/09/98	EL 5061	C	DA98C1A1270	Illite	1	NULL	NULL	38.78	0.998	1.15	R
DA98C11271	DA981271	4/09/98	EL 5061	C	DA98C1A1271	Illite	1	NULL	NULL	58.43	1	1.06	R
DA98C11272	DA981272	4/09/98	EL 5061	C	DA98C1A1272	Illite	0.945	Gypsum	0.055	27.38	0.99	1.15	R
DA98C11273	DA981273	4/09/98	EL 5061	C	DA98C1A1273	Illite	1	NULL	NULL	33.25	0.995	1.14	R
DA98C11274	DA981274	4/09/98	EL 5061	C	DA98C1A1274	Illite	1	NULL	NULL	35.51	0.982	1.18	R
DA98C11275	DA981275	4/09/98	EL 5061	C	DA98C1A1275	Halloysite	0.587	Illite	0.413	146.79	1.01	1.14	R
DA98C11276	DA981276	4/09/98	EL 5061	C	DA98C1A1276	Illite	0.613	Nacrite	0.387	95.94	0.986	1.16	R
DA98C11277	DA981277	4/09/98	EL 5061	C	DA98C1A1277	Muscovite	0.527	Nacrite	0.473	55.92	0.984	1.06	R
DA98C11278	DA981278	4/09/98	EL 5061	C	DA98C1A1278	Illite	0.713	Halloysite	0.287	71.38	0.996	1.14	R
DA98C11279	DA981279	4/09/98	EL 5061	C	DA98C1A1279	Illite	1	NULL	NULL	37.97	0.989	1.13	R
DA98C11280	DA981280	4/09/98	EL 5061	C	DA98C1A1280	Illite	0.773	Halloysite	0.227	37.46	1.01	1.08	R
DA98C11281	DA981281	4/09/98	EL 5061	C	DA98C1A1281	Illite	0.833	Halloysite	0.167	51.4	0.991	1.16	R
DA98C11282	DA981282	4/09/98	EL 5061	C	DA98C1A1282	Illite	0.58	Kaolinite	0.42	57.04	1.01	1.37	R
DA98C11283	DA981283	4/09/98	EL 5061	C	DA98C1A1283	Illite	1	NULL	NULL	71.45	1.01	1.06	R
DA98C11284	DA981284	4/09/98	EL 5061	C	DA98C1A1284	Illite	0.821	Halloysite	0.179	30.37	0.998	1.2	R
DA98C11285	DA981285	4/09/98	EL 5061	C	DA98C1A1285	Illite	1	NULL	NULL	88.12	0.989	1.16	R
DA98C11286	DA981286	4/09/98	EL 5061	C	DA98C1A1286	Illite	1	NULL	NULL	40.5	0.988	1.23	R
DA98C11287	DA981287	4/09/98	EL 5061	C	DA98C1A1287	Illite	0.618	Nacrite	0.382	121.71	0.998	1.08	R
DA98C11288	DA981288	4/09/98	EL 5061	C	DA98C1A1288	Illite	1	NULL	NULL	73.11	0.999	1.14	R
DA98C11289	DA981289	4/09/98	EL 5061	C	DA98C1A1289	Illite	0.68	Halloysite	0.32	29.17	1	1.23	R
DA98C11290	DA981290	4/09/98	EL 5061	C	DA98C1A1290	Illite	0.732	Nacrite	0.268	90.67	1	1.1	R
DA98C11291	DA981291	4/09/98	EL 5061	C	DA98C1A1291	Paragonite	0.545	Kaolinite	0.455	184.99	0.97	1.11	R
DA98C11292	DA981292	4/09/98	EL 5061	C	DA98C1A1292	Kaolinite	0.653	Illite	0.347	58.21	1.03	1.43	R
DA98C11293	DA981293	4/09/98	EL 5061	C	DA98C1A1293	Illite	1	NULL	NULL	34.33	0.994	1.13	R
DA98C11294	DA981294	4/09/98	EL 5061	C	DA98C1A1294	Illite	1	NULL	NULL	7.25	0.999	1.02	R
DA98C11295	DA981295	4/09/98	EL 5061	C	DA98C1A1295	Nacrite	1	NULL	NULL	248.01	0.983	1.03	R
DA98C11296	DA981296	4/09/98	EL 5061	C	DA98C1A1296	Nacrite	0.53	Dickite	0.47	86.81	0.939	1.12	R
DA98C11297	DA981297	4/09/98	EL 5061	C	DA98C1A1297	Nacrite	1	NULL	NULL	107.48	0.947	1.12	R
DA98C11298	DA981298	4/09/98	EL 5061	C	DA98C1A1298	Muscovite	0.561	Nacrite	0.439	72.34	0.98	1.13	R
DA98C11299	DA981299	4/09/98	EL 5061	C	DA98C1A1299	Illite	1	NULL	NULL	34.22	0.994	1.19	R
DA98C11300	DA981300	4/09/98	EL 5061	C	DA98C1A1300	Illite	0.668	Kaolinite	0.332	58.5	0.969	1.25	R
DA98C11301	DA981301	4/09/98	EL 5061	C	DA98C1A1301	Illite	0.67	Dickite	0.33	70.15	0.952	1.13	R
DA98C11302	DA981302	4/09/98	EL 5061	C	DA98C1A1302	Illite	1	NULL	NULL	53.52	0.987	1.16	R
DA98C11303	DA981303	4/09/98	EL 5061	C	DA98C1A1303	Illite	1	NULL	NULL	46.51	0.996	1.13	R
DA98C11304	DA981304	4/09/98	EL 5061	C	DA98C1A1304	Illite	0.603	Phengite	0.397	42.88	1.01	1.17	R
DA98C11305	DA981305	4/09/98	EL 5061	C	DA98C1A1305	Nacrite	0.537	Dickite	0.463	92.37	0.883	1.22	R
DA98C21306	DA981306	5/09/98	EL 5061	C	DA98C2A1306	Kaolinite	1	NULL	NULL	40.55	1.15	2.01	R
DA98C11306	DA981306	5/09/98	EL 5061	c	DA98C1A1306	Kaolinite	1	NULL	NULL	46.85	1.13	2.36	R
DA98C11307	DA981307	5/09/98	EL 5062	C	DA98C1A1307	Halloysite	0.821	Gypsum	0.179	252.1	1.01	1.07	R
DA98C11308	DA981308	5/09/98	EL 5062	C	DA98C1A1308	Halloysite	1	NULL	NULL	159.48	1.03	1.15	R
DA98C11309	DA981309	5/09/98	EL 5062	C	DA98C1A1309	Muscovite	1	NULL	NULL	145.88	1.06	1.46	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98B11324	DA981324	10/09/98	EL 5061	B	DA98B1A1324	Illite	1	NULL	NULL	59.83	0.991	1.24	R
DA98B11325	DA981325	10/09/98	EL 5061	B	DA98B1A1325	Paragonite	0.545	Muscovite	0.455	89.29	0.992	1.12	R
DA98B11326	DA981326	10/09/98	EL 5061	B	DA98B1A1326	Illite	0.583	Paragonite	0.417	43.12	0.981	1.21	R
DA98B11327	DA981327	10/09/98	EL 5061	B	DA98B1A1327	Illite	1	NULL	NULL	69.91	0.991	1.15	R
DA98B11328	DA981328	10/09/98	EL 5061	B	DA98B1A1328	Paragonite	0.576	Muscovite	0.424	120.06	0.997	1.08	R
DA98B11329	DA981329	10/09/98	EL 5061	B	DA98B1A1329	Kaolinite	0.831	Gypsum	0.169	199.82	1.01	1.07	R
DA98B11330	DA981330	10/09/98	EL 5061	B	DA98B1A1330	Kaolinite	0.771	Illite	0.229	58.3	1.04	1.38	R
DA98B11331	DA981331	10/09/98	EL 5061	B	DA98B1A1331	Illite	0.679	Phengite	0.321	27.83	1	1.18	R
DA98B11332	DA981332	10/09/98	EL 5062	B	DA98B1A1332	Illite	0.69	Kaolinite	0.31	109.54	1	1.1	R
DA98B11333	DA981333	10/09/98	EL 5062	B	DA98B1A1333	Paragonite	0.507	Muscovite	0.493	75.47	0.997	1.12	R
DA98B11334	DA981334	10/09/98	EL 5061	B	DA98B1A1334	Paragonite	1	NULL	NULL	186.34	0.992	1.11	R
DA98B11335	DA981335	10/09/98	EL 5061	B	DA98B1A1335	Illite	1	NULL	NULL	107.91	0.999	1.08	R
DA98B11336	DA981336	10/09/98	EL 5061	B	DA98B1A1336	Paragonite	0.521	Muscovite	0.479	65.5	0.983	1.3	R
DA98B11337	DA981337	10/09/98	EL 5061	B	DA98B1A1337	Illite	0.822	Gypsum	0.178	101.92	0.995	1.05	R
DA98B11338	DA981338	10/09/98	EL 5061	B	DA98B1A1338	Paragonite	1	NULL	NULL	235.96	0.997	1.07	R
DA98B11339	DA981339	10/09/98	EL 5061	B	DA98B1A1339	Illite	0.542	Paragonite	0.458	41.46	0.941	1.34	R
DA98B11340	DA981340	10/09/98	EL 5061	B	DA98B1A1340	Muscovite	0.502	Paragonite	0.498	99.05	1	1.15	R
DA98B11341	DA981341	10/09/98	EL 5061	B	DA98B1A1341	Kaolinite	0.539	Muscovite	0.461	110.44	1.01	1.13	R
DA98B11342	DA981342	10/09/98	EL 5061	B	DA98B1A1342	Muscovite	1	NULL	NULL	135.18	1	1.05	R
DA98B11343	DA981343	10/09/98	EL 5061	B	DA98B1A1343	Illite	0.642	Kaolinite	0.358	106.99	0.972	1.15	R
DA98B11344	DA981344	11/09/98	EL 5062	B	DA98B1A1344	Dickite	1	NULL	NULL	106.28	0.755	1.4	R
DA98B11345	DA981345	11/09/98	EL 5062	B	DA98B1A1345	Illite	0.943	Gypsum	0.0568	37.14	1	1.15	R
DA98B11346	DA981346	11/09/98	EL 5062	B	DA98B1A1346	Illite	0.898	Gypsum	0.102	105.64	1	1.12	R
DA98B11347	DA981347	11/09/98	EL 5062	B	DA98B1A1347	Kaolinite	0.526	Illite	0.474	99.66	0.997	1.22	R
DA98B11348	DA981348	11/09/98	EL 5062	B	DA98B1A1348	Illite	0.924	Gypsum	0.0755	74.47	0.988	1.13	R
DA98B11349	DA981349	11/09/98	EL 5062	B	DA98B1A1349	Illite	0.501	Paragonite	0.499	42.08	0.963	1.34	R
DA98B11350	DA981350	11/09/98	EL 5062	B	DA98B1A1350	Illite	0.567	Paragonite	0.433	85.51	0.99	1.15	R
DA98B11351	DA981351	11/09/98	EL 5062	B	DA98B1A1351	Illite	0.727	Alunite	0.273	104.015	0.997	0.973	R
DA98B11352	DA981352	11/09/98	EL 5062	B	DA98B1A1352	Illite	0.818	Gypsum	0.182	225.48	1	1.06	R
DA98B11353	DA981353	11/09/98	EL 5062	B	DA98B1A1353	Paragonite	0.525	Illite	0.475	26.97	0.95	1.31	R
DA98B11354	DA981354	11/09/98	EL 5062	B	DA98B1A1354	Illite	0.607	Dickite	0.393	66.65	0.913	1.24	R
DA98B11355	DA981355	11/09/98	EL 5062	B	DA98B1A1355	Illite	1	NULL	NULL	38.91	0.999	1.21	R
DA98B11356	DA981356	11/09/98	EL 5062	B	DA98B1A1356	Muscovite	0.539	Paragonite	0.461	56.36	0.996	1.14	R
DA98B11357	DA981357	11/09/98	EL 5062	B	DA98B1A1357	Dickite	1	NULL	NULL	116.47	0.774	1.42	R
DA98B11358	DA981358	11/09/98	EL 5062	B	DA98B1A1358	Illite	0.61	Paragonite	0.39	25.21	0.961	1.29	R
DA98B11359	DA981359	12/09/98	EL 5062	B	DA98B1A1359	Illite	0.92	Gypsum	0.0804	85.74	0.993	1.14	R
DA98B11360	DA981360	12/09/98	EL 5061	B	DA98B1A1360	Illite	0.902	Gypsum	0.0983	122.98	0.997	1.09	R
DA98B11361	DA981361	12/09/98	EL 5061	B	DA98B1A1361	Illite	0.673	Paragonite	0.327	49.79	0.991	1.15	R
DA98B11362	DA981362	12/09/98	EL 5061	B	DA98B1A1362	Illite	0.546	Paragonite	0.454	48.5	0.984	1.16	R
DA98B11363	DA981363	12/09/98	EL 5061	B	DA98B1A1363	Illite	0.579	Paragonite	0.421	49.39	0.971	1.2	R
DA98B11364	DA981364	12/09/98	EL 5062	B	DA98B1A1364	Illite	0.574	Paragonite	0.426	63	0.983	1.25	R
DA98B11365	DA981365	12/09/98	EL 5062	B	DA98B1A1365	Illite	1	NULL	NULL	51.98	0.984	1.2	R
DA98B11366	DA981366	12/09/98	EL 5062	B	DA98B1A1366	Dickite	1	NULL	NULL	86.11	0.715	1.62	R
DA98B11367	DA981367	12/09/98	EL 5062	B	DA98B1A1367	Illite	0.542	Paragonite	0.458	80.5	0.988	1.2	R
DA98B11368	DA981368	12/09/98	EL 5062	B	DA98B1A1368	Illite	0.945	Gypsum	0.0553	41.53	0.987	1.19	R
DA98B11369	DA981369	12/09/98	EL 5062	B	DA98B1A1369	Paragonite	1	NULL	NULL	171.11	0.999	1.09	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98B11370	DA981370	12/09/98	EL 5062	B	DA98B1A1370	Dickite	1	NULL	NULL	141.96	0.905	1.16	R
DA98B11371	DA981371	12/09/98	EL 5062	B	DA98B1A1371	Illite	0.768	Gypsum	0.232	172.07	1	1.05	R
DA98B11372	DA981372	12/09/98	EL 5062	B	DA98B1A1372	Illite	1	NULL	NULL	58.19	1	1.14	R
DA98B11373	DA981373	12/09/98	EL 5062	B	DA98B1A1373	Illite	0.527	Paragonite	0.473	79.2	0.995	1.12	R
DA98B11374	DA981374	12/09/98	EL 5062	B	DA98B1A1374	Paragonite	0.522	Illite	0.478	71.48	0.984	1.18	R
DA98B11375	DA981375	12/09/98	EL 5061	B	DA98B1A1375	Illite	0.568	Kaolinite	0.432	72.15	1.02	1.22	R
DA98B11376	DA981376	12/09/98	EL 5061	B	DA98B1A1376	Paragonite	0.544	Muscovite	0.456	98.15	0.994	1.13	R
DA98B11377	DA981377	12/09/98	EL 5061	B	DA98B1A1377	Paragonite	0.509	Halloysite	0.491	72.08	1	1.2	R
DA98B11378	DA981378	12/09/98	EL 5061	B	DA98B1A1378	Paragonite	0.6	Muscovite	0.4	79.23	0.993	1.12	R
DA98B11379	DA981379	12/09/98	EL 5061	B	DA98B1A1379	Paragonite	0.573	Halloysite	0.427	66.75	1	1.23	R
DA98B11380	DA981380	12/09/98	EL 5061	B	DA98B1A1380	Illite	0.583	Paragonite	0.417	49.51	0.984	1.12	R
DA98B11381	DA981381	12/09/98	EL 5061	B	DA98B1A1381	Illite	0.83	Gypsum	0.17	154.82	0.998	1.06	R
DA98C11382	DA981382	13/09/98	EL 5062	C	DA98C1A1382	Kaolinite	1	NULL	NULL	40.185	1.011	1	R
DA98C11383	DA981383	13/09/98	EL 5062	C	DA98C1A1383	Muscovite	1	NULL	NULL	96.898	1.016	0.974	R
DA98C11384	DA981384	13/09/98	EL 5062	C	DA98C1A1384	Halloysite	0.611	Illite	0.389	105.322	1.016	0.957	R
DA98C11400	DA981400	22/09/98	EL 5062	C	DA98C1A1400	Kaolinite	1	NULL	NULL	88.698	1.054	1.152	R
DA98C11401	DA981401	22/09/98	EL 5062	C	DA98C1A1401	Kaolinite	1	NULL	NULL	92.422	1.051	1.114	R
DA98C11402	DA981402	22/09/98	EL 5062	C	DA98C1A1402	Kaolinite	1	NULL	NULL	129.386	1.033	1.045	R
DA98C11403	DA981403	22/09/98	EL 5062	C	DA98C1A1403	Kaolinite	0.623	Muscovite	0.377	275.974	1.006	0.982	R
DA98C11405	DA981405	22/09/98	EL 5062	C	DA98C1A1405	Muscovite	1	NULL	NULL	187.579	1.012	0.972	R
DA98C11406	DA981406	22/09/98	EL 5062	C	DA98C1A1406	Halloysite	0.549	Dickite	0.451	98.245	0.976	0.924	R
DA98C11408	DA981408	22/09/98	EL 5062	C	DA98C1A1408	Kaolinite	0.629	Halloysite	0.371	71.718	1.044	1.124	R
DA98C11411	DA981411	22/09/98	EL 5062	C	DA98C1A1411	Halloysite	1	NULL	NULL	93.211	1.024	1.104	R
DA98C11414	DA981414	22/09/98	EL 5062	C	DA98C1A1414	Kaolinite	0.731	Illite	0.269	97.353	1.029	1.039	R
DA98C11415	DA981415	22/09/98	EL 5062	C	DA98C1A1415	Kaolinite	0.558	Halloysite	0.442	82.058	1.011	1.072	R
DA98C11420	DA981420	22/09/98	EL 5062	C	DA98C1A1420	Muscovite	0.721	Halloysite	0.279	147.296	1.016	0.981	R
DA98C11421	DA981421	22/09/98	EL 5062	C	DA98C1A1421	Muscovite	0.888	Gypsum	0.112	398.099	0.995	0.929	R
DA98C11422	DA981422	22/09/98	EL 5062	C	DA98C1A1422	Illite	0.673	Halloysite	0.327	155.894	1.007	0.977	R
DA98C11423	DA981423	22/09/98	EL 5062	C	DA98C1A1423	Muscovite	0.611	Halloysite	0.389	118.272	1.003	0.985	R
DA98C11424	DA981424	22/09/98	EL 5062	C	DA98C1A1424	Illite	0.5	Halloysite	0.5	109.45	1	1.019	R
DA98C11425	DA981425	22/09/98	EL 5062	C	DA98C1A1425	Illite	0.581	Halloysite	0.419	123.415	1.006	0.973	R
DA98C11426	DA981426	22/09/98	EL 5062	C	DA98C1A1426	Muscovite	0.587	Halloysite	0.413	130.322	1.011	0.986	R
DA98C11437	DA981437	22/09/98	EL 5062	C	DA98C1A1437	Halloysite	0.587	Muscovite	0.413	96.804	1.021	1.052	R
DA98C11439	DA981439	22/09/98	EL 5062	C	DA98C1A1439	Halloysite	1	NULL	NULL	102.16	1.038	1.167	R
DA98C11440	DA981440	22/09/98	EL 5062	C	DA98C1A1440	Kaolinite	1	NULL	NULL	108.486	1.016	1.093	R
DA98C11441	DA981441	22/09/98	EL 5062	C	DA98C1A1441	Muscovite	0.568	Halloysite	0.432	147.673	1.003	0.998	R
DA98C11442	DA981442	22/09/98	EL 5062	C	DA98C1A1442	Kaolinite	1	NULL	NULL	154.057	1.04	1.042	R
DA98C11443	DA981443	22/09/98	EL 5062	C	DA98C1A1443	Kaolinite	1	NULL	NULL	182.403	1.028	1.025	R
DA98C11444	DA981444	22/09/98	EL 5062	C	DA98C1A1444	Kaolinite	1	NULL	NULL	167.636	1.022	1.008	R
DA98C11445	DA981445	22/09/98	EL 5062	C	DA98C1A1445	Kaolinite	1	NULL	NULL	148.628	1.042	1.054	R
DA98C11446	DA981446	22/09/98	EL 5062	C	DA98C1A1446	Kaolinite	1	NULL	NULL	91.92	1.068	1.135	R
DA98C11456	DA981456	22/09/98	EL 5062	C	DA98C1A1456	Kaolinite	1	NULL	NULL	72.005	1.053	1.141	R
DA98C11457	DA981457	22/09/98	EL 5062	C	DA98C1A1457	Kaolinite	1	NULL	NULL	83.614	1.046	1.105	R
DA98C11458	DA981458	22/09/98	EL 5062	C	DA98C1A1458	Kaolinite	1	NULL	NULL	139.379	1.023	1.053	R
DA98C11459	DA981459	22/09/98	EL 5062	C	DA98C1A1459	Kaolinite	1	NULL	NULL	123.147	1.025	1.035	R
DA98C11460	DA981460	22/09/98	EL 5062	C	DA98C1A1460	Kaolinite	1	NULL	NULL	97.294	1.041	1.081	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98C11461	DA981461	22/09/98	EL 5062	C	DA98C1A1461	Kaolinite	1	NULL	NULL	157.013	1.018	1.028	R
DA98C11462	DA981462	24/09/98	EL 5061	C	DA98C1A1462	Illite	1	NULL	NULL	41.758	0.997	1.051	R
DA98C11463	DA981463	24/09/98	EL 5061	C	DA98C1A1463	Kaolinite	0.603	Illite	0.397	127.212	1.005	1.063	R
DA98C11464	DA981464	24/09/98	EL 5061	C	DA98C1A1464	Halloysite	1	NULL	NULL	136.368	1.002	1.011	R
DA98C11465	DA981465	24/09/98	EL 5061	C	DA98C1A1465	Muscovite	0.777	Alunite	0.223	268.691	1.002	0.92	R
DA98C11466	DA981466	24/09/98	EL 5061	C	DA98C1A1466	Illite	1	NULL	NULL	148.394	1.003	0.993	R
DA98C11467	DA981467	24/09/98	EL 5061	C	DA98C1A1467	Kaolinite	0.692	Paragonite	0.308	57.629	0.998	1.138	R
DA98C11468	DA981468	24/09/98	EL 5061	C	DA98C1A1468	Illite	1	NULL	NULL	163.693	1	0.993	R
DA98C11469	DA981469	24/09/98	EL 5061	C	DA98C1A1469	Muscovite	0.689	Kaolinite	0.311	65.725	0.996	1.052	R
DA98C11470	DA981470	24/09/98	EL 5061	C	DA98C1A1470	Illite	0.524	Muscovite	0.476	30.813	1.006	1.069	R
DA98C11471	DA981471	24/09/98	EL 5061	C	DA98C1A1471	Illite	1	NULL	NULL	19.368	1.001	1.101	R
DA98C11472	DA981472	24/09/98	EL 5061	C	DA98C1A1472	Illite	1	NULL	NULL	103.244	1.002	1.006	R
DA98C11473	DA981473	24/09/98	EL 5061	C	DA98C1A1473	Paragonite	0.551	Kaolinite	0.449	182.696	0.98	0.973	R
DA98C11474	DA981474	24/09/98	EL 5061	C	DA98C1A1474	Kaolinite	0.581	Illite	0.419	103.33	0.991	1.073	R
DA98C11475	DA981475	24/09/98	EL 5061	C	DA98C1A1475	Illite	0.651	Halloysite	0.349	49.264	1.004	1.107	R
DA98C11476	DA981476	24/09/98	EL 5061	C	DA98C1A1476	Illite	0.584	Kaolinite	0.416	73.592	1	1.08	R
DA98C11477	DA981477	24/09/98	EL 5061	C	DA98C1A1477	Dickite	1	NULL	NULL	59.408	0.873	1.182	R
DA98C11478	DA981478	24/09/98	EL 5061	C	DA98C1A1478	Illite	1	NULL	NULL	33.743	1.006	1.007	R
DA98C11479	DA981479	24/09/98	EL 5061	C	DA98C1A1479	Illite	0.615	Nacrite	0.385	46.935	0.952	1.144	R
DA98C11480	DA981480	24/09/98	EL 5061	C	DA98C1A1480	Illite	0.673	Kaolinite	0.327	75.253	0.99	1.047	R
DA98C11481	DA981481	24/09/98	EL 5061	C	DA98C1A1481	Illite	1	NULL	NULL	38.03	1.009	1.031	R
DA98C11482	DA981482	24/09/98	EL 5061	C	DA98C1A1482	Illite	0.763	Kaolinite	0.237	75.515	0.994	1.072	R
DA98C11483	DA981483	24/09/98	EL 5061	C	DA98C1A1483	Illite	1	NULL	NULL	87.792	0.998	1.142	R
DA98C11484	DA981484	24/09/98	EL 5061	C	DA98C1A1484	Muscovite	1	NULL	NULL	17.984	1	0.985	R
DA98C11485	DA981485	24/09/98	EL 5061	C	DA98C1A1485	Kaolinite	0.635	Muscovite	0.365	83.448	1.014	1.114	R
DA98C11486	DA981486	24/09/98	EL 5061	C	DA98C1A1486	Muscovite	1	NULL	NULL	18.76	1.005	1.006	R
DA98C11487	DA981487	24/09/98	EL 5061	C	DA98C1A1487	Muscovite	1	NULL	NULL	11.29	1.001	0.981	R
DA98C11488	DA981488	24/09/98	EL 5061	C	DA98C1A1488	Muscovite	1	NULL	NULL	9.316	1.009	0.989	R
DA98C11489	DA981489	24/09/98	EL 5061	C	DA98C1A1489	Illite	1	NULL	NULL	28.961	0.987	1.048	R
DA98C11490	DA981490	24/09/98	EL 5061	C	DA98C1A1490	Kaolinite	0.574	Muscovite	0.426	81.29	1.011	1.039	R
DA98C11491	DA981491	24/09/98	EL 5061	C	DA98C1A1491	Illite	0.596	Kaolinite	0.404	186.735	1.002	1.021	R
DA98C11600	DA981600	22/09/98	EL 5062	C	DA98C1A1600	Phengite	0.529	Halloysite	0.471	139.326	1.022	0.98	R
DA98C11602	DA981602	22/09/98	EL 5062	C	DA98C1A1602	Muscovite	0.664	Halloysite	0.336	134.796	1.012	0.96	R
DA98C11603	DA981603	22/09/98	EL 5062	C	DA98C1A1603	Kaolinite	0.505	Muscovite	0.495	191.822	1.004	0.985	R
DA98C11604	DA981604	22/09/98	EL 5062	C	DA98C1A1604	Kaolinite	1	NULL	NULL	112.544	1.038	1.105	R
DA98C11605	DA981605	22/09/98	EL 5062	C	DA98C1A1605	Muscovite	0.605	Halloysite	0.395	135.464	1.01	0.954	R
DA98C11606	DA981606	22/09/98	EL 5062	C	DA98C1A1606	Illite	0.543	Halloysite	0.457	155.732	1.011	0.918	R
DA98C11607	DA981607	22/09/98	EL 5062	C	DA98C1A1607	Halloysite	0.523	Muscovite	0.477	107.941	1.004	1.02	R
DA98C11614	DA981614	22/09/98	EL 5062	C	DA98C1A1614	Kaolinite	1	NULL	NULL	132	1.027	1.066	R
DA98C11615	DA981615	22/09/98	EL 5062	C	DA98C1A1615	Kaolinite	1	NULL	NULL	128.712	1.013	1.024	R
DA98C11616	DA981616	22/09/98	EL 5062	C	DA98C1A1616	Kaolinite	0.709	Illite	0.291	92.48	1.011	1.071	R
DA98C11618	DA981618	22/09/98	EL 5062	C	DA98C1A1618	Kaolinite	0.537	Muscovite	0.463	160.385	1.008	0.996	R
DA98C11619	DA981619	22/09/98	EL 5062	C	DA98C1A1619	Halloysite	0.566	Muscovite	0.434	235.806	1.01	0.985	R
DA98C11620	DA981620	22/09/98	EL 5062	C	DA98C1A1620	Halloysite	1	NULL	NULL	173.71	1.017	0.926	R
DA98C11621	DA981621	22/09/98	EL 5062	C	DA98C1A1621	Halloysite	1	NULL	NULL	174.834	1.004	1.005	R
DA98C11622	DA981622	22/09/98	EL 5062	C	DA98C1A1622	Halloysite	1	NULL	NULL	189.499	1.004	0.963	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98C11623	DA981623	22/09/98	EL 5062	C	DA98C1A1623	Halloysite	0.62	Illite	0.38	124.32	1	0.979	R
DA98C11624	DA981624	22/09/98	EL 5062	C	DA98C1A1624	Halloysite	1	NULL	NULL	127.08	1.027	1.054	R
DA98C11625	DA981625	22/09/98	EL 5062	C	DA98C1A1625	Kaolinite	0.576	Muscovite	0.424	118.4	1.017	1.044	R
DA98C11634	DA981634	22/09/98	EL 5062	C	DA98C1A1634	Kaolinite	1	NULL	NULL	61.017	1.04	1.126	R
DA98C11639	DA981639	22/09/98	EL 5062	C	DA98C1A1639	Illite	0.593	Halloysite	0.407	184.356	1.008	0.938	R
DA98C11640	DA981640	22/09/98	EL 5062	C	DA98C1A1640	Kaolinite	0.572	Muscovite	0.428	102.233	1.013	1.03	R
DA98C11641	DA981641	22/09/98	EL 5062	C	DA98C1A1641	Kaolinite	0.533	Illite	0.467	202.82	0.995	0.973	R
DA98C11642	DA981642	22/09/98	EL 5062	C	DA98C1A1642	Kaolinite	1	NULL	NULL	169.715	1.024	1.02	R
DA98C11643	DA981643	22/09/98	EL 5062	C	DA98C1A1643	Kaolinite	0.725	Muscovite	0.275	79.315	1.054	1.093	R
DA98C11644	DA981644	22/09/98	EL 5062	C	DA98C1A1644	Kaolinite	0.707	Muscovite	0.293	115.321	1.039	1.04	R
DA98C11646	DA981646	22/09/98	EL 5062	C	DA98C1A1646	Illite	0.54	Halloysite	0.46	94.922	1.011	1.04	R
DA98C11900	DA981900	22/09/98	EL 5062	C	DA98C1A1900	NULL	NULL	NULL	NULL	NULL	1.006	0.838	R
DA98C11901	DA981901	22/09/98	EL 5062	C	DA98C1A1901	Halloysite	0.555	Muscovite	0.445	133.615	1.01	0.985	R
DA98C11902	DA981902	22/09/98	EL 5062	C	DA98C1A1902	Kaolinite	1	NULL	NULL	86.753	1.047	1.093	R
DA98C21903	DA981903	22/09/98	EL 5062	C	DA98C2A1903	Illite	0.591	Halloysite	0.409	153.565	1.018	0.972	R
DA98C11903	DA981903	22/09/98	EL 5062	C	DA98C1A1903	Halloysite	0.579	Illite	0.421	74.835	1.034	1.045	R
DA98C12008	DA982008	23/08/98	EL 5062	C	DA98C1A2008	Kaolinite	1	NULL	NULL	198.427	1.019	0.979	R
DA98C12009	DA982009	23/08/98	EL 5062	C	DA98C1A2009	Illite	0.54	Paragonite	0.46	66.276	0.995	1.098	R
DA98C12011	DA982011	23/08/98	EL 5062	C	DA98C1A2011	Kaolinite	0.81	Muscovite	0.19	33.373	1.097	1.238	R
DA98C12013	DA982013	23/08/98	EL 5062	C	DA98C1A2013	Kaolinite	0.541	Halloysite	0.459	410.436	1.028	0.895	R
DA98C12014	DA982014	23/08/98	EL 5062	C	DA98C1A2014	Halloysite	0.711	Ankerite	0.289	292.721	1.043	0.918	R
DA98C12015	DA982015	23/08/98	EL 5062	C	DA98C1A2015	Illite	0.729	Prehnite	0.271	62.6	0.845	1.209	R
DA98C22015	DA982015	23/08/98	EL 5062	C	DA98C2A2015	MgChlorite	0.554	Kaolinite	0.446	485.008	1.01	0.896	D
DA98C13001	DA983001	23/08/98	EL 5062	C	DA98C1A3001	Illite	1	NULL	NULL	198.834	1.011	0.968	R
DA98C13002	DA983002	23/08/98	EL 5062	C	DA98C1A3002	Muscovite	0.705	Opal	0.295	75.47	1.034	1.042	R
DA98C13004	DA983004	23/08/98	EL 5062	C	DA98C1A3004	Muscovite	0.748	Halloysite	0.252	71.795	1.002	1.017	R
DA98C13005	DA983005	23/08/98	EL 5062	C	DA98C1A3005	Muscovite	1	NULL	NULL	166.698	1.021	0.986	R
DA98C13006	DA983006	23/08/98	EL 5062	C	DA98C1A3006	Kaolinite	0.761	Tourmaline	0.239	583.071	1.025	0.969	R
DA98C13007	DA983007	23/08/98	EL 5061	C	DA98C1A3007	Illite	0.749	Gypsum	0.251	368.435	1	0.921	R
DA98C13008	DA983008	23/08/98	EL 5061	C	DA98C1A3008	Cerussite	0.704	Kaolinite	0.296	581.322	1.021	1	R
DA98C13200	DA983200	13/09/98	EL 5061	C	DA98C1A3200	Muscovite	0.753	Halloysite	0.247	31.408	1.01	1.029	R
DA98C13201	DA983201	13/09/98	EL 5061	C	DA98C1A3201	Illite	1	NULL	NULL	64.253	0.989	1.022	R
DA98C13202	DA983202	13/09/98	EL 5061	C	DA98C1A3202	Kaolinite	1	NULL	NULL	136.755	1.016	1.041	R
DA98C13203	DA983203	13/09/98	EL 5061	C	DA98C1A3203	Illite	1	NULL	NULL	33.958	0.995	1.056	R
DA98C13204	DA983204	13/09/98	EL 5061	C	DA98C1A3204	Illite	0.735	Kaolinite	0.265	58.292	1.013	1.072	R
DA98C13205	DA983205	13/09/98	EL 5061	C	DA98C1A3205	Illite	0.677	Halloysite	0.323	44.517	1.007	1.117	R
DA98C13206	DA983206	13/09/98	EL 5061	C	DA98C1A3206	Kaolinite	0.623	Illite	0.377	72.368	1.027	1.079	R
DA98C13207	DA983207	13/09/98	EL 5061	C	DA98C1A3207	Illite	0.824	Halloysite	0.176	35.043	1.012	1.116	R
DA98C13208	DA983208	13/09/98	EL 5061	C	DA98C1A3208	Illite	0.795	Halloysite	0.205	25.925	0.999	1.144	R
DA98C13209	DA983209	13/09/98	EL 5061	C	DA98C1A3209	Illite	0.718	Gibbsite	0.282	208.552	1.002	1.009	R
DA98C13210	DA983210	13/09/98	EL 5061	C	DA98C1A3210	Illite	1	NULL	NULL	89.431	0.999	1.069	R
DA98C13211	DA983211	13/09/98	EL 5061	C	DA98C1A3211	Illite	0.575	Kaolinite	0.425	79.402	0.998	1.118	R
DA98C13212	DA983212	13/09/98	EL 5061	C	DA98C1A3212	Kaolinite	0.53	Illite	0.47	79.105	0.994	1.072	R
DA98C13213	DA983213	13/09/98	EL 5061	C	DA98C1A3213	Kaolinite	0.504	Illite	0.496	60.886	0.999	1.117	R
DA98C13214	DA983214	13/09/98	EL 5061	C	DA98C1A3214	Illite	0.684	Nacrite	0.316	25.843	0.991	1.034	R
DA98C13215	DA983215	13/09/98	EL 5061	C	DA98C1A3215	Illite	1	NULL	NULL	44.64	0.974	1.114	R

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DA98C13216	DA983216	13/09/98	EL 5061	C	DA98C1A3216	Illite	1	NULL	NULL	54.222	1	1.117	R
DA98C13217	DA983217	13/09/98	EL 5061	C	DA98C1A3217	Illite	1	NULL	NULL	76.952	0.98	1.062	R
DA98C13218	DA983218	13/09/98	EL 5061	C	DA98C1A3218	Illite	1	NULL	NULL	20.887	1.004	1.002	R
DA98C13219	DA983219	13/09/98	EL 5061	C	DA98C1A3219	Dickite	0.661	Muscovite	0.339	90.109	0.938	1.128	R
DA98C13220	DA983220	13/09/98	EL 5061	C	DA98C1A3220	Muscovite	0.644	Kaolinite	0.356	64.721	1.018	1.091	R
DA98C13221	DA983221	13/09/98	EL 5061	C	DA98C1A3221	Nacrite	0.534	Illite	0.466	85.924	0.972	1.079	R
DA98C13222	DA983222	13/09/98	EL 5061	C	DA98C1A3222	Illite	0.718	Nacrite	0.282	79.227	1	1.054	R
DA98C13223	DA983223	13/09/98	EL 5061	C	DA98C1A3223	Muscovite	1	NULL	NULL	31.693	1.007	1.012	R
DA98C13224	DA983224	13/09/98	EL 5061	C	DA98C1A3224	Kaolinite	0.667	Illite	0.333	82.66	1.003	1.074	R
DA98C13225	DA983225	13/09/98	EL 5061	C	DA98C1A3225	Kaolinite	0.625	Illite	0.375	95.219	1.009	1.067	R
DA98C13226	DA983226	13/09/98	EL 5061	C	DA98C1A3226	Muscovite	1	NULL	NULL	68.786	1.006	1.015	R
DA98C13227	DA983227	13/09/98	EL 5061	C	DA98C1A3227	Illite	1	NULL	NULL	26.965	0.98	1.111	R
DA98C13228	DA983228	13/09/98	EL 5061	C	DA98C1A3228	Illite	1	NULL	NULL	22.969	0.993	1.09	R
DA98C13229	DA983229	13/09/98	EL 5061	C	DA98C1A3229	Illite	0.793	Kaolinite	0.207	47.4	1.005	1.044	R
DA98C13230	DA983230	13/09/98	EL 5061	C	DA98C1A3230	Illite	1	NULL	NULL	42.887	0.985	1.031	R
DA98C13231	DA983231	13/09/98	EL 5061	C	DA98C1A3231	Illite	0.836	Gypsum	0.164	94.114	0.996	0.976	R
DA98C13232	DA983232	13/09/98	EL 5061	C	DA98C1A3232	Illite	1	NULL	NULL	153.393	0.998	0.994	R
DA98C13233	DA983233	13/09/98	EL 5061	C	DA98C1A3233	Illite	0.78	Halloysite	0.22	25.528	0.99	1.087	R
DA98C13234	DA983234	13/09/98	EL 5061	C	DA98C1A3234	Kaolinite	0.518	Illite	0.482	56.133	1.009	1.167	R
DA98C13235	DA983235	13/09/98	EL 5061	C	DA98C1A3235	Illite	0.848	Halloysite	0.152	21.696	0.983	1.114	R
DA98C13236	DA983236	13/09/98	EL 5061	C	DA98C1A3236	Kaolinite	0.598	Illite	0.402	69.569	1.019	1.161	R
DA98C13237	DA983237	13/09/98	EL 5061	C	DA98C1A3237	Illite	0.79	Halloysite	0.21	74.501	0.995	1.037	R
DA98C13238	DA983238	13/09/98	EL 5061	C	DA98C1A3238	Illite	1	NULL	NULL	63.627	0.999	1.05	R
DA98C13239	DA983239	13/09/98	EL 5061	C	DA98C1A3239	Muscovite	0.64	Halloysite	0.36	75.2	1.009	1.06	R
DA98C13240	DA983240	13/09/98	EL 5061	C	DA98C1A3240	Illite	0.666	Kaolinite	0.334	71.93	1.004	1.065	R
DA98C13241	DA983241	13/09/98	EL 5061	C	DA98C1A3241	Illite	0.635	Kaolinite	0.365	82.405	0.998	1.06	R
DA98C13242	DA983242	13/09/98	EL 5061	C	DA98C1A3242	Illite	0.581	Nacrite	0.419	60.618	0.977	1.05	R
DA98C13243	DA983243	13/09/98	EL 5061	C	DA98C1A3243	Kaolinite	0.567	Illite	0.433	60.332	1.003	1.197	R
DA98C13244	DA983244	13/09/98	EL 5061	C	DA98C1A3244	Illite	1	NULL	NULL	65.186	0.99	1.078	R
DA98C13245	DA983245	13/09/98	EL 5061	C	DA98C1A3245	NULL	NULL	NULL	NULL	NULL	0.999	0.945	R
DA98C13246	DA983246	13/09/98	EL 5061	C	DA98C1A3246	Illite	0.631	Nacrite	0.369	85.543	0.982	1.032	R
DA98C13247	DA983247	13/09/98	EL 5061	C	DA98C1A3247	Nacrite	0.548	Illite	0.452	82.499	0.968	1.064	R
DA98C13248	DA983248	13/09/98	EL 5061	C	DA98C1A3248	Illite	0.538	Kaolinite	0.462	66.745	1	1.174	R
DA98C13249	DA983249	13/09/98	EL 5061	C	DA98C1A3249	Illite	0.64	Nacrite	0.36	64.117	1	1.035	R
DA98C13250	DA983250	13/09/98	EL 5061	C	DA98C1A3250	Illite	1	NULL	NULL	41.424	1.002	1.004	R
DA98C13251	DA983251	13/09/98	EL 5061	C	DA98C1A3251	Kaolinite	0.638	Illite	0.362	73.174	1.025	1.152	R
DA98C13252	DA983252	13/09/98	EL 5061	C	DA98C1A3252	Illite	0.629	Halloysite	0.371	50.478	1	1.09	R
DA98C13253	DA983253	13/09/98	EL 5061	C	DA98C1A3253	Illite	1	NULL	NULL	41.081	0.992	1.077	R
DA98C13254	DA983254	13/09/98	EL 5061	C	DA98C1A3254	Muscovite	1	NULL	NULL	34.335	1.011	1.011	R
DA98C13255	DA983255	13/09/98	EL 5061	C	DA98C1A3255	Muscovite	1	NULL	NULL	69.501	0.996	1.033	R
DA98C13256	DA983256	13/09/98	EL 5061	C	DA98C1A3256	Muscovite	1	NULL	NULL	16.57	1.002	0.977	R
DA98C13257	DA983257	13/09/98	EL 5061	C	DA98C1A3257	Muscovite	1	NULL	NULL	7.095	1.001	0.975	R
DA98C13258	DA983258	13/09/98	EL 5061	C	DA98C1A3258	NULL	NULL	NULL	NULL	NULL	1.009	0.952	R
DA98C13259	DA983259	13/09/98	EL 5061	C	DA98C1A3259	Illite	0.562	Kaolinite	0.438	100.116	0.997	1.079	R
DA98C13260	DA983260	13/09/98	EL 5061	C	DA98C1A3260	Illite	0.782	Halloysite	0.218	90.479	1	1.036	R
DA98C13261	DA983261	13/09/98	EL 5061	C	DA98C1A3261	Illite	1	NULL	NULL	90.734	0.996	1.038	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98C13262	DA983262	13/09/98	EL 5061	C	DA98C1A3262	Illite	0.779	Halloysite	0.221	50.87	0.996	1.073	R
DA98C13263	DA983263	13/09/98	EL 5061	C	DA98C1A3263	Illite	1	NULL	NULL	7.328	0.997	0.977	R
DA98C13264	DA983264	13/09/98	EL 5061	C	DA98C1A3264	Illite	1	NULL	NULL	51.567	1.003	1.038	R
DA98C13265	DA983265	13/09/98	EL 5061	C	DA98C1A3265	Illite	1	NULL	NULL	196.573	0.997	1.002	R
DA98C13266	DA983266	13/09/98	EL 5061	C	DA98C1A3266	Muscovite	1	NULL	NULL	51.333	0.996	0.989	R
DA98C13267	DA983267	13/09/98	EL 5061	C	DA98C1A3267	Illite	0.707	Halloysite	0.293	27.204	1.011	1.128	R
DA98C13268	DA983268	13/09/98	EL 5061	C	DA98C1A3268	Illite	0.74	Halloysite	0.26	90.325	1.008	1.032	R
DA98C13269	DA983269	14/09/98	EL 5061	C	DA98C1A3269	Illite	0.821	Halloysite	0.179	47.387	0.997	1.054	R
DA98C13270	DA983270	14/09/98	EL 5061	C	DA98C1A3270	Illite	0.653	Nacrite	0.347	76.574	0.991	1.149	R
DA98C13271	DA983271	14/09/98	EL 5061	C	DA98C1A3271	Illite	1	NULL	NULL	34.968	1	1.018	R
DA98C13272	DA983272	14/09/98	EL 5061	C	DA98C1A3272	Illite	1	NULL	NULL	67.241	1.001	1.083	R
DA98C13273	DA983273	14/09/98	EL 5061	C	DA98C1A3273	Illite	0.508	Kaolinite	0.492	93.781	1.013	1.105	R
DA98C13274	DA983274	14/09/98	EL 5061	C	DA98C1A3274	Illite	0.586	Nacrite	0.414	90.031	0.976	1.038	R
DA98C13275	DA983275	14/09/98	EL 5061	C	DA98C1A3275	Dickite	0.59	Illite	0.41	91.181	0.946	1.129	R
DA98C13276	DA983276	14/09/98	EL 5061	C	DA98C1A3276	Illite	1	NULL	NULL	42.573	0.997	1.06	R
DA98C13277	DA983277	14/09/98	EL 5061	C	DA98C1A3277	Illite	1	NULL	NULL	74.687	0.999	1.022	R
DA98C13278	DA983278	14/09/98	EL 5061	C	DA98C1A3278	Kaolinite	0.556	Illite	0.444	89.467	1	1.123	R
DA98C13279	DA983279	14/09/98	EL 5061	C	DA98C1A3279	Illite	0.799	Nacrite	0.201	35.801	0.968	1.132	R
DA98C13280	DA983280	14/09/98	EL 5061	C	DA98C1A3280	Illite	0.803	Nacrite	0.197	45.144	0.988	1.075	R
DA98C13281	DA983281	14/09/98	EL 5061	C	DA98C1A3281	Illite	0.658	Halloysite	0.342	66.928	1.004	1.11	R
DA98C13282	DA983282	14/09/98	EL 5061	C	DA98C1A3282	Illite	1	NULL	NULL	20.345	0.977	1.1	R
DA98C13283	DA983283	14/09/98	EL 5061	C	DA98C1A3283	Illite	1	NULL	NULL	86.196	0.998	1.026	R
DA98C13284	DA983284	14/09/98	EL 5061	C	DA98C1A3284	Kaolinite	0.584	Illite	0.416	102.235	0.995	1.061	R
DA98C13285	DA983285	14/09/98	EL 5061	C	DA98C1A3285	Illite	0.659	Muscovite	0.341	19.444	0.986	1.087	R
DA98C13286	DA983286	14/09/98	EL 5061	C	DA98C1A3286	Illite	1	NULL	NULL	36.403	0.995	1.081	R
DA98C13287	DA983287	14/09/98	EL 5061	C	DA98C1A3287	Illite	0.517	Kaolinite	0.483	90.877	1.006	1.073	R
DA98C13288	DA983288	14/09/98	EL 5061	C	DA98C1A3288	Illite	1	NULL	NULL	98.294	0.995	1.013	R
DA98C13289	DA983289	14/09/98	EL 5061	C	DA98C1A3289	Illite	0.589	Nacrite	0.411	48.641	0.986	1.053	R
DA98C13290	DA983290	14/09/98	EL 5061	C	DA98C1A3290	Illite	1	NULL	NULL	129.927	1.003	1.003	R
DA98C13291	DA983291	14/09/98	EL 5061	C	DA98C1A3291	Kaolinite	0.542	Illite	0.458	80.013	1.014	1.089	R
DA98C13292	DA983292	14/09/98	EL 5061	C	DA98C1A3292	Illite	1	NULL	NULL	65.654	0.996	1.014	R
DA98C13293	DA983293	14/09/98	EL 5061	C	DA98C1A3293	Illite	1	NULL	NULL	23.298	0.99	1.09	R
DA98C13294	DA983294	14/09/98	EL 5061	C	DA98C1A3294	Kaolinite	0.559	Illite	0.441	122.389	1.004	1.023	R
DA98C13295	DA983295	14/09/98	EL 5061	C	DA98C1A3295	Muscovite	1	NULL	NULL	12.274	1.003	0.981	R
DA98C13296	DA983296	14/09/98	EL 5061	C	DA98C1A3296	Illite	1	NULL	NULL	34.477	0.994	1.034	R
DA98C13297	DA983297	14/09/98	EL 5061	C	DA98C1A3297	Kaolinite	0.726	Illite	0.274	75.25	1.029	1.199	R
DA98C13298	DA983298	14/09/98	EL 5061	C	DA98C1A3298	Illite	1	NULL	NULL	77.596	0.997	1.025	R
DA98C13299	DA983299	14/09/98	EL 5061	C	DA98C1A3299	Illite	1	NULL	NULL	60.863	0.998	1.029	R
DA98C13300	DA983300	14/09/98	EL 5061	C	DA98C1A3300	Illite	1	NULL	NULL	37.758	0.99	1.036	R
DA98C13301	DA983301	14/09/98	EL 5061	C	DA98C1A3301	Illite	0.543	Nacrite	0.457	69.429	0.969	1.152	R
DA98C13302	DA983302	14/09/98	EL 5061	C	DA98C1A3302	Nacrite	0.647	Dickite	0.353	108.899	0.917	1.116	R
DA98C13303	DA983303	14/09/98	EL 5061	C	DA98C1A3303	Illite	0.773	Halloysite	0.227	50.707	1.002	1.118	R
DA98C13304	DA983304	14/09/98	EL 5061	C	DA98C1A3304	Nacrite	0.604	Kaolinite	0.396	78.498	0.898	1.261	R
DA98C13305	DA983305	16/09/98	EL 5062	C	DA98C1A3305	Kaolinite	0.754	Muscovite	0.246	55.789	1.032	1.152	R
DA98C13306	DA983306	16/09/98	EL 5062	C	DA98C1A3306	Illite	1	NULL	NULL	173.744	1.009	0.985	R
DA98C13308	DA983308	16/09/98	EL 5062	C	DA98C1A3308	Illite	0.758	Witherite	0.242	292.886	1.004	0.98	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98C13313	DA983313	16/09/98	EL 5062	C	DA98C1A3313	Illite	0.76	Witherite	0.24	288.379	1	0.98	R
DA98C13318	DA983318	16/09/98	EL 5062	C	DA98C1A3318	Kaolinite	0.569	Muscovite	0.431	105.143	1.001	1.004	R
DA98C13322	DA983322	16/09/98	EL 5062	C	DA98C1A3322	Kaolinite	1	NULL	NULL	227.093	1.014	1.047	R
DA98C13323	DA983323	16/09/98	EL 5062	C	DA98C1A3323	Kaolinite	0.861	Gypsum	0.139	257.651	1.014	0.96	R
DA98C13328	DA983328	16/09/98	EL 5062	C	DA98C1A3328	Illite	0.664	Kaolinite	0.336	120.007	1.001	1.004	R
DA98C13329	DA983329	16/09/98	EL 5062	C	DA98C1A3329	Muscovite	1	NULL	NULL	72.505	1.025	1.016	R
DA98C13330	DA983330	16/09/98	EL 5062	C	DA98C1A3330	Muscovite	1	NULL	NULL	118.375	1.002	0.966	R
DA98C13331	DA983331	16/09/98	EL 5062	C	DA98C1A3331	Illite	0.731	Gypsum	0.269	233.189	1.012	0.886	R
DA98C13332	DA983332	16/09/98	EL 5062	C	DA98C1A3332	Muscovite	0.561	Kaolinite	0.439	131.378	1.005	1.008	R
DA98C13333	DA983333	16/09/98	EL 5062	C	DA98C1A3333	Muscovite	0.599	Kaolinite	0.401	181.467	1.006	0.992	R
DA98C13335	DA983335	16/09/98	EL 5062	C	DA98C1A3335	Muscovite	0.871	Gypsum	0.129	239.737	1.012	0.95	R
DA98C13339	DA983339	16/09/98	EL 5062	C	DA98C1A3339	Muscovite	0.589	Halloysite	0.411	84.651	1.009	1.063	R
DA98C13341	DA983341	16/09/98	EL 5062	C	DA98C1A3341	Muscovite	1	NULL	NULL	122.73	1.015	0.96	R
DA98C13342	DA983342	16/09/98	EL 5062	C	DA98C1A3342	Muscovite	1	NULL	NULL	122.73	1.015	0.96	R
DA98C13355	DA983355	16/09/98	EL 5062	C	DA98C1A3355	Muscovite	0.603	Kaolinite	0.397	88.533	1.018	1.004	R
DA98C13358	DA983358	16/09/98	EL 5062	C	DA98C1A3358	Muscovite	0.61	Kaolinite	0.39	136.531	1.011	0.995	R
DA98C13367	DA983367	16/09/98	EL 5062	C	DA98C1A3367	Kaolinite	1	NULL	NULL	72.847	1.068	1.26	R
DA98C13368	DA983368	16/09/98	EL 5062	C	DA98C1A3368	Kaolinite	1	NULL	NULL	61.951	1.05	1.224	R
DA98C13369	DA983369	16/09/98	EL 5062	C	DA98C1A3369	Muscovite	0.651	Halloysite	0.349	93.636	1.013	1.061	R
DA98C13370	DA983370	16/09/98	EL 5062	C	DA98C1A3370	Kaolinite	0.635	Muscovite	0.365	237.88	1.004	1.014	R
DA98C13372	DA983372	16/09/98	EL 5062	C	DA98C1A3372	Illite	1	NULL	NULL	24.672	0.993	1.042	R
DA98C13373	DA983373	16/09/98	EL 5062	C	DA98C1A3373	Cerussite	0.542	Muscovite	0.458	295.074	1.003	0.985	R
DA98C13374	DA983374	16/09/98	EL 5062	C	DA98C1A3374	Illite	0.802	Gypsum	0.198	212.342	1	0.939	R
DA98C13376	DA983376	16/09/98	EL 5062	C	DA98C1A3376	Muscovite	0.609	Halloysite	0.391	82.97	1.012	1.05	R
DA98C13377	DA983377	16/09/98	EL 5062	C	DA98C1A3377	Muscovite	0.729	Halloysite	0.271	119.219	1.012	1.013	R
DA98C13380	DA983380	17/09/98	EL 5062	C	DA98C1A3380	Kaolinite	1	NULL	NULL	72.946	1.001	1.019	R
DA98C13381	DA983381	17/09/98	EL 5062	C	DA98C1A3381	Muscovite	1	NULL	NULL	164.483	0.999	0.988	R
DA98C13382	DA983382	17/09/98	EL 5062	C	DA98C1A3382	Kaolinite	1	NULL	NULL	84.171	1.039	1.138	R
DA98C13383	DA983383	17/09/98	EL 5062	C	DA98C1A3383	Illite	0.56	Kaolinite	0.44	75.319	1.003	1.066	R
DA98C13385	DA983385	17/09/98	EL 5062	C	DA98C1A3385	Kaolinite	1	NULL	NULL	55.847	1.068	1.22	R
DA98C13388	DA983388	17/09/98	EL 5062	C	DA98C1A3388	Illite	1	NULL	NULL	91.294	1.002	1.039	R
DA98C13389	DA983389	17/09/98	EL 5062	C	DA98C1A3389	Muscovite	1	NULL	NULL	132.989	1.005	0.969	R
DA98C13390	DA983390	17/09/98	EL 5062	C	DA98C1A3390	Muscovite	0.661	Ankerite	0.339	292.398	1.009	0.965	R
DA98C13396	DA983396	17/09/98	EL 5062	C	DA98C1A3396	Kaolinite	0.557	Illite	0.443	118.608	1.008	0.963	R
DA98C13402	DA983402	16/09/98	EL 5062	C	DA98C1A3402	Illite	1	NULL	NULL	174.937	1.006	0.981	R
DA98C13408	DA983408	16/09/98	EL 5062	C	DA98C1A3408	Cerussite	1	NULL	NULL	146.686	1.009	0.974	R
DA98C13413	DA983413	16/09/98	EL 5062	C	DA98C1A3413	Kaolinite	1	NULL	NULL	78.723	1.045	1.129	R
DA98C13416	DA983416	16/09/98	EL 5062	C	DA98C1A3416	Illite	0.861	Gypsum	0.139	173.637	1.001	0.945	R
DA98C13417	DA983417	16/09/98	EL 5062	C	DA98C1A3417	Kaolinite	0.539	Muscovite	0.461	109.717	1.029	1.084	R
DA98C13418	DA983418	16/09/98	EL 5062	C	DA98C1A3418	Illite	1	NULL	NULL	246.742	1.009	0.983	R
DA98C13419	DA983419	16/09/98	EL 5062	C	DA98C1A3419	Muscovite	0.573	Halloysite	0.427	324.506	1.006	0.996	R
DA98C13420	DA983420	16/09/98	EL 5062	C	DA98C1A3420	Muscovite	0.577	Halloysite	0.423	104.447	1.018	1.066	R
DA98C13421	DA983421	16/09/98	EL 5062	C	DA98C1A3421	Muscovite	0.577	Halloysite	0.423	104.447	1.018	1.066	R
DA98C13427	DA983427	16/09/98	EL 5062	C	DA98C1A3427	Kaolinite	1	NULL	NULL	49.512	1.01	1.028	R
DA98C13428	DA983428	16/09/98	EL 5062	C	DA98C1A3428	Kaolinite	0.88	Gypsum	0.12	203.73	1.043	0.971	R
DA98C13432	DA983432	16/09/98	EL 5062	C	DA98C1A3432	Kaolinite	1	NULL	NULL	249.313	1.009	1.024	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98C13437	DA983437	16/09/98	EL 5062	C	DA98C1A3437	Muscovite	1	NULL	NULL	102.127	1.009	0.992	
DA98C13438	DA983438	16/09/98	EL 5062	C	DA98C1A3438	Muscovite	0.605	Halloysite	0.395	68.548	1.018	1.071	R
DA98C13439	DA983439	16/09/98	EL 5062	C	DA98C1A3439	Illite	0.864	Gypsum	0.136	216.316	0.996	0.941	R
DA98C13440	DA983440	16/09/98	EL 5062	C	DA98C1A3440	Illite	0.823	Gypsum	0.177	159.747	1.005	0.945	R
DA98C13444	DA983444	16/09/98	EL 5062	C	DA98C1A3444	Illite	0.662	Kaolinite	0.338	74.546	0.997	1.07	R
DA98C13446	DA983446	16/09/98	EL 5062	C	DA98C1A3446	Illite	1	NULL	NULL	204.84	1.004	1.004	R
DA98C13447	DA983447	16/09/98	EL 5062	C	DA98C1A3447	Halloysite	0.515	Illite	0.485	55.887	1.023	1.174	R
DA98C13448	DA983448	16/09/98	EL 5062	C	DA98C1A3448	Illite	1	NULL	NULL	135.247	1.001	1.022	R
DA98C13449	DA983449	16/09/98	EL 5062	C	DA98C1A3449	Illite	1	NULL	NULL	145.399	1.004	1.011	R
DA98C13451	DA983451	16/09/98	EL 5062	C	DA98C1A3451	Illite	1	NULL	NULL	139.131	0.986	0.991	R
DA98C13453	DA983453	16/09/98	EL 5062	C	DA98C1A3453	Illite	0.806	Gypsum	0.194	151.544	1.005	0.956	R
DA98C13454	DA983454	16/09/98	EL 5062	C	DA98C1A3454	Muscovite	0.695	Halloysite	0.305	186.216	1.004	1.001	R
DA98C13455	DA983455	16/09/98	EL 5062	C	DA98C1A3455	Muscovite	0.893	Gypsum	0.107	187.59	0.997	0.98	R
DA98C13457	DA983457	16/09/98	EL 5062	C	DA98C1A3457	Muscovite	0.612	Kaolinite	0.388	84.943	1.016	1.046	R
DA98C13460	DA983460	17/09/98	EL 5062	C	DA98C1A3460	Kaolinite	1	NULL	NULL	53.018	1.028	1.166	R
DA98C13461	DA983461	17/09/98	EL 5062	C	DA98C1A3461	Kaolinite	1	NULL	NULL	93.123	1.044	1.122	R
DA98C13463	DA983463	17/09/98	EL 5062	C	DA98C1A3463	Kaolinite	0.673	Illite	0.327	119.779	1.014	1.03	R
DA98C13464	DA983464	17/09/98	EL 5062	C	DA98C1A3464	Kaolinite	1	NULL	NULL	172.698	1.016	1.038	R
DA98C13465	DA983465	17/09/98	EL 5062	C	DA98C1A3465	Muscovite	0.681	Halloysite	0.319	180.684	1.012	1.015	R
DA98C13466	DA983466	17/09/98	EL 5062	C	DA98C1A3466	Kaolinite	1	NULL	NULL	191.592	1.01	1.023	R
DA98C13467	DA983467	17/09/98	EL 5062	C	DA98C1A3467	NULL	NULL	NULL	NULL	NULL	1.001	0.977	R
DA98C13468	DA983468	17/09/98	EL 5062	C	DA98C1A3468	Muscovite	0.615	Kaolinite	0.385	221.724	1.004	0.988	R
DA98C13469	DA983469	17/09/98	EL 5062	C	DA98C1A3469	Muscovite	0.603	Kaolinite	0.397	115.332	1.006	1.014	R
DA98C13470	DA983470	17/09/98	EL 5062	C	DA98C1A3470	Illite	0.594	Halloysite	0.406	90.406	1.003	1.007	R
DA98C13471	DA983471	17/09/98	EL 5062	C	DA98C1A3471	Kaolinite	0.67	Illite	0.33	170.059	1.012	0.978	R
DA98C13474	DA983474	17/09/98	EL 5062	C	DA98C1A3474	Illite	0.846	Gypsum	0.154	155.238	1.001	1.02	R
DA98C13475	DA983475	17/09/98	EL 5062	C	DA98C1A3475	NULL	NULL	NULL	NULL	NULL	0.996	0.919	R
DA98C13476	DA983476	17/09/98	EL 5062	C	DA98C1A3476	Illite	1	NULL	NULL	155.929	0.998	0.907	R
DA98C13477	DA983477	17/09/98	EL 5062	C	DA98C1A3477	Kaolinite	0.624	Muscovite	0.376	84.346	1.032	1.083	R
DA98C13478	DA983478	17/09/98	EL 5062	C	DA98C1A3478	Muscovite	0.658	Halloysite	0.342	90.874	1.017	1.053	R
DA98C13479	DA983479	17/09/98	EL 5062	C	DA98C1A3479	Illite	1	NULL	NULL	146.169	1.015	1.028	R
DA98C13486	DA983486	17/09/98	EL 5062	C	DA98C1A3486	Muscovite	0.641	Kaolinite	0.359	112.791	1.008	1.028	R
DA98C13490	DA983490	17/09/98	EL 5062	C	DA98C1A3490	Halloysite	1	NULL	NULL	216.94	1.011	0.999	R
DA98C13491	DA983491	17/09/98	EL 5062	C	DA98C1A3491	Kaolinite	0.673	Nacrite	0.327	68.539	1.004	1.114	R
DA98C13492	DA983492	17/09/98	EL 5062	C	DA98C1A3492	Kaolinite	1	NULL	NULL	105.358	1.018	1.106	R
DA98C13493	DA983493	17/09/98	EL 5062	C	DA98C1A3493	Halloysite	0.63	Gibbsite	0.37	103.71	1.008	1.054	R
DA98C13508	DA983508	17/09/98	EL 5062	C	DA98C1A3508	Kaolinite	0.544	Halloysite	0.456	72.307	1.013	1.085	R
DA98C13604	DA983604	17/09/98	EL 5062	C	DA98C1A3604	Kaolinite	1	NULL	NULL	105.569	1.063	1.02	R
DA98C13605	DA983605	17/09/98	EL 5062	C	DA98C1A3605	Montmorillonite	0.776	Halloysite	0.224	401.84	1.008	0.816	R
DA98C13608	DA983608	17/09/98	EL 5062	C	DA98C1A3608	Kaolinite	1	NULL	NULL	154.005	1.024	1.038	R
DA98C23608	DA983608	17/09/98	EL 5062	C	DA98C2A3608	Kaolinite	0.686	Illite	0.314	173.65	1.017	1.011	D
DA98B13609	DA983609	19/09/98	EL 5062	B	DA98B1A3609	Dickite	0.644	Nacrite	0.356	45.521	0.836	1.167	R
DA98B13610	DA983610	19/09/98	EL 5062	B	DA98B1A3610	Illite	0.82	Dickite	0.18	100.507	0.992	1.058	R
DA98B13611	DA983611	19/09/98	EL 5062	B	DA98B1A3611	Illite	0.676	Nacrite	0.324	51.638	0.925	1.168	R
DA98B13612	DA983612	19/09/98	EL 5062	B	DA98B1A3612	Illite	0.769	Paragonite	0.231	24.744	0.977	1.092	R
DA98B13613	DA983613	19/09/98	EL 5062	B	DA98B1A3613	Illite	1	NULL	NULL	106.761	1.005	1.01	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98B13614	DA983614	19/09/98	EL 5062	B	DA98B1A3614	Cerussite	0.721	Paragonite	0.279	430.061	1.003	0.954	R
DA98B13615	DA983615	19/09/98	EL 5061	B	DA98B1A3615	Illite	1	NULL	NULL	104.959	0.999	1.02	R
DA98B13616	DA983616	19/09/98	EL 5061	B	DA98B1A3616	Illite	0.714	Paragonite	0.286	35.063	0.991	1.103	R
DA98B13617	DA983617	19/09/98	EL 5061	B	DA98B1A3617	Illite	1	NULL	NULL	107.444	0.998	1.024	R
DA98B13618	DA983618	19/09/98	EL 5061	B	DA98B1A3618	Illite	1	NULL	NULL	147.778	1.001	0.996	R
DA98B13619	DA983619	19/09/98	EL 5061	B	DA98B1A3619	Muscovite	1	NULL	NULL	93.447	1.002	0.986	R
DA98B13620	DA983620	19/09/98	EL 5061	B	DA98B1A3620	Illite	0.623	Kaolinite	0.377	39.538	1.007	1.076	R
DA98B13621	DA983621	19/09/98	EL 5061	B	DA98B1A3621	Illite	1	NULL	NULL	148.677	1.003	0.99	R
DA98B13622	DA983622	19/09/98	EL 5061	B	DA98B1A3622	Illite	1	NULL	NULL	140.532	0.995	0.997	R
DA98B13623	DA983623	19/09/98	EL 5061	B	DA98B1A3623	Illite	1	NULL	NULL	61.72	0.998	1.015	R
DA98B13624	DA983624	19/09/98	EL 5061	B	DA98B1A3624	Illite	1	NULL	NULL	79.206	0.996	1.012	R
DA98B13625	DA983625	20/09/98	EL 5062	B	DA98B1A3625	Illite	1	NULL	NULL	128.759	0.995	1.016	R
DA98B13626	DA983626	20/09/98	EL 5062	B	DA98B1A3626	Illite	1	NULL	NULL	57.878	0.974	1.087	R
DA98B13627	DA983627	20/09/98	EL 5062	B	DA98B1A3627	Dickite	0.633	Illite	0.367	37.56	0.835	1.264	R
DA98B13628	DA983628	20/09/98	EL 5062	B	DA98B1A3628	Paragonite	0.501	Muscovite	0.499	82.473	0.991	1.051	R
DA98B13629	DA983629	20/09/98	EL 5062	B	DA98B1A3629	Illite	1	NULL	NULL	189.15	0.995	0.984	R
DA98B13630	DA983630	20/09/98	EL 5062	B	DA98B1A3630	Illite	1	NULL	NULL	119.151	0.997	0.989	R
DA98B13631	DA983631	20/09/98	EL 5062	B	DA98B1A3631	Illite	0.614	Paragonite	0.386	54.475	0.956	1.139	R
DA98B13632	DA983632	20/09/98	EL 5062	B	DA98B1A3632	Illite	0.5	Dickite	0.5	93.952	0.946	1.081	R
DA98B13633	DA983633	20/09/98	EL 5062	B	DA98B1A3633	Illite	1	NULL	NULL	91.535	0.996	1.049	R
DA98B13634	DA983634	20/09/98	EL 5062	B	DA98B1A3634	Illite	0.554	Kaolinite	0.446	68.461	1.009	1.061	R
DA98B13635	DA983635	20/09/98	EL 5062	B	DA98B1A3635	Illite	1	NULL	NULL	131.423	0.996	1.004	R
DA98B13636	DA983636	20/09/98	EL 5061	B	DA98B1A3636	Illite	0.759	Kaolinite	0.241	37.17	1.01	1.126	R
DA98B13637	DA983637	20/09/98	EL 5061	B	DA98B1A3637	Illite	0.774	Kaolinite	0.226	83.925	0.997	1.057	R
DA98B13638	DA983638	20/09/98	EL 5061	B	DA98B1A3638	Illite	0.581	Paragonite	0.419	31.885	0.977	1.146	R
DA98B13639	DA983639	20/09/98	EL 5061	B	DA98B1A3639	Illite	1	NULL	NULL	74.946	0.997	1.01	R
DA98B13640	DA983640	20/09/98	EL 5061	B	DA98B1A3640	Illite	0.815	Gypsum	0.185	189.125	1.002	0.93	R
DA98B13641	DA983641	20/09/98	EL 5061	B	DA98B1A3641	Illite	1	NULL	NULL	84.267	1.003	0.962	R
DA98B13642	DA983642	21/09/98	EL 5061	B	DA98B1A3642	Illite	1	NULL	NULL	47.99	0.995	1.058	R
DA98B13643	DA983643	21/09/98	EL 5061	B	DA98B1A3643	Illite	1	NULL	NULL	22.531	1	1.074	R
DA98B13644	DA983644	21/09/98	EL 5061	B	DA98B1A3644	Illite	0.518	Kaolinite	0.482	78.185	1.007	1.012	R
DA98B13645	DA983645	21/09/98	EL 5061	B	DA98B1A3645	Illite	1	NULL	NULL	236.313	0.997	0.961	R
DA98B13646	DA983646	21/09/98	EL 5061	B	DA98B1A3646	Kaolinite	0.512	Illite	0.488	39.167	1.012	1.07	R
DA98B13647	DA983647	21/09/98	EL 5061	B	DA98B1A3647	Illite	0.82	Gypsum	0.18	194.502	0.999	0.984	R
DA98B13648	DA983648	21/09/98	EL 5061	B	DA98B1A3648	Illite	1	NULL	NULL	113.635	0.993	1.021	R
DA98B13649	DA983649	21/09/98	EL 5061	B	DA98B1A3649	Illite	0.666	Kaolinite	0.334	35.848	1.023	1.077	R
DA98B13650	DA983650	21/09/98	EL 5061	B	DA98B1A3650	Kaolinite	0.513	Illite	0.487	26.941	1.014	1.128	R
DA98B13651	DA983651	21/09/98	EL 5061	B	DA98B1A3651	Illite	0.713	Paragonite	0.287	25.709	0.968	1.124	R
DA98B13652	DA983652	21/09/98	EL 5061	B	DA98B1A3652	Illite	0.524	Kaolinite	0.476	54.332	1.019	1.052	R
DA98B13653	DA983653	21/09/98	EL 5061	B	DA98B1A3653	Kaolinite	0.54	Muscovite	0.46	80.155	1.013	1.075	R
DA98B13654	DA983654	21/09/98	EL 5061	B	DA98B1A3654	Kaolinite	0.69	Illite	0.31	46.247	1.023	1.157	
DA98B13655	DA983655	21/09/98	EL 5061	B	DA98B1A3655	Illite	1	NULL	NULL	157.711	0.992	0.958	R
DA98B13656	DA983656	21/09/98	EL 5061	B	DA98B1A3656	Illite	1	NULL	NULL	90.537	0.995	1.008	R
DA98B13657	DA983657	21/09/98	EL 5061	B	DA98B1A3657	Illite	0.693	Kaolinite	0.307	49.991	1.018	1.034	R
DA98B13658	DA983658	21/09/98	EL 5061	B	DA98B1A3658	Kaolinite	1	NULL	NULL	42.699	1.088	1.25	R
DA98B13659	DA983659	23/09/98	EL 5061	B	DA98B1A3659	Kaolinite	1	NULL	NULL	42.699	1.088	1.25	R

Sample Number	Station ID	Date	EL Name	Sample Code	Pima File	TSA Mineral 1	TSA Weight 1	Tsa Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH Crystallinity	Representation
DA98B13660	DA983660	23/09/98	EL 5061	B	DA98B1A3660	Muscovite	0.721	Kaolinite	0.279	30.497	0.99	1.012	R
DA98B13661	DA983661	23/09/98	EL 5061	B	DA98B1A3661	Illite	1	NULL	NULL	72.129	1.001	1.024	R
DA98B13662	DA983662	23/09/98	EL 5061	B	DA98B1A3662	Kaolinite	0.609	Muscovite	0.391	85.727	1.043	1.048	R
DA98B13663	DA983663	23/09/98	EL 5061	B	DA98B1A3663	NULL	NULL	NULL	NULL	NULL	1.005	0.962	R
DA98B13664	DA983664	23/09/98	EL 5061	B	DA98B1A3664	Muscovite	1	NULL	NULL	169.514	1.019	0.985	R
DA98B13665	DA983665	23/09/98	EL 5061	B	DA98B1A3665	Muscovite	1	NULL	NULL	135.39	1.002	0.986	R
DA98B13666	DA983666	23/09/98	EL 5061	B	DA98B1A3666	Illite	1	NULL	NULL	150.169	1.002	1.002	R
DA98B13667	DA983667	23/09/98	EL 5061	B	DA98B1A3667	Illite	1	NULL	NULL	50.791	0.995	1.079	R
DA98B13668	DA983668	23/09/98	EL 5061	B	DA98B1A3668	Illite	1	NULL	NULL	144.372	0.998	1.004	R
DA98B13669	DA983669	23/09/98	EL 5061	B	DA98B1A3669	Illite	1	NULL	NULL	87.749	0.999	1.037	R
DA98B13670	DA983670	23/09/98	EL 5061	B	DA98B1A3670	Illite	0.529	Kaolinite	0.471	55.924	1.002	1.053	R
DA98B13671	DA983671	23/09/98	EL 5061	B	DA98B1A3671	Illite	1	NULL	NULL	103.31	0.996	1.003	R
DA98B13672	DA983672	23/09/98	EL 5061	B	DA98B1A3672	Illite	0.533	Kaolinite	0.467	191.293	0.998	0.989	R
DA98B13673	DA983673	23/09/98	EL 5061	B	DA98B1A3673	Illite	1	NULL	NULL	210.902	1.006	0.983	R
DA98B13674	DA983674	23/09/98	EL 5061	B	DA98B1A3674	Kaolinite	1	NULL	NULL	78.469	1.03	1.096	R
DA98B13675	DA983675	23/09/98	EL 5061	B	DA98B1A3675	Illite	1	NULL	NULL	21.114	0.979	1.141	R
DA98B13676	DA983676	23/09/98	EL 5061	B	DA98B1A3676	Illite	1	NULL	NULL	61.636	1.003	1.027	R
DA98B13677	DA983677	23/09/98	EL 5061	B	DA98B1A3677	Kaolinite	0.541	Illite	0.459	38.659	0.999	1.073	
DA98B13678	DA983678	23/09/98	EL 5061	B	DA98B1A3678	NULL	NULL	NULL	NULL	NULL	0.997	0.881	R
DA98B13679	DA983679	23/09/98	EL 5061	B	DA98B1A3679	Illite	0.833	Gypsum	0.167	153.293	0.998	0.959	R
DA98B13680	DA983680	23/09/98	EL 5061	B	DA98B1A3680	Illite	1	NULL	NULL	59.799	1.008	1.051	R
DA98B13681	DA983681	23/09/98	EL 5061	B	DA98B1A3681	Illite	1	NULL	NULL	127.352	0.991	1.002	R
DA98B13682	DA983682	23/09/98	EL 5061	B	DA98B1A3682	Illite	0.545	Kaolinite	0.455	29.68	1.018	1.135	R
DA98B13683	DA983683	23/09/98	EL 5061	B	DA98B1A3683	Illite	1	NULL	NULL	43.577	0.997	1.04	R
DA98B13684	DA983684	23/09/98	EL 5061	B	DA98B1A3684	Illite	1	NULL	NULL	67.56	1.004	1.033	R
DA98B13685	DA983685	23/09/98	EL 5061	B	DA98B1A3685	Illite	1	NULL	NULL	58.97	0.991	1.013	R
DA98B13686	DA983686	23/09/98	EL 5061	B	DA98B1A3686	Illite	0.828	Gypsum	0.172	170.506	1.007	0.962	R
DA98B13687	DA983687	23/09/98	EL 5061	B	DA98B1A3687	Illite	0.699	Gypsum	0.301	467.537	0.999	0.912	R
DA98B13688	DA983688	23/09/98	EL 5061	B	DA98B1A3688	Illite	0.536	Kaolinite	0.464	44.254	1.02	1.054	R
DA98B13689	DA983689	24/09/98	EL 5061	B	DA98B1A3689	Halloysite	0.688	Gibbsite	0.312	223.378	1.007	1.02	R
DA98B13690	DA983690	24/09/98	EL 5061	B	DA98B1A3690	Illite	1	NULL	NULL	135.816	0.999	0.987	R
DA98B13691	DA983691	24/09/98	EL 5061	B	DA98B1A3691	Illite	1	NULL	NULL	174.784	1.002	0.985	R
DA98B13692	DA983692	24/09/98	EL 5061	B	DA98B1A3692	Muscovite	1	NULL	NULL	125.018	1.002	0.991	R
DA98B13693	DA983693	24/09/98	EL 5061	B	DA98B1A3693	Muscovite	1	NULL	NULL	52.705	1.005	1.011	R
DA98B13694	DA983694	24/09/98	EL 5061	B	DA98B1A3694	Illite	0.516	Kaolinite	0.484	37.432	1.034	1.139	R
DA98B13695	DA983695	24/09/98	EL 5061	B	DA98B1A3695	Muscovite	0.751	Halloysite	0.249	52.953	1.009	1.036	R

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10004	1/08/98	EL 5062	302857	8497802	da98b1A0004	100	0	0	0	0	0	0	0	2196	2356	27.2289
DA98B10005	1/08/98	EL 5062	305132	8497937	da98b1A0005	100	0	0	0	0	0	0	0	2196	2356	26.32198
DA98B10006	1/08/98	EL 5062	291724	8499808	da98b1A0006	100	0	0	0	0	0	0	0	2196	2348	34.58473
DA98B10007	1/08/98	EL 5062	293991	8499841	da98b1A0007	100	0	0	0	0	0	0	0	2196	2348	34.58473
DA98B10008	1/08/98	EL 5062	295961	8499791	da98b1A0008	100	0	0	0	0	0	0	0	2192	2352	39.04584
DA98B10009	1/08/98	EL 5062	297945	8499773	da98b1A0009	100	0	0	0	0	0	0	0	2192	2350	15.29067
DA98B10010	1/08/98	EL 5062	299943	8499815	da98b1A0010	75.23785	0	0	24.76214	0	0	0	0	2204	2356	28.87707
DA98B10011	1/08/98	EL 5062	302012	8499875	da98b1A0011	100	0	0	0	0	0	0	0	2194	0	12.01635
DA98B10012	1/08/98	EL 5062	304101	8499987	da98b1A0012	73.47827	0	0	26.52172	0	0	0	0	2204	2352	27.40605
DA98B10013	1/08/98	EL 5062	308198	8500213	da98b1A0013	15.03548	0	0	84.96452	0	0	0	0	2204	2354	24.27289
DA98B10014	1/08/98	EL 5062	310089	8499500	da98b1A0014	100	0	0	0	0	0	0	0	2204	2350	21.82416
DA98B10024	23/09/98	EL 5061	340968	8537813	DA98B1A0024	100	0	0	0	0	0	0	0	2204	0	29.57311
DA98B10025	23/09/98	EL 5061	341235	8541957	DA98B1A0025	100	0	0	0	0	0	0	0	2204	0	44.23491
DA98B10026	23/09/98	EL 5061	340917	8546123	DA98B1A0026	100	0	0	0	0	0	0	0	2202	0	14.71792
DA98B10027	23/09/98	EL 5061	340881	8549919	DA98B1A0027	78.77449	0	0	21.22551	0	0	0	0	2204	0	32.86878
DA98B10028	23/09/98	EL 5061	340806	8552041	DA98B1A0028	100	0	0	0	0	0	0	0	2206	0	12.25426
DA98B10029	23/09/98	EL 5061	341641	8554693	DA98B1A0029	100	0	0	0	0	0	0	0	2202	0	18.61816
DA98B10030	23/09/98	EL 5061	341077	8556449	DA98B1A0030	65.98085	0	0	0	34	0	0	0	2206	2346	4.323674
DA98B10031	23/09/98	EL 5061	341061	8558134	DA98B1A0031	97.26637	0	0	2.733636	0	0	0	0	2204	0	28.49586
DA98B10032	23/09/98	EL 5061	341247	8559847	DA98B1A0032	91.87339	8	0	0	0	0	0	0	2200	0	11.74472
DA98B10033	23/09/98	EL 5061	342379	8561928	DA98B1A0033	100	0	0	0	0	0	0	0	2202	0	9.393241
DA98B10034	23/09/98	EL 5061	341985	8560016	DA98B1A0034	93.62594	0	0	0	0	6	0	0	2200	0	24.75355
DA98B10035	23/09/98	EL 5061	341921	8558021	DA98B1A0035	91.48992	0	0	0	0	9	0	0	2196	2346	9.532198
DA98B10036	23/09/98	EL 5061	342382	8555847	DA98B1A0036	100	0	0	0	0	0	0	0	2198	0	29.34392
DA98B10037	23/09/98	EL 5061	341971	8554241	DA98B1A0037	48.08168	0	0	51.91832	0	0	0	0	2206	0	43.9997
DA98B10038	23/09/98	EL 5061	342446	8552008	DA98B1A0038	100	0	0	0	0	0	0	0	2202	0	28.0702
DA98B10039	23/09/98	EL 5061	342032	8549367	DA98B1A0039	100	0	0	0	0	0	0	0	2202	0	26.65615
DA98B10040	23/09/98	EL 5061	341966	8548081	DA98B1A0040	100	0	0	0	0	0	0	0	2204	0	38.67752
DA98B10041	23/09/98	EL 5061	341894	8546036	DA98B1A0041	81.70086	0	0	0	0	18	0	0	2198	2338	6.237141
DA98B10042	23/09/98	EL 5061	344989	8547962	DA98B1A0042	100	0	0	0	0	0	0	0	2200	0	15.94278
DA98B10043	23/09/98	EL 5061	344954	8549803	DA98B1A0043	86.46855	14	0	0	0	0	0	0	2194	0	37.31948
DA98B10044	23/09/98	EL 5061	344931	8552301	DA98B1A0044	100	0	0	0	0	0	0	0	2204	0	26.66644
DA98B10045	23/09/98	EL 5061	344944	8554076	DA98B1A0045	100	0	0	0	0	0	0	0	2204	0	9.068461
DA98B10046	23/09/98	EL 5061	344983	8556301	DA98B1A0046	100	0	0	0	0	0	0	0	2200	0	27.31951
DA98B10047	23/09/98	EL 5061	345149	8558696	DA98B1A0047	100	0	0	0	0	0	0	0	2202	0	25.66537
DA98B10048	23/09/98	EL 5061	345100	8560221	DA98B1A0048	100	0	0	0	0	0	0	0	2206	0	22.63371
DA98B10049	23/09/98	EL 5061	346038	8561993	DA98B1A0049	100	0	0	0	0	0	0	0	2204	0	34.02134
DA98B10050	23/09/98	EL 5061	346032	8557932	DA98B1A0050	58.52035	0	0	41.47965	0	0	0	0	2206	0	32.34499
DA98B10051	23/09/98	EL 5061	345990	8553942	DA98B1A0051	0	0	0	0	0	100	0	1	2206	0	22.10797
DA98B10052	23/09/98	EL 5061	345953	8549964	DA98B1A0052	98.39985	2	0	0	0	0	0	0	2198	0	32.32143
DA98B10053	23/09/98	EL 5061	341967	8539749	DA98B1A0053	100	0	0	0	0	0	0	0	2206	2344	19.17923
DA98B10200	30/07/98	EL 5062	306778	8471795	da98b1A0200	35.15479	0	0	64.84521	0	0	0	0	2206	0	21.76111
DA98B10201	30/07/98	EL 5062	307342	8473993	da98b1A0201	94.04199	0	0	5.958008	0	0	0	0	2206	2350	23.39388
DA98B10203	30/07/98	EL 5062	299034	8489736	da98b1A0203	100	0	0	0	0	0	0	0	2212	2346	8.388165
DA98B10204	30/07/98	EL 5062	302127	8490002	da98b1A0204	100	0	0	0	0	0	0	0	2200	0	22.25692
DA98B10205	30/07/98	EL 5062	303780	8489630	da98b1A0205	47.62405	0	0	0	52	0	0	0	2206	0	26.25971
DA98B10206	30/07/98	EL 5062	303800	8489625	da98b1A0206	100	0	0	0	0	0	0	0	2208	2350	12.42362

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10207	30/07/98	EL 5062	296349	8492172	da98b1A0207	100	0	0	0	0	0	0	0	2198	2356	28.29902
DA98B10208	30/07/98	EL 5062	297182	8492070	da98b1A0208	100	0	0	0	0	0	0	0	2196	2352	27.73462
DA98B10209	30/07/98	EL 5062	298107	8491960	da98b1A0209	87.2643	0	0	12.7357	0	0	0	0	2202	2354	29.0747
DA98B10210	30/07/98	EL 5062	299199	8491873	da98b1A0210	76.5976	0	0	23.4024	0	0	0	0	2206	2356	33.09068
DA98B10211	30/07/98	EL 5062	303253	8491895	da98b1A0211	65.30426	0	0	34.69574	0	0	0	0	2206	0	13.03245
DA98B10212	30/07/98	EL 5062	304240	8491671	da98b1A0212	2.627869	0	0	97.37213	0	0	0	0	2206	0	19.18973
DA98B10213	30/07/98	EL 5062	305041	8492036	da98b1A0213	100	0	0	0	0	0	0	0	2206	2346	11.4583
DA98B10214	30/07/98	EL 5062	306110	8491707	da98b1A0214	41.77998	0	0	0	58	0	0	0	2206	0	32.97846
DA98B10215	30/07/98	EL 5062	294571	8493906	da98b1A0215	100	0	0	0	0	0	0	0	2196	2346	30.45612
DA98B10216	30/07/98	EL 5062	295051	8493937	da98b1A0216	48.31178	1	50	0	0	0	0	0	2204	2354	52.81935
DA98B10217	30/07/98	EL 5062	295840	8493913	da98b1A0217	100	0	0	0	0	0	0	0	2196	2350	43.67704
DA98B10218	30/07/98	EL 5062	296940	8493570	da98b1A0218	37.05854	1	62	0	0	0	0	0	2204	2354	60.16837
DA98B10219	30/07/98	EL 5062	298035	8493176	da98b1A0219	100	0	0	0	0	0	0	0	2198	2350	22.81124
DA98B10220	30/07/98	EL 5062	299445	8492399	da98b1A0220	46.04718	0	0	53.95282	0	0	0	0	2206	0	42.85655
DA98B10221	30/07/98	EL 5062	301715	8493480	da98b1A0221	100	0	0	0	0	0	0	0	2200	2348	32.84529
DA98B10222	30/07/98	EL 5062	303880	8493430	da98b1A0222	100	0	0	0	0	0	0	0	2206	2352	6.96377
DA98B10223	30/07/98	EL 5062	305325	8493592	da98b1A0223	100	0	0	0	0	0	0	0	2206	2354	13.21266
DA98B10224	30/07/98	EL 5062	307289	8493980	da98b1A0224	68.46934	0	0	31.53066	0	0	0	0	2206	0	22.11399
DA98B10225	31/07/98	EL 5062	295181	8495727	da98b1A0225	100	0	0	0	0	0	0	0	2194	2352	23.89
DA98B10226	31/07/98	EL 5062	297050	8496065	da98b1A0226	100	0	0	0	0	0	0	0	2196	2354	28.37469
DA98B10227	31/07/98	EL 5062	299209	8496355	da98b1A0227	100	0	0	0	0	0	0	0	2206	0	24.96959
DA98B10228	31/07/98	EL 5062	301178	8495721	da98b1A0228	30.09427	0	0	69.90573	0	0	0	0	2206	2352	5.647506
DA98B10229	31/07/98	EL 5062	302914	8495998	da98b1A0229	100	0	0	0	0	0	0	0	2204	0	27.83061
DA98B10230	31/07/98	EL 5062	304923	8495740	da98b1A0230	100	0	0	0	0	0	0	0	2200	2350	18.8201
DA98B10231	31/07/98	EL 5062	307872	8495560	da98b1A0231	74.7789	0	0	25.2211	0	0	0	0	2204	2354	6.429276
DA98B10232	31/07/98	EL 5062	292681	8497850	da98b1A0232	100	0	0	0	0	0	0	0	2194	2348	34.51993
DA98B10233	31/07/98	EL 5062	295053	8497923	da98b1A0233	100	0	0	0	0	0	0	0	2194	2350	31.69634
DA98B10234	31/07/98	EL 5062	296870	8497895	da98b1A0234	100	0	0	0	0	0	0	0	2196	2344	25.16085
DA98B10235	31/07/98	EL 5062	298640	8497685	da98b1A0235	0	100	0	0	0	0	11	1	2200	0	26.0243
DA98B10236	31/07/98	EL 5062	300814	8497632	da98b1A0236	29.92207	0	0	70.07793	0	0	0	0	2204	2356	28.03228
DA98B10237	1/08/98	EL 5062	303921	8497717	da98b1A0237	100	0	0	0	0	0	0	0	2196	0	27.63766
DA98B10238	1/08/98	EL 5062	308539	8497874	da98b1A0238	5.757751	0	0	94.24225	0	0	0	0	2206	2356	19.12989
DA98B10239	1/08/98	EL 5062	290872	8499650	da98b1A0239	100	0	0	0	0	0	0	0	2192	2350	13.9195
DA98B10240	1/08/98	EL 5062	292855	8499650	da98b1A0240	100	0	0	0	0	0	0	0	2196	2346	24.12846
DA98B10241	1/08/98	EL 5062	295180	8499794	da98b1A0241	46.15491	0	54	0	0	0	0	0	2204	2352	30.04368
DA98B10242	1/08/98	EL 5062	296950	8499560	da98b1A0242	99.15642	0	0	0.8435845	0	0	0	0	2194	2348	22.68554
DA98B10243	1/08/98	EL 5062	299067	8499961	da98b1A0243	100	0	0	0	0	0	0	0	2194	0	30.81698
DA98B10244	1/08/98	EL 5062	300730	8499850	da98b1A0244	100	0	0	0	0	0	0	0	2198	2354	23.20772
DA98B10245	1/08/98	EL 5062	302840	8499690	da98b1A0245	100	0	0	0	0	0	0	0	2196	2348	30.23039
DA98B10246	1/08/98	EL 5062	304960	8499890	da98b1A0246	37.4086	0	0	62.5914	0	0	0	0	2204	2352	5.053899
DA98B10247	1/08/98	EL 5061	310461	8499439	da98b1A0247	100	0	0	0	0	0	0	0	2202	0	31.9713
DA98B10302	25/08/98	EL 5061	317736	8501895	DA98B1A0302	100	0	0	0	0	0	0	0	2206	2344	6.813114
DA98B10303	25/08/98	EL 5061	315876	8502080	DA98B1A0303	46.83023	0	0	53.16977	0	0	0	0	2206	2356	6.653694
DA98B10304	25/08/98	EL 5061	312880	8502210	DA98B1A0304	100	0	0	0	0	0	0	0	2194	2350	31.5402
DA98B10305	25/08/98	EL 5062	307520	8502230	DA98B1A0305	27.02911	0	0	72.97089	0	0	0	0	2206	0	30.12152
DA98B10306	25/08/98	EL 5062	304325	8502475	DA98B1A0306	82.60725	0	0	17.39275	0	0	0	0	2206	2350	18.30302
DA98B10307	25/08/98	EL 5062	302400	8502475	DA98B1A0307	100	0	0	0	0	0	0	0	2198	2350	27.30134

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10308	25/08/98	EL 5062	300890	8501930	DA98B1A0308	100	0	0	0	0	0	0	0	2194	2352	26.21713
DA98B10309	25/08/98	EL 5062	298655	8501991	DA98B1A0309	100	0	0	0	0	0	0	0	2196	2352	23.12828
DA98B10310	25/08/98	EL 5062	296915	8502128	DA98B1A0310	100	0	0	0	0	0	0	0	2196	2352	23.58427
DA98B10311	25/08/98	EL 5062	294630	8502347	DA98B1A0311	100	0	0	0	0	0	0	0	2196	2350	29.64173
DA98B10312	25/08/98	EL 5062	293851	8501850	DA98B1A0312	100	0	0	0	0	0	0	0	2196	2350	28.38704
DA98B10313	25/08/98	EL 5062	292130	8502195	DA98B1A0313	100	0	0	0	0	0	0	0	2196	2356	27.45303
DA98B10314	26/08/98	EL 5062	292030	8504399	DA98B1A0314	100	0	0	0	0	0	0	0	2196	2356	37.858
DA98B10315	26/08/98	EL 5062	293798	8503842	DA98B1A0315	100	0	0	0	0	0	0	0	2196	2348	34.20466
DA98B10316	26/08/98	EL 5062	296200	8503880	DA98B1A0316	100	0	0	0	0	0	0	0	2200	2352	24.3914
DA98B10317	26/08/98	EL 5062	297960	8503985	DA98B1A0317	100	0	0	0	0	0	0	0	2194	2346	37.73138
DA98B10318	26/08/98	EL 5062	299866	8504045	DA98B1A0318	100	0	0	0	0	0	0	0	2204	2346	11.0633
DA98B10319	26/08/98	EL 5062	303190	8504200	DA98B1A0319	100	0	0	0	0	0	0	0	2196	2350	49.30083
DA98B10320	26/08/98	EL 5061	311100	8504870	DA98B1A0320	100	0	0	0	0	0	0	0	2194	2350	32.90663
DA98B10321	26/08/98	EL 5061	319610	8504293	DA98B1A0321	100	0	0	0	0	0	0	0	2204	2356	30.83779
DA98B10322	26/08/98	EL 5061	324223	8501997	DA98B1A0322	40.22915	0	0	59.77085	0	0	0	0	2206	0	14.61483
DA98B10323	26/08/98	EL 5061	321357	8506010	DA98B1A0323	0	0	0	100	0	0	0	0	2206	0	25.21258
DA98B10324	26/08/98	EL 5061	319677	8505860	DA98B1A0324	100	0	0	0	0	0	0	0	2204	2354	25.35733
DA98B10325	26/08/98	EL 5061	317791	8506094	DA98B1A0325	100	0	0	0	0	0	0	0	2196	2350	29.53247
DA98B10326	26/08/98	EL 5061	315924	8505979	DA98B1A0326	100	0	0	0	0	0	0	0	2196	2346	26.63997
DA98B10327	26/08/98	EL 5061	313938	8505931	DA98B1A0327	70.97005	0	0	29.02995	0	0	0	0	2206	2356	29.80775
DA98B10328	26/08/98	EL 5061	312196	8505985	DA98B1A0328	100	0	0	0	0	0	0	0	2196	2348	31.13313
DA98B10329	26/08/98	EL 5062	310066	8505998	DA98B1A0329	0	100	0	0	0	0	4	1	2198	0	26.71748
DA98B10330	26/08/98	EL 5062	307811	8506262	DA98B1A0330	58.60365	0	0	41.39635	0	0	0	0	2206	2356	35.70097
DA98B10331	26/08/98	EL 5062	305770	8506050	DA98B1A0331	80.16099	0	0	19.83901	0	0	0	0	2196	2350	11.63606
DA98B10332	26/08/98	EL 5062	303780	8506030	DA98B1A0332	98.9273	0	0	1.0727	0	0	0	0	2198	2352	13.74108
DA98B10333	27/08/98	EL 5062	291850	8505549	DA98B1A0333	100	0	0	0	0	0	0	0	2198	2356	15.31135
DA98B10334	27/08/98	EL 5062	294030	8505963	DA98B1A0334	100	0	0	0	0	0	0	0	2204	2352	42.22297
DA98B10335	27/08/98	EL 5062	296130	8506080	DA98B1A0335	100	0	0	0	0	0	0	0	2194	2350	26.4166
DA98B10336	27/08/98	EL 5062	298106	8505993	DA98B1A0336	100	0	0	0	0	0	0	0	2196	2346	14.98774
DA98B10337	27/08/98	EL 5062	300130	8505850	DA98B1A0337	100	0	0	0	0	0	0	0	2198	2350	14.02607
DA98B10338	27/08/98	EL 5062	302524	8506264	DA98B1A0338	100	0	0	0	0	0	0	0	2196	2352	28.8235
DA98B10339	27/08/98	EL 5062	290670	8508164	DA98B1A0339	100	0	0	0	0	0	0	0	2196	0	19.14952
DA98B10340	27/08/98	EL 5062	292210	8507955	DA98B1A0340	100	0	0	0	0	0	0	0	2196	2348	28.13226
DA98B10341	27/08/98	EL 5062	294040	8508236	DA98B1A0341	100	0	0	0	0	0	0	0	2202	2346	18.97996
DA98B10342	27/08/98	EL 5062	295800	8508134	DA98B1A0342	100	0	0	0	0	0	0	0	2198	2348	31.00714
DA98B10343	27/08/98	EL 5062	297786	8507905	DA98B1A0343	100	0	0	0	0	0	0	0	2196	2346	26.38767
DA98B10344	27/08/98	EL 5062	299961	8508022	DA98B1A0344	100	0	0	0	0	0	0	0	2204	2356	33.05227
DA98B10345	27/08/98	EL 5062	302200	8508034	DA98B1A0345	100	0	0	0	0	0	0	0	2196	2350	50.86863
DA98B10346	27/08/98	EL 5062	304106	8508050	DA98B1A0346	100	0	0	0	0	0	0	0	2202	2352	30.30315
DA98B10347	27/08/98	EL 5062	305900	8508528	DA98B1A0347	96.71741	3	0	0	0	0	0	0	2200	2350	43.52773
DA98B10348	27/08/98	EL 5062	308020	8508280	DA98B1A0348	100	0	0	0	0	0	0	0	2200	2352	39.92669
DA98B10349	27/08/98	EL 5062	309970	8508050	DA98B1A0349	85.84413	0	0	14.15587	0	0	0	0	2194	0	19.71481
DA98B10350	27/08/98	EL 5061	312197	8507770	DA98B1A0350	100	0	0	0	0	0	0	0	2194	2348	30.80673
DA98B10351	27/08/98	EL 5061	314090	8507548	DA98B1A0351	100	0	0	0	0	0	0	0	2196	2350	38.83903
DA98B10352	27/08/98	EL 5061	316164	8508090	DA98B1A0352	100	0	0	0	0	0	0	0	2198	2350	38.65521
DA98B10353	27/08/98	EL 5061	318118	8508370	DA98B1A0353	100	0	0	0	0	0	0	0	2200	2352	30.54138
DA98B10354	27/08/98	EL 5061	320530	8507945	DA98B1A0354	100	0	0	0	0	0	0	0	2198	2350	27.16989

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10355	27/08/98	EL 5061	322000	8507690	DA98B1A0355	0	0	0	100	0	0	0	0	2208	0	40.83391
DA98B10356	28/08/98	EL 5062	306075	8509650	DA98B1A0356	100	0	0	0	0	0	0	0	2198	2350	24.01296
DA98B10357	28/08/98	EL 5061	316555	8509482	DA98B1A0357	100	0	0	0	0	0	0	0	2198	2354	40.04757
DA98B10358	28/08/98	EL 5061	318476	8509982	DA98B1A0358	100	0	0	0	0	0	0	0	2194	2350	34.23493
DA98B10359	28/08/98	EL 5062	290126	8511916	DA98B1A0359	100	0	0	0	0	0	0	0	2198	2350	16.50313
DA98B10360	28/08/98	EL 5062	292090	8512080	DA98B1A0360	100	0	0	0	0	0	0	0	2198	2344	17.6484
DA98B10361	28/08/98	EL 5062	294067	8511877	DA98B1A0361	100	0	0	0	0	0	0	0	2196	2350	22.0683
DA98B10362	28/08/98	EL 5062	296564	8511194	DA98B1A0362	100	0	0	0	0	0	0	0	2198	2344	12.31096
DA98B10363	28/08/98	EL 5062	298021	8511925	DA98B1A0363	98.59531	0	0	1.404693	0	0	0	0	2202	2346	12.16375
DA98B10364	28/08/98	EL 5062	300060	8512100	DA98B1A0364	95.69523	4	0	0	0	0	0	0	2196	2348	37.85534
DA98B10365	28/08/98	EL 5062	301918	8511933	DA98B1A0365	100	0	0	0	0	0	0	0	2196	2350	41.88658
DA98B10366	28/08/98	EL 5062	303952	8511964	DA98B1A0366	100	0	0	0	0	0	0	0	2200	2350	42.43518
DA98B10367	28/08/98	EL 5062	306500	8512338	DA98B1A0367	100	0	0	0	0	0	0	0	2198	2352	24.08177
DA98B10368	28/08/98	EL 5062	307955	8512444	DA98B1A0368	84.92584	0	0	15.07416	0	0	0	0	2198	2348	10.9177
DA98B10369	28/08/98	EL 5062	310090	8511993	DA98B1A0369	100	0	0	0	0	0	0	0	2198	2348	27.14582
DA98B10370	28/08/98	EL 5061	312037	8512073	DA98B1A0370	100	0	0	0	0	0	0	0	2196	2352	31.38728
DA98B10371	28/08/98	EL 5061	314162	8511971	DA98B1A0371	100	0	0	0	0	0	0	0	2196	2350	9.397027
DA98B10372	28/08/98	EL 5061	316350	8512317	DA98B1A0372	0	100	0	0	0	0	0	0	2206	2352	13.1389
DA98B10373	28/08/98	EL 5061	318409	8512530	DA98B1A0373	100	0	0	0	0	0	0	0	2200	2352	38.44457
DA98B10374	28/08/98	EL 5061	321380	8511456	DA98B1A0374	100	0	0	0	0	0	0	0	2196	2352	23.89611
DA98B10375	28/08/98	EL 5061	322738	8512020	DA98B1A0375	100	0	0	0	0	0	0	0	2196	0	22.81837
DA98B10376	29/08/98	EL 5062	288942	8514889	DA98B1A0376	46.71836	0	53	0	0	0	0	0	2206	2356	18.14303
DA98B10377	29/08/98	EL 5062	291533	8514270	DA98B1A0377	63.71549	0	36	0	0	0	0	0	2204	2356	13.99066
DA98B10378	29/08/98	EL 5062	296100	8514159	DA98B1A0378	100	0	0	0	0	0	0	0	2196	2350	33.80392
DA98B10379	29/08/98	EL 5062	299840	8514008	DA98B1A0379	100	0	0	0	0	0	0	0	2198	2352	26.497
DA98B10380	29/08/98	EL 5062	304144	8514012	DA98B1A0380	100	0	0	0	0	0	0	0	2198	2356	35.43169
DA98B10381	29/08/98	EL 5062	308013	8514190	DA98B1A0381	100	0	0	0	0	0	0	0	2196	2350	26.46534
DA98B10382	29/08/98	EL 5061	311875	8514350	DA98B1A0382	100	0	0	0	0	0	0	0	2202	2354	31.90231
DA98B10383	29/08/98	EL 5061	315857	8514615	DA98B1A0383	100	0	0	0	0	0	0	0	2198	2348	30.65735
DA98B10384	29/08/98	EL 5061	319395	8514290	DA98B1A0384	100	0	0	0	0	0	0	0	2196	2350	33.09738
DA98B10385	29/08/98	EL 5061	323215	8513765	DA98B1A0385	100	0	0	0	0	0	0	0	2196	2348	26.53293
DA98B10386	29/08/98	EL 5061	328664	8514314	DA98B1A0386	29.79497	0	0	70.20503	0	0	0	0	2206	2356	42.13121
DA98B10387	29/08/98	EL 5062	288020	8516595	DA98B1A0387	100	0	0	0	0	0	0	0	2204	2352	21.17078
DA98B10388	29/08/98	EL 5062	292070	8516080	DA98B1A0388	100	0	0	0	0	0	0	0	2196	2348	5.126521
DA98B10389	29/08/98	EL 5062	294800	8516050	DA98B1A0389	100	0	0	0	0	0	0	0	2198	2350	28.43001
DA98B10390	29/08/98	EL 5062	296830	8516216	DA98B1A0390	100	0	0	0	0	0	0	0	2200	2352	36.28425
DA98B10391	29/08/98	EL 5062	299017	8515955	DA98B1A0391	100	0	0	0	0	0	0	0	2196	2346	40.51585
DA98B10392	29/08/98	EL 5062	300741	8515248	DA98B1A0392	100	0	0	0	0	0	0	0	2198	2348	21.93403
DA98B10393	29/08/98	EL 5062	303375	8516396	DA98B1A0393	100	0	0	0	0	0	0	0	2204	2356	28.1448
DA98B10394	29/08/98	EL 5062	305061	8515560	DA98B1A0394	70.56756	0	0	29.43244	0	0	0	0	2206	0	27.69504
DA98B10395	29/08/98	EL 5062	308149	8516055	DA98B1A0395	100	0	0	0	0	0	0	0	2198	2356	12.2064
DA98B10396	29/08/98	EL 5062	310175	8516080	DA98B1A0396	100	0	0	0	0	0	0	0	2196	2352	28.96033
DA98B10397	29/08/98	EL 5061	312072	8516084	DA98B1A0397	100	0	0	0	0	0	0	0	2202	2356	22.39123
DA98B10400	30/07/98	EL 5062	305455	8471037	da98b1A0400	100	0	0	0	0	0	0	0	2204	2350	10.73139
DA98B10401	30/07/98	EL 5062	307701	8472640	da98b1A0401	100	0	0	0	0	0	0	0	2202	2356	12.0388
DA98B10402	30/07/98	EL 5062	310033	8476203	da98b1A0402	0	0	0	0	0	0	0	0	2202	0	16.51775
DA98B10403	30/07/98	EL 5062	298181	8489971	da98b1A0403	100	0	0	0	0	0	0	0	2202	2350	33.26735

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10404	30/07/98	EL 5062	299660	8490342	da98b1A0404	100	0	0	0	0	0	0	0	2198	0	15.57979
DA98B10405	30/07/98	EL 5062	302937	8489722	da98b1A0405	59.09077	0	0	40.90923	0	0	0	0	2204	2352	21.27993
DA98B10406	31/07/98	EL 5062	294544	8495660	da98b1A0406	100	0	0	0	0	0	0	0	2192	2346	37.94264
DA98B10407	31/07/98	EL 5062	295802	8495654	da98b1A0407	100	0	0	0	0	0	0	0	2192	2348	41.63763
DA98B10408	31/07/98	EL 5062	297923	8495922	da98b1A0408	100	0	0	0	0	0	0	0	2192	2344	18.33785
DA98B10409	31/07/98	EL 5062	300465	8495909	da98b1A0409	100	0	0	0	0	0	0	0	2202	2348	6.20413
DA98B10410	31/07/98	EL 5062	301998	8495828	da98b1A0410	100	0	0	0	0	0	0	0	2202	0	15.36121
DA98B10411	31/07/98	EL 5062	303948	8495741	da98b1A0411	100	0	0	0	0	0	0	0	2196	0	24.28304
DA98B10412	31/07/98	EL 5062	305816	8495620	da98b1A0412	57.61221	0	0	42.38779	0	0	0	0	2204	2344	10.21364
DA98B10413	31/07/98	EL 5062	293693	8497829	da98b1A0413	47.47152	0	53	0	0	0	0	0	2202	2354	25.92835
DA98B10414	31/07/98	EL 5062	296093	8497790	da98b1A0414	100	0	0	0	0	0	0	0	2200	2354	31.79289
DA98B10415	31/07/98	EL 5062	298010	8497666	da98b1A0415	100	0	0	0	0	0	0	0	2204	2346	24.09204
DA98B10416	31/07/98	EL 5062	299502	8498340	da98b1A0416	0	100	0	0	0	0	15	1	2180	0	31.07149
DA98B10417	31/07/98	EL 5062	302306	8498010	da98b1A0417	100	0	0	0	0	0	0	0	2192	2352	17.88844
DA98B10418	25/08/98	EL 5061	321934	8501778	DA98B1A0418	47.32333	0	0	52.67667	0	0	0	0	2204	2356	21.91468
DA98B10419	25/08/98	EL 5061	317082	8501766	DA98B1A0419	78.15379	0	0	21.8462	0	0	0	0	2206	2350	28.02621
DA98B10420	25/08/98	EL 5061	314544	8501742	DA98B1A0420	78.51024	0	0	21.48977	0	0	0	0	2202	2354	36.14688
DA98B10421	25/08/98	EL 5062	308928	8502130	DA98B1A0421	51.73156	0	0	48.26844	0	0	0	0	2206	2348	9.291991
DA98B10422	25/08/98	EL 5062	305863	8501905	DA98B1A0422	48.63656	0	0	51.36344	0	0	0	0	2206	2356	24.90221
DA98B10423	25/08/98	EL 5062	303141	8501841	DA98B1A0423	85.81221	0	0	14.18779	0	0	0	0	2204	0	28.31593
DA98B10424	25/08/98	EL 5062	301838	8502091	DA98B1A0424	100	0	0	0	0	0	0	0	2196	2348	30.20423
DA98B10425	25/08/98	EL 5062	300005	8502067	DA98B1A0425	0	100	0	0	0	0	0	0	2192	2354	30.21501
DA98B10426	25/08/98	EL 5062	297876	8502091	DA98B1A0426	100	0	0	0	0	0	0	0	2202	2356	34.59223
DA98B10427	25/08/98	EL 5062	295640	8501916	DA98B1A0427	100	0	0	0	0	0	0	0	2194	2348	38.59042
DA98B10428	25/08/98	EL 5062	294458	8501848	DA98B1A0428	100	0	0	0	0	0	0	0	2194	2350	44.31858
DA98B10429	25/08/98	EL 5062	293071	8501489	DA98B1A0429	0	100	0	0	0	0	10	1	2196	0	43.67573
DA98B10430	25/08/98	EL 5062	291026	8501332	DA98B1A0430	100	0	0	0	0	0	0	0	2194	2352	30.0054
DA98B10431	26/08/98	EL 5062	291654	8502814	DA98B1A0431	100	0	0	0	0	0	0	0	2196	0	19.85255
DA98B10432	26/08/98	EL 5062	292965	8503970	DA98B1A0432	60.45871	0	0	39.54129	0	0	0	0	2196	2350	6.573449
DA98B10433	26/08/98	EL 5062	295072	8504024	DA98B1A0433	100	0	0	0	0	0	0	0	2196	2350	30.76173
DA98B10434	26/08/98	EL 5062	297162	8503745	DA98B1A0434	100	0	0	0	0	0	0	0	2194	2352	26.99179
DA98B10435	26/08/98	EL 5062	299051	8503939	DA98B1A0435	70.34138	30	0	0	0	0	0	0	2198	2354	37.80713
DA98B10436	26/08/98	EL 5062	301063	8503449	DA98B1A0436	94.46102	0	0	5.538976	0	0	0	0	2196	2356	18.34346
DA98B10437	26/08/98	EL 5062	309967	8504354	DA98B1A0437	0	100	0	0	0	0	9	1	2190	0	26.71966
DA98B10438	26/08/98	EL 5061	312371	8503963	DA98B1A0438	53.57686	0	0	46.42314	0	0	0	0	2204	2352	30.70421
DA98B10439	26/08/98	EL 5061	320914	8504466	DA98B1A0439	78.8185	0	0	21.1815	0	0	0	0	2206	2350	20.75849
DA98B10440	26/08/98	EL 5061	324820	8505952	DA98B1A0440	40.31972	0	0	59.68028	0	0	0	0	2206	2352	25.89633
DA98B10441	26/08/98	EL 5061	320577	8505528	DA98B1A0441	100	0	0	0	0	0	0	0	2206	2354	31.96848
DA98B10442	26/08/98	EL 5061	318467	8506096	DA98B1A0442	100	0	0	0	0	0	0	0	2196	2350	25.50733
DA98B10443	26/08/98	EL 5061	316963	8506059	DA98B1A0443	100	0	0	0	0	0	0	0	2194	2354	29.392
DA98B10444	26/08/98	EL 5061	315121	8505952	DA98B1A0444	100	0	0	0	0	0	0	0	2194	2350	26.4076
DA98B10445	26/08/98	EL 5061	312978	8505903	DA98B1A0445	100	0	0	0	0	0	0	0	2194	2348	23.33835
DA98B10446	26/08/98	EL 5061	310876	8505960	DA98B1A0446	100	0	0	0	0	0	0	0	2196	2354	33.77218
DA98B10447	26/08/98	EL 5062	309150	8506060	DA98B1A0447	56.34733	0	0	43.65267	0	0	0	0	2204	2356	37.32133
DA98B10448	26/08/98	EL 5062	307013	8505446	DA98B1A0448	100	0	0	0	0	0	0	0	2198	2354	20.97259
DA98B10449	26/08/98	EL 5062	304976	8505628	DA98B1A0449	68.3055	0	0	31.69451	0	0	0	0	2204	0	26.33264
DA98B10450	26/08/98	EL 5062	303082	8506034	DA98B1A0450	100	0	0	0	0	0	0	0	2194	2348	26.23665

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10451	27/08/98	EL 5062	290879	8504861	DA98B1A0451	75.54907	0	0	24.45093	0	0	0	0	2204	0	24.39664
DA98B10452	27/08/98	EL 5062	293067	8505767	DA98B1A0452	100	0	0	0	0	0	0	0	2194	2348	41.4265
DA98B10453	27/08/98	EL 5062	295186	8505914	DA98B1A0453	100	0	0	0	0	0	0	0	2200	2348	17.2502
DA98B10454	27/08/98	EL 5062	297110	8505732	DA98B1A0454	100	0	0	0	0	0	0	0	2202	2350	11.55346
DA98B10455	27/08/98	EL 5062	299153	8505866	DA98B1A0455	100	0	0	0	0	0	0	0	2194	2348	39.07031
DA98B10456	27/08/98	EL 5062	301064	8506466	DA98B1A0456	100	0	0	0	0	0	0	0	2196	2344	30.37306
DA98B10457	27/08/98	EL 5062	303462	8505964	DA98B1A0457	100	0	0	0	0	0	0	0	2196	2346	35.28898
DA98B10458	27/08/98	EL 5062	289109	8508033	DA98B1A0458	100	0	0	0	0	0	0	0	2192	2350	7.529509
DA98B10459	27/08/98	EL 5062	291296	8508300	DA98B1A0459	100	0	0	0	0	0	0	0	2196	2348	38.88774
DA98B10460	27/08/98	EL 5062	292855	8508103	DA98B1A0460	94.93217	0	0	5.067825	0	0	0	0	2194	2352	12.27932
DA98B10461	27/08/98	EL 5062	295065	8508085	DA98B1A0461	100	0	0	0	0	0	0	0	2198	2348	40.36558
DA98B10462	27/08/98	EL 5062	296860	8508068	DA98B1A0462	100	0	0	0	0	0	0	0	2196	2356	27.40124
DA98B10463	27/08/98	EL 5062	298956	8508253	DA98B1A0463	100	0	0	0	0	0	0	0	2204	2352	28.41376
DA98B10464	27/08/98	EL 5062	300967	8508100	DA98B1A0464	100	0	0	0	0	0	0	0	2196	2350	32.01089
DA98B10465	27/08/98	EL 5062	303101	8507825	DA98B1A0465	100	0	0	0	0	0	0	0	2198	2352	33.0511
DA98B10466	27/08/98	EL 5062	305044	8508064	DA98B1A0466	100	0	0	0	0	0	0	0	2196	2348	25.13378
DA98B10467	27/08/98	EL 5062	307382	8508352	DA98B1A0467	100	0	0	0	0	0	0	0	2196	2346	50.52814
DA98B10468	27/08/98	EL 5062	309014	8508132	DA98B1A0468	100	0	0	0	0	0	0	0	2198	2350	18.6292
DA98B10469	27/08/98	EL 5061	311077	8508109	DA98B1A0469	100	0	0	0	0	0	0	0	2196	2346	28.66188
DA98B10470	27/08/98	EL 5061	313515	8507596	DA98B1A0470	100	0	0	0	0	0	0	0	2196	2348	27.4831
DA98B10471	27/08/98	EL 5061	315140	8507687	DA98B1A0471	100	0	0	0	0	0	0	0	2194	2350	26.11836
DA98B10472	27/08/98	EL 5061	317000	8508071	DA98B1A0472	95.08086	5	0	0	0	0	0	0	2202	2354	41.33009
DA98B10473	27/08/98	EL 5061	319078	8508002	DA98B1A0473	100	0	0	0	0	0	0	0	2194	2346	23.03253
DA98B10474	27/08/98	EL 5061	321310	8507936	DA98B1A0474	100	0	0	0	0	0	0	0	2196	0	27.28428
DA98B10475	27/08/98	EL 5061	323513	8508485	DA98B1A0475	41.07581	0	0	58.92419	0	0	0	0	2204	2352	39.84883
DA98B10476	28/08/98	EL 5062	305393	8510111	DA98B1A0476	100	0	0	0	0	0	0	0	2200	2354	34.28717
DA98B10477	28/08/98	EL 5061	313952	8510135	DA98B1A0477	100	0	0	0	0	0	0	0	2196	2350	36.43813
DA98B10478	28/08/98	EL 5061	317117	8508658	DA98B1A0478	100	0	0	0	0	0	0	0	2194	2348	45.23686
DA98B10479	28/08/98	EL 5061	320723	8509921	DA98B1A0479	0	100	0	0	0	0	6	1	2198	0	15.28943
DA98B10480	28/08/98	EL 5062	289136	8511291	DA98B1A0480	100	0	0	0	0	0	0	0	2196	2348	26.16361
DA98B10481	28/08/98	EL 5062	291247	8512436	DA98B1A0481	100	0	0	0	0	0	0	0	2194	2350	34.13986
DA98B10482	28/08/98	EL 5062	293337	8512046	DA98B1A0482	93.0982	0	0	6.901801	0	0	0	0	2200	2344	11.32106
DA98B10483	28/08/98	EL 5062	295900	8512714	DA98B1A0483	100	0	0	0	0	0	0	0	2200	2348	29.968
DA98B10484	28/08/98	EL 5062	297043	8511925	DA98B1A0484	100	0	0	0	0	0	0	0	2194	2346	9.621296
DA98B10485	28/08/98	EL 5062	299007	8511825	DA98B1A0485	100	0	0	0	0	0	0	0	2196	2352	27.31774
DA98B10486	28/08/98	EL 5062	301010	8512123	DA98B1A0486	100	0	0	0	0	0	0	0	2194	2348	32.81659
DA98B10487	28/08/98	EL 5062	303016	8511953	DA98B1A0487	100	0	0	0	0	0	0	0	2196	2348	38.85415
DA98B10488	28/08/98	EL 5062	304883	8512040	DA98B1A0488	100	0	0	0	0	0	0	0	2194	2350	19.26443
DA98B10489	28/08/98	EL 5062	307010	8511975	DA98B1A0489	100	0	0	0	0	0	0	0	2196	2346	36.30735
DA98B10490	28/08/98	EL 5062	309646	8512501	DA98B1A0490	100	0	0	0	0	0	0	0	2196	2352	22.42763
DA98B10491	28/08/98	EL 5061	311064	8512081	DA98B1A0491	100	0	0	0	0	0	0	0	2194	2354	38.04601
DA98B10492	28/08/98	EL 5061	312977	8512577	DA98B1A0492	100	0	0	0	0	0	0	0	2204	2354	40.03483
DA98B10493	28/08/98	EL 5061	314896	8512102	DA98B1A0493	100	0	0	0	0	0	0	0	2194	2356	21.39318
DA98B10494	28/08/98	EL 5061	316886	8511903	DA98B1A0494	100	0	0	0	0	0	0	0	2202	2354	30.12674
DA98B10495	28/08/98	EL 5061	320331	8512605	DA98B1A0495	100	0	0	0	0	0	0	0	2200	2350	36.80695
DA98B10496	28/08/98	EL 5061	322220	8511889	DA98B1A0496	100	0	0	0	0	0	0	0	2196	2354	27.14975
DA98B10497	28/08/98	EL 5061	323876	8512076	DA98B1A0497	100	0	0	0	0	0	0	0	2198	0	25.34265

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10498	29/08/98	EL 5062	287296	8514704	DA98B1A0498	100	0	0	0	0	0	0	0	2196	2348	25.73369
DA98B10499	29/08/98	EL 5062	289998	8514488	DA98B1A0499	100	0	0	0	0	0	0	0	2196	2346	42.9265
DA98B10500	29/08/98	EL 5062	294157	8514007	DA98B1A0500	100	0	0	0	0	0	0	0	2198	2346	30.40776
DA98B10501	29/08/98	EL 5062	298008	8513935	DA98B1A0501	100	0	0	0	0	0	0	0	2196	2350	30.4783
DA98B10502	29/08/98	EL 5062	302087	8514090	DA98B1A0502	100	0	0	0	0	0	0	0	2196	2346	40.2685
DA98B10503	29/08/98	EL 5062	305984	8513892	DA98B1A0503	100	0	0	0	0	0	0	0	2200	2348	23.11757
DA98B10504	29/08/98	EL 5062	310126	8513892	DA98B1A0504	100	0	0	0	0	0	0	0	2196	2352	44.59962
DA98B10505	29/08/98	EL 5061	313839	8513607	DA98B1A0505	100	0	0	0	0	0	0	0	2196	2348	31.19193
DA98B10506	29/08/98	EL 5061	318355	8514029	DA98B1A0506	100	0	0	0	0	0	0	0	2200	2354	28.3919
DA98B10507	29/08/98	EL 5061	320931	8513986	DA98B1A0507	100	0	0	0	0	0	0	0	2194	2348	28.41172
DA98B10508	29/08/98	EL 5061	327052	8513828	DA98B1A0508	100	0	0	0	0	0	0	0	2206	2352	39.62146
DA98B10509	29/08/98	EL 5062	287293	8515580	DA98B1A0509	99.08462	0	0	0.9153843	0	0	0	0	2202	2352	32.84707
DA98B10510	29/08/98	EL 5062	291358	8516004	DA98B1A0510	100	0	0	0	0	0	0	0	2196	2346	29.15458
DA98B10511	29/08/98	EL 5062	293016	8515998	DA98B1A0511	100	0	0	0	0	0	0	0	2194	2346	39.34908
DA98B10512	29/08/98	EL 5062	295893	8516103	DA98B1A0512	100	0	0	0	0	0	0	0	2194	2348	35.87729
DA98B10513	29/08/98	EL 5062	298397	8516496	DA98B1A0513	56.59737	1	42	0	0	0	0	0	2204	2354	46.10606
DA98B10514	29/08/98	EL 5062	300056	8515752	DA98B1A0514	100	0	0	0	0	0	0	0	2196	0	22.66224
DA98B10515	29/08/98	EL 5062	302053	8516002	DA98B1A0515	100	0	0	0	0	0	0	0	2198	2356	31.49595
DA98B10516	29/08/98	EL 5062	304061	8515842	DA98B1A0516	100	0	0	0	0	0	0	0	2198	2356	28.56512
DA98B10517	29/08/98	EL 5062	309030	8516316	DA98B1A0517	100	0	0	0	0	0	0	0	2196	2348	24.65939
DA98B10518	29/08/98	EL 5061	311378	8515902	DA98B1A0518	100	0	0	0	0	0	0	0	2196	2346	40.18643
DA98B10613	10/09/98	EL 5061	312892	8516072	DA98B1A0613	100	0	0	0	0	0	0	0	2204	2354	35.14359
DA98B10614	10/09/98	EL 5061	315077	8516106	DA98B1A0614	100	0	0	0	0	0	0	0	2198	0	21.77948
DA98B10615	10/09/98	EL 5061	316879	8516104	DA98B1A0615	100	0	0	0	0	0	0	0	2196	2356	29.83273
DA98B10616	10/09/98	EL 5061	320096	8516345	DA98B1A0616	100	0	0	0	0	0	0	0	2194	2348	24.27385
DA98B10617	10/09/98	EL 5061	322142	8516250	DA98B1A0617	76.99141	0	0	23.00859	0	0	0	0	2206	2356	35.28733
DA98B10618	10/09/98	EL 5061	323726	8516536	DA98B1A0618	100	0	0	0	0	0	0	0	2196	2350	19.43507
DA98B10619	10/09/98	EL 5061	326012	8516521	DA98B1A0619	70.00009	0	0	29.99991	0	0	0	0	2206	2356	29.67779
DA98B10620	10/09/98	EL 5061	327996	8515925	DA98B1A0620	83.64638	2	0	14.84915	0	0	0	0	2206	2352	37.87848
DA98B10621	10/09/98	EL 5061	330043	8515879	DA98B1A0621	50.1171	0	0	49.8829	0	0	0	0	2206	0	26.02689
DA98B10622	10/09/98	EL 5062	308192	8518125	DA98B1A0622	100	0	0	0	0	0	0	0	2200	2354	27.78656
DA98B10623	10/09/98	EL 5061	310521	8518286	DA98B1A0623	100	0	0	0	0	0	0	0	2202	2350	43.1331
DA98B10624	10/09/98	EL 5061	311920	8518153	DA98B1A0624	100	0	0	0	0	0	0	0	2196	2348	31.57191
DA98B10625	10/09/98	EL 5061	313889	8518203	DA98B1A0625	95.22733	0	0	4.772675	0	0	0	0	2198	2352	5.67824
DA98B10626	10/09/98	EL 5061	315966	8518270	DA98B1A0626	100	0	0	0	0	0	0	0	2196	2348	30.10175
DA98B10627	10/09/98	EL 5061	318134	8518225	DA98B1A0627	100	0	0	0	0	0	0	0	2194	2348	23.20055
DA98B10628	10/09/98	EL 5061	320060	8518343	DA98B1A0628	100	0	0	0	0	0	0	0	2194	2346	29.65259
DA98B10629	10/09/98	EL 5061	322136	8518073	DA98B1A0629	100	0	0	0	0	0	0	0	2196	2352	42.26803
DA98B10630	10/09/98	EL 5061	324060	8518071	DA98B1A0630	100	0	0	0	0	0	0	0	2196	2348	28.43657
DA98B10631	10/09/98	EL 5061	326394	8518168	DA98B1A0631	48.83489	0	0	51.16511	0	0	0	0	2206	2356	37.82168
DA98B10632	10/09/98	EL 5061	328576	8518349	DA98B1A0632	100	0	0	0	0	0	0	0	2206	0	28.92251
DA98B10633	11/09/98	EL 5062	286161	8518152	DA98B1A0633	0	100	0	0	0	0	10	1	2196	0	33.39914
DA98B10634	11/09/98	EL 5062	289456	8517294	DA98B1A0634	43.52315	1	55	0	0	0	0	0	2204	2354	15.5211
DA98B10635	11/09/98	EL 5062	291603	8518234	DA98B1A0635	100	0	0	0	0	0	0	0	2196	2346	29.09717
DA98B10636	11/09/98	EL 5062	292810	8518074	DA98B1A0636	100	0	0	0	0	0	0	0	2200	2352	16.0648
DA98B10637	11/09/98	EL 5062	295958	8518306	DA98B1A0637	37.00273	2	61	0	0	0	0	0	2206	2352	53.73383
DA98B10638	11/09/98	EL 5062	299754	8517764	DA98B1A0638	100	0	0	0	0	0	0	0	2196	2350	32.7092

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10639	11/09/98	EL 5062	302133	8517846	DA98B1A0639	100	0	0	0	0	0	0	0	2196	2350	38.26449
DA98B10640	11/09/98	EL 5062	305677	8517876	DA98B1A0640	100	0	0	0	0	0	0	0	2198	2352	27.91833
DA98B10641	11/09/98	EL 5062	284798	8520156	DA98B1A0641	100	0	0	0	0	0	0	0	2196	2350	24.37901
DA98B10642	11/09/98	EL 5062	287289	8520145	DA98B1A0642	16.46856	0	84	0	0	0	0	0	2206	2356	13.85405
DA98B10643	11/09/98	EL 5062	289185	8520141	DA98B1A0643	100	0	0	0	0	0	0	0	2196	2350	46.67838
DA98B10644	11/09/98	EL 5062	291858	8520859	DA98B1A0644	100	0	0	0	0	0	0	0	2198	2348	28.9329
DA98B10645	11/09/98	EL 5062	296848	8520535	DA98B1A0645	100	0	0	0	0	0	0	0	2204	2356	35.93512
DA98B10646	11/09/98	EL 5062	300694	8520371	DA98B1A0646	85.54554	0	0	14.45446	0	0	0	0	2206	0	36.25597
DA98B10647	11/09/98	EL 5062	302532	8520196	DA98B1A0647	100	0	0	0	0	0	0	0	2196	2350	34.60273
DA98B10648	12/09/98	EL 5062	304937	8520667	DA98B1A0648	0	100	0	0	0	0	2	1	2188	0	25.36892
DA98B10649	12/09/98	EL 5062	309036	8519305	DA98B1A0649	96.12262	0	4	0	0	0	0	0	2206	0	8.939031
DA98B10650	12/09/98	EL 5061	312352	8520128	DA98B1A0650	100	0	0	0	0	0	0	0	2196	0	23.11325
DA98B10651	12/09/98	EL 5061	316007	8519670	DA98B1A0651	100	0	0	0	0	0	0	0	2198	2356	28.69737
DA98B10652	12/09/98	EL 5061	319667	8519726	DA98B1A0652	100	0	0	0	0	0	0	0	2194	2348	32.0781
DA98B10653	12/09/98	EL 5061	328605	8520140	DA98B1A0653	1.883621	0	0	98.11638	0	0	0	0	2206	2356	49.98949
DA98B10654	12/09/98	EL 5062	283970	8522265	DA98B1A0654	100	0	0	0	0	0	0	0	2196	2350	35.86481
DA98B10655	12/09/98	EL 5062	285960	8522043	DA98B1A0655	53.24505	1	46	0	0	0	0	0	2204	2354	36.40933
DA98B10656	12/09/98	EL 5062	288002	8521889	DA98B1A0656	14.67531	0	85	0	0	0	0	0	2204	2350	8.549133
DA98B10657	12/09/98	EL 5062	290008	8522037	DA98B1A0657	100	0	0	0	0	0	0	0	2196	2346	27.43724
DA98B10658	12/09/98	EL 5062	291855	8521974	DA98B1A0658	100	0	0	0	0	0	0	0	2196	2348	31.47526
DA98B10659	12/09/98	EL 5062	294182	8521512	DA98B1A0659	100	0	0	0	0	0	0	0	2204	2354	30.86632
DA98B10660	12/09/98	EL 5062	296754	8521783	DA98B1A0660	100	0	0	0	0	0	0	0	2196	2350	33.97048
DA98B10661	12/09/98	EL 5062	299121	8522060	DA98B1A0661	34.93932	0	65	0	0	0	0	0	2204	2354	45.28254
DA98B10662	12/09/98	EL 5062	302158	8521954	DA98B1A0662	100	0	0	0	0	0	0	0	2196	2354	34.74948
DA98B10663	12/09/98	EL 5062	304000	8522000	DA98B1A0663	0	100	0	0	0	0	2	0	2204	2356	21.96889
DA98B10664	12/09/98	EL 5062	306013	8521897	DA98B1A0664	100	0	0	0	0	0	0	0	2198	0	34.2116
DA98B10665	12/09/98	EL 5062	308211	8522470	DA98B1A0665	100	0	0	0	0	0	0	0	2194	2352	30.85933
DA98B10666	12/09/98	EL 5061	313332	8521911	DA98B1A0666	100	0	0	0	0	0	0	0	2196	2350	33.88915
DA98B10667	12/09/98	EL 5061	315018	8521903	DA98B1A0667	100	0	0	0	0	0	0	0	2198	2350	28.2038
DA98B10668	12/09/98	EL 5061	317782	8522109	DA98B1A0668	100	0	0	0	0	0	0	0	2196	2346	35.00558
DA98B10669	12/09/98	EL 5061	320032	8522113	DA98B1A0669	100	0	0	0	0	0	0	0	2196	2346	20.09479
DA98B10670	12/09/98	EL 5061	325123	8521802	DA98B1A0670	100	0	0	0	0	0	0	0	2196	2352	30.44302
DA98B10671	12/09/98	EL 5061	326197	8522247	DA98B1A0671	100	0	0	0	0	0	0	0	2196	2348	26.50556
DA98B10675	20/09/98	EL 5062	288862	8524119	DA98B1A0675	100	0	0	0	0	0	0	0	2198	2346	26.1707
DA98B10676	20/09/98	EL 5062	293053	8524035	DA98B1A0676	53.64694	0	46	0	0	0	0	0	2204	0	48.34848
DA98B10677	20/09/98	EL 5062	296188	8523428	DA98B1A0677	79.15066	0	21	0	0	0	0	0	2202	0	31.30227
DA98B10678	20/09/98	EL 5062	302330	8523798	DA98B1A0678	100	0	0	0	0	0	0	0	2198	0	23.93046
DA98B10679	20/09/98	EL 5062	305085	8523698	DA98B1A0679	100	0	0	0	0	0	0	1	2202	0	20.00593
DA98B10680	20/09/98	EL 5061	310937	8524162	DA98B1A0680	100	0	0	0	0	0	0	0	2196	0	34.69441
DA98B10681	20/09/98	EL 5061	314859	8524205	DA98B1A0681	91.81314	0	0	8.186855	0	0	0	0	2204	0	25.46347
DA98B10682	20/09/98	EL 5061	319155	8524174	DA98B1A0682	95.43394	5	0	0	0	0	0	0	2198	0	43.81277
DA98B10683	20/09/98	EL 5061	328193	8524120	DA98B1A0683	92.38826	0	0	7.611736	0	0	0	0	2204	0	29.18534
DA98B10684	20/09/98	EL 5061	330166	8524272	DA98B1A0684	100	0	0	0	0	0	0	0	2204	0	26.09913
DA98B10685	20/09/98	EL 5061	335121	8526181	DA98B1A0685	65.6597	0	0	34.3403	0	0	0	0	2206	0	15.17328
DA98B10686	20/09/98	EL 5061	327926	8526045	DA98B1A0686	100	0	0	0	0	0	0	0	2198	0	32.25058
DA98B10687	20/09/98	EL 5061	326320	8526419	DA98B1A0687	83.04732	0	0	16.95268	0	0	0	0	2202	0	15.31127
DA98B10688	20/09/98	EL 5061	319762	8526110	DA98B1A0688	100	0	0	0	0	0	0	0	2198	2344	25.63236

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10689	20/09/98	EL 5061	317729	8526013	DA98B1A0689	94.12882	6	0	0	0	0	0	0	2202	0	31.58109
DA98B10690	20/09/98	EL 5062	285107	8525751	DA98B1A0690	92.43342	8	0	0	0	0	0	0	2196	2346	27.69753
DA98B10691	20/09/98	EL 5062	287105	8526030	DA98B1A0691	21.52603	0	78	0	0	0	0	0	2206	0	13.05357
DA98B10692	20/09/98	EL 5062	289045	8526033	DA98B1A0692	18.33051	0	82	0	0	0	0	0	2204	0	12.21745
DA98B10693	20/09/98	EL 5062	291222	8526096	DA98B1A0693	99.65855	0	0	0	0	0	0	0	2198	0	33.72626
DA98B10694	20/09/98	EL 5062	293099	8525978	DA98B1A0694	95.21735	5	0	0	0	0	0	0	2198	0	34.15147
DA98B10695	20/09/98	EL 5062	295035	8525972	DA98B1A0695	83.69143	16	0	0	0	0	0	0	2202	0	29.66421
DA98B10696	20/09/98	EL 5062	298029	8526039	DA98B1A0696	96.35314	0	0	0	0	4	0	0	2196	0	22.654
DA98B10697	20/09/98	EL 5062	302595	8526500	DA98B1A0697	100	0	0	0	0	0	0	0	2198	0	25.65253
DA98B10698	20/09/98	EL 5062	307744	8526163	DA98B1A0698	100	0	0	0	0	0	0	0	2200	0	24.70401
DA98B10699	20/09/98	EL 5062	309720	8525652	DA98B1A0699	99.74108	0	0	0.2589196	0	0	0	0	2204	0	29.32891
DA98B10700	20/09/98	EL 5061	312349	8526098	DA98B1A0700	100	0	0	0	0	0	0	0	2198	0	27.76035
DA98B10701	20/09/98	EL 5061	314491	8525747	DA98B1A0701	100	0	0	0	0	0	0	0	2202	0	37.01952
DA98B10702	20/09/98	EL 5061	315955	8526190	DA98B1A0702	100	0	0	0	0	0	0	0	2196	0	28.98773
DA98B10703	20/09/98	EL 5061	327341	8526989	DA98B1A0703	98.3978	2	0	0	0	0	0	0	2198	0	37.10084
DA98B10704	20/09/98	EL 5061	336201	8527877	DA98B1A0704	100	0	0	0	0	0	0	0	2206	0	27.0045
DA98B10705	20/09/98	EL 5061	327802	8528118	DA98B1A0705	100	0	0	0	0	0	0	0	2198	0	21.62019
DA98B10706	20/09/98	EL 5061	321096	8528042	DA98B1A0706	100	0	0	0	0	0	0	0	2196	2346	30.87486
DA98B10707	20/09/98	EL 5061	331084	8516175	DA98B1A0707	31.71889	0	0	0	68	0	0	0	2206	0	19.90417
DA98B10708	20/09/98	EL 5061	341221	8515938	DA98B1A0708	35.61627	0	0	64.38373	0	0	0	0	2206	0	9.300481
DA98B10709	20/09/98	EL 5061	330643	8505267	DA98B1A0709	13.24353	0	0	86.75647	0	0	0	0	2206	0	17.39595
DA98B10710	20/09/98	EL 5061	330119	8505372	DA98B1A0710	47.63976	0	0	52.36024	0	0	0	0	2206	0	12.37514
DA98B10711	21/09/98	EL 5061	338148	8538109	DA98B1A0711	100	0	0	0	0	0	0	0	2202	0	31.11859
DA98B10712	21/09/98	EL 5061	338255	8542133	DA98B1A0712	90.58736	0	0	0	0	9	0	0	2198	0	17.86501
DA98B10713	21/09/98	EL 5061	338307	8546089	DA98B1A0713	89.2035	0	0	10.7965	0	0	0	0	2204	0	49.18885
DA98B10714	21/09/98	EL 5061	337646	8550030	DA98B1A0714	100	0	0	0	0	0	0	0	2204	0	16.08093
DA98B10715	21/09/98	EL 5061	337717	8553907	DA98B1A0715	100	0	0	0	0	0	0	0	2196	0	32.512
DA98B10716	21/09/98	EL 5061	337895	8560192	DA98B1A0716	39.42107	0	61	0	0	0	0	0	2204	0	21.13667
DA98B10717	21/09/98	EL 5061	338724	8560218	DA98B1A0717	59.17677	26	0	15.19603	0	0	0	0	2204	2340	2.821932
DA98B10718	21/09/98	EL 5061	339105	8553717	DA98B1A0718	100	0	0	0	0	0	0	0	2196	0	22.94229
DA98B10719	21/09/98	EL 5061	339051	8549479	DA98B1A0719	82.05833	0	0	0	0	18	0	1	2202	0	6.510163
DA98B10720	21/09/98	EL 5061	338775	8543771	DA98B1A0720	100	0	0	0	0	0	0	0	2200	0	34.51761
DA98B10721	21/09/98	EL 5061	339566	8539466	DA98B1A0721	100	0	0	0	0	0	0	0	2204	0	31.7169
DA98B10722	21/09/98	EL 5061	339093	8536091	DA98B1A0722	97.73487	0	0	2.265129	0	0	0	0	2206	0	23.7676
DA98B10723	21/09/98	EL 5061	340000	8537863	DA98B1A0723	100	0	0	0	0	0	0	0	2200	0	22.1073
DA98B10724	21/09/98	EL 5061	340180	8541818	DA98B1A0724	100	0	0	0	0	0	0	0	2204	0	19.66514
DA98B10725	21/09/98	EL 5061	339983	8546081	DA98B1A0725	100	0	0	0	0	0	0	0	2204	0	29.74779
DA98B10726	21/09/98	EL 5061	340099	8549823	DA98B1A0726	86.31248	0	0	0	0	14	0	0	2194	2346	19.0567
DA98B10727	21/09/98	EL 5061	323315	8506994	DA98B1A0727	0	0	0	100	0	0	0	0	2206	0	31.16448
DA98B10728	21/09/98	EL 5061	316467	8503563	DA98B1A0728	0	12	0	0	88	0	0	0	2208	2326	0.3771056
DA98B10729	21/09/98	EL 5062	307635	8493092	DA98B1A0729	0	100	0	0	0	0	7	0	2212	2340	3.411063
DA98B10730	21/09/98	EL 5062	306618	8490031	DA98B1A0730	100	0	0	0	0	0	0	1	2206	0	11.31528
DA98B10731	22/09/98	EL 5062	302582	8484348	DA98B1A0731	0	0	0	0	0	0	0	1	2202	0	15.45545
DA98B10732	22/09/98	EL 5062	303985	8484352	DA98B1A0732	87.92377	0	0	0	0	12	0	0	2208	0	3.597294
DA98B10733	22/09/98	EL 5062	306536	8485710	DA98B1A0733	81.88332	0	0	0	0	18	0	0	2212	2336	2.166407
DA98B10734	22/09/98	EL 5062	306947	8480965	DA98B1A0734	100	0	0	0	0	0	0	0	2202	0	8.443705
DA98B10736	24/09/98	EL 5061	342153	8537969	DA98B1A0736	100	0	0	0	0	0	0	0	2196	0	11.37277

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B10737	24/09/98	EL 5061	342056	8535674	DA98B1A0737	85.14314	0	0	14.85686	0	0	0	0	2206	0	27.49992
DA98B10738	24/09/98	EL 5061	342361	8534019	DA98B1A0738	100	0	0	0	0	0	0	0	2198	0	20.21848
DA98B10739	24/09/98	EL 5061	344035	8533995	DA98B1A0739	100	0	0	0	0	0	0	0	2206	0	9.71458
DA98B10740	24/09/98	EL 5061	345992	8533736	DA98B1A0740	80.96553	0	0	19.03447	0	0	0	0	2206	0	17.50594
DA98B10741	24/09/98	EL 5061	341953	8530122	DA98B1A0741	50.58523	0	0	49.41477	0	0	0	0	2206	0	26.55259
DA98B10742	24/09/98	EL 5061	338230	8530132	DA98B1A0742	95.59715	0	0	4.402845	0	0	0	0	2206	0	38.53063
DA98B11324	10/09/98	EL 5061	313826	8516111	DA98B1A1324	100	0	0	0	0	0	0	0	2198	2348	22.62697
DA98B11325	10/09/98	EL 5061	316092	8516187	DA98B1A1325	100	0	0	0	0	0	0	0	2196	2354	26.7441
DA98B11326	10/09/98	EL 5061	317893	8516346	DA98B1A1326	100	0	0	0	0	0	0	0	2196	2348	36.88402
DA98B11327	10/09/98	EL 5061	320955	8516188	DA98B1A1327	100	0	0	0	0	0	0	0	2196	2350	24.99221
DA98B11328	10/09/98	EL 5061	323041	8516127	DA98B1A1328	100	0	0	0	0	0	0	0	2196	2350	23.14882
DA98B11329	10/09/98	EL 5061	325299	8516261	DA98B1A1329	88.11432	0	12	0	0	0	0	0	2206	0	21.53555
DA98B11330	10/09/98	EL 5061	327066	8516280	DA98B1A1330	34.54485	0	0	65.45515	0	0	0	0	2206	2356	46.0975
DA98B11331	10/09/98	EL 5061	329056	8515798	DA98B1A1331	100	0	0	0	0	0	0	0	2208	2350	26.50885
DA98B11332	10/09/98	EL 5062	307422	8518131	DA98B1A1332	100	0	0	0	0	0	0	0	2206	2356	16.25546
DA98B11333	10/09/98	EL 5062	309187	8518247	DA98B1A1333	100	0	0	0	0	0	0	0	2198	2350	27.4316
DA98B11334	10/09/98	EL 5061	311415	8518490	DA98B1A1334	100	0	0	0	0	0	0	0	2196	2348	23.36179
DA98B11335	10/09/98	EL 5061	312955	8518458	DA98B1A1335	100	0	0	0	0	0	0	0	2202	2348	14.82151
DA98B11336	10/09/98	EL 5061	314953	8518499	DA98B1A1336	100	0	0	0	0	0	0	0	2196	2352	28.19542
DA98B11337	10/09/98	EL 5061	316928	8518116	DA98B1A1337	100	0	0	0	0	0	0	0	2194	2346	7.633609
DA98B11338	10/09/98	EL 5061	318988	8518250	DA98B1A1338	100	0	0	0	0	0	0	0	2194	2350	19.05047
DA98B11339	10/09/98	EL 5061	320846	8517839	DA98B1A1339	100	0	0	0	0	0	0	0	2194	2352	33.37925
DA98B11340	10/09/98	EL 5061	323198	8518057	DA98B1A1340	100	0	0	0	0	0	0	0	2196	2350	28.76301
DA98B11341	10/09/98	EL 5061	325058	8518293	DA98B1A1341	68.54367	0	0	31.45633	0	0	0	0	2206	0	33.33548
DA98B11342	10/09/98	EL 5061	327195	8518663	DA98B1A1342	64.24092	0	0	35.75908	0	0	0	0	2206	2354	15.27052
DA98B11343	10/09/98	EL 5061	328762	8517574	DA98B1A1343	94.94055	0	0	5.059445	0	0	0	0	2204	2354	35.91081
DA98B11344	11/09/98	EL 5062	286875	8518074	DA98B1A1344	11.99136	0	88	0	0	0	0	0	2206	2356	26.52687
DA98B11345	11/09/98	EL 5062	289950	8517830	DA98B1A1345	100	0	0	0	0	0	0	0	2204	2354	26.89643
DA98B11346	11/09/98	EL 5062	292080	8518357	DA98B1A1346	100	0	0	0	0	0	0	0	2204	2356	25.04313
DA98B11347	11/09/98	EL 5062	294896	8517427	DA98B1A1347	95.90701	0	0	4.092991	0	0	0	0	2204	2354	31.41858
DA98B11348	11/09/98	EL 5062	296775	8517980	DA98B1A1348	100	0	0	0	0	0	0	0	2196	2350	31.39034
DA98B11349	11/09/98	EL 5062	300453	8517930	DA98B1A1349	100	0	0	0	0	0	0	0	2196	2350	35.80458
DA98B11350	11/09/98	EL 5062	303380	8519070	DA98B1A1350	100	0	0	0	0	0	0	0	2196	2350	32.3904
DA98B11351	11/09/98	EL 5062	305950	8518469	DA98B1A1351	100	0	0	0	0	0	0	1	2198	2342	13.97718
DA98B11352	11/09/98	EL 5062	284651	8519556	DA98B1A1352	100	0	0	0	0	0	0	0	2196	0	19.63234
DA98B11353	11/09/98	EL 5062	286238	8520148	DA98B1A1353	100	0	0	0	0	0	0	0	2196	2348	33.59146
DA98B11354	11/09/98	EL 5062	288025	8520062	DA98B1A1354	58.2178	0	42	0	0	0	0	0	2204	2354	33.5078
DA98B11355	11/09/98	EL 5062	289998	8520568	DA98B1A1355	100	0	0	0	0	0	0	0	2202	2348	35.95012
DA98B11356	11/09/98	EL 5062	296210	8520487	DA98B1A1356	100	0	0	0	0	0	0	0	2196	2346	25.13227
DA98B11357	11/09/98	EL 5062	299006	8521202	DA98B1A1357	19.81839	1	80	0	0	0	0	0	2204	2354	45.75188
DA98B11358	11/09/98	EL 5062	301111	8519994	DA98B1A1358	100	0	0	0	0	0	0	0	2198	2350	36.11548
DA98B11359	12/09/98	EL 5062	306497	8520714	DA98B1A1359	100	0	0	0	0	0	0	0	2198	2354	29.52131
DA98B11360	12/09/98	EL 5061	311070	8520141	DA98B1A1360	100	0	0	0	0	0	0	0	2196	2350	9.440604
DA98B11361	12/09/98	EL 5061	313916	8519640	DA98B1A1361	100	0	0	0	0	0	0	0	2198	2352	25.15337
DA98B11362	12/09/98	EL 5061	318916	8519804	DA98B1A1362	100	0	0	0	0	0	0	0	2196	2350	31.27955
DA98B11363	12/09/98	EL 5061	321070	8520477	DA98B1A1363	100	0	0	0	0	0	0	0	2196	2352	33.99047
DA98B11364	12/09/98	EL 5062	285045	8522052	DA98B1A1364	100	0	0	0	0	0	0	0	2198	2354	37.56066

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B11365	12/09/98	EL 5062	286938	8521805	DA98B1A1365	100	0	0	0	0	0	0	0	2202	2350	21.69765
DA98B11366	12/09/98	EL 5062	289075	8521458	DA98B1A1366	27.80322	1	71	0	0	0	0	0	2204	2354	57.04754
DA98B11367	12/09/98	EL 5062	291073	8522029	DA98B1A1367	100	0	0	0	0	0	0	0	2196	2354	33.01995
DA98B11368	12/09/98	EL 5062	293046	8522125	DA98B1A1368	100	0	0	0	0	0	0	0	2198	2350	24.55378
DA98B11369	12/09/98	EL 5062	294918	8522238	DA98B1A1369	100	0	0	0	0	0	0	0	2196	2342	17.17631
DA98B11370	12/09/98	EL 5062	298316	8521910	DA98B1A1370	22.28191	0	78	0	0	0	0	0	2204	0	21.82506
DA98B11371	12/09/98	EL 5062	301204	8522067	DA98B1A1371	100	0	0	0	0	0	0	0	2196	0	25.01727
DA98B11372	12/09/98	EL 5062	302996	8522056	DA98B1A1372	100	0	0	0	0	0	0	0	2198	2352	30.33103
DA98B11373	12/09/98	EL 5062	305633	8521666	DA98B1A1373	100	0	0	0	0	0	0	0	2196	2352	26.34709
DA98B11374	12/09/98	EL 5062	306997	8521516	DA98B1A1374	100	0	0	0	0	0	0	0	2196	2352	38.09383
DA98B11375	12/09/98	EL 5061	312624	8522695	DA98B1A1375	84.48218	0	0	15.51782	0	0	0	0	2204	2356	41.46174
DA98B11376	12/09/98	EL 5061	314282	8521921	DA98B1A1376	100	0	0	0	0	0	0	0	2196	2352	25.0832
DA98B11377	12/09/98	EL 5061	316798	8521711	DA98B1A1377	88.87979	0	0	11.12021	0	0	0	0	2204	2354	34.51083
DA98B11378	12/09/98	EL 5061	318914	8521966	DA98B1A1378	100	0	0	0	0	0	0	0	2196	2352	27.54107
DA98B11379	12/09/98	EL 5061	324326	8521939	DA98B1A1379	100	0	0	0	0	0	0	0	2204	2356	38.26644
DA98B11380	12/09/98	EL 5061	325904	8521797	DA98B1A1380	100	0	0	0	0	0	0	0	2198	2350	27.24625
DA98B11381	12/09/98	EL 5061	326993	8521978	DA98B1A1381	100	0	0	0	0	0	0	0	2200	0	27.62979
DA98B13609	19/09/98	EL 5062	286731	8523929	DA98B1A3609	11.40101	0	89	0	0	0	0	0	2206	0	28.16669
DA98B13610	19/09/98	EL 5062	290985	8523900	DA98B1A3610	100	0	0	0	0	0	0	0	2202	0	25.00572
DA98B13611	19/09/98	EL 5062	294812	8524395	DA98B1A3611	74.25974	0	26	0	0	0	0	0	2204	0	29.45658
DA98B13612	19/09/98	EL 5062	298868	8523640	DA98B1A3612	99.05057	1	0	0	0	0	0	0	2198	0	37.66074
DA98B13613	19/09/98	EL 5062	304099	8524050	DA98B1A3613	84.15289	0	0	15.8471	0	0	0	0	2204	0	10.45529
DA98B13614	19/09/98	EL 5062	307177	8523820	DA98B1A3614	100	0	0	0	0	0	0	1	2196	0	46.13058
DA98B13615	19/09/98	EL 5061	313204	8524014	DA98B1A3615	100	0	0	0	0	0	0	0	2202	2346	26.20383
DA98B13616	19/09/98	EL 5061	316997	8524491	DA98B1A3616	99.8961	0	0	0	0	0	0	0	2198	0	34.50953
DA98B13617	19/09/98	EL 5061	327317	8523624	DA98B1A3617	100	0	0	0	0	0	0	0	2196	0	27.51092
DA98B13618	19/09/98	EL 5061	328842	8524230	DA98B1A3618	100	0	0	0	0	0	0	0	2200	2346	22.11321
DA98B13619	19/09/98	EL 5061	336040	8526064	DA98B1A3619	100	0	0	0	0	0	0	0	2206	0	26.55373
DA98B13620	19/09/98	EL 5061	334010	8526290	DA98B1A3620	98.9109	0	0	1.089095	0	0	0	0	2206	0	30.93558
DA98B13621	19/09/98	EL 5061	326634	8526250	DA98B1A3621	100	0	0	0	0	0	0	0	2198	0	26.90259
DA98B13622	19/09/98	EL 5061	321280	8525930	DA98B1A3622	100	0	0	0	0	0	0	0	2196	0	25.24759
DA98B13623	19/09/98	EL 5061	318850	8526420	DA98B1A3623	85.65781	0	5	0	0	9	0	0	2204	0	2.607129
DA98B13624	19/09/98	EL 5061	316765	8525835	DA98B1A3624	79.78149	20	0	0	0	0	0	0	2198	2346	4.321639
DA98B13625	20/09/98	EL 5062	283765	8525384	DA98B1A3625	100	0	0	0	0	0	0	0	2202	0	8.03908
DA98B13626	20/09/98	EL 5062	286009	8525853	DA98B1A3626	100	0	0	0	0	0	0	0	2198	0	24.8488
DA98B13627	20/09/98	EL 5062	288178	8526020	DA98B1A3627	38.43705	0	62	0	0	0	0	0	2206	0	53.5735
DA98B13628	20/09/98	EL 5062	290082	8525737	DA98B1A3628	88.01184	0	0	0	0	12	0	0	2196	2342	11.08218
DA98B13629	20/09/98	EL 5062	292140	8525923	DA98B1A3629	100	0	0	0	0	0	0	0	2202	0	24.16148
DA98B13630	20/09/98	EL 5062	294057	8526513	DA98B1A3630	100	0	0	0	0	0	0	0	2196	0	28.92073
DA98B13631	20/09/98	EL 5062	295950	8526320	DA98B1A3631	100	0	0	0	0	0	0	0	2200	0	27.04123
DA98B13632	20/09/98	EL 5062	298848	8526332	DA98B1A3632	31.42749	0	57	0	0	12	0	0	2206	0	10.50773
DA98B13633	20/09/98	EL 5062	306584	8527068	DA98B1A3633	100	0	0	0	0	0	0	0	2198	0	21.59713
DA98B13634	20/09/98	EL 5062	309364	8525334	DA98B1A3634	82.22666	0	0	17.77334	0	0	0	0	2206	0	27.42124
DA98B13635	20/09/98	EL 5062	309344	8525316	DA98B1A3635	100	0	0	0	0	0	0	0	2198	2346	29.20042
DA98B13636	20/09/98	EL 5061	311140	8525720	DA98B1A3636	100	0	0	0	0	0	0	0	2204	0	36.73465
DA98B13637	20/09/98	EL 5061	312939	8525889	DA98B1A3637	100	0	0	0	0	0	0	0	2204	0	25.91522
DA98B13638	20/09/98	EL 5061	315071	8525987	DA98B1A3638	100	0	0	0	0	0	0	0	2196	0	40.19513

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B13639	20/09/98	EL 5061	329614	8529013	DA98B1A3639	100	0	0	0	0	0	0	0	2200	0	22.3072
DA98B13640	20/09/98	EL 5061	334817	8527716	DA98B1A3640	100	0	0	0	0	0	0	0	2206	0	26.99923
DA98B13641	20/09/98	EL 5061	324340	8527560	DA98B1A3641	85.48545	0	0	14.51455	0	0	0	0	2206	0	26.74409
DA98B13642	21/09/98	EL 5061	338146	8536000	DA98B1A3642	100	0	0	0	0	0	0	0	2200	0	29.69298
DA98B13643	21/09/98	EL 5061	338550	8539443	DA98B1A3643	100	0	0	0	0	0	0	0	2204	0	38.22533
DA98B13644	21/09/98	EL 5061	337816	8544198	DA98B1A3644	81.49878	0	0	18.50122	0	0	0	0	2206	0	29.78262
DA98B13645	21/09/98	EL 5061	338143	8548453	DA98B1A3645	100	0	0	0	0	0	0	0	2204	0	27.04438
DA98B13646	21/09/98	EL 5061	337859	8552194	DA98B1A3646	78.49594	0	0	21.50406	0	0	0	0	2206	0	36.45354
DA98B13647	21/09/98	EL 5061	338034	8556175	DA98B1A3647	81.82594	0	0	0	0	18	0	0	2200	0	8.373583
DA98B13648	21/09/98	EL 5061	338978	8561926	DA98B1A3648	89.08436	0	0	0	0	11	0	0	2202	0	12.33436
DA98B13649	21/09/98	EL 5061	338833	8555854	DA98B1A3649	86.69114	0	0	13.30886	0	0	0	0	2206	0	29.20495
DA98B13650	21/09/98	EL 5061	339111	8552024	DA98B1A3650	80.27159	0	0	19.72841	0	0	0	0	2206	0	39.68702
DA98B13651	21/09/98	EL 5061	338760	8546530	DA98B1A3651	100	0	0	0	0	0	0	0	2196	0	48.24459
DA98B13652	21/09/98	EL 5061	339249	8541442	DA98B1A3652	87.80794	0	0	12.19206	0	0	0	0	2206	0	30.04834
DA98B13653	21/09/98	EL 5061	339940	8537378	DA98B1A3653	74.12449	0	0	25.87551	0	0	0	0	2206	0	27.52218
DA98B13654	21/09/98	EL 5061	340125	8535867	DA98B1A3654	58.25907	0	0	41.74093	0	0	0	0	2206	0	35.23636
DA98B13655	21/09/98	EL 5061	340098	8540192	DA98B1A3655	100	0	0	0	0	0	0	0	2198	0	22.6964
DA98B13656	21/09/98	EL 5061	340096	8544284	DA98B1A3656	100	0	0	0	0	0	0	0	2204	0	29.89949
DA98B13657	21/09/98	EL 5061	340373	8547595	DA98B1A3657	100	0	0	0	0	0	0	0	2206	0	30.86896
DA98B13658	21/09/98	EL 5061	336757	8525505	DA98B1A3658	9.113762	0	0	90.88624	0	0	0	0	2206	0	43.38953
DA98B13659	23/09/98	EL 5061	340865	8536072	DA98B1A3659	9.113762	0	0	90.88624	0	0	0	0	2206	0	43.38953
DA98B13660	23/09/98	EL 5061	340787	8539565	DA98B1A3660	60.20064	26	0	13.51191	0	0	0	0	2206	2346	2.169024
DA98B13661	23/09/98	EL 5061	341031	8543628	DA98B1A3661	100	0	0	0	0	0	0	0	2200	0	33.57463
DA98B13662	23/09/98	EL 5061	340976	8548040	DA98B1A3662	60.91468	0	0	39.08532	0	0	0	0	2208	0	35.2206
DA98B13663	23/09/98	EL 5061	340003	8551770	DA98B1A3663	65.54413	34	0	0	0	0	0	0	2202	0	6.968507
DA98B13664	23/09/98	EL 5061	339525	8553975	DA98B1A3664	100	0	0	0	0	0	0	0	2206	0	24.4928
DA98B13665	23/09/98	EL 5061	339980	8556245	DA98B1A3665	100	0	0	0	0	0	0	0	2206	0	24.31242
DA98B13666	23/09/98	EL 5061	340240	8558155	DA98B1A3666	100	0	0	0	0	0	0	0	2202	2346	14.25792
DA98B13667	23/09/98	EL 5061	340360	8559930	DA98B1A3667	100	0	0	0	0	0	0	0	2198	2346	19.92333
DA98B13668	23/09/98	EL 5061	340684	8561925	DA98B1A3668	76.7013	23	0	0	0	0	0	0	2198	0	12.19971
DA98B13669	23/09/98	EL 5061	342908	8561960	DA98B1A3669	100	0	0	0	0	0	0	0	2200	0	15.70426
DA98B13670	23/09/98	EL 5061	343000	8560078	DA98B1A3670	97.9091	0	0	2.090901	0	0	0	0	2206	0	20.90891
DA98B13671	23/09/98	EL 5061	343246	8557266	DA98B1A3671	100	0	0	0	0	0	0	0	2204	0	17.98885
DA98B13672	23/09/98	EL 5061	342986	8555751	DA98B1A3672	84.02482	0	0	15.97518	0	0	0	0	2206	0	26.55793
DA98B13673	23/09/98	EL 5061	343402	8553782	DA98B1A3673	100	0	0	0	0	0	0	0	2202	0	7.810866
DA98B13674	23/09/98	EL 5061	343262	8552010	DA98B1A3674	20.83746	0	0	79.16254	0	0	0	0	2208	0	18.00739
DA98B13675	23/09/98	EL 5061	345538	8550078	DA98B1A3675	100	0	0	0	0	0	0	0	2200	0	36.43002
DA98B13676	23/09/98	EL 5061	342908	8547837	DA98B1A3676	93.55051	0	0	0	0	6	0	0	2200	2346	7.123352
DA98B13677	23/09/98	EL 5061	343940	8547860	DA98B1A3677	85.12189	0	0	14.87811	0	0	0	0	2206	0	39.50869
DA98B13678	23/09/98	EL 5061	344296	8549743	DA98B1A3678	0	0	0	0	0	0	0	1	2204	0	22.82549
DA98B13679	23/09/98	EL 5061	344225	8551890	DA98B1A3679	87.31887	0	0	0	0	13	0	0	2196	0	26.30965
DA98B13680	23/09/98	EL 5061	344040	8553977	DA98B1A3680	100	0	0	0	0	0	0	0	2204	0	29.91648
DA98B13681	23/09/98	EL 5061	343977	8556098	DA98B1A3681	100	0	0	0	0	0	0	0	2198	0	25.44946
DA98B13682	23/09/98	EL 5061	344258	8558419	DA98B1A3682	95.69135	0	0	4.308651	0	0	0	0	2206	0	34.56355
DA98B13683	23/09/98	EL 5061	343709	8560220	DA98B1A3683	100	0	0	0	0	0	0	0	2202	0	32.95987
DA98B13684	23/09/98	EL 5061	344810	8562080	DA98B1A3684	94.90589	5	0	0	0	0	0	0	2200	0	23.70683
DA98B13685	23/09/98	EL 5061	345804	8559783	DA98B1A3685	100	0	0	0	0	0	0	0	2202	0	14.24511

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98B13686	23/09/98	EL 5061	345010	8555762	DA98B1A3686	100	0	0	0	0	0	0	0	2206	0	32.38008
DA98B13687	23/09/98	EL 5061	346380	8551656	DA98B1A3687	100	0	0	0	0	0	0	0	2198	0	24.90543
DA98B13688	23/09/98	EL 5061	345871	8548180	DA98B1A3688	83.99609	0	0	16.00391	0	0	0	0	2206	0	32.11812
DA98B13689	24/09/98	EL 5061	343439	8538205	DA98B1A3689	88.15787	0	0	11.84213	0	0	0	0	2206	0	15.84634
DA98B13690	24/09/98	EL 5061	342983	8536008	DA98B1A3690	90.76855	0	0	0	0	9	0	0	2202	0	26.64328
DA98B13691	24/09/98	EL 5061	342995	8533829	DA98B1A3691	100	0	0	0	0	0	0	0	2202	2344	16.19396
DA98B13692	24/09/98	EL 5061	345090	8533897	DA98B1A3692	100	0	0	0	0	0	0	0	2206	0	13.65553
DA98B13693	24/09/98	EL 5061	343130	8531764	DA98B1A3693	100	0	0	0	0	0	0	0	2206	0	31.3024
DA98B13694	24/09/98	EL 5061	332518	8532080	DA98B1A3694	86.12003	0	0	13.87997	0	0	0	0	2206	0	39.47812
DA98B13695	24/09/98	EL 5061	334038	8530226	DA98B1A3695	100	0	0	0	0	0	0	0	2204	0	33.31611
DA98C10015	8/08/98	EL 5061	318976	8528645	DA98C1A0015	100	0	0	0	0	0	0	0	2204	0	15.90174
DA98C10016	9/08/98	EL 5061	338944	8556986	DA98C1A0016	100	0	0	0	0	0	0	0	2206	0	17.30188
DA98C10017	17/08/98	EL 5061	329604	8505664	DA98C1A0017	20.07722	80	0	0	0	0	10	0	2196	0	1.156083
DA98C10018	17/08/98	EL 5061	330331	8505527	DA98C1A0018	0	0	0	0	0	0	0	0	2200	0	14.3478
DA98C10020	22/08/98	EL 5062	300095	8503122	DA98C1A0020	100	0	0	0	0	0	0	0	2196	0	38.26951
DA98C10021	22/08/98	EL 5062	300134	8502726	DA98C1A0021	0	0	0	0	0	0	0	1	2206	0	26.43724
DA98C10022	13/09/98	EL 5062	308081	8472691	DA98C1A0022	22.2556	0	0	77.7444	0	0	0	0	2206	2346	5.473495
DA98C10023	13/09/98	EL 5062	304417	8489708	DA98C1A0023	100	0	0	0	0	0	0	0	2206	0	9.681765
DA98C10248	4/08/98	EL 5061	315000	8533780	da98c1A0248	100	0	0	0	0	0	0	0	2202	2356	32.91129
DA98C10249	4/08/98	EL 5061	314925	8533752	da98c1A0249	100	0	0	0	0	0	0	0	2198	2348	37.92475
DA98C10250	4/08/98	EL 5061	314695	8533740	da98c1A0250	100	0	0	0	0	0	0	0	2198	2354	26.9305
DA98C10251	4/08/98	EL 5061	314424	8533660	da98c1A0251	100	0	0	0	0	0	0	0	2196	2350	25.13178
DA98C10252	4/08/98	EL 5061	314200	8533530	da98c1A0252	89.07719	0	0	10.9228	0	0	0	0	2198	0	16.90679
DA98C10253	4/08/98	EL 5061	314000	8533475	da98c1A0253	100	0	0	0	0	0	0	0	2198	2350	30.36841
DA98C10254	4/08/98	EL 5061	313750	8533475	da98c1A0254	87.69928	0	0	12.30072	0	0	0	0	2204	2352	19.06429
DA98C10255	4/08/98	EL 5061	313525	8533338	da98c1A0255	31.90953	0	68	0	0	0	0	0	2204	2354	36.59772
DA98C10256	4/08/98	EL 5061	313234	8533425	da98c1A0256	99.02702	0	0	0.9729862	0	0	0	0	2196	2350	6.769599
DA98C10257	4/08/98	EL 5061	312990	8533330	da98c1A0257	100	0	0	0	0	0	0	0	2204	2354	5.152991
DA98C10258	4/08/98	EL 5061	312560	8533190	da98c1A0258	84.44597	0	0	15.55404	0	0	0	0	2194	2356	8.814295
DA98C10259	4/08/98	EL 5061	312383	8533204	da98c1A0259	100	0	0	0	0	0	0	0	2196	2352	24.95148
DA98C10260	4/08/98	EL 5061	312250	8533200	da98c1A0260	100	0	0	0	0	0	0	0	2202	2356	27.8543
DA98C10261	4/08/98	EL 5061	312020	8533216	da98c1A0261	100	0	0	0	0	0	0	0	2198	2354	14.61717
DA98C10262	4/08/98	EL 5061	311919	8533094	da98c1A0262	100	0	0	0	0	0	0	0	2196	2348	24.19047
DA98C10263	5/08/98	EL 5061	311975	8532985	da98c1A0263	100	0	0	0	0	0	0	0	2200	2352	19.16326
DA98C10264	5/08/98	EL 5061	311850	8532947	da98c1A0264	100	0	0	0	0	0	0	0	2198	2354	10.054
DA98C10265	5/08/98	EL 5061	311540	8533014	da98c1A0265	100	0	0	0	0	0	0	0	2202	2350	30.78885
DA98C10266	5/08/98	EL 5061	311125	8532980	da98c1A0266	100	0	0	0	0	0	0	0	2200	2350	32.2277
DA98C10267	5/08/98	EL 5061	311800	8532940	da98c1A0267	100	0	0	0	0	0	0	0	2198	2354	28.45895
DA98C10268	5/08/98	EL 5061	311947	8533195	da98c1A0268	100	0	0	0	0	0	0	0	2200	2354	26.01402
DA98C10269	6/08/98	EL 5061	340314	8556104	da98c1A0269	38.43763	0	0	61.56237	0	0	0	0	2206	2356	28.3597
DA98C10270	6/08/98	EL 5061	340255	8556185	da98c1A0270	36.84862	0	0	63.15138	0	0	0	0	2206	2356	22.40591
DA98C10271	6/08/98	EL 5061	340125	8556260	da98c1A0271	89.7464	0	0	10.2536	0	0	0	0	2206	2354	25.37335
DA98C10272	6/08/98	EL 5061	340030	8556275	da98c1A0272	100	0	0	0	0	0	0	0	2204	2354	14.09695
DA98C10273	6/08/98	EL 5061	339900	8556330	da98c1A0273	100	0	0	0	0	0	0	0	2204	0	31.08987
DA98C10274	6/08/98	EL 5061	339900	8556440	da98c1A0274	63.15734	0	0	36.84266	0	0	0	0	2204	2354	23.08204
DA98C10275	6/08/98	EL 5061	339770	8556411	da98c1A0275	80.21669	0	0	19.78331	0	0	0	0	2204	2354	25.89146
DA98C10276	6/08/98	EL 5061	339650	8556510	da98c1A0276	71.88676	0	0	28.11324	0	0	0	0	2206	0	33.70724

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C10277	6/08/98	EL 5061	339570	8556600	da98c1A0277	100	0	0	0	0	0	0	0	2196	2346	25.51409
DA98C10278	6/08/98	EL 5061	339490	8556710	da98c1A0278	70.72062	0	0	29.27938	0	0	0	0	2206	2356	23.44007
DA98C10279	6/08/98	EL 5061	339430	8556810	da98c1A0279	100	0	0	0	0	0	0	0	2200	2348	13.28884
DA98C10280	6/08/98	EL 5061	339430	8556990	da98c1A0280	100	0	0	0	0	0	0	0	2198	2350	17.84113
DA98C10281	6/08/98	EL 5061	339373	8557170	da98c1A0281	100	0	0	0	0	0	0	0	2204	2352	27.64584
DA98C10282	6/08/98	EL 5061	339238	8557250	da98c1A0282	100	0	0	0	0	0	0	0	2198	2352	27.34252
DA98C10283	6/08/98	EL 5061	339140	8557335	da98c1A0283	91.15991	0	9	0	0	0	0	0	2204	2350	10.36934
DA98C10284	6/08/98	EL 5061	339000	8557325	da98c1A0284	62.36224	0	0	37.63776	0	0	0	0	2204	0	31.25788
DA98C10285	6/08/98	EL 5061	338862	8557198	da98c1A0285	100	0	0	0	0	0	0	0	2204	2356	22.65374
DA98C10286	6/08/98	EL 5061	338698	8557150	da98c1A0286	100	0	0	0	0	0	0	0	2204	2350	3.2853
DA98C10287	6/08/98	EL 5061	338604	8557240	da98c1A0287	63.51144	0	36	0	0	0	0	0	2204	2354	5.823381
DA98C10288	6/08/98	EL 5061	338700	8557360	da98c1A0288	29.67034	0	70	0	0	0	0	0	2204	2352	4.252702
DA98C10289	7/08/98	EL 5061	338547	8557290	da98c1A0289	43.17521	0	57	0	0	0	0	0	2204	2348	5.849056
DA98C10290	7/08/98	EL 5061	338450	8557440	da98c1A0290	7.000084	0	93	0	0	0	0	0	2204	2356	10.15703
DA98C10291	7/08/98	EL 5061	338350	8557540	da98c1A0291	19.15186	0	81	0	0	0	0	0	2204	2350	13.0869
DA98C10292	7/08/98	EL 5061	338330	8557575	da98c1A0292	12.39528	0	88	0	0	0	0	0	2204	2354	8.469505
DA98C10293	7/08/98	EL 5061	338270	8557720	da98c1A0293	40.13894	0	60	0	0	0	0	0	2204	2356	16.91446
DA98C10294	7/08/98	EL 5061	338200	8557795	da98c1A0294	36.57467	0	63	0	0	0	0	0	2204	2354	9.728361
DA98C10295	7/08/98	EL 5061	338120	8557840	da98c1A0295	100	0	0	0	0	0	0	0	2202	2352	26.21343
DA98C10296	7/08/98	EL 5061	338020	8557930	da98c1A0296	100	0	0	0	0	0	0	0	2200	2352	12.18846
DA98C10297	7/08/98	EL 5061	337969	8558030	da98c1A0297	100	0	0	0	0	0	0	0	2202	2354	15.00253
DA98C10298	7/08/98	EL 5061	337827	8558070	da98c1A0298	100	0	0	0	0	0	0	0	2200	2348	20.1062
DA98C10299	7/08/98	EL 5061	337775	8558145	da98c1A0299	88.52067	0	0	11.47933	0	0	0	0	2204	2352	18.57187
DA98C10300	7/08/98	EL 5061	337660	8558156	da98c1A0300	92.89474	0	7	0	0	0	0	0	2202	2350	14.84099
DA98C10301	7/08/98	EL 5061	337520	8558210	da98c1A0301	0	0	100	0	0	0	0	0	2204	2354	10.68289
DA98C10398	30/08/98	EL 5061	345062	8513958	DA98C1A0398	20.35089	0	0	79.64911	0	0	0	0	2206	0	45.84823
DA98C10399	30/08/98	EL 5061	313015	8509820	DA98C1A0399	40.10669	0	0	59.89331	0	0	0	0	2206	2356	27.80323
DA98C11210	31/08/98	EL 5062	307782	8472649	DA98C1A1210	87.30271	0	0	12.69729	0	0	0	0	2208	2352	6.539083
DA98C11211	31/08/98	EL 5062	307911	8472660	DA98C1A1211	10.59077	0	0	89.40923	0	0	0	0	2206	2354	7.256553
DA98C11212	2/09/98	EL 5061	338650	8556849	DA98C1A1212	96.59737	0	0	3.402632	0	0	0	0	2204	2356	7.911326
DA98C11213	2/09/98	EL 5061	338699	8556853	DA98C1A1213	93.9763	0	0	6.023705	0	0	0	0	2206	2350	4.58732
DA98C11214	2/09/98	EL 5061	338755	8556848	DA98C1A1214	90.56075	0	0	9.439259	0	0	0	0	2206	2356	15.6213
DA98C11215	2/09/98	EL 5061	338803	8556853	DA98C1A1215	100	0	0	0	0	0	0	0	2206	0	26.88133
DA98C11216	2/09/98	EL 5061	338855	8556847	DA98C1A1216	100	0	0	0	0	0	0	0	2204	2356	37.97963
DA98C11217	2/09/98	EL 5061	338901	8556851	DA98C1A1217	69.64176	2	0	28.15441	0	0	0	0	2206	0	55.28308
DA98C11218	2/09/98	EL 5061	338949	8556849	DA98C1A1218	59.59457	0	0	40.40543	0	0	0	0	2206	0	33.38647
DA98C11219	2/09/98	EL 5061	339001	8556851	DA98C1A1219	100	0	0	0	0	0	0	0	2202	2356	20.09782
DA98C11220	2/09/98	EL 5061	339052	8556847	DA98C1A1220	100	0	0	0	0	0	0	0	2198	2350	26.91629
DA98C11221	2/09/98	EL 5061	339103	8556852	DA98C1A1221	100	0	0	0	0	0	0	0	2198	2350	32.83885
DA98C11222	2/09/98	EL 5061	339107	8556903	DA98C1A1222	100	0	0	0	0	0	0	0	2196	2352	17.55224
DA98C11223	2/09/98	EL 5061	339051	8556901	DA98C1A1223	100	0	0	0	0	0	0	0	2206	0	30.08166
DA98C11224	2/09/98	EL 5061	338997	8556902	DA98C1A1224	100	0	0	0	0	0	0	0	2198	2350	32.10643
DA98C11225	2/09/98	EL 5061	338949	8556902	DA98C1A1225	100	0	0	0	0	0	0	0	2200	0	19.9697
DA98C11226	2/09/98	EL 5061	338902	8556902	DA98C1A1226	100	0	0	0	0	0	0	0	2204	2356	48.87728
DA98C11227	2/09/98	EL 5061	338850	8556900	DA98C1A1227	100	0	0	0	0	0	0	0	2204	2354	38.42938
DA98C11228	2/09/98	EL 5061	338801	8556903	DA98C1A1228	86.44345	0	0	13.55655	0	0	0	0	2206	2354	31.85169
DA98C11229	2/09/98	EL 5061	338746	8556904	DA98C1A1229	100	0	0	0	0	0	0	0	2204	2356	24.32776

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C11230	2/09/98	EL 5061	338695	8556898	DA98C1A1230	86.3241	0	0	13.67591	0	0	0	0	2206	2354	13.3277
DA98C11231	2/09/98	EL 5061	338653	8556919	DA98C1A1231	89.27739	0	0	10.72261	0	0	0	0	2204	0	20.22445
DA98C11232	2/09/98	EL 5061	338648	8556954	DA98C1A1232	97.66299	0	2	0	0	0	0	0	2204	2346	5.733223
DA98C11233	2/09/98	EL 5061	338700	8556944	DA98C1A1233	100	0	0	0	0	0	0	0	2202	2354	3.655996
DA98C11234	2/09/98	EL 5061	338741	8556946	DA98C1A1234	100	0	0	0	0	0	0	0	2200	2354	18.50614
DA98C11235	2/09/98	EL 5061	338809	8556947	DA98C1A1235	93.01465	0	0	6.985354	0	0	0	0	2204	2352	27.52854
DA98C11236	2/09/98	EL 5061	338864	8556971	DA98C1A1236	97.0098	0	0	2.990197	0	0	0	0	2206	2356	30.3968
DA98C11238	3/09/98	EL 5062	304552	8489763	DA98C1A1238	52.44002	0	0	47.55998	0	0	0	0	2206	0	13.94705
DA98C11239	3/09/98	EL 5062	304334	8489729	DA98C1A1239	51.27042	0	0	48.72958	0	0	0	0	2206	0	25.68134
DA98C11242	4/09/98	EL 5061	338905	8556952	DA98C1A1242	100	0	0	0	0	0	0	0	2204	2354	40.99619
DA98C11243	4/09/98	EL 5061	338964	8556951	DA98C1A1243	100	0	0	0	0	0	0	0	2202	2350	42.36401
DA98C11244	4/09/98	EL 5061	339003	8556953	DA98C1A1244	100	0	0	0	0	0	0	0	2204	2356	42.28629
DA98C11245	4/09/98	EL 5061	339050	8556950	DA98C1A1245	100	0	0	0	0	0	0	0	2202	2356	37.77793
DA98C11246	4/09/98	EL 5061	339101	8556950	DA98C1A1246	100	0	0	0	0	0	0	0	2198	2350	32.41707
DA98C11247	4/09/98	EL 5061	339107	8557004	DA98C1A1247	100	0	0	0	0	0	0	0	2204	2354	25.79474
DA98C11248	4/09/98	EL 5061	339047	8556999	DA98C1A1248	95.93981	0	4	0	0	0	0	0	2204	2354	10.7152
DA98C11249	4/09/98	EL 5061	338998	8557001	DA98C1A1249	100	0	0	0	0	0	0	0	2200	2352	24.95417
DA98C11250	4/09/98	EL 5061	338947	8557003	DA98C1A1250	100	0	0	0	0	0	0	0	2202	0	47.33688
DA98C11251	4/09/98	EL 5061	338896	8557005	DA98C1A1251	100	0	0	0	0	0	0	0	2198	2352	29.15064
DA98C11252	4/09/98	EL 5061	338848	8557001	DA98C1A1252	100	0	0	0	0	0	0	0	2204	2354	29.01798
DA98C11253	4/09/98	EL 5061	338800	8557001	DA98C1A1253	75.9136	0	0	24.0864	0	0	0	0	2204	2354	6.774707
DA98C11254	4/09/98	EL 5061	338751	8556997	DA98C1A1254	100	0	0	0	0	0	0	0	2200	2350	29.75817
DA98C11255	4/09/98	EL 5061	338698	8557001	DA98C1A1255	100	0	0	0	0	0	0	0	2204	2352	5.015154
DA98C11256	4/09/98	EL 5061	338650	8557001	DA98C1A1256	83.90047	0	0	16.09953	0	0	0	0	2204	2354	31.4386
DA98C11257	4/09/98	EL 5061	338650	8557052	DA98C1A1257	81.66664	0	0	18.33336	0	0	0	0	2200	2350	8.776533
DA98C11258	4/09/98	EL 5061	338700	8557050	DA98C1A1258	100	0	0	0	0	0	0	0	2200	2354	25.46467
DA98C11259	4/09/98	EL 5061	338751	8557053	DA98C1A1259	100	0	0	0	0	0	0	0	2202	2354	38.71432
DA98C11260	4/09/98	EL 5061	338802	8557051	DA98C1A1260	100	0	0	0	0	0	0	0	2202	2354	38.71432
DA98C11261	4/09/98	EL 5061	338851	8557051	DA98C1A1261	47.4477	0	0	52.5523	0	0	0	0	2206	2350	6.099289
DA98C11262	4/09/98	EL 5061	338900	8557049	DA98C1A1262	86.89759	0	0	13.10241	0	0	0	0	2204	2352	34.16713
DA98C11263	4/09/98	EL 5061	338950	8557053	DA98C1A1263	100	0	0	0	0	0	0	0	2204	2354	36.0951
DA98C11264	4/09/98	EL 5061	339004	8557052	DA98C1A1264	100	0	0	0	0	0	0	0	2198	2348	7.906516
DA98C11265	4/09/98	EL 5061	339054	8557050	DA98C1A1265	100	0	0	0	0	0	0	0	2198	2344	16.47041
DA98C11266	4/09/98	EL 5061	339101	8557050	DA98C1A1266	72.33918	0	0	27.66082	0	0	0	0	2198	2348	6.887665
DA98C11267	4/09/98	EL 5061	339101	8557103	DA98C1A1267	85.54793	0	0	14.45208	0	0	0	0	2204	2356	19.80947
DA98C11268	4/09/98	EL 5061	339048	8557100	DA98C1A1268	100	0	0	0	0	0	0	0	2200	2346	4.896152
DA98C11269	4/09/98	EL 5061	339000	8557099	DA98C1A1269	100	0	0	0	0	0	0	0	2204	2356	20.57836
DA98C11270	4/09/98	EL 5061	338959	8557098	DA98C1A1270	100	0	0	0	0	0	0	0	2202	2356	25.08838
DA98C11271	4/09/98	EL 5061	338901	8557096	DA98C1A1271	100	0	0	0	0	0	0	0	2200	2354	9.466815
DA98C11272	4/09/98	EL 5061	338849	8557101	DA98C1A1272	100	0	0	0	0	0	0	0	2198	2352	28.31714
DA98C11273	4/09/98	EL 5061	338799	8557098	DA98C1A1273	100	0	0	0	0	0	0	0	2202	2356	24.27683
DA98C11274	4/09/98	EL 5061	338749	8557100	DA98C1A1274	100	0	0	0	0	0	0	0	2198	2350	35.83942
DA98C11275	4/09/98	EL 5061	338699	8557103	DA98C1A1275	67.09589	0	0	32.90411	0	0	0	0	2204	2356	13.85859
DA98C11276	4/09/98	EL 5061	338650	8557101	DA98C1A1276	97.67438	0	0	2.325624	0	0	0	0	2204	2356	16.36849
DA98C11277	4/09/98	EL 5061	338652	8557153	DA98C1A1277	61.78949	0	38	0	0	0	0	0	2204	2354	2.671674
DA98C11278	4/09/98	EL 5061	338701	8557149	DA98C1A1278	99.89898	0	0	0.1010239	0	0	0	0	2204	2356	23.74097
DA98C11279	4/09/98	EL 5061	338752	8557158	DA98C1A1279	100	0	0	0	0	0	0	0	2200	2352	27.26233

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C11280	4/09/98	EL 5061	338803	8557148	DA98C1A1280	96.66695	0	0	3.333051	0	0	0	0	2202	2352	2.687355
DA98C11281	4/09/98	EL 5061	338851	8557152	DA98C1A1281	100	0	0	0	0	0	0	0	2202	2354	29.64179
DA98C11282	4/09/98	EL 5061	338900	8557150	DA98C1A1282	86.74146	0	0	13.25854	0	0	0	0	2204	0	31.67775
DA98C11283	4/09/98	EL 5061	338947	8557149	DA98C1A1283	93.25833	0	0	6.741671	0	0	0	0	2202	2348	11.18284
DA98C11284	4/09/98	EL 5061	339003	8557149	DA98C1A1284	100	0	0	0	0	0	0	0	2202	2354	36.01231
DA98C11285	4/09/98	EL 5061	339054	8557151	DA98C1A1285	100	0	0	0	0	0	0	0	2200	2354	21.04474
DA98C11286	4/09/98	EL 5061	339101	8557151	DA98C1A1286	100	0	0	0	0	0	0	0	2200	2346	26.98739
DA98C11287	4/09/98	EL 5061	339102	8557202	DA98C1A1287	90.05442	0	10	0	0	0	0	0	2202	2352	9.057213
DA98C11288	4/09/98	EL 5061	339049	8557193	DA98C1A1288	100	0	0	0	0	0	0	0	2200	2352	14.8724
DA98C11289	4/09/98	EL 5061	339001	8557202	DA98C1A1289	100	0	0	0	0	0	0	0	2204	2350	31.97211
DA98C11290	4/09/98	EL 5061	338951	8557204	DA98C1A1290	97.89552	0	0	2.104473	0	0	0	0	2204	2346	12.62322
DA98C11291	4/09/98	EL 5061	338901	8557197	DA98C1A1291	100	0	0	0	0	0	0	0	2196	0	23.46339
DA98C11292	4/09/98	EL 5061	338800	8557201	DA98C1A1292	50.82918	0	0	49.17082	0	0	0	0	2206	2354	34.65203
DA98C11293	4/09/98	EL 5061	338751	8557203	DA98C1A1293	100	0	0	0	0	0	0	0	2200	2352	27.53965
DA98C11294	4/09/98	EL 5061	338707	8557202	DA98C1A1294	0	100	0	0	0	0	7	0	2196	2332	2.573929
DA98C11295	4/09/98	EL 5061	338650	8557203	DA98C1A1295	0	100	0	0	0	0	6	0	2206	0	15.76294
DA98C11296	4/09/98	EL 5061	338652	8557253	DA98C1A1296	21.52126	0	78	0	0	0	0	0	2206	2356	9.300742
DA98C11297	4/09/98	EL 5061	338703	8557248	DA98C1A1297	35.7264	0	64	0	0	0	0	0	2204	2352	7.813667
DA98C11298	4/09/98	EL 5061	338750	8557249	DA98C1A1298	74.4979	0	26	0	0	0	0	0	2204	2354	14.46205
DA98C11299	4/09/98	EL 5061	338806	8557244	DA98C1A1299	100	0	0	0	0	0	0	0	2202	2348	26.639
DA98C11300	4/09/98	EL 5061	338852	8557250	DA98C1A1300	100	0	0	0	0	0	0	0	2204	2354	35.23314
DA98C11301	4/09/98	EL 5061	338902	8557250	DA98C1A1301	66.40279	0	34	0	0	0	0	0	2204	2354	18.00105
DA98C11302	4/09/98	EL 5061	338961	8557274	DA98C1A1302	100	0	0	0	0	0	0	0	2198	2352	20.72958
DA98C11303	4/09/98	EL 5061	339002	8557249	DA98C1A1303	100	0	0	0	0	0	0	0	2202	2350	22.47747
DA98C11304	4/09/98	EL 5061	339052	8557249	DA98C1A1304	79.75909	20	0	0	0	0	0	0	2206	2348	30.61081
DA98C11305	4/09/98	EL 5061	339103	8557251	DA98C1A1305	24.71801	0	75	0	0	0	0	0	2204	2350	23.05225
DA98C11306	5/09/98	EL 5061	313131	8527232	DA98C1A1306	6.425644	0	0	93.57436	0	0	0	0	2206	0	76.68033
DA98C11307	5/09/98	EL 5062	303125	8501756	DA98C1A1307	41.36894	0	0	58.63106	0	0	0	0	2206	0	22.14472
DA98C11308	5/09/98	EL 5062	307062	8490581	DA98C1A1308	13.72256	0	0	0	86	0	0	0	2206	2356	34.34422
DA98C11309	5/09/98	EL 5062	306768	8487311	DA98C1A1309	100	0	0	0	0	0	0	0	2218	2354	7.46509
DA98C11382	13/09/98	EL 5062	308038	8472653	DA98C1A1382	92.5384	0	7	0	0	0	0	0	2206	0	1.666948
DA98C11383	13/09/98	EL 5062	307943	8472982	DA98C1A1383	98.60629	0	0	0	0	1	0	0	2214	0	18.62949
DA98C11384	13/09/98	EL 5062	304549	8489670	DA98C1A1384	100	0	0	0	0	0	0	0	2204	0	20.46808
DA98C11400	22/09/98	EL 5062	304700	8489300	DA98C1A1400	17.05888	0	0	82.94112	0	0	0	0	2206	0	27.01217
DA98C11401	22/09/98	EL 5062	304700	8489400	DA98C1A1401	8.282738	0	0	91.71726	0	0	0	0	2206	0	32.37619
DA98C11402	22/09/98	EL 5062	304700	8489500	DA98C1A1402	12.77559	0	0	87.22441	0	0	0	0	2206	0	21.54414
DA98C11403	22/09/98	EL 5062	304700	8489600	DA98C1A1403	38.2142	0	0	61.7858	0	0	0	0	2206	2342	11.53504
DA98C11405	22/09/98	EL 5062	304700	8489800	DA98C1A1405	100	0	0	0	0	0	0	0	2208	0	9.758513
DA98C11406	22/09/98	EL 5062	304700	8489900	DA98C1A1406	51.57628	0	0	48.42372	0	0	0	0	2206	0	19.83986
DA98C11408	22/09/98	EL 5062	304700	8490100	DA98C1A1408	9.460403	0	0	90.5396	0	0	0	0	2206	0	34.50086
DA98C11411	22/09/98	EL 5062	304500	8490100	DA98C1A1411	26.12283	0	0	73.87717	0	0	0	0	2206	0	29.95272
DA98C11414	22/09/98	EL 5062	304500	8489800	DA98C1A1414	37.5695	0	0	62.4305	0	0	0	0	2206	0	20.36663
DA98C11415	22/09/98	EL 5062	304500	8489700	DA98C1A1415	35.28405	0	0	0	65	0	0	0	2206	0	19.17846
DA98C11420	22/09/98	EL 5062	304300	8489300	DA98C1A1420	96.04768	0	0	0	0	4	0	0	2206	0	15.36408
DA98C11421	22/09/98	EL 5062	304300	8489400	DA98C1A1421	100	0	0	0	0	0	0	0	2222	0	12.62617
DA98C11422	22/09/98	EL 5062	304300	8489500	DA98C1A1422	100	0	0	0	0	0	0	0	2204	0	11.00631
DA98C11423	22/09/98	EL 5062	304300	8489600	DA98C1A1423	62.31983	0	0	37.68017	0	0	0	0	2206	0	20.99228

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C11424	22/09/98	EL 5062	304300	8489700	DA98C1A1424	100	0	0	0	0	0	0	0	2204	0	21.94383
DA98C11425	22/09/98	EL 5062	304300	8489800	DA98C1A1425	100	0	0	0	0	0	0	0	2206	0	17.45448
DA98C11426	22/09/98	EL 5062	304300	8489900	DA98C1A1426	60.22355	0	0	39.77645	0	0	0	0	2206	0	19.66608
DA98C11437	22/09/98	EL 5062	304100	8489700	DA98C1A1437	46.38008	0	0	53.61992	0	0	0	0	2206	0	19.33455
DA98C11439	22/09/98	EL 5062	304100	8489500	DA98C1A1439	27.34169	0	0	72.65831	0	0	0	0	2204	0	28.09373
DA98C11440	22/09/98	EL 5062	304100	8489400	DA98C1A1440	34.90944	0	0	0	65	0	0	0	2206	0	17.44953
DA98C11441	22/09/98	EL 5062	304100	8489300	DA98C1A1441	44.75771	0	0	55.24229	0	0	0	0	2206	0	13.94131
DA98C11442	22/09/98	EL 5062	304900	8489300	DA98C1A1442	22.35474	0	0	77.64526	0	0	0	0	2208	0	22.93323
DA98C11443	22/09/98	EL 5062	304900	8489400	DA98C1A1443	37.39118	0	0	62.60882	0	0	0	0	2208	0	22.69857
DA98C11444	22/09/98	EL 5062	304900	8489500	DA98C1A1444	23.53045	0	0	76.46955	0	0	0	0	2208	0	24.58611
DA98C11445	22/09/98	EL 5062	304900	8489600	DA98C1A1445	16.20767	0	0	83.79233	0	0	0	0	2208	0	26.18565
DA98C11446	22/09/98	EL 5062	304900	8489700	DA98C1A1446	15.23822	0	0	84.76178	0	0	0	0	2208	0	22.43781
DA98C11456	22/09/98	EL 5062	305000	8489800	DA98C1A1456	12.76299	0	0	87.23701	0	0	0	0	2206	0	35.18191
DA98C11457	22/09/98	EL 5062	305000	8489700	DA98C1A1457	5.012627	0	0	94.98737	0	0	0	0	2206	0	30.80243
DA98C11458	22/09/98	EL 5062	305000	8489600	DA98C1A1458	10.99744	0	0	89.00256	0	0	0	0	2206	0	18.70026
DA98C11459	22/09/98	EL 5062	305000	8489500	DA98C1A1459	22.06922	0	0	77.93078	0	0	0	0	2206	0	22.07583
DA98C11460	22/09/98	EL 5062	305000	8489400	DA98C1A1460	8.95459	0	0	91.04541	0	0	0	0	2206	0	22.01342
DA98C11461	22/09/98	EL 5062	305000	8489300	DA98C1A1461	29.68971	0	0	70.31029	0	0	0	0	2208	0	11.7849
DA98C11462	24/09/98	EL 5061	338750	8558800	DA98C1A1462	100	0	0	0	0	0	0	0	2200	0	31.40903
DA98C11463	24/09/98	EL 5061	338800	8558800	DA98C1A1463	93.60275	0	0	0	6	0	0	0	2206	0	11.01994
DA98C11464	24/09/98	EL 5061	338850	8558800	DA98C1A1464	56.75894	0	0	43.24106	0	0	0	0	2206	0	5.364831
DA98C11465	24/09/98	EL 5061	338900	8558800	DA98C1A1465	100	0	0	0	0	0	0	0	2200	0	32.72016
DA98C11466	24/09/98	EL 5061	338950	8558800	DA98C1A1466	94.99985	5	0	0	0	0	0	0	2200	0	17.6299
DA98C11467	24/09/98	EL 5061	339000	8558800	DA98C1A1467	64.55257	0	0	35.44743	0	0	0	0	2204	0	21.99152
DA98C11468	24/09/98	EL 5061	339050	8558800	DA98C1A1468	88.36789	0	0	0	0	12	0	0	2202	2344	18.41164
DA98C11469	24/09/98	EL 5061	339100	8558800	DA98C1A1469	93.83746	0	6	0	0	0	0	0	2204	0	5.575525
DA98C11470	24/09/98	EL 5061	339150	8558800	DA98C1A1470	97.6918	0	0	0	0	2	0	0	2202	0	17.46886
DA98C11471	24/09/98	EL 5061	339200	8558800	DA98C1A1471	100	0	0	0	0	0	0	0	2204	0	39.20933
DA98C11472	24/09/98	EL 5061	339250	8558800	DA98C1A1472	100	0	0	0	0	0	0	0	2204	0	34.09882
DA98C11473	24/09/98	EL 5061	339300	8558800	DA98C1A1473	100	0	0	0	0	0	0	0	2196	0	24.35397
DA98C11474	24/09/98	EL 5061	339350	8558800	DA98C1A1474	76.16249	0	0	23.83751	0	0	0	0	2206	0	4.327396
DA98C11475	24/09/98	EL 5061	339400	8558800	DA98C1A1475	87.54754	0	0	12.45246	0	0	0	0	2204	0	21.89847
DA98C11476	24/09/98	EL 5061	339450	8558800	DA98C1A1476	100	0	0	0	0	0	0	0	2204	0	7.55487
DA98C11477	24/09/98	EL 5061	339450	8558650	DA98C1A1477	27.48846	0	73	0	0	0	0	0	2206	0	30.71921
DA98C11478	24/09/98	EL 5061	339400	8558650	DA98C1A1478	42.5976	57	0	0	0	0	0	0	2200	2346	4.158999
DA98C11479	24/09/98	EL 5061	339350	8558650	DA98C1A1479	76.14891	0	24	0	0	0	0	0	2204	0	24.85536
DA98C11480	24/09/98	EL 5061	339300	8558650	DA98C1A1480	100	0	0	0	0	0	0	0	2204	0	24.85538
DA98C11481	24/09/98	EL 5061	339250	8558650	DA98C1A1481	99.2346	1	0	0	0	0	0	0	2202	0	4.761778
DA98C11482	24/09/98	EL 5061	339200	8558650	DA98C1A1482	97.68921	0	0	2.310789	0	0	0	0	2204	0	10.41382
DA98C11483	24/09/98	EL 5061	339150	8558650	DA98C1A1483	98.81489	1	0	0	0	0	0	0	2198	0	16.17515
DA98C11484	24/09/98	EL 5061	339100	8558650	DA98C1A1484	0	100	0	0	0	0	0	0	2200	2346	3.115124
DA98C11485	24/09/98	EL 5061	339050	8558650	DA98C1A1485	59.58096	0	0	40.41904	0	0	0	0	2206	0	17.18203
DA98C11486	24/09/98	EL 5061	339000	8558650	DA98C1A1486	83.07037	0	0	0	0	17	0	0	2206	2342	6.863047
DA98C11487	24/09/98	EL 5061	338950	8558650	DA98C1A1487	0	0	0	0	0	100	0	0	2198	2324	1.927777
DA98C11488	24/09/98	EL 5061	338900	8558650	DA98C1A1488	0	0	0	0	0	100	0	0	2214	0	3.097032
DA98C11489	24/09/98	EL 5061	338850	8558650	DA98C1A1489	100	0	0	0	0	0	0	0	2200	2346	20.75904
DA98C11490	24/09/98	EL 5061	338800	8558650	DA98C1A1490	39.5516	0	0	60.4484	0	0	0	0	2206	0	8.650923

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C11491	24/09/98	EL 5061	338750	8558650	DA98C1A1491	62.03252	0	0	37.96748	0	0	0	0	2204	0	9.341436
DA98C11600	22/09/98	EL 5062	304400	8489300	DA98C1A1600	31.91927	0	0	0	68	0	0	0	2208	0	14.88841
DA98C11602	22/09/98	EL 5062	304400	8489500	DA98C1A1602	63.66325	0	0	36.33675	0	0	0	0	2206	0	15.70623
DA98C11603	22/09/98	EL 5062	304400	8489600	DA98C1A1603	54.7352	0	0	45.2648	0	0	0	0	2206	0	19.46344
DA98C11604	22/09/98	EL 5062	304400	8489700	DA98C1A1604	9.471893	0	0	90.52811	0	0	0	0	2206	0	16.66785
DA98C11605	22/09/98	EL 5062	304400	8489800	DA98C1A1605	58.12556	0	0	41.87444	0	0	0	0	2206	0	17.62983
DA98C11606	22/09/98	EL 5062	304400	8489900	DA98C1A1606	100	0	0	0	0	0	0	0	2206	0	18.57442
DA98C11607	22/09/98	EL 5062	304400	8490000	DA98C1A1607	57.4789	0	0	42.5211	0	0	0	0	2206	0	20.63845
DA98C11614	22/09/98	EL 5062	304600	8489800	DA98C1A1614	27.58026	0	0	72.41974	0	0	0	0	2206	0	14.97802
DA98C11615	22/09/98	EL 5062	304600	8489700	DA98C1A1615	36.40401	0	0	63.59599	0	0	0	0	2206	0	14.3049
DA98C11616	22/09/98	EL 5062	304600	8489600	DA98C1A1616	52.63168	0	0	47.36832	0	0	0	0	2206	0	14.73041
DA98C11618	22/09/98	EL 5062	304600	8489400	DA98C1A1618	52.81319	0	0	47.18681	0	0	0	0	2206	0	13.01784
DA98C11619	22/09/98	EL 5062	304600	8489300	DA98C1A1619	46.09631	0	0	53.90369	0	0	0	0	2206	0	10.68622
DA98C11620	22/09/98	EL 5062	304200	8489300	DA98C1A1620	34.35484	0	0	0	66	0	0	0	2206	0	20.6775
DA98C11621	22/09/98	EL 5062	304200	8489400	DA98C1A1621	47.05488	0	0	52.94512	0	0	0	0	2206	0	19.83546
DA98C11622	22/09/98	EL 5062	304200	8489500	DA98C1A1622	41.95057	0	0	58.04943	0	0	0	0	2206	0	19.96542
DA98C11623	22/09/98	EL 5062	304200	8489600	DA98C1A1623	47.37493	0	0	52.62507	0	0	0	0	2206	0	19.87926
DA98C11624	22/09/98	EL 5062	304200	8489700	DA98C1A1624	35.01204	0	0	64.98796	0	0	0	0	2206	0	23.80606
DA98C11625	22/09/98	EL 5062	304200	8489800	DA98C1A1625	36.53132	0	0	0	63	0	0	0	2206	0	19.17128
DA98C11634	22/09/98	EL 5062	304000	8489900	DA98C1A1634	1.780991	0	0	98.21901	0	0	0	0	2208	0	25.7734
DA98C11639	22/09/98	EL 5062	304000	8489400	DA98C1A1639	100	0	0	0	0	0	0	0	2206	0	18.80082
DA98C11640	22/09/98	EL 5062	304000	8489300	DA98C1A1640	45.44421	0	0	54.55579	0	0	0	0	2206	0	25.08909
DA98C11641	22/09/98	EL 5062	304800	8489300	DA98C1A1641	62.91766	0	0	37.08234	0	0	0	0	2206	0	19.44982
DA98C11642	22/09/98	EL 5062	304800	8489400	DA98C1A1642	16.2631	0	0	83.7369	0	0	0	0	2206	0	14.95977
DA98C11643	22/09/98	EL 5062	304800	8489500	DA98C1A1643	25.30574	0	0	74.69426	0	0	0	0	2206	0	25.93015
DA98C11644	22/09/98	EL 5062	304800	8489600	DA98C1A1644	39.21883	0	0	60.78117	0	0	0	0	2206	0	22.04781
DA98C11646	22/09/98	EL 5062	304800	8489800	DA98C1A1646	64.91945	0	0	35.08055	0	0	0	0	2206	0	17.9022
DA98C11900	22/09/98	EL 5062	304959	8490209	DA98C1A1900	0	0	0	0	0	0	0	0	0	0	15.40349
DA98C11901	22/09/98	EL 5062	305444	8490184	DA98C1A1901	50.05294	0	0	49.94706	0	0	0	0	2206	0	15.47028
DA98C11902	22/09/98	EL 5062	305730	8490040	DA98C1A1902	3.554596	0	0	96.4454	0	0	0	0	2206	0	26.74879
DA98C11903	22/09/98	EL 5062	305730	8490198	DA98C1A1903	49.84423	0	0	50.15577	0	0	0	0	2206	0	23.71161
DA98C12008	23/08/98	EL 5062	295867	8502861	DA98C1A2008	24.07883	0	0	75.92117	0	0	0	0	2208	0	46.72225
DA98C12009	23/08/98	EL 5062	296242	8502053	DA98C1A2009	93.76101	6	0	0	0	0	0	0	2196	0	27.7676
DA98C12011	23/08/98	EL 5062	294466	8507028	DA98C1A2011	33.0949	0	0	66.9051	0	0	0	0	2208	0	45.401
DA98C12013	23/08/98	EL 5062	306600	8485644	DA98C1A2013	42.60468	0	0	57.39532	0	0	0	0	2208	0	11.02516
DA98C12014	23/08/98	EL 5062	306407	8485631	DA98C1A2014	32.04772	0	0	67.95228	0	0	0	0	2208	0	18.63918
DA98C12015	23/08/98	EL 5062	306354	8485664	DA98C1A2015	56.90411	43	0	0	0	0	0	0	2202	2342	3.21014
DA98C13001	23/08/98	EL 5062	309900	8476300	DA98C1A3001	100	0	0	0	0	0	0	0	2204	2346	6.343144
DA98C13002	23/08/98	EL 5062	309959	8476373	DA98C1A3002	100	0	0	0	0	0	0	0	2206	0	7.117263
DA98C13004	23/08/98	EL 5062	303923	8484345	DA98C1A3004	100	0	0	0	0	0	0	0	2204	2346	4.77315
DA98C13005	23/08/98	EL 5062	304056	8484536	DA98C1A3005	93.44158	0	0	0	0	7	0	0	2208	0	6.018199
DA98C13006	23/08/98	EL 5062	309067	8490966	DA98C1A3006	17.13503	0	0	53.93401	0	29	0	0	2206	0	12.56961
DA98C13007	23/08/98	EL 5061	310694	8488837	DA98C1A3007	100	0	0	0	0	0	0	0	2204	0	18.13468
DA98C13008	23/08/98	EL 5061	310788	8488885	DA98C1A3008	41.00831	0	0	58.99169	0	0	0	0	2206	0	18.10951
DA98C13200	13/09/98	EL 5061	338750	8557850	DA98C1A3200	66.46178	0	0	33.53822	0	0	0	0	2204	0	3.514573
DA98C13201	13/09/98	EL 5061	338804	8557848	DA98C1A3201	100	0	0	0	0	0	0	0	2200	0	11.57218
DA98C13202	13/09/98	EL 5061	338850	8557853	DA98C1A3202	33.92699	0	0	66.07301	0	0	0	0	2206	0	6.354191

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C13203	13/09/98	EL 5061	338903	8557851	DA98C1A3203	100	0	0	0	0	0	0	0	2202	0	24.89606
DA98C13204	13/09/98	EL 5061	338952	8557850	DA98C1A3204	100	0	0	0	0	0	0	0	2204	0	24.31085
DA98C13205	13/09/98	EL 5061	339001	8557852	DA98C1A3205	100	0	0	0	0	0	0	0	2204	0	37.14555
DA98C13206	13/09/98	EL 5061	339047	8557852	DA98C1A3206	63.66568	0	0	36.33432	0	0	0	0	2206	0	23.97638
DA98C13207	13/09/98	EL 5061	339100	8557852	DA98C1A3207	97.85029	2	0	0	0	0	0	0	2204	2346	25.2996
DA98C13208	13/09/98	EL 5061	339152	8557849	DA98C1A3208	89.8784	10	0	0	0	0	0	0	2204	0	37.17864
DA98C13209	13/09/98	EL 5061	339203	8557849	DA98C1A3209	100	0	0	0	0	0	0	0	2204	0	21.55206
DA98C13210	13/09/98	EL 5061	339252	8557851	DA98C1A3210	91.41143	9	0	0	0	0	0	0	2204	0	8.660052
DA98C13211	13/09/98	EL 5061	339299	8557850	DA98C1A3211	85.17101	0	0	14.829	0	0	0	0	2206	0	10.96288
DA98C13212	13/09/98	EL 5061	339354	8557851	DA98C1A3212	84.16404	0	0	15.83596	0	0	0	0	2206	0	5.447884
DA98C13213	13/09/98	EL 5061	339401	8557849	DA98C1A3213	91.0498	0	0	8.950204	0	0	0	0	2206	0	18.10782
DA98C13214	13/09/98	EL 5061	339450	8557848	DA98C1A3214	82.59549	0	17	0	0	0	0	0	2206	0	3.36236
DA98C13215	13/09/98	EL 5061	339448	8558004	DA98C1A3215	92.58958	7	0	0	0	0	0	0	2200	2346	25.39815
DA98C13216	13/09/98	EL 5061	339400	8558003	DA98C1A3216	100	0	0	0	0	0	0	0	2202	0	29.81925
DA98C13217	13/09/98	EL 5061	339349	8558000	DA98C1A3217	100	0	0	0	0	0	0	0	2200	0	25.53241
DA98C13218	13/09/98	EL 5061	339301	8558000	DA98C1A3218	82.24422	0	0	0	0	18	0	0	2200	0	3.985445
DA98C13219	13/09/98	EL 5061	339250	8558002	DA98C1A3219	38.36251	0	62	0	0	0	0	0	2206	0	7.198638
DA98C13220	13/09/98	EL 5061	339200	8558003	DA98C1A3220	100	0	0	0	0	0	0	0	2206	0	20.32254
DA98C13221	13/09/98	EL 5061	339153	8558008	DA98C1A3221	71.02278	0	29	0	0	0	0	0	2204	0	9.009241
DA98C13222	13/09/98	EL 5061	339100	8558004	DA98C1A3222	97.27258	0	0	2.727413	0	0	0	0	2204	0	6.458138
DA98C13223	13/09/98	EL 5061	339040	8558008	DA98C1A3223	100	0	0	0	0	0	0	0	2200	2346	6.134218
DA98C13224	13/09/98	EL 5061	339003	8558006	DA98C1A3224	56.36959	0	0	43.63041	0	0	0	0	2206	0	35.09153
DA98C13225	13/09/98	EL 5061	338950	8558003	DA98C1A3225	63.73232	0	0	36.26768	0	0	0	0	2206	0	19.09495
DA98C13226	13/09/98	EL 5061	338899	8558007	DA98C1A3226	100	0	0	0	0	0	0	0	2200	0	6.656977
DA98C13227	13/09/98	EL 5061	338850	8558010	DA98C1A3227	100	0	0	0	0	0	0	0	2202	0	38.99281
DA98C13228	13/09/98	EL 5061	338800	8558007	DA98C1A3228	100	0	0	0	0	0	0	0	2202	0	34.90253
DA98C13229	13/09/98	EL 5061	338750	8558007	DA98C1A3229	100	0	0	0	0	0	0	0	2206	0	19.95306
DA98C13230	13/09/98	EL 5061	338750	8558101	DA98C1A3230	100	0	0	0	0	0	0	0	2202	0	30.84357
DA98C13231	13/09/98	EL 5061	338803	8558107	DA98C1A3231	100	0	0	0	0	0	0	0	2202	2344	9.388623
DA98C13232	13/09/98	EL 5061	338851	8558092	DA98C1A3232	91.03288	0	0	0	0	9	0	0	2198	2338	11.09162
DA98C13233	13/09/98	EL 5061	338906	8558096	DA98C1A3233	100	0	0	0	0	0	0	0	2204	0	40.0872
DA98C13234	13/09/98	EL 5061	338953	8558104	DA98C1A3234	86.97066	0	0	13.02934	0	0	0	0	2204	0	30.16333
DA98C13235	13/09/98	EL 5061	339003	8558108	DA98C1A3235	100	0	0	0	0	0	0	0	2202	0	44.79784
DA98C13236	13/09/98	EL 5061	339051	8558103	DA98C1A3236	79.81038	0	0	20.18962	0	0	0	0	2206	0	22.13561
DA98C13237	13/09/98	EL 5061	339102	8558100	DA98C1A3237	100	0	0	0	0	0	0	0	2204	0	18.68994
DA98C13238	13/09/98	EL 5061	339154	8558103	DA98C1A3238	79.18925	21	0	0	0	0	0	0	2204	0	15.26482
DA98C13239	13/09/98	EL 5061	339203	8558100	DA98C1A3239	72.70929	0	0	27.29071	0	0	0	0	2204	0	11.69598
DA98C13240	13/09/98	EL 5061	339253	8558105	DA98C1A3240	69.47833	0	0	16.94757	0	14	0	0	2204	0	8.409759
DA98C13241	13/09/98	EL 5061	339298	8558123	DA98C1A3241	82.00051	0	0	17.99949	0	0	0	0	2204	0	8.915018
DA98C13242	13/09/98	EL 5061	339352	8558109	DA98C1A3242	73.79765	0	26	0	0	0	0	0	2204	2344	7.897909
DA98C13243	13/09/98	EL 5061	339403	8558105	DA98C1A3243	82.55722	0	0	17.44278	0	0	0	0	2204	0	39.37755
DA98C13244	13/09/98	EL 5061	339452	8558181	DA98C1A3244	93.38205	7	0	0	0	0	0	0	2202	2346	19.21878
DA98C13245	13/09/98	EL 5061	339152	8558210	DA98C1A3245	0	0	0	0	0	0	0	1	2204	2346	13.09354
DA98C13246	13/09/98	EL 5061	339400	8558202	DA98C1A3246	82.61272	0	17	0	0	0	0	0	2204	0	7.467236
DA98C13247	13/09/98	EL 5061	339346	8558201	DA98C1A3247	60.71441	0	39	0	0	0	0	0	2204	0	9.986198
DA98C13248	13/09/98	EL 5061	339303	8558201	DA98C1A3248	84.64922	0	0	15.35078	0	0	0	0	2204	0	30.40258
DA98C13249	13/09/98	EL 5061	339251	8558202	DA98C1A3249	88.72318	0	0	11.27682	0	0	0	0	2204	0	3.938419

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C13250	13/09/98	EL 5061	339205	8558202	DA98C1A3250	100	0	0	0	0	0	0	0	2202	0	6.569077
DA98C13251	13/09/98	EL 5061	339147	8558201	DA98C1A3251	56.83565	0	0	43.16435	0	0	0	0	2204	0	34.65595
DA98C13252	13/09/98	EL 5061	339101	8558199	DA98C1A3252	99.35609	0	0	0.643909	0	0	0	0	2204	0	24.54092
DA98C13253	13/09/98	EL 5061	339047	8558195	DA98C1A3253	100	0	0	0	0	0	0	0	2202	0	28.45834
DA98C13254	13/09/98	EL 5061	339002	8558202	DA98C1A3254	82.45957	0	0	0	0	18	0	0	2204	0	4.75784
DA98C13255	13/09/98	EL 5061	338946	8558202	DA98C1A3255	100	0	0	0	0	0	0	0	2198	0	10.17028
DA98C13256	13/09/98	EL 5061	338899	8558207	DA98C1A3256	100	0	0	0	0	0	0	0	2200	2336	2.199678
DA98C13257	13/09/98	EL 5061	338848	8558207	DA98C1A3257	0	0	0	0	0	0	0	0	2198	2338	1.732354
DA98C13258	13/09/98	EL 5061	338798	8558207	DA98C1A3258	0	0	0	0	0	0	0	1	2202	0	7.688691
DA98C13259	13/09/98	EL 5061	338751	8558198	DA98C1A3259	82.67128	0	0	17.32872	0	0	0	0	2204	0	7.169925
DA98C13260	13/09/98	EL 5061	338754	8558302	DA98C1A3260	88.06307	0	0	11.93693	0	0	0	0	2204	0	12.59052
DA98C13261	13/09/98	EL 5061	338798	8558281	DA98C1A3261	100	0	0	0	0	0	0	0	2202	0	8.974648
DA98C13262	13/09/98	EL 5061	338854	8558301	DA98C1A3262	100	0	0	0	0	0	0	0	2204	0	22.12526
DA98C13263	13/09/98	EL 5061	338903	8558298	DA98C1A3263	28.50982	18	0	0	53	0	0	0	2204	2334	1.244071
DA98C13264	13/09/98	EL 5061	338951	8558301	DA98C1A3264	92.4838	0	0	0	0	8	0	0	2202	2342	8.66123
DA98C13265	13/09/98	EL 5061	338998	8558300	DA98C1A3265	88.97841	0	0	0	0	11	0	0	2204	0	9.755673
DA98C13266	13/09/98	EL 5061	339049	8558301	DA98C1A3266	49.91935	50	0	0	0	0	0	0	2206	2344	4.199058
DA98C13267	13/09/98	EL 5061	339100	8558301	DA98C1A3267	100	0	0	0	0	0	0	0	2204	0	42.04607
DA98C13268	13/09/98	EL 5061	339151	8558301	DA98C1A3268	82.76156	0	0	9.24881	0	8	0	0	2204	0	18.00626
DA98C13269	14/09/98	EL 5061	339201	8558300	DA98C1A3269	69.59219	24	0	6.466179	0	0	0	0	2204	2346	6.708787
DA98C13270	14/09/98	EL 5061	339251	8558302	DA98C1A3270	100	0	0	0	0	0	0	0	2204	0	19.42931
DA98C13271	14/09/98	EL 5061	339300	8558300	DA98C1A3271	84.40244	0	0	15.59756	0	0	0	0	2204	0	3.171343
DA98C13272	14/09/98	EL 5061	339350	8558300	DA98C1A3272	100	0	0	0	0	0	0	0	2202	0	11.82598
DA98C13273	14/09/98	EL 5061	339400	8558300	DA98C1A3273	79.64131	0	0	20.35868	0	0	0	0	2204	0	12.72823
DA98C13274	14/09/98	EL 5061	339451	8558299	DA98C1A3274	56.49667	0	32	0	0	12	0	0	2204	0	10.3645
DA98C13275	14/09/98	EL 5061	339451	8558451	DA98C1A3275	47.23193	0	53	0	0	0	0	0	2204	0	5.136112
DA98C13276	14/09/98	EL 5061	339400	8558449	DA98C1A3276	100	0	0	0	0	0	0	0	2202	0	25.58441
DA98C13277	14/09/98	EL 5061	339350	8558149	DA98C1A3277	100	0	0	0	0	0	0	0	2198	0	14.299
DA98C13278	14/09/98	EL 5061	339301	8558451	DA98C1A3278	82.96139	0	0	17.03861	0	0	0	0	2204	0	10.10742
DA98C13279	14/09/98	EL 5061	339250	8558450	DA98C1A3279	83.07086	17	0	0	0	0	0	0	2202	0	22.59133
DA98C13280	14/09/98	EL 5061	339200	8558450	DA98C1A3280	81.28753	19	0	0	0	0	0	0	2204	2346	19.10485
DA98C13281	14/09/98	EL 5061	339151	8558450	DA98C1A3281	98.57402	0	0	1.425982	0	0	0	0	2204	0	15.54875
DA98C13282	14/09/98	EL 5061	339100	8558450	DA98C1A3282	100	0	0	0	0	0	0	0	2202	0	42.84748
DA98C13283	14/09/98	EL 5061	339050	8558451	DA98C1A3283	100	0	0	0	0	0	0	0	2206	2338	8.86183
DA98C13284	14/09/98	EL 5061	339000	8558451	DA98C1A3284	23.16451	45	0	32.04573	0	0	0	0	2206	0	36.00342
DA98C13285	14/09/98	EL 5061	338949	8558451	DA98C1A3285	100	0	0	0	0	0	0	0	2202	0	38.09997
DA98C13286	14/09/98	EL 5061	338901	8558450	DA98C1A3286	100	0	0	0	0	0	0	0	2204	0	20.05543
DA98C13287	14/09/98	EL 5061	338851	8558451	DA98C1A3287	84.5098	0	0	15.4902	0	0	0	0	2204	0	13.96801
DA98C13288	14/09/98	EL 5061	338800	8558450	DA98C1A3288	100	0	0	0	0	0	0	0	2198	2346	19.02031
DA98C13289	14/09/98	EL 5061	338750	8558449	DA98C1A3289	100	0	0	0	0	0	0	0	2204	0	4.206903
DA98C13290	14/09/98	EL 5061	338751	8558551	DA98C1A3290	100	0	0	0	0	0	0	0	2200	2346	20.43648
DA98C13291	14/09/98	EL 5061	338801	8558550	DA98C1A3291	68.57019	0	0	31.42981	0	0	0	0	2204	0	17.38811
DA98C13292	14/09/98	EL 5061	338850	8558552	DA98C1A3292	100	0	0	0	0	0	0	0	2200	2346	19.99012
DA98C13293	14/09/98	EL 5061	338901	8558550	DA98C1A3293	100	0	0	0	0	0	0	0	2204	0	43.1851
DA98C13294	14/09/98	EL 5061	338951	8558550	DA98C1A3294	59.87163	0	0	40.12837	0	0	0	0	2206	0	25.21904
DA98C13295	14/09/98	EL 5061	338999	8558549	DA98C1A3295	0	0	0	0	0	100	0	0	2204	2346	3.498933
DA98C13296	14/09/98	EL 5061	339051	8558550	DA98C1A3296	100	0	0	0	0	0	0	0	2200	0	26.1576

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C13297	14/09/98	EL 5061	339102	8558550	DA98C1A3297	43.62675	0	0	56.37325	0	0	0	0	2206	0	26.83292
DA98C13298	14/09/98	EL 5061	339150	8558550	DA98C1A3298	95.67593	4	0	0	0	0	0	0	2198	0	11.17228
DA98C13299	14/09/98	EL 5061	339200	8558551	DA98C1A3299	84.33172	16	0	0	0	0	0	0	2200	2346	22.18992
DA98C13300	14/09/98	EL 5061	339251	8558550	DA98C1A3300	83.43738	0	0	16.56262	0	0	0	0	2204	0	4.457671
DA98C13301	14/09/98	EL 5061	339300	8558551	DA98C1A3301	71.20789	0	29	0	0	0	0	0	2204	0	17.22507
DA98C13302	14/09/98	EL 5061	339352	8558551	DA98C1A3302	29.5775	0	70	0	0	0	0	0	2204	0	10.07435
DA98C13303	14/09/98	EL 5061	339400	8558550	DA98C1A3303	100	0	0	0	0	0	0	0	2204	0	20.32433
DA98C13304	14/09/98	EL 5061	339451	8558550	DA98C1A3304	32.96926	0	67	0	0	0	0	0	2204	0	19.89731
DA98C13305	16/09/98	EL 5062	307299	8473399	DA98C1A3305	26.59077	0	0	0	73	0	0	0	2206	0	23.94049
DA98C13306	16/09/98	EL 5062	307401	8473400	DA98C1A3306	100	0	0	0	0	0	0	0	2204	0	15.93348
DA98C13308	16/09/98	EL 5062	307600	8473400	DA98C1A3308	58.82716	0	0	41.17284	0	0	0	0	2206	0	8.539745
DA98C13313	16/09/98	EL 5062	308098	8473399	DA98C1A3313	100	0	0	0	0	0	0	0	2206	0	8.736532
DA98C13318	16/09/98	EL 5062	308604	8473399	DA98C1A3318	52.97633	0	0	47.02367	0	0	0	0	2206	0	5.821821
DA98C13322	16/09/98	EL 5062	308502	8473202	DA98C1A3322	3.141685	0	0	69.4341	0	27	0	0	2206	0	15.54683
DA98C13323	16/09/98	EL 5062	308400	8473199	DA98C1A3323	39.57145	0	0	0	60	0	0	0	2208	0	16.44698
DA98C13328	16/09/98	EL 5062	307900	8473199	DA98C1A3328	88.32317	0	0	11.67684	0	0	0	0	2204	2346	9.940153
DA98C13329	16/09/98	EL 5062	307800	8473200	DA98C1A3329	100	0	0	0	0	0	0	0	2208	0	16.17161
DA98C13330	16/09/98	EL 5062	307700	8473200	DA98C1A3330	50.05252	0	0	35.49843	0	14	0	0	2206	0	6.101356
DA98C13331	16/09/98	EL 5062	307600	8473200	DA98C1A3331	100	0	0	0	0	0	0	0	2206	0	9.555109
DA98C13332	16/09/98	EL 5062	307499	8473200	DA98C1A3332	64.97706	0	0	35.02294	0	0	0	0	2206	0	18.37746
DA98C13333	16/09/98	EL 5062	307400	8473199	DA98C1A3333	61.23383	0	0	38.76617	0	0	0	0	2206	0	18.80311
DA98C13335	16/09/98	EL 5062	307300	8472999	DA98C1A3335	100	0	0	0	0	0	0	0	2206	2346	20.59368
DA98C13339	16/09/98	EL 5062	307700	8472998	DA98C1A3339	72.95274	0	0	27.04726	0	0	0	0	2206	0	21.75951
DA98C13341	16/09/98	EL 5062	307902	8472999	DA98C1A3341	92.11024	0	0	0	0	8	0	0	2210	0	15.82526
DA98C13342	16/09/98	EL 5062	308004	8472998	DA98C1A3342	92.11024	0	0	0	0	8	0	0	2210	0	15.82526
DA98C13355	16/09/98	EL 5062	308200	8472800	DA98C1A3355	64.74567	0	0	35.25433	0	0	0	0	2206	0	25.25167
DA98C13358	16/09/98	EL 5062	307900	8472800	DA98C1A3358	69.97237	0	0	30.02763	0	0	0	0	2206	0	26.2026
DA98C13367	16/09/98	EL 5062	307501	8472600	DA98C1A3367	0	0	0	100	0	0	0	0	2206	0	22.26059
DA98C13368	16/09/98	EL 5062	307600	8472599	DA98C1A3368	0	0	0	100	0	0	0	0	2206	0	31.64324
DA98C13369	16/09/98	EL 5062	307700	8472599	DA98C1A3369	100	0	0	0	0	0	0	0	2204	0	13.01424
DA98C13370	16/09/98	EL 5062	307799	8472599	DA98C1A3370	43.85415	0	0	56.14585	0	0	0	0	2208	2334	5.690941
DA98C13372	16/09/98	EL 5062	308000	8472599	DA98C1A3372	100	0	0	0	0	0	0	0	2200	2346	25.15862
DA98C13373	16/09/98	EL 5062	308100	8472599	DA98C1A3373	100	0	0	0	0	0	0	0	2204	0	19.51112
DA98C13374	16/09/98	EL 5062	308203	8472601	DA98C1A3374	100	0	0	0	0	0	0	0	2202	0	20.61699
DA98C13376	16/09/98	EL 5062	308401	8472599	DA98C1A3376	63.57176	0	0	36.42824	0	0	0	0	2206	0	15.04519
DA98C13377	16/09/98	EL 5062	308504	8472601	DA98C1A3377	65.85178	0	0	34.14822	0	0	0	0	2206	0	14.80293
DA98C13380	17/09/98	EL 5062	307300	8472400	DA98C1A3380	71.82771	0	28	0	0	0	0	0	2208	0	3.532324
DA98C13381	17/09/98	EL 5062	307401	8472401	DA98C1A3381	91.64124	0	0	0	0	8	0	0	2210	0	4.953502
DA98C13382	17/09/98	EL 5062	307500	8472400	DA98C1A3382	19.33975	0	0	80.66025	0	0	0	0	2206	0	26.41176
DA98C13383	17/09/98	EL 5062	307601	8472400	DA98C1A3383	100	0	0	0	0	0	0	0	2206	0	3.577586
DA98C13385	17/09/98	EL 5062	307800	8472401	DA98C1A3385	20.9399	0	0	79.0601	0	0	0	0	2206	0	43.58799
DA98C13388	17/09/98	EL 5062	308100	8472401	DA98C1A3388	100	0	0	0	0	0	0	0	2204	0	17.88061
DA98C13389	17/09/98	EL 5062	308200	8472400	DA98C1A3389	100	0	0	0	0	0	0	0	2206	0	25.77312
DA98C13390	17/09/98	EL 5062	308301	8472401	DA98C1A3390	92.55479	0	0	0	0	7	0	0	2208	0	13.82818
DA98C13396	17/09/98	EL 5062	308600	8472200	DA98C1A3396	100	0	0	0	0	0	0	0	2206	0	23.72297
DA98C13402	16/09/98	EL 5062	307500	8473300	DA98C1A3402	100	0	0	0	0	0	0	0	2204	0	26.47513
DA98C13408	16/09/98	EL 5062	308100	8473300	DA98C1A3408	100	0	0	0	0	0	0	0	2206	0	5.685223

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C13413	16/09/98	EL 5062	308600	8473300	DA98C1A3413	7.867706	0	0	92.13229	0	0	0	0	2206	0	18.86056
DA98C13416	16/09/98	EL 5062	307400	8473100	DA98C1A3416	100	0	0	0	0	0	0	0	2204	2344	8.083498
DA98C13417	16/09/98	EL 5062	307500	8473100	DA98C1A3417	50.44634	0	0	49.55366	0	0	0	0	2206	0	15.67086
DA98C13418	16/09/98	EL 5062	307600	8473100	DA98C1A3418	100	0	0	0	0	0	0	0	2206	0	23.53238
DA98C13419	16/09/98	EL 5062	307700	8473100	DA98C1A3419	93.02154	0	7	0	0	0	0	0	2206	2344	12.33361
DA98C13420	16/09/98	EL 5062	307800	8473100	DA98C1A3420	78.09122	0	0	21.90878	0	0	0	0	2206	0	26.47581
DA98C13421	16/09/98	EL 5062	307900	8473100	DA98C1A3421	78.09122	0	0	21.90878	0	0	0	0	2206	0	26.47581
DA98C13427	16/09/98	EL 5062	308500	8473100	DA98C1A3427	16.59194	0	0	83.40806	0	0	0	1	2206	2326	2.419326
DA98C13428	16/09/98	EL 5062	308600	8473100	DA98C1A3428	26.24782	0	0	73.75218	0	0	0	0	2206	0	12.30791
DA98C13432	16/09/98	EL 5062	308500	8472900	DA98C1A3432	39.76976	0	0	60.23024	0	0	0	0	2208	0	5.254614
DA98C13437	16/09/98	EL 5062	308000	8472900	DA98C1A3437	89.77729	0	0	10.22271	0	0	0	0	2206	0	19.63343
DA98C13438	16/09/98	EL 5062	307900	8472900	DA98C1A3438	65.48053	0	0	34.51947	0	0	0	0	2206	0	19.6573
DA98C13439	16/09/98	EL 5062	307800	8472900	DA98C1A3439	100	0	0	0	0	0	0	0	2206	0	7.086311
DA98C13440	16/09/98	EL 5062	307700	8472900	DA98C1A3440	85.20435	0	0	0	0	15	0	0	2206	2344	16.57851
DA98C13444	16/09/98	EL 5062	307306	8472906	DA98C1A3444	100	0	0	0	0	0	0	0	2204	0	30.05463
DA98C13446	16/09/98	EL 5062	307400	8472700	DA98C1A3446	100	0	0	0	0	0	0	0	2206	0	32.10286
DA98C13447	16/09/98	EL 5062	307500	8472700	DA98C1A3447	73.72855	0	0	26.27146	0	0	0	0	2204	0	38.57456
DA98C13448	16/09/98	EL 5062	307600	8472700	DA98C1A3448	100	0	0	0	0	0	0	0	2202	0	18.35037
DA98C13449	16/09/98	EL 5062	307700	8472700	DA98C1A3449	53.39025	0	0	46.60975	0	0	0	0	2206	0	10.12843
DA98C13451	16/09/98	EL 5062	307900	8472700	DA98C1A3451	88.67534	0	0	0	0	11	0	0	2204	0	15.95534
DA98C13453	16/09/98	EL 5062	308100	8472700	DA98C1A3453	100	0	0	0	0	0	0	0	2208	0	20.0626
DA98C13454	16/09/98	EL 5062	308200	8472700	DA98C1A3454	100	0	0	0	0	0	0	0	2206	0	26.91768
DA98C13455	16/09/98	EL 5062	308300	8472700	DA98C1A3455	82.23248	0	0	17.76751	0	0	0	0	2206	0	13.90292
DA98C13457	16/09/98	EL 5062	308500	8472700	DA98C1A3457	76.54015	0	0	23.45985	0	0	0	0	2206	0	29.74321
DA98C13460	17/09/98	EL 5062	307300	8472500	DA98C1A3460	3.838959	0	0	96.16104	0	0	0	0	2206	0	13.58611
DA98C13461	17/09/98	EL 5062	307400	8472500	DA98C1A3461	0	0	0	100	0	0	0	0	2206	0	14.78517
DA98C13463	17/09/98	EL 5062	307600	8472500	DA98C1A3463	41.46774	0	0	51.7142	0	7	0	0	2204	0	8.949401
DA98C13464	17/09/98	EL 5062	307700	8472500	DA98C1A3464	16.15388	0	0	83.84612	0	0	0	0	2206	0	5.912905
DA98C13465	17/09/98	EL 5062	307800	8472500	DA98C1A3465	74.04101	0	0	25.95899	0	0	0	0	2206	0	8.91402
DA98C13466	17/09/98	EL 5062	307900	8472500	DA98C1A3466	33.13728	0	0	66.86272	0	0	0	0	2206	0	10.88417
DA98C13467	17/09/98	EL 5062	308000	8472500	DA98C1A3467	100	0	0	0	0	0	0	0	2206	2346	3.120018
DA98C13468	17/09/98	EL 5062	308100	8472500	DA98C1A3468	36.6768	0	0	50.91599	0	12	0	0	2206	0	19.38627
DA98C13469	17/09/98	EL 5062	308200	8472500	DA98C1A3469	100	0	0	0	0	0	0	0	2204	0	22.54365
DA98C13470	17/09/98	EL 5062	308300	8472500	DA98C1A3470	100	0	0	0	0	0	0	0	2204	0	20.8544
DA98C13471	17/09/98	EL 5062	308329.4	8472495.3	DA98C1A3471	49.01557	0	0	50.98443	0	0	0	0	2206	0	23.18019
DA98C13474	17/09/98	EL 5062	308400	8472500	DA98C1A3474	100	0	0	0	0	0	0	0	2204	0	19.8578
DA98C13475	17/09/98	EL 5062	308500	8472500	DA98C1A3475	0	0	0	0	0	0	0	0	2212	2342	3.201031
DA98C13476	17/09/98	EL 5062	308600	8472500	DA98C1A3476	94.439	0	0	0	0	6	0	0	2202	2346	18.14433
DA98C13477	17/09/98	EL 5062	308693	8472495	DA98C1A3477	51.15345	0	0	48.84655	0	0	0	0	2206	0	35.16826
DA98C13478	17/09/98	EL 5062	308700	8472300	DA98C1A3478	100	0	0	0	0	0	0	0	2204	0	20.00165
DA98C13479	17/09/98	EL 5062	308600	8472300	DA98C1A3479	100	0	0	0	0	0	0	0	2204	0	16.14159
DA98C13486	17/09/98	EL 5062	307900	8472300	DA98C1A3486	100	0	0	0	0	0	0	0	2204	0	20.68099
DA98C13490	17/09/98	EL 5062	307500	8472300	DA98C1A3490	41.52126	0	0	58.47874	0	0	0	0	2206	0	18.13472
DA98C13491	17/09/98	EL 5062	307400	8472300	DA98C1A3491	42.20857	0	0	57.79143	0	0	0	0	2206	0	24.33756
DA98C13492	17/09/98	EL 5062	307300	8472300	DA98C1A3492	30.56831	0	0	69.43169	0	0	0	0	2206	0	25.76182
DA98C13493	17/09/98	EL 5062	307300	8472100	DA98C1A3493	44.54057	0	0	55.45943	0	0	0	0	2206	0	28.95755
DA98C13508	17/09/98	EL 5062	307400	8472200	DA98C1A3508	35.80491	0	0	64.19509	0	0	0	0	2206	0	29.36365

Appendix da98-06 Pima Minspec Outcrop

Sample Number	Date	EL Name	Utme	Utmn	PIMA File	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave 1	Peak Wave 2	Signal to Noise
DA98C13604	17/09/98	EL 5062	308400	8472100	DA98C1A3604	14.99609	0	0	85.00391	0	0	0	0	2206	0	16.94305
DA98C13605	17/09/98	EL 5062	308500	8472100	DA98C1A3605	100	0	0	0	0	0	0	0	2208	0	18.48967
DA98C13608	17/09/98	EL 5062	307957	8472660	DA98C1A3608	40.47651	0	0	59.52349	0	0	0	0	2206	0	4.823133
DA98C20252	4/08/98	EL 5061	314200	8533530	da98C2A0252	0	100	0	0	0	0	14	0	2198	2350	1.516497
DA98C20674	13/09/98	EL 5061	330712	8508676	DA98C2A0674	35.05947	0	0	0	65	0	0	0	2208	0	31.63119
DA98C21211	31/08/98	EL 5062	307911	8472660	DA98C2A1211	19.76154	0	0	80.23846	0	0	0	0	2206	0	10.12073
DA98C21238	3/09/98	EL 5062	304552	8489763	DA98C2A1238	58.01448	0	0	41.98552	0	0	0	0	2206	0	7.180496
DA98C21306	5/09/98	EL 5061	313131	8527232	DA98C2A1306	0	0	0	100	0	0	0	0	2206	0	52.1715
DA98C21903	22/09/98	EL 5062	305730	8490198	DA98C2A1903	60.22336	0	0	39.77664	0	0	0	0	2206	0	11.37624
DA98C22015	23/08/98	EL 5062	306354	8485664	DA98C2A2015	49.83692	0	0	50.16308	0	0	0	0	2208	0	5.001861
DA98C23608	17/09/98	EL 5062	307957	8472660	DA98C2A3608	47.85916	0	0	52.14084	0	0	0	0	2206	0	9.056905
DA98C30018	17/08/98	EL 5061	330331	8505527	DA98C3A0018	100	0	0	0	0	0	0	0	2198	0	5.464585
DA98C30610	9/09/98	EL 5061	330836	8508654	DA98C3A0610	23.8316	0	0	0	76	0	0	0	2208	0	5.265786
DA98C31211	31/08/98	EL 5062	307911	8472660	DA98C3A1211	56.46162	0	0	43.53838	0	0	0	0	2206	2344	7.414446
DA98C41211	31/08/98	EL 5062	307911	8472660	DA98C4A1211	0.4400635	0	0	99.55994	0	0	0	0	2206	0	19.16979

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	AlOH 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

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	AlOH 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

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	AlOH 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

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	AlOH 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

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	AlOH 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

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	AlOH 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

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH 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

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	AlOH 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

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH 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

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH 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	AlOH 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	AlOH 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	AlOH 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	AlOH 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	AlOH 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

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH 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

Hole	Sample	FROM	TO	TSA Mineral 1	TSA Weight 1	TSA Mineral 2	TSA Weight 2	TSA Error	Kaolinite Crystallinity	AlOH 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	AlOH 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	AlOH 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	Brocantite	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	AlOH 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	AlOH 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	AlOH 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	AlOH 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

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	AlOH 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	AlOH 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	AlOH 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	AlOH 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	AlOH 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	AlOH 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	AlOH 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

Appendix da98-06 Pima Minspec Drill

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0001	000	0	0.01											
DAD-0001	003	2.72	4.07	100	0	0	0	0	0	0	0	2206	2352	3.60955
DAD-0001	004	4.07	5.43	100	0	0	0	0	0	0	0	2200	0	18.26255
DAD-0001	005	5.43	6.78	100	0	0	0	0	0	0	0	2198	2350	30.64933
DAD-0001	006	6.78	7.68	100	0	0	0	0	0	0	0	2198	2352	24.81544
DAD-0001	007	7.68	8.59	96.636	3	0	0	0	0	0	0	2198	2352	35.20147
DAD-0001	008	8.59	9.49	96.636	3	0	0	0	0	0	0	2198	2352	35.20147
DAD-0001	009	9.49	10.4	100	0	0	0	0	0	0	0	2196	2346	22.954
DAD-0001	010	10.4	11.3	100	0	0	0	0	0	0	0	2198	2348	21.56952
DAD-0001	011	11.3	12.16	100	0	0	0	0	0	0	0	2196	2348	25.68403
DAD-0001	012	12.16	13.03	100	0	0	0	0	0	0	0	2198	2350	25.81379
DAD-0001	013	13.03	13.89	100	0	0	0	0	0	0	0	2198	2350	11.49631
DAD-0001	014	13.89	14.75	100	0	0	0	0	0	0	0	2198	2354	22.99729
DAD-0001	015	14.75	15.61	100	0	0	0	0	0	0	0	2196	2348	5.173629
DAD-0001	016	15.61	16.48	97.2992	0	0	2.700782	0	0	0	0	2198	2342	7.279598
DAD-0001	017	16.48	17.34	100	0	0	0	0	0	0	0	2196	2348	11.39718
DAD-0001	018	17.34	18.22	99.6219	0	0	0.378108	0	0	0	0	2194	2346	7.349131
DAD-0001	019	18.22	19.11	100	0	0	0	0	0	0	0	2196	2344	11.58861
DAD-0001	020	19.11	19.99	100	0	0	0	0	0	0	0	2194	0	11.01248
DAD-0001	021	19.99	20.87	100	0	0	0	0	0	0	0	2196	2348	14.52543
DAD-0001	022	20.87	21.75	100	0	0	0	0	0	0	0	2196	2348	14.52543
DAD-0001	023	21.75	22.64	100	0	0	0	0	0	0	0	2196	2346	22.22588
DAD-0001	024	22.64	23.52	91.4194	0	0	8.580623	0	0	0	0	2198	2352	10.78766
DAD-0001	025	23.52	24.39	90.6778	0	0	9.322155	0	0	0	0	2198	2352	9.514729
DAD-0001	026	24.39	25.26	93.0462	0	0	6.953841	0	0	0	0	2196	2350	7.555124
DAD-0001	027	25.26	26.13	100	0	0	0	0	0	0	0	2194	2348	24.25533
DAD-0001	028	26.13	27.01	100	0	0	0	0	0	0	0	2198	2352	7.350366
DAD-0001	029	27.01	27.88	100	0	0	0	0	0	0	0	2196	2356	15.41813
DAD-0001	030	27.88	28.75	100	0	0	0	0	0	0	0	2196	2344	25.78935
DAD-0001	031	28.75	29.62	100	0	0	0	0	0	0	0	2196	2346	26.23555
DAD-0001	032	29.62	30.52	100	0	0	0	0	0	0	0	2196	2350	17.61143
DAD-0001	033	30.52	31.42	100	0	0	0	0	0	0	0	2196	2344	13.06939
DAD-0001	034	31.42	32.32	100	0	0	0	0	0	0	0	2202	2352	16.78164
DAD-0001	035	32.32	33.22	75.9411	1	23	0	0	0	0	0	2204	2348	14.28526
DAD-0001	036	33.22	34.12	49.6488	1	49	0	0	0	0	0	2204	2354	9.055816
DAD-0001	037	34.12	35.02	96.5124	3	0	0	0	0	0	0	2198	2352	9.533475
DAD-0001	038	35.02	35.92	31.6687	2	67	0	0	0	0	0	2204	2354	35.50322
DAD-0001	039	35.92	36.75	62.0943	0	38	0	0	0	0	0	2204	2350	18.32317
DAD-0001	040	36.75	37.57	25.9947	0	74	0	0	0	0	0	2204	2354	23.47352
DAD-0001	041	37.57	38.4	72.4689	0	28	0	0	0	0	0	2202	2352	18.938
DAD-0001	042	38.4	39.22	64.797	2	33	0	0	0	0	0	2202	2354	17.25632
DAD-0001	043	39.22	40.05	100	0	0	0	0	0	0	0	2196	2352	9.389234
DAD-0001	044	40.05	40.87	100	0	0	0	0	0	0	0	2196	2346	12.92645
DAD-0001	045	40.87	41.7	100	0	0	0	0	0	0	0	2196	2346	20.99027
DAD-0001	046	41.7	42.57	100	0	0	0	0	0	0	0	2196	2352	16.23207
DAD-0001	047	42.57	43.44	100	0	0	0	0	0	0	0	2196	2346	21.9161
DAD-0001	048	43.44	44.31	100	0	0	0	0	0	0	0	2196	2348	27.61257
DAD-0001	049	44.31	45.19	100	0	0	0	0	0	0	0	2198	2346	17.45922
DAD-0001	050	45.19	46.06	100	0	0	0	0	0	0	0	2198	2352	18.26505

Appendix da98-06 Pima Minspec Drill

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0001	051	46.06	46.93	100	0	0	0	0	0	0	0	2198	2354	23.53945
DAD-0001	052	46.93	47.8	100	0	0	0	0	0	0	0	2196	2350	21.45658
DAD-0001	053	47.8	48.71	100	0	0	0	0	0	0	0	2196	2350	12.69476
DAD-0001	054	48.71	49.63	100	0	0	0	0	0	0	0	2198	2350	15.2175
DAD-0001	055	49.63	50.54	100	0	0	0	0	0	0	0	2198	2344	10.81852
DAD-0001	056	50.54	51.46	100	0	0	0	0	0	0	0	2200	2354	7.983138
DAD-0001	057	51.46	52.37	100	0	0	0	0	0	0	0	2196	2352	22.12736
DAD-0001	058	52.37	53.29	100	0	0	0	0	0	0	0	2198	2350	20.33158
DAD-0001	059	53.29	54.2	100	0	0	0	0	0	0	0	2196	2348	20.0774
DAD-0001	060	54.2	55.03	81.517	0	0	18.48297	0	0	0	0	2200	2352	6.737886
DAD-0001	061	55.03	55.87	56.4016	0	0	43.59839	0	0	0	0	2200	2348	6.434706
DAD-0001	062	55.87	56.7	100	0	0	0	0	0	0	0	2196	2354	13.45422
DAD-0001	063	56.7	57.53	100	0	0	0	0	0	0	0	2198	2350	23.21008
DAD-0001	064	57.53	58.37	100	0	0	0	0	0	0	0	2196	2350	20.12414
DAD-0001	065	58.37	59.2	100	0	0	0	0	0	0	0	2198	2346	13.90686
DAD-0001	066	59.2	60.06	86.6263	0	0	13.37368	0	0	0	0	2198	2348	10.60763
DAD-0001	067	60.06	60.91	90.9551	0	0	9.04488	0	0	0	0	2196	2354	6.89583
DAD-0001	068	60.91	61.77	87.2663	0	0	12.73368	0	0	0	0	2196	2356	10.83806
DAD-0001	069	61.77	62.63	94.4507	0	0	5.5493	0	0	0	0	2196	2350	12.32345
DAD-0001	070	62.63	63.49	100	0	0	0	0	0	0	0	2194	2354	10.32147
DAD-0001	071	63.49	64.34	100	0	0	0	0	0	0	0	2194	2350	9.881057
DAD-0001	072	64.34	65.2	100	0	0	0	0	0	0	0	2196	2352	24.93306
DAD-0001	073	65.2	66.08	100	0	0	0	0	0	0	0	2198	2342	13.61365
DAD-0001	074	66.08	66.96	100	0	0	0	0	0	0	0	2196	2352	24.5644
DAD-0001	075	66.96	67.84	100	0	0	0	0	0	0	0	2198	2348	14.60505
DAD-0001	076	67.84	68.72	100	0	0	0	0	0	0	0	2198	2354	25.96905
DAD-0001	077	68.72	69.6	100	0	0	0	0	0	0	0	2198	2352	12.81832
DAD-0001	078	69.6	70.47	100	0	0	0	0	0	0	0	2196	2354	19.5414
DAD-0001	079	70.47	71.33	100	0	0	0	0	0	0	0	2196	2348	13.29521
DAD-0001	080	71.33	72.2	100	0	0	0	0	0	0	0	2196	2350	21.69906
DAD-0001	081	72.2	73.07	100	0	0	0	0	0	0	0	2196	2356	10.35323
DAD-0001	082	73.07	73.93	100	0	0	0	0	0	0	0	2194	2348	5.56016
DAD-0001	083	73.93	74.8	100	0	0	0	0	0	0	0	2196	2356	19.37141
DAD-0001	084	74.8	75.67	92.9418	0	0	7.058248	0	0	0	0	2198	2344	9.981229
DAD-0001	085	75.67	76.53	72.949	0	0	27.05101	0	0	0	0	2196	2354	12.82633
DAD-0001	086	76.53	77.4	100	0	0	0	0	0	0	0	2196	2348	13.15433
DAD-0001	087	77.4	78.27	100	0	0	0	0	0	0	0	2196	2352	18.62602
DAD-0001	088	78.27	79.13	100	0	0	0	0	0	0	0	2194	2350	15.54678
DAD-0001	089	79.13	80	100	0	0	0	0	0	0	0	2196	2350	16.16222
DAD-0001	090	80	80.87	100	0	0	0	0	0	0	0	2196	2346	7.228988
DAD-0001	091	80.87	81.73	100	0	0	0	0	0	0	0	2194	2348	11.97339
DAD-0001	092	81.73	82.6	82.4808	0	0	17.51924	0	0	0	0	2196	2342	5.749147
DAD-0001	093	82.6	83.47	100	0	0	0	0	0	0	0	2194	2350	8.599771
DAD-0001	094	83.47	84.33	100	0	0	0	0	0	0	0	2196	2352	14.17744
DAD-0001	095	84.33	85.2	97.5688	0	0	2.431192	0	0	0	0	2194	2356	10.45107
DAD-0001	096	85.2	86.03	100	0	0	0	0	0	0	0	2196	2350	12.10243
DAD-0001	097	86.03	86.87	100	0	0	0	0	0	0	0	2196	2350	21.32038
DAD-0001	098	86.87	87.7	100	0	0	0	0	0	0	0	2196	2352	22.87697
DAD-0001	099	87.7	88.53	100	0	0	0	0	0	0	0	2196	2350	18.92471

Appendix da98-06 Pima Minspec Drill

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0001	100	88.53	89.37	100	0	0	0	0	0	0	0	2196	2354	13.5383
DAD-0001	101	89.37	90.2	84.9099	0	0	15.09013	0	0	0	0	2200	2348	7.770766
DAD-0001	102	90.2	91.05	100	0	0	0	0	0	0	0	2196	2350	20.73177
DAD-0001	103	91.05	91.9	92.368	0	0	7.632051	0	0	0	0	2200	2356	12.22429
DAD-0001	104	91.9	92.75	100	0	0	0	0	0	0	0	2196	0	10.69297
DAD-0001	105	92.75	93.6	91.4486	0	0	8.551376	0	0	0	0	2196	2352	11.61827
DAD-0001	106	93.6	94.45	100	0	0	0	0	0	0	0	2196	0	11.53218
DAD-0001	107	94.45	95.3	100	0	0	0	0	0	0	0	2202	2354	4.999219
DAD-0001	108	95.3	96.19	100	0	0	0	0	0	0	0	2202	2354	4.999219
DAD-0001	109	96.19	97.07	100	0	0	0	0	0	0	0	2196	2350	16.23425
DAD-0001	110	97.07	97.96	100	0	0	0	0	0	0	0	2198	2350	22.00665
DAD-0001	111	97.96	98.84	100	0	0	0	0	0	0	0	2198	2352	15.33569
DAD-0001	112	98.84	99.73	100	0	0	0	0	0	0	0	2200	2350	7.493023
DAD-0001	113	99.73	100.61	100	0	0	0	0	0	0	0	2198	2356	13.7126
DAD-0001	114	100.61	101.5	100	0	0	0	0	0	0	0	2198	2352	17.86211
DAD-0001	115	101.5	102.4	100	0	0	0	0	0	0	0	2198	2350	22.31924
DAD-0001	116	102.4	103.3	100	0	0	0	0	0	0	0	2198	2352	20.61699
DAD-0001	117	103.3	104.2	100	0	0	0	0	0	0	0	2198	2350	13.53492
DAD-0001	118	104.2	105.1	92.1677	0	0	7.83235	0	0	0	0	2198	2348	8.159445
DAD-0001	119	105.1	106	100	0	0	0	0	0	0	0	2198	2352	11.83246
DAD-0001	120	106	106.9	100	0	0	0	0	0	0	0	2198	2350	15.44081
DAD-0001	121	106.9	107.8	73.6792	0	0	26.32082	0	0	0	0	2204	2350	8.64508
DAD-0001	122	107.8	108.67	83.1844	0	0	16.81557	0	0	0	0	2194	0	6.046694
DAD-0001	123	108.67	109.54	100	0	0	0	0	0	0	0	2198	2350	14.42426
DAD-0001	124	109.54	110.41	0	100	0	0	0	0	4	0	2198	2350	8.783328
DAD-0001	125	110.41	111.29	100	0	0	0	0	0	0	0	2202	2350	13.89958
DAD-0001	126	111.29	112.16	100	0	0	0	0	0	0	0	2198	2352	21.50076
DAD-0001	127	112.16	113.03	100	0	0	0	0	0	0	0	2198	2344	20.1998
DAD-0001	128	113.03	113.9	100	0	0	0	0	0	0	0	2196	2348	23.04303
DAD-0001	129	113.9	114.79	100	0	0	0	0	0	0	0	2196	2350	26.32127
DAD-0001	130	114.79	115.67	100	0	0	0	0	0	0	0	2194	2352	9.091402
DAD-0001	131	115.67	116.56	96.1231	0	0	3.876913	0	0	0	0	2198	2342	2.517937
DAD-0001	132	116.56	117.44	100	0	0	0	0	0	0	0	2194	2344	9.034051
DAD-0001	133	117.44	118.33	100	0	0	0	0	0	0	0	2196	2350	14.75179
DAD-0001	134	118.33	119.21	100	0	0	0	0	0	0	0	2196	2346	20.58228
DAD-0001	135	119.21	120.1	100	0	0	0	0	0	0	0	2196	2350	32.58954
DAD-0001	136	120.1	120.99	100	0	0	0	0	0	0	0	2196	2350	23.39186
DAD-0001	137	120.99	121.87	100	0	0	0	0	0	0	0	2198	2350	5.927069
DAD-0001	138	121.87	122.76	100	0	0	0	0	0	0	0	2196	2348	16.26753
DAD-0001	139	122.76	123.64	100	0	0	0	0	0	0	0	2196	2352	20.08816
DAD-0001	140	123.64	124.53	100	0	0	0	0	0	0	0	2194	2348	5.454459
DAD-0001	141	124.53	125.41	100	0	0	0	0	0	0	0	2196	2348	31.91684
DAD-0001	142	125.41	126.3	100	0	0	0	0	0	0	0	2196	2350	16.97945
DAD-0001	143	126.3	127.2	100	0	0	0	0	0	0	0	2196	2348	27.90108
DAD-0001	144	127.2	128.11	77.6373	0	0	22.36269	0	0	0	0	2200	2342	2.905902
DAD-0001	145	128.11	129.01	100	0	0	0	0	0	0	0	2196	2344	33.97144
DAD-0001	146	129.01	129.92	100	0	0	0	0	0	0	0	2198	2352	6.820848
DAD-0001	147	129.92	130.82	100	0	0	0	0	0	0	0	2198	2350	17.92344
DAD-0001	148	130.82	131.73	100	0	0	0	0	0	0	0	2198	2348	21.17999

Appendix da98-06 Pima Minspec Drill

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0001	149	131.73	132.63	100	0	0	0	0	0	0	0	2198	2352	12.57864
DAD-0001	150	132.63	133.5	100	0	0	0	0	0	0	0	2198	2354	17.88996
DAD-0001	151	133.5	134.37	100	0	0	0	0	0	0	0	2198	2350	25.49296
DAD-0001	152	134.37	135.25	100	0	0	0	0	0	0	0	2198	2350	29.81925
DAD-0001	153	135.25	136.12	100	0	0	0	0	0	0	0	2198	2350	28.34339
DAD-0001	154	136.12	136.99	71.1882	0	0	28.81185	0	0	0	0	2198	2356	6.451336
DAD-0001	155	136.99	137.86	100	0	0	0	0	0	0	0	2198	2350	17.64065
DAD-0001	156	137.86	138.75	76.3352	0	0	23.66483	0	0	0	0	2196	2354	4.567656
DAD-0001	157	138.75	139.65	95.4062	0	0	4.593825	0	0	0	0	2198	0	6.868328
DAD-0001	158	139.65	140.54	100	0	0	0	0	0	0	0	2198	2352	26.30058
DAD-0001	159	140.54	141.43	100	0	0	0	0	0	0	0	2198	2356	16.27553
DAD-0001	160	141.43	142.33	100	0	0	0	0	0	0	0	2198	2356	18.18275
DAD-0001	161	142.33	143.22	100	0	0	0	0	0	0	0	2196	2350	12.36088
DAD-0001	162	143.22	144.09	100	0	0	0	0	0	0	0	2196	2350	11.84095
DAD-0001	163	144.09	144.96	100	0	0	0	0	0	0	0	2200	2350	10.14438
DAD-0001	164	144.96	145.83	75.1617	0	0	24.83834	0	0	0	0	2194	2342	4.309421
DAD-0001	165	145.83	146.69	100	0	0	0	0	0	0	0	2196	2348	11.77651
DAD-0001	166	146.69	147.56	100	0	0	0	0	0	0	0	2198	2348	19.12963
DAD-0001	167	147.56	148.43	100	0	0	0	0	0	0	0	2198	2348	9.374752
DAD-0001	168	148.43	149.29	100	0	0	0	0	0	0	0	2200	2350	18.50983
DAD-0001	169	149.29	150.15	100	0	0	0	0	0	0	0	2196	2350	16.42024
DAD-0001	170	150.15	151.01	100	0	0	0	0	0	0	0	2198	2348	24.39534
DAD-0001	171	151.01	151.86	100	0	0	0	0	0	0	0	2200	2356	9.867182
DAD-0001	172	151.86	152.72	100	0	0	0	0	0	0	0	2198	2344	5.874642
DAD-0001	173	152.72	153.58	100	0	0	0	0	0	0	0	2198	2350	14.42101
DAD-0001	174	153.58	154.46	81.0616	0	0	18.93845	0	0	0	0	2198	2354	5.788291
DAD-0001	175	154.46	155.33	100	0	0	0	0	0	0	0	2196	2352	12.25406
DAD-0001	176	155.33	156.21	100	0	0	0	0	0	0	0	2196	2348	26.24551
DAD-0001	177	156.21	157.09	100	0	0	0	0	0	0	0	2198	2356	12.89982
DAD-0001	178	157.09	157.96	89.7942	0	0	10.20578	0	0	0	0	2196	2348	6.046256
DAD-0001	179	157.96	158.84	100	0	0	0	0	0	0	0	2196	2346	22.15269
DAD-0001	180	158.84	159.7	100	0	0	0	0	0	0	0	2196	2350	11.4831
DAD-0001	181	159.7	160.56	100	0	0	0	0	0	0	0	2194	2350	15.80774
DAD-0001	182	160.56	161.42	100	0	0	0	0	0	0	0	2196	2352	17.21876
DAD-0001	183	161.42	162.28	100	0	0	0	0	0	0	0	2196	2348	7.86035
DAD-0001	184	162.28	163.14	100	0	0	0	0	0	0	0	2196	2350	16.41921
DAD-0001	185	163.14	164	100	0	0	0	0	0	0	0	2196	2348	18.22368
DAD-0001	186	164	164.86	100	0	0	0	0	0	0	0	2196	2348	20.27873
DAD-0001	187	164.86	165.73	100	0	0	0	0	0	0	0	2196	2354	9.37251
DAD-0001	188	165.73	166.59	100	0	0	0	0	0	0	0	2196	2346	26.32833
DAD-0001	189	166.59	167.45	100	0	0	0	0	0	0	0	2196	2346	22.88223
DAD-0001	190	167.45	168.32	89.7058	0	0	10.29419	0	0	0	0	2196	2352	7.714078
DAD-0001	191	168.32	169.18	100	0	0	0	0	0	0	0	2196	2346	28.00813
DAD-0001	192	169.18	170.06	100	0	0	0	0	0	0	0	2196	2348	18.96761
DAD-0001	193	170.06	170.93	100	0	0	0	0	0	0	0	2194	2356	23.20333
DAD-0001	194	170.93	171.81	100	0	0	0	0	0	0	0	2196	2354	21.86871
DAD-0001	195	171.81	172.68	100	0	0	0	0	0	0	0	2196	2352	27.00771
DAD-0001	196	172.68	173.56	100	0	0	0	0	0	0	0	2196	2348	20.13646
DAD-0001	197	173.56	174.43	100	0	0	0	0	0	0	0	2198	2344	27.95037

Appendix da98-06 Pima Minspec Drill

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0001	198	174.43	175.29	79.2641	0	0	20.73589	0	0	0	0	2196	2354	7.724569
DAD-0001	199	175.29	176.15	100	0	0	0	0	0	0	0	2198	2348	12.73015
DAD-0001	200	176.15	177.02	100	0	0	0	0	0	0	0	2198	2356	19.66826
DAD-0001	201	177.02	177.88	100	0	0	0	0	0	0	0	2198	2354	24.95262
DAD-0001	202	177.88	178.74	100	0	0	0	0	0	0	0	2196	2350	22.71407
DAD-0001	203	178.74	179.6	100	0	0	0	0	0	0	0	2200	2356	7.644457
DAD-0001	204	179.6	180.5	100	0	0	0	0	0	0	0	2196	2350	25.59038
DAD-0001	205	180.5	181.4	100	0	0	0	0	0	0	0	2198	2352	17.47239
DAD-0001	206	181.4	182.3	100	0	0	0	0	0	0	0	2196	2350	16.9539
DAD-0001	207	182.3	183.2	100	0	0	0	0	0	0	0	2196	2354	10.88797
DAD-0001	208	183.2	184.1	100	0	0	0	0	0	0	0	2198	2350	19.42168
DAD-0001	209	184.1	185	100	0	0	0	0	0	0	0	2196	2352	9.773103
DAD-0001	210	185	185.9	100	0	0	0	0	0	0	0	2198	2350	5.113198
DAD-0001	211	185.9	186.79	100	0	0	0	0	0	0	0	2196	2350	8.337277
DAD-0001	212	186.79	187.69	84.3992	0	0	15.60076	0	0	0	0	2200	2352	10.3469
DAD-0001	213	187.69	188.59	76.3835	0	0	23.61653	0	0	0	0	2198	2346	7.899736
DAD-0001	214	188.59	189.48	69.3309	0	0	30.66911	0	0	0	0	2200	2350	4.975968
DAD-0001	215	189.48	190.38	100	0	0	0	0	0	0	0	2198	2348	21.57222
DAD-0001	216	190.38	191.28	86.6945	0	0	13.30551	0	0	0	0	2198	0	8.510692
DAD-0001	217	191.28	192.18	100	0	0	0	0	0	0	0	2196	2352	18.38277
DAD-0001	218	192.18	193.09	100	0	0	0	0	0	0	0	2196	2354	19.5084
DAD-0001	219	193.09	193.99	75.1258	25	0	0	0	0	0	0	2200	2346	19.46644
DAD-0001	220	193.99	194.89	100	0	0	0	0	0	0	0	2198	2348	21.40051
DAD-0001	221	194.89	195.79	100	0	0	0	0	0	0	0	2196	2346	31.36728
DAD-0001	222	195.79	196.69	100	0	0	0	0	0	0	0	2196	2346	40.54152
DAD-0001	223	196.69	197.58	100	0	0	0	0	0	0	0	2196	2346	15.71495
DAD-0001	224	197.58	198.48	100	0	0	0	0	0	0	0	2196	2346	15.71495
DAD-0001	225	198.48	199.38	100	0	0	0	0	0	0	0	2194	2346	6.48337
DAD-0001	226	199.38	200.27	100	0	0	0	0	0	0	0	2196	2346	28.54939
DAD-0001	227	200.27	201.17	100	0	0	0	0	0	0	0	2196	2350	24.34633
DAD-0001	228	201.17	202.08	100	0	0	0	0	0	0	0	2202	2350	13.06629
DAD-0001	229	202.08	202.99	100	0	0	0	0	0	0	0	2198	2346	20.42366
DAD-0001	230	202.99	203.9	79.3645	0	21	0	0	0	0	0	2202	2346	19.98295
DAD-0001	231	203.9	204.8	63.8832	1	35	0	0	0	0	0	2202	2354	28.71638
DAD-0001	232	204.8	205.71	100	0	0	0	0	0	0	0	2196	2348	25.68195
DAD-0001	233	205.71	206.62	74.0866	0	26	0	0	0	0	0	2204	2352	7.994781
DAD-0001	234	206.62	207.53	100	0	0	0	0	0	0	0	2196	2346	5.450479
DAD-0001	235	207.53	208.44	100	0	0	0	0	0	0	0	2196	2346	28.88834
DAD-0001	236	208.44	209.35	100	0	0	0	0	0	0	0	2196	2350	27.16714
DAD-0001	237	209.35	210.26	53.8256	4	42	0	0	0	0	0	2204	2350	12.50016
DAD-0001	238	210.26	211.17	61.9123	5	33	0	0	0	0	0	2204	2348	35.62159
DAD-0001	239	211.17	212.08	100	0	0	0	0	0	0	0	2198	2346	9.265068
DAD-0001	240	212.08	212.97											
DAD-0001	241	212.97	213.87	82.859	17	0	0	0	0	0	0	2202	2352	25.08803
DAD-0001	242	213.87	214.76	66.2437	34	0	0	0	0	0	0	2202	2352	12.44158
DAD-0001	243	214.76	215.65	85.8029	14	0	0	0	0	0	0	2200	2350	23.43978
DAD-0001	244	215.65	216.55	91.8249	8	0	0	0	0	0	0	2208	2348	10.12996
DAD-0001	245	216.55	217.44	97.3584	3	0	0	0	0	0	0	2204	2344	18.27076
DAD-0001	246	217.44	218.33	100	0	0	0	0	0	0	0	2202	2354	9.621176

Appendix da98-06 Pima Minspec Drill

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0001	247	218.33	219.23	100	0	0	0	0	0	0	0	2198	2352	17.11269
DAD-0001	248	219.23	220.12	74.0837	1	25	0	0	0	0	0	2204	2354	30.67583
DAD-0001	249	220.12	221.01	51.1035	2	47	0	0	0	0	0	2206	2352	29.41017
DAD-0001	250	221.01	221.91	100	0	0	0	0	0	0	0	2198	2356	10.75852
DAD-0001	251	221.91	222.8	100	0	0	0	0	0	0	0	2200	2350	19.58696
DAD-0001	252	222.8	223.69	69.6313	0	30	0	0	0	0	0	2204	2354	28.29007
DAD-0001	253	223.69	224.57	100	0	0	0	0	0	0	0	2198	2352	22.65001
DAD-0001	254	224.57	225.46	100	0	0	0	0	0	0	0	2202	2350	29.31338
DAD-0001	255	225.46	226.34	100	0	0	0	0	0	0	0	2198	2350	7.362667
DAD-0001	256	226.34	227.23	100	0	0	0	0	0	0	0	2204	2350	19.71392
DAD-0001	257	227.23	228.11	100	0	0	0	0	0	0	0	2198	2348	9.294762
DAD-0001	258	228.11	228.97	79.1489	0	0	20.85112	0	0	0	0	2198	2354	4.803583
DAD-0001	259	228.97	229.84	100	0	0	0	0	0	0	0	2198	2348	7.853862
DAD-0001	260	229.84	230.7	100	0	0	0	0	0	0	0	2198	2350	8.420182
DAD-0001	261	230.7	231.56	84.1445	0	0	15.85546	0	0	0	0	2202	2354	3.3029
DAD-0001	262	231.56	232.43	100	0	0	0	0	0	0	0	2204	2348	10.00374
DAD-0001	263	232.43	233.29	78.1147	22	0	0	0	0	0	0	2202	2348	31.01382
DAD-0001	264	233.29	234.16	65.0325	14	0	21.4368	0	0	0	0	2204	2344	12.58942
DAD-0001	265	234.16	235.03	100	0	0	0	0	0	0	0	2198	2354	4.950588
DAD-0001	266	235.03	235.91	49.1595	51	0	0	0	0	0	0	2202	2344	11.08294
DAD-0001	267	235.91	236.78	59.824	40	0	0	0	0	0	0	2198	2348	9.974675
DAD-0001	268	236.78	237.65	49.423	51	0	0	0	0	0	0	2200	2346	31.96392
DAD-0001	269	237.65	238.52	79.667	0	0	20.333	0	0	0	0	2200	2352	4.360877
DAD-0001	270	238.52	239.42	100	0	0	0	0	0	0	0	2198	2350	11.52351
DAD-0001	271	239.42	240.31	100	0	0	0	0	0	0	0	2204	2350	9.566477
DAD-0001	272	240.31	241.21	100	0	0	0	0	0	0	0	2198	2352	5.322377
DAD-0001	273	241.21	242.1	96.0029	4	0	0	0	0	0	0	2200	2350	28.94939
DAD-0001	274	242.1	243	100	0	0	0	0	0	0	0	2196	2350	8.500113
DAD-0001	275	243	243.89	100	0	0	0	0	0	0	0	2198	2350	21.69186
DAD-0001	276	243.89	244.79	100	0	0	0	0	0	0	0	2198	2350	10.90793
DAD-0001	277	244.79	245.69	100	0	0	0	0	0	0	0	2198	2350	23.30024
DAD-0001	278	245.69	246.6	100	0	0	0	0	0	0	0	2202	2344	8.829075
DAD-0001	279	246.6	247.5	100	0	0	0	0	0	0	0	2196	2350	25.87117
DAD-0001	280	247.5	248.4	99.4274	1	0	0	0	0	0	0	2196	2348	30.3714
DAD-0001	281	248.4	249.3	96.2383	4	0	0	0	0	0	0	2196	2350	27.11404
DAD-0001	282	249.3	250.2	100	0	0	0	0	0	0	0	2196	2354	18.84135
DAD-0001	283	250.2	251.09	0	100	0	0	0	0	9	0	2200	2348	3.922657
DAD-0001	284	251.09	251.99	64.6981	0	0	35.30195	0	0	0	0	2200	2348	6.532765
DAD-0001	285	251.99	252.89	99.4465	0	1	0	0	0	0	0	2200	2350	5.111211
DAD-0001	286	252.89	253.78	59.8315	0	0	40.16846	0	0	0	0	2216	2342	3.476
DAD-0001	287	253.78	254.68	63.8357	0	0	36.16435	0	0	0	0	2202	2344	5.47127
DAD-0001	288	254.68	255.57	49.1497	0	0	50.85028	0	0	0	0	2200	2352	5.105854
DAD-0001	289	255.57	256.45	81.1693	0	19	0	0	0	0	0	2200	2354	3.916227
DAD-0001	290	256.45	257.34	100	0	0	0	0	0	0	0	2200	2350	17.3108
DAD-0001	291	257.34	258.23	0	100	0	0	0	0	11	0	2196	2344	1.785769
DAD-0001	292	258.23	259.11	100	0	0	0	0	0	0	0	2198	2352	13.73773
DAD-0001	293	259.11	260	78.5793	0	0	21.4207	0	0	0	0	2200	2350	5.639891
DAD-0001	294	260	260.91	100	0	0	0	0	0	0	0	2198	2348	15.76142
DAD-0001	295	260.91	261.83	100	0	0	0	0	0	0	0	2198	2344	12.3701

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0001	296	261.83	262.74	100	0	0	0	0	0	0	0	2200	2354	16.40445
DAD-0001	297	262.74	263.65	100	0	0	0	0	0	0	0	2200	2350	14.94943
DAD-0001	298	263.65	264.57	100	0	0	0	0	0	0	0	2200	2352	13.94499
DAD-0001	299	264.57	265.48	100	0	0	0	0	0	0	0	2202	2356	12.39474
DAD-0001	300	265.48	266.37	100	0	0	0	0	0	0	0	2202	2350	20.37478
DAD-0001	301	266.37	267.26	83.4672	0	0	16.53279	0	0	0	0	2198	2356	3.918113
DAD-0001	302	267.26	268.15	100	0	0	0	0	0	0	0	2206	0	15.5817
DAD-0001	303	268.15	269.04	100	0	0	0	0	0	0	0	2200	0	20.92221
DAD-0001	304	269.04	269.93	0	0	0	100	0	0	0	0	2218	2352	0.671748
DAD-0001	305	269.93	270.82	62.4731	0	0	37.52689	0	0	0	0	2220	2348	0.3613534
DAD-0001	306	270.82	271.71	68.5294	0	0	31.47058	0	0	0	0	2220	2356	1.371308
DAD-0001	307	271.71	272.6	62.3518	0	0	37.64816	0	0	0	0	2218	2350	0.6138092
DAD-0001	308	272.6	273.49	62.3518	0	0	37.64816	0	0	0	0	2218	2350	0.6138092
DAD-0001	309	273.49	274.37	100	0	0	0	0	0	0	0	2220	2348	1.727819
DAD-0001	310	274.37	275.26	55.1604	0	0	44.83958	0	0	0	0	2224	2344	0.8346779
DAD-0001	311	275.26	276.15											
DAD-0001	312	276.15	277.03	100	0	0	0	0	0	0	0	2220	2340	1.323638
DAD-0001	313	277.03	277.9	98.9298	0	1	0	0	0	0	0	2218	2348	0.5724578
DAD-0001	314	277.9	278.78	36.3518	0	0	63.64821	0	0	0	0	2216	2352	0.7483428
DAD-0001	315	278.78	279.66	44.8076	2	0	52.81104	0	0	0	0	2216	2346	0.1738202
DAD-0001	316	279.66	280.53	100	0	0	0	0	0	0	0	2218	2348	0.08267977
DAD-0001	317	280.53	281.41	0	100	0	0	0	0	8	0	0	2340	7.529941
DAD-0001	318	281.41	282.27	0	100	0	0	0	0	8	0	0	2336	1.237854
DAD-0001	319	282.27	283.13	0	100	0	0	0	0	15	0	0	2328	3.627599
DAD-0001	320	283.13	283.99	0	100	0	0	0	0	8	0	0	2336	4.582527
DAD-0001	321	283.99	284.84	0	1	0	99.2138	0	0	0	0	0	2346	0.5866109
DAD-0001	322	284.84	285.7	29.7063	25	0	45.72375	0	0	0	0	2214	2342	0.6417915
DAD-0001	323	285.7	286.56	0	100	0	0	0	0	12	0	0	2336	1.119346
DAD-0001	324	286.56	287.4	0	100	0	0	0	0	17	0	0	2322	1.004415
DAD-0001	325	287.4	288.25	0	100	0	0	0	0	13	0	0	2344	1.363122
DAD-0001	326	288.25	289.09	0	100	0	0	0	0	17	0	0	2340	0.7516703
DAD-0001	327	289.09	289.93	0	100	0	0	0	0	13	0	0	2348	1.513383
DAD-0001	328	289.93	290.78	0	100	0	0	0	0	8	0	0	2336	2.990713
DAD-0001	329	290.78	291.62	0	92	0	0	8	0	10	0	0	2344	3.804835
DAD-0001	330	291.62	292.48	0	0	0	0	0	0	0	0	0	2336	2.706975
DAD-0001	331	292.48	293.33	0	100	0	0	0	0	10	0	0	2342	3.151588
DAD-0001	332	293.33	294.19	0	100	0	0	0	0	12	0	0	2350	1.600898
DAD-0001	333	294.19	295.04	0	100	0	0	0	0	14	0	0	2346	1.114077
DAD-0001	334	295.04	295.9	0	100	0	0	0	0	18	0	0	2334	0.6962639
DAD-0001	335	295.9	296.75	0	100	0	0	0	0	14	0	0	2348	0.8290923
DAD-0001	336	296.75	297.63	0	100	0	0	0	0	11	0	2216	2346	0.7510084
DAD-0001	337	297.63	298.5	0	0	0	0	0	0	0	0	2214	2352	0.3102241
DAD-0001	338	298.5	299.38	0	100	0	0	0	0	0	0	2208	2334	0.4462389
DAD-0001	339	299.38	300.25	0	100	0	0	0	0	15	0	2218	2348	0.2719832
DAD-0001	340	300.25	301.13	0	100	0	0	0	0	13	0	2216	2326	0.5819741
DAD-0001	341	301.13	302	0	12	0	88.43845	0	0	0	0	2224	2342	0.9554085
DAD-0001	342	302	302.86	26.0096	0	0	73.99036	0	0	0	0	2212	2340	0.7571183
DAD-0001	343	302.86	303.73	0	12	0	88.23016	0	0	0	0	2212	2326	0.8663852
DAD-0001	344	303.73	304.59	0	36	0	64.09917	0	0	0	0	0	2336	0.9073563

Appendix da98-06 Pima Minspec Drill

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0001	345	304.59	305.45	34.7081	11	0	53.82597	0	0	0	0	2214	2356	0.9624718
DAD-0001	346	305.45	306.32	0	100	0	0	0	0	9	0	2214	2350	0.9078181
DAD-0001	347	306.32	307.18	34.3749	66	0	0	0	0	0	0	2214	2352	0.6920439
DAD-0001	348	307.18	308.06	34.7288	4	0	61.40149	0	0	0	0	2218	2354	0.9983819
DAD-0001	349	308.06	308.93	0	10	0	89.86994	0	0	0	0	2218	2342	0.929109
DAD-0001	350	308.93	309.81	0	50	50	0	0	0	0	0	2218	2344	1.420544
DAD-0001	351	309.81	310.69	81.9775	0	18	0	0	0	0	0	2200	2346	1.01001
DAD-0001	352	310.69	311.56	70.9854	5	24	0	0	0	0	0	2210	2342	1.153899
DAD-0001	353	311.56	312.44	0	0	0	0	100	0	0	0	2206	2326	1.128875
DAD-0001	354	312.44	313.31	40.8792	9	50	0	0	0	0	0	2196	2342	1.833304
DAD-0001	355	313.31	314.19	51.031	22	27	0	0	0	0	0	2198	2336	0.9505793
DAD-0001	356	314.19	315.06	41.133	4	0	54.53858	0	0	0	0	2206	2326	1.149498
DAD-0001	357	315.06	315.93	31.874	68	0	0	0	0	0	0	2196	2336	0.9618002
DAD-0001	358	315.93	316.81	36.2503	11	53	0	0	0	0	0	2178	2328	0.8874092
DAD-0001	359	316.81	317.68	81.495	19	0	0	0	0	0	0	2198	2320	1.264386
DAD-0001	360	317.68	318.56	27.0703	1	72	0	0	0	0	0	2206	2338	0.8471146
DAD-0001	361	318.56	319.43	65.2369	0	35	0	0	0	0	0	2206	2336	1.907612
DAD-0001	362	319.43	320.31	87.3886	0	13	0	0	0	0	1	2216	2324	2.077163
DAD-0001	363	320.31	321.19	100	0	0	0	0	0	0	0	2198	2340	1.174526
DAD-0001	364	321.19	322.06	23.2932	77	0	0	0	0	4	0	2194	2348	1.440251
DAD-0001	365	322.06	322.94	83.9735	0	16	0	0	0	0	0	2198	2324	0.9809979
DAD-0001	366	322.94	323.86	82.7383	17	0	0	0	0	0	0	2206	2318	1.501333
DAD-0001	367	323.86	324.78	100	0	0	0	0	0	0	0	2198	2328	0.9964773
DAD-0001	368	324.78	325.7	0	0	0	0	0	0	0	0	2200	2352	1.043038
DAD-0001	369	325.7	326.62	100	0	0	0	0	0	0	0	2206	2336	0.9977731
DAD-0001	370	326.62	327.54	100	0	0	0	0	0	0	0	2204	2338	0.9407309
DAD-0001	371	327.54	328.46	100	0	0	0	0	0	0	0	2204	2338	0.9407309
DAD-0001	372	328.46	329.32	100	0	0	0	0	0	0	0	2196	2350	1.203147
DAD-0001	373	329.32	330.18	100	0	0	0	0	0	0	0	2196	2334	0.8788548
DAD-0001	374	330.18	331.04	0	100	0	0	0	0	12	0	2198	2334	1.992712
DAD-0001	375	331.04	331.89	100	0	0	0	0	0	0	0	2194	2338	1.102057
DAD-0001	376	331.89	332.75	100	0	0	0	0	0	0	0	2196	2342	1.002199
DAD-0001	377	332.75	333.61	30.4253	3	0	66.23501	0	0	0	0	2196	2338	1.537968
DAD-0001	378	333.61	334.49	100	0	0	0	0	0	0	0	2196	2346	1.156769
DAD-0001	379	334.49	335.38	94.3269	6	0	0	0	0	0	0	2200	2326	1.264755
DAD-0001	380	335.38	336.26	53.2291	47	0	0	0	0	0	0	2206	2344	0.9886017
DAD-0001	381	336.26	337.14	100	0	0	0	0	0	0	0	2196	2336	1.024507
DAD-0001	382	337.14	338.03	93.2974	7	0	0	0	0	0	0	2200	2338	1.048278
DAD-0001	383	338.03	338.91	100	0	0	0	0	0	0	0	2208	2336	1.056297
DAD-0001	384	338.91	339.76	100	0	0	0	0	0	0	0	2196	2338	1.441561
DAD-0001	385	339.76	340.61	0.00151	100	0	0	0	0	9	0	2224	2338	1.325227
DAD-0001	386	340.61	341.46	20.4346	1	0	0	78	0	0	0	2206	2338	1.040949
DAD-0001	387	341.46	342.3	64.6693	35	0	0	0	0	0	0	2198	2324	0.8959454
DAD-0001	388	342.3	343.15	0	100	0	0	0	0	6	0	2198	2334	1.441761
DAD-0001	389	343.15	344	100	0	0	0	0	0	0	0	2198	2326	1.581123
DAD-0001	390	344	344.8	27.7146	72	0	0	0	0	7	0	2198	2326	1.059035
DAD-0001	391	344.8	345.6	0	100	0	0	0	0	12	0	2212	2328	1.620664
DAD-0001	392	345.6	346.4	53.4023	47	0	0	0	0	0	0	2200	2330	2.926832
DAD-0001	393	346.4	347.2	58.5469	41	0	0	0	0	0	0	2204	2336	1.914922

Appendix da98-06 Pima Minspec Drill

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0001	394	347.2	348	68.4469	32	0	0	0	0	0	0	2198	2336	0.8885617
DAD-0001	395	348	348.8	70.8468	29	0	0	0	0	0	0	2190	2322	1.594738
DAD-0001	396	348.8	349.58											
DAD-0001	397	349.58	350.35	0	100	0	0	0	0	16	0	0	2322	15.34892
DAD-0001	398	350.35	351.13	0	100	0	0	0	0	15	0	0	2326	3.670288
DAD-0001	399	351.13	351.9	0	100	0	0	0	0	16	0	0	2324	3.367303
DAD-0001	400	351.9	352.82	46.5346	11	0	42.431	0	0	0	1	2204	2334	1.432301
DAD-0001	401	352.82	353.65	0	100	0	0	0	0	10	0	2192	2324	1.37867
DAD-0001	402	353.65	354.48	100	0	0	0	0	0	0	0	2202	2318	0.690163
DAD-0001	403	354.48	355.3	74.6294	6	20	0	0	0	0	0	2206	2342	1.155099
DAD-0001	404	355.3	356.22	0	0	0	0	0	0	0	1	2208	2344	1.670609
DAD-0001	405	356.22	357.14	0	56	44	0	0	0	0	0	2210	2332	1.016062
DAD-0001	406	357.14	358.05	48.1605	13	0	39.2641	0	0	0	1	2206	2334	1.160218
DAD-0001	407	358.05	358.97	49.1308	51	0	0	0	0	0	0	2206	2326	0.8478347
DAD-0001	408	358.97	359.89	90.9057	9	0	0	0	0	0	0	2212	2332	0.868717
DAD-0001	409	359.89	360.76	0	0	0	0	100	0	0	0	2198	2326	1.290262
DAD-0001	410	360.76	361.63	100	0	0	0	0	0	0	0	2208	2336	0.8557795
DAD-0001	411	361.63	362.51	0	100	0	0	0	0	0	1	2196	2336	1.086855
DAD-0001	412	362.51	363.38	0	100	0	0	0	0	0	0	2212	2352	1.557543
DAD-0001	413	363.38	364.25	33.3778	67	0	0	0	0	0	1	2184	2326	1.484373
DAD-0001	414	364.25	365.12	65.6282	34	0	0	0	0	0	0	2198	2332	1.20227
DAD-0001	415	365.12	365.98	0	100	0	0	0	0	8	0	2202	2346	1.012078
DAD-0001	416	365.98	366.85	84.7619	15	0	0	0	0	0	0	2200	2356	1.771003
DAD-0001	417	366.85	367.71	100	0	0	0	0	0	0	0	2200	2332	1.17969
DAD-0001	418	367.71	368.57	85.2968	0	0	14.70326	0	0	0	0	2206	2328	1.442435
DAD-0001	419	368.57	369.44	15.7951	0	84	0	0	0	0	0	2178	2342	0.9536563
DAD-0001	420	369.44	370.3	0	100	0	0	0	0	16	0	0	2324	12.42529
DAD-0001	421	370.3	371.2	0	100	0	0	0	0	18	0	0	2324	8.568025
DAD-0001	422	371.2	372.1	0	100	0	0	0	0	18	0	0	2326	7.032233
DAD-0001	423	372.1	373	0	100	0	0	0	0	16	0	0	2338	7.841648
DAD-0001	424	373	373.9	0	0	0	0	0	0	0	0	0	2336	1.825577
DAD-0001	425	373.9	374.8	0	100	0	0	0	0	10	1	2212	2326	1.402642
DAD-0001	426	374.8	375.7	0	100	0	0	0	0	18	0	0	2326	1.78502
DAD-0001	427	375.7	376.58	0	91	9	0	0	0	0	0	2178	2328	1.60526
DAD-0001	428	376.58	377.47	0	0	0	100	0	0	0	0	2190	2344	1.297495
DAD-0001	429	377.47	378.35	0	100	0	0	0	0	17	0	2204	2324	2.594384
DAD-0001	430	378.35	379.23	0	100	0	0	0	0	15	0	0	2326	9.290197
DAD-0001	431	379.23	380.12	0	68	0	32.02066	0	0	0	0	2178	2338	2.358827
DAD-0001	432	380.12	381	0	100	0	0	0	0	16	1	0	2328	8.965161
DAD-0001	433	381	381.89	0	100	0	0	0	0	16	0	0	2330	5.440191
DAD-0001	434	381.89	382.78	100	0	0	0	0	0	0	0	2198	2332	1.835753
DAD-0001	435	382.78	383.68	0	100	0	0	0	0	16	0	0	2326	7.244341
DAD-0001	436	383.68	384.57	0	100	0	0	0	0	16	0	0	2330	4.955309
DAD-0001	437	384.57	385.46	0	100	0	0	0	0	14	0	0	2334	6.345045
DAD-0001	438	385.46	386.35	0	0	0	0	0	0	0	1	2196	2324	1.58076
DAD-0001	439	386.35	387.21	0	100	0	0	0	0	16	0	0	2326	4.27774
DAD-0001	440	387.21	388.07	0	100	0	0	0	0	16	0	0	2322	6.045543
DAD-0001	441	388.07	388.93	0	100	0	0	0	0	15	0	0	2322	5.791168
DAD-0001	442	388.93	389.78	0	100	0	0	0	0	15	1	0	2328	7.193078

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0001	443	389.78	390.64	0	100	0	0	0	0	16	0	0	2326	9.205541
DAD-0001	444	390.64	391.5	0	100	0	0	0	0	8	0	0	2338	3.459318
DAD-0001	445	391.5	392.37	0	100	0	0	0	0	8	0	0	2334	4.568536
DAD-0001	446	392.37	393.23	0	100	0	0	0	0	8	0	0	2336	1.948095
DAD-0001	447	393.23	394.1	0	100	0	0	0	0	8	0	0	2346	5.172661
DAD-0001	448	394.1	394.97	0	100	0	0	0	0	8	0	0	2348	5.735358
DAD-0001	449	394.97	395.83	0	100	0	0	0	0	8	0	0	2352	3.608023
DAD-0001	450	395.83	396.7	0	100	0	0	0	0	8	0	0	2344	3.907064
DAD-0001	451	396.7	397.63	0	100	0	0	0	0	8	0	0	2338	2.975244
DAD-0001	452	397.63	398.55	0	100	0	0	0	0	8	0	0	2346	3.770682
DAD-0001	453	398.55	399.48	0	100	0	0	0	0	16	0	0	2342	4.389857
DAD-0001	454	399.48	400.4	0	100	0	0	0	0	8	0	0	2348	1.394488
DAD-0001	455	400.4	401.33	0	100	0	0	0	0	8	0	0	2344	5.621986
DAD-0001	456	401.33	402.25	0	100	0	0	0	0	8	0	0	2342	7.187565
DAD-0001	457	402.25	403.16	0	100	0	0	0	0	8	0	0	2350	6.093997
DAD-0001	458	403.16	404.06	0	100	0	0	0	0	8	0	0	2350	6.01122
DAD-0001	459	404.06	404.97	100	0	0	0	0	0	0	0	2220	2348	14.01352
DAD-0001	460	404.97	405.87	82.626	0	0	17.37403	0	0	0	0	2208	2346	5.862561
DAD-0001	461	405.87	406.77	100	0	0	0	0	0	0	0	2208	2350	16.97127
DAD-0001	462	406.77	407.66	100	0	0	0	0	0	0	0	2202	2342	18.49862
DAD-0001	463	407.66	408.56	100	0	0	0	0	0	0	0	2200	0	10.10883
DAD-0001	464	408.56	409.46	87.0916	0	0	12.9084	0	0	0	0	2206	2356	7.813753
DAD-0001	465	409.46	410.31	100	0	0	0	0	0	0	0	2200	2350	15.46654
DAD-0001	466	410.31	411.16	100	0	0	0	0	0	0	0	2200	2356	6.273879
DAD-0001	467	411.16	412	100	0	0	0	0	0	0	0	2198	2342	3.298412
DAD-0001	468	412	412.85	0	100	0	0	0	0	4	0	2200	2352	7.038306
DAD-0001	469	412.85	413.72	0	100	0	0	0	0	3	0	2202	2342	6.25281
DAD-0001	470	413.72	414.58	100	0	0	0	0	0	0	0	2200	2356	24.06476
DAD-0001	471	414.58	415.45	100	0	0	0	0	0	0	0	2200	0	9.09383
DAD-0001	472	415.45	416.32	100	0	0	0	0	0	0	0	2200	2348	14.53637
DAD-0001	473	416.32	417.19	100	0	0	0	0	0	0	0	2198	2356	14.76207
DAD-0001	474	417.19	418.05	100	0	0	0	0	0	0	0	2202	2350	9.554338
DAD-0001	475	418.05	418.92	0	100	0	0	0	0	2	0	2198	2356	9.50237
DAD-0002	000	0	0.01											
DAD-0002	001	0.01	0.92	100	0	0	0	0	0	0	0	2202	2348	4.351728
DAD-0002	002	0.92	1.84	100	0	0	0	0	0	0	0	2198	2342	31.87162
DAD-0002	003	1.84	2.75	100	0	0	0	0	0	0	0	2198	2344	36.84963
DAD-0002	004	2.75	3.66	100	0	0	0	0	0	0	0	2198	2342	31.33771
DAD-0002	005	3.66	4.57	100	0	0	0	0	0	0	0	2198	2342	31.53107
DAD-0002	006	4.57	5.49	100	0	0	0	0	0	0	0	2196	2342	32.80931
DAD-0002	007	5.49	6.4											
DAD-0002	008	6.4	7.29	100	0	0	0	0	0	0	0	2196	2342	24.48363
DAD-0002	009	7.29	8.17	100	0	0	0	0	0	0	0	2198	2344	15.57267
DAD-0002	010	8.17	9.06	100	0	0	0	0	0	0	0	2196	2340	19.68045
DAD-0002	011	9.06	9.94	100	0	0	0	0	0	0	0	2196	2342	15.16011
DAD-0002	012	9.94	10.83	100	0	0	0	0	0	0	0	2196	2344	16.89985
DAD-0002	013	10.83	11.71	100	0	0	0	0	0	0	0	2196	2342	25.79759
DAD-0002	014	11.71	12.6	100	0	0	0	0	0	0	0	2196	2342	17.89823
DAD-0002	015	12.6	13.51	97.0852	3	0	0	0	0	0	0	2196	2344	13.77258

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	016	13.51	14.43	92.4642	8	0	0	0	0	0	0	2198	2342	21.68043
DAD-0002	017	14.43	15.34	100	0	0	0	0	0	0	0	2198	2346	16.19291
DAD-0002	018	15.34	16.26	100	0	0	0	0	0	0	0	2196	2338	18.28037
DAD-0002	019	16.26	17.17	100	0	0	0	0	0	0	0	2198	2346	8.96185
DAD-0002	020	17.17	18.09	96.6182	3	0	0	0	0	0	0	2200	2346	14.94989
DAD-0002	021	18.09	19	82.9206	17	0	0	0	0	0	0	2198	2346	14.44149
DAD-0002	022	19	19.87	100	0	0	0	0	0	0	0	2196	2346	12.27429
DAD-0002	023	19.87	20.74	100	0	0	0	0	0	0	0	2204	2340	11.24742
DAD-0002	024	20.74	21.61	76.2955	24	0	0	0	0	0	0	2208	2342	15.7916
DAD-0002	025	21.61	22.49	74.8432	25	0	0	0	0	0	0	2206	2340	17.62359
DAD-0002	026	22.49	23.36	84.0354	16	0	0	0	0	0	0	2196	2342	22.92297
DAD-0002	027	23.36	24.23	73.2919	27	0	0	0	0	0	0	2206	2336	10.95949
DAD-0002	028	24.23	25.1	72.2525	28	0	0	0	0	0	0	2202	2342	19.44178
DAD-0002	029	25.1	26.03	72.0111	28	0	0	0	0	0	0	2206	2338	18.5055
DAD-0002	030	26.03	26.96	83.0501	17	0	0	0	0	0	0	2212	2344	21.99227
DAD-0002	031	26.96	27.89	24.1528	1	75	0	0	0	0	0	2204	2348	11.08458
DAD-0002	032	27.89	28.81	29.3903	1	69	0	0	0	0	0	2204	2346	22.70085
DAD-0002	033	28.81	29.74	82.0195	18	0	0	0	0	0	0	2198	2342	21.16575
DAD-0002	034	29.74	30.67	0	0	100	0	0	0	0	0	2204	2352	22.99981
DAD-0002	035	30.67	31.6	98.785	1	0	0	0	0	0	0	2196	2338	19.84706
DAD-0002	036	31.6	32.5	79.3498	21	0	0	0	0	0	0	2198	2344	18.41538
DAD-0002	037	32.5	33.4	69.3721	31	0	0	0	0	0	0	2204	2342	17.52984
DAD-0002	038	33.4	34.3	100	0	0	0	0	0	0	0	2196	2344	26.62795
DAD-0002	039	34.3	35.2	100	0	0	0	0	0	0	0	2196	2340	25.09975
DAD-0002	040	35.2	36.1	100	0	0	0	0	0	0	0	2196	2346	14.62712
DAD-0002	041	36.1	37	100	0	0	0	0	0	0	0	2198	2346	5.338468
DAD-0002	042	37	37.9	100	0	0	0	0	0	0	0	2200	2346	8.128063
DAD-0002	043	37.9	38.79	100	0	0	0	0	0	0	0	2194	2342	9.724045
DAD-0002	044	38.79	39.67	100	0	0	0	0	0	0	0	2196	2346	19.6032
DAD-0002	045	39.67	40.56	100	0	0	0	0	0	0	0	2194	2344	21.14318
DAD-0002	046	40.56	41.44	100	0	0	0	0	0	0	0	2194	2342	21.96646
DAD-0002	047	41.44	42.33	100	0	0	0	0	0	0	0	2198	2336	3.494478
DAD-0002	048	42.33	43.21	100	0	0	0	0	0	0	0	2196	2348	13.5648
DAD-0002	049	43.21	44.1	100	0	0	0	0	0	0	0	2198	2350	15.88998
DAD-0002	050	44.1	44.94	100	0	0	0	0	0	0	0	2198	2344	14.34407
DAD-0002	051	44.94	45.79	100	0	0	0	0	0	0	0	2198	2344	14.34407
DAD-0002	052	45.79	46.63	100	0	0	0	0	0	0	0	2200	2350	4.312291
DAD-0002	053	46.63	47.47	100	0	0	0	0	0	0	0	2200	2338	5.330434
DAD-0002	054	47.47	48.31	100	0	0	0	0	0	0	0	2198	2346	6.582934
DAD-0002	055	48.31	49.16	100	0	0	0	0	0	0	0	2198	2348	7.361924
DAD-0002	056	49.16	50	100	0	0	0	0	0	0	0	2196	2346	8.845525
DAD-0002	057	50	50.89	100	0	0	0	0	0	0	0	2196	2336	5.114054
DAD-0002	058	50.89	51.77	100	0	0	0	0	0	0	0	2194	2342	5.443363
DAD-0002	059	51.77	52.66	100	0	0	0	0	0	0	0	2198	2344	13.72797
DAD-0002	060	52.66	53.54	100	0	0	0	0	0	0	0	2196	2346	16.84524
DAD-0002	061	53.54	54.43	100	0	0	0	0	0	0	0	2198	2342	10.48383
DAD-0002	062	54.43	55.31	100	0	0	0	0	0	0	0	2198	2342	9.54204
DAD-0002	063	55.31	56.2	100	0	0	0	0	0	0	0	2192	2340	5.905587
DAD-0002	064	56.2	57.11	100	0	0	0	0	0	0	0	2198	2348	10.36104

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	065	57.11	58.03	100	0	0	0	0	0	0	0	2200	2344	7.96831
DAD-0002	066	58.03	58.94	100	0	0	0	0	0	0	0	2196	2348	13.62686
DAD-0002	067	58.94	59.86	100	0	0	0	0	0	0	0	2196	2346	15.28703
DAD-0002	068	59.86	60.77	100	0	0	0	0	0	0	0	2198	2344	20.37833
DAD-0002	069	60.77	61.69	100	0	0	0	0	0	0	0	2198	2346	8.849337
DAD-0002	070	61.69	62.6	100	0	0	0	0	0	0	0	2194	2346	5.203222
DAD-0002	071	62.6	63.5	100	0	0	0	0	0	0	0	2198	2346	18.49147
DAD-0002	072	63.5	64.4	20.6386	0	0	79.36137	0	0	0	0	2196	2350	6.958859
DAD-0002	073	64.4	65.3	100	0	0	0	0	0	0	0	2194	2348	10.18893
DAD-0002	074	65.3	66.2	100	0	0	0	0	0	0	0	2198	2348	10.99253
DAD-0002	075	66.2	67.1	100	0	0	0	0	0	0	0	2198	2346	14.53718
DAD-0002	076	67.1	68	100	0	0	0	0	0	0	0	2198	2350	6.1307
DAD-0002	077	68	68.9	100	0	0	0	0	0	0	0	2196	2348	6.557788
DAD-0002	078	68.9	69.8	100	0	0	0	0	0	0	0	2198	2342	11.45581
DAD-0002	079	69.8	70.7	100	0	0	0	0	0	0	0	2196	2350	5.097111
DAD-0002	080	70.7	71.6	100	0	0	0	0	0	0	0	2196	2344	18.96471
DAD-0002	081	71.6	72.5	100	0	0	0	0	0	0	0	2196	2342	8.680348
DAD-0002	082	72.5	73.4	100	0	0	0	0	0	0	0	2198	2346	12.02714
DAD-0002	083	73.4	74.3	100	0	0	0	0	0	0	0	2196	2344	8.359305
DAD-0002	084	74.3	75.2	100	0	0	0	0	0	0	0	2198	2342	6.525102
DAD-0002	085	75.2	76.1	100	0	0	0	0	0	0	0	2196	2342	16.3065
DAD-0002	086	76.1	77	100	0	0	0	0	0	0	0	2196	2342	7.951859
DAD-0002	087	77	77.9	100	0	0	0	0	0	0	0	2198	2344	13.04547
DAD-0002	088	77.9	78.8	100	0	0	0	0	0	0	0	2194	2346	7.076374
DAD-0002	089	78.8	79.7	100	0	0	0	0	0	0	0	2198	2346	18.82668
DAD-0002	090	79.7	80.6	100	0	0	0	0	0	0	0	2196	2346	15.76125
DAD-0002	091	80.6	81.5	100	0	0	0	0	0	0	0	2198	2338	6.005289
DAD-0002	092	81.5	82.41	100	0	0	0	0	0	0	0	2198	2348	12.30063
DAD-0002	093	82.41	83.33	100	0	0	0	0	0	0	0	2200	2334	3.201641
DAD-0002	094	83.33	84.24	100	0	0	0	0	0	0	0	2196	2352	13.11307
DAD-0002	095	84.24	85.16											
DAD-0002	096	85.16	86.07	100	0	0	0	0	0	0	0	2194	2350	5.435069
DAD-0002	097	86.07	86.99	100	0	0	0	0	0	0	0	2198	2350	5.500425
DAD-0002	098	86.99	87.9	100	0	0	0	0	0	0	0	2196	2342	4.860584
DAD-0002	099	87.9	88.8	100	0	0	0	0	0	0	0	2198	2350	4.697647
DAD-0002	100	88.8	89.7	100	0	0	0	0	0	0	0	2196	2346	14.60123
DAD-0002	101	89.7	90.6	100	0	0	0	0	0	0	0	2198	2342	4.949707
DAD-0002	102	90.6	91.5	100	0	0	0	0	0	0	0	2198	2346	13.88975
DAD-0002	103	91.5	92.4	100	0	0	0	0	0	0	0	2196	2350	12.71095
DAD-0002	104	92.4	93.3	100	0	0	0	0	0	0	0	2196	2348	17.53136
DAD-0002	105	93.3	94.2	100	0	0	0	0	0	0	0	2196	2346	13.00995
DAD-0002	106	94.2	95.1	100	0	0	0	0	0	0	0	2196	2342	13.70418
DAD-0002	107	95.1	96	100	0	0	0	0	0	0	0	2198	2342	12.21811
DAD-0002	108	96	96.9	100	0	0	0	0	0	0	0	2196	2346	19.82285
DAD-0002	109	96.9	97.8	100	0	0	0	0	0	0	0	2198	2350	4.823596
DAD-0002	110	97.8	98.7	100	0	0	0	0	0	0	0	2196	2346	18.02844
DAD-0002	111	98.7	99.6	100	0	0	0	0	0	0	0	2200	2344	5.817725
DAD-0002	112	99.6	100.5	100	0	0	0	0	0	0	0	2198	2348	5.247447
DAD-0002	113	100.5	101.43	100	0	0	0	0	0	0	0	2196	2346	20.68934

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	114	101.43	102.36	100	0	0	0	0	0	0	0	2196	2344	24.4422
DAD-0002	115	102.36	103.29	100	0	0	0	0	0	0	0	2198	2350	11.4122
DAD-0002	116	103.29	104.21	100	0	0	0	0	0	0	0	2200	2344	15.73962
DAD-0002	117	104.21	105.14	100	0	0	0	0	0	0	0	2196	2346	25.88824
DAD-0002	118	105.14	106.07	100	0	0	0	0	0	0	0	2196	2346	23.31041
DAD-0002	119	106.07	107	100	0	0	0	0	0	0	0	2196	2350	6.063621
DAD-0002	120	107	107.87	100	0	0	0	0	0	0	0	2196	2350	4.567216
DAD-0002	121	107.87	108.74	100	0	0	0	0	0	0	0	2200	2342	15.37034
DAD-0002	122	108.74	109.61	100	0	0	0	0	0	0	0	2200	2344	16.84805
DAD-0002	123	109.61	110.49	100	0	0	0	0	0	0	0	2198	2346	18.29571
DAD-0002	124	110.49	111.36	100	0	0	0	0	0	0	0	2196	2340	5.519838
DAD-0002	125	111.36	112.23	100	0	0	0	0	0	0	0	2198	2346	13.50266
DAD-0002	126	112.23	113.1	100	0	0	0	0	0	0	0	2198	2342	20.52293
DAD-0002	127	113.1	114.01	100	0	0	0	0	0	0	0	2198	2346	9.158789
DAD-0002	128	114.01	114.93	100	0	0	0	0	0	0	0	2198	2344	6.214445
DAD-0002	129	114.93	115.84	100	0	0	0	0	0	0	0	2194	2340	4.958237
DAD-0002	130	115.84	116.76	100	0	0	0	0	0	0	0	2198	2346	9.761066
DAD-0002	131	116.76	117.67	100	0	0	0	0	0	0	0	2196	2346	9.546909
DAD-0002	132	117.67	118.59	100	0	0	0	0	0	0	0	2198	2348	10.26442
DAD-0002	133	118.59	119.5	100	0	0	0	0	0	0	0	2198	2352	12.91906
DAD-0002	134	119.5	120.34	100	0	0	0	0	0	0	0	2200	2350	7.474898
DAD-0002	135	120.34	121.19	100	0	0	0	0	0	0	0	2198	2354	24.19856
DAD-0002	136	121.19	122.03	100	0	0	0	0	0	0	0	2198	2350	10.11687
DAD-0002	137	122.03	122.87	100	0	0	0	0	0	0	0	2198	2346	17.59305
DAD-0002	138	122.87	123.71	100	0	0	0	0	0	0	0	2196	2352	26.45036
DAD-0002	139	123.71	124.56	100	0	0	0	0	0	0	0	2196	2352	13.26385
DAD-0002	140	124.56	125.4	100	0	0	0	0	0	0	0	2198	2352	15.04933
DAD-0002	141	125.4	126.31	100	0	0	0	0	0	0	0	2198	2350	17.50741
DAD-0002	142	126.31	127.23	100	0	0	0	0	0	0	0	2198	2350	24.68482
DAD-0002	143	127.23	128.14	100	0	0	0	0	0	0	0	2196	2350	22.63496
DAD-0002	144	128.14	129.06	100	0	0	0	0	0	0	0	2198	2354	21.38246
DAD-0002	145	129.06	129.97	100	0	0	0	0	0	0	0	2198	2350	14.08967
DAD-0002	146	129.97	130.89	100	0	0	0	0	0	0	0	2198	2350	20.35923
DAD-0002	147	130.89	131.8	100	0	0	0	0	0	0	0	2198	2354	24.19767
DAD-0002	148	131.8	132.69	100	0	0	0	0	0	0	0	2198	2354	24.19767
DAD-0002	149	132.69	133.57	100	0	0	0	0	0	0	0	2200	2354	12.28461
DAD-0002	150	133.57	134.46	100	0	0	0	0	0	0	0	2198	2348	20.84078
DAD-0002	151	134.46	135.34	100	0	0	0	0	0	0	0	2198	2354	13.30421
DAD-0002	152	135.34	136.23	100	0	0	0	0	0	0	0	2200	2354	24.4993
DAD-0002	153	136.23	137.11	94.5498	0	0	5.450225	0	0	0	0	2198	2352	8.314824
DAD-0002	154	137.11	138	100	0	0	0	0	0	0	0	2200	2350	28.28331
DAD-0002	155	138	138.93	97.0813	0	0	2.918714	0	0	0	0	2198	2350	7.703293
DAD-0002	156	138.93	139.86	97.0813	0	0	2.918714	0	0	0	0	2198	2350	7.703293
DAD-0002	157	139.86	140.79	100	0	0	0	0	0	0	0	2200	2350	20.30023
DAD-0002	158	140.79	141.71	100	0	0	0	0	0	0	0	2200	2350	29.65118
DAD-0002	159	141.71	142.64	100	0	0	0	0	0	0	0	2200	2350	27.01322
DAD-0002	160	142.64	143.57	89.856	0	0	10.14398	0	0	0	0	2202	2352	8.253894
DAD-0002	161	143.57	144.5	93.6275	6	0	0	0	0	0	0	2200	2352	21.19993
DAD-0002	162	144.5	145.43	100	0	0	0	0	0	0	0	2198	2352	9.098535

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	163	145.43	146.36	100	0	0	0	0	0	0	0	2198	2350	9.65921
DAD-0002	164	146.36	147.29	100	0	0	0	0	0	0	0	2204	2342	7.815415
DAD-0002	165	147.29	148.21	97.4548	0	0	2.545211	0	0	0	0	2200	2352	10.59982
DAD-0002	166	148.21	149.14	100	0	0	0	0	0	0	0	2202	2350	12.37249
DAD-0002	167	149.14	150.07	100	0	0	0	0	0	0	0	2202	2350	12.37249
DAD-0002	168	150.07	151	100	0	0	0	0	0	0	0	2200	2354	16.07057
DAD-0002	169	151	151.9	100	0	0	0	0	0	0	0	2200	2354	16.07057
DAD-0002	170	151.9	152.81	100	0	0	0	0	0	0	0	2200	2354	16.07057
DAD-0002	171	152.81	153.71	100	0	0	0	0	0	0	0	2200	2356	11.15814
DAD-0002	172	153.71	154.61	100	0	0	0	0	0	0	0	2198	2346	10.39433
DAD-0002	173	154.61	155.51	100	0	0	0	0	0	0	0	2198	2346	10.39433
DAD-0002	174	155.51	156.42											
DAD-0002	175	156.42	157.32	100	0	0	0	0	0	0	0	2198	2352	23.77934
DAD-0002	176	157.32	158.22	56.1252	0	0	43.87484	0	0	0	0	2200	2352	4.763789
DAD-0002	177	158.22	159	100	0	0	0	0	0	0	0	2200	2352	15.23643
DAD-0002	178	159	159.9	100	0	0	0	0	0	0	0	2196	2346	19.62271
DAD-0002	179	159.9	160.8	85.6508	0	0	14.34921	0	0	0	0	2202	2356	9.467973
DAD-0002	180	160.8	161.7	100	0	0	0	0	0	0	0	2198	2356	16.44264
DAD-0002	181	161.7	162.61	100	0	0	0	0	0	0	0	2202	2354	15.1123
DAD-0002	182	162.61	163.51	100	0	0	0	0	0	0	0	2200	0	7.310784
DAD-0002	183	163.51	164.41	100	0	0	0	0	0	0	0	2200	2352	14.77103
DAD-0002	184	164.41	165.31	100	0	0	0	0	0	0	0	2200	2350	23.85451
DAD-0002	185	165.31	166.19	100	0	0	0	0	0	0	0	2200	2350	23.85451
DAD-0002	186	166.19	167.07	100	0	0	0	0	0	0	0	2200	2350	7.194955
DAD-0002	187	167.07	167.96	100	0	0	0	0	0	0	0	2200	2356	13.30632
DAD-0002	188	167.96	168.84	100	0	0	0	0	0	0	0	2198	2350	17.90713
DAD-0002	189	168.84	169.72	85.5576	0	0	14.44238	0	0	0	0	2202	2354	4.626896
DAD-0002	190	169.72	170.61	100	0	0	0	0	0	0	0	2200	2354	9.18685
DAD-0002	191	170.61	171.5	88.5696	0	0	11.4304	0	0	0	0	2198	2352	9.070388
DAD-0002	192	171.5	172.4	100	0	0	0	0	0	0	0	2198	2348	15.97744
DAD-0002	193	172.4	173.29	100	0	0	0	0	0	0	0	2198	2348	24.03811
DAD-0002	194	173.29	174.18	100	0	0	0	0	0	0	0	2196	2348	24.94828
DAD-0002	195	174.18	175.08	100	0	0	0	0	0	0	0	2196	2352	19.7673
DAD-0002	196	175.08	175.98	100	0	0	0	0	0	0	0	2196	2350	29.51865
DAD-0002	197	175.98	176.89	100	0	0	0	0	0	0	0	2196	2350	8.451702
DAD-0002	198	176.89	177.79	100	0	0	0	0	0	0	0	2198	2350	16.56943
DAD-0002	199	177.79	178.69	100	0	0	0	0	0	0	0	2198	2348	17.29081
DAD-0002	200	178.69	179.59	100	0	0	0	0	0	0	0	2198	2346	9.727396
DAD-0002	201	179.59	180.49	100	0	0	0	0	0	0	0	2196	2350	12.13188
DAD-0002	202	180.49	181.39	100	0	0	0	0	0	0	0	2196	2350	17.70438
DAD-0002	203	181.39	182.29	100	0	0	0	0	0	0	0	2196	2352	7.935838
DAD-0002	204	182.29	183.19	100	0	0	0	0	0	0	0	2198	2350	6.743211
DAD-0002	205	183.19	184.09	100	0	0	0	0	0	0	0	2200	2348	10.13268
DAD-0002	206	184.09	184.99	100	0	0	0	0	0	0	0	2198	2350	21.71688
DAD-0002	207	184.99	185.9	100	0	0	0	0	0	0	0	2198	2350	14.31343
DAD-0002	208	185.9	186.8	100	0	0	0	0	0	0	0	2200	2352	11.49185
DAD-0002	209	186.8	187.7	100	0	0	0	0	0	0	0	2198	2350	8.044896
DAD-0002	210	187.7	188.6	100	0	0	0	0	0	0	0	2198	2346	7.510923
DAD-0002	211	188.6	189.51	100	0	0	0	0	0	0	0	2196	2342	6.762015

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	212	189.51	190.43	100	0	0	0	0	0	0	0	2196	2352	31.83701
DAD-0002	213	190.43	191.34	100	0	0	0	0	0	0	0	2196	2352	6.918686
DAD-0002	214	191.34	192.26	100	0	0	0	0	0	0	0	2198	2354	6.233105
DAD-0002	215	192.26	193.17	100	0	0	0	0	0	0	0	2198	2350	32.08984
DAD-0002	216	193.17	194.09	100	0	0	0	0	0	0	0	2198	2350	32.07784
DAD-0002	217	194.09	195	100	0	0	0	0	0	0	0	2198	2350	9.093259
DAD-0002	218	195	195.89	100	0	0	0	0	0	0	0	2200	2354	9.99978
DAD-0002	219	195.89	196.77	100	0	0	0	0	0	0	0	2198	2348	7.817428
DAD-0002	220	196.77	197.66	100	0	0	0	0	0	0	0	2196	2352	8.037098
DAD-0002	221	197.66	198.54	100	0	0	0	0	0	0	0	2202	2350	9.574773
DAD-0002	222	198.54	199.43	88.4041	0	0	11.59593	0	0	0	0	2196	2354	5.682679
DAD-0002	223	199.43	200.31	88.4041	0	0	11.59593	0	0	0	0	2196	2354	5.682679
DAD-0002	224	200.31	201.2	100	0	0	0	0	0	0	0	2200	2352	10.14561
DAD-0002	225	201.2	202.14	100	0	0	0	0	0	0	0	2202	2350	26.82634
DAD-0002	226	202.14	203.08	100	0	0	0	0	0	0	0	2198	2352	11.43351
DAD-0002	227	203.08	204.02	100	0	0	0	0	0	0	0	2198	2352	11.43351
DAD-0002	228	204.02	204.96	98.6749	1	0	0	0	0	0	0	2200	2350	30.04616
DAD-0002	229	204.96	205.9	98.6749	1	0	0	0	0	0	0	2200	2350	30.04616
DAD-0002	230	205.9	207	100	0	0	0	0	0	0	0	2200	2352	33.08675
DAD-0002	231	207	209.7	94.97	5	0	0	0	0	0	0	2198	2354	20.74251
DAD-0002	232	209.7	210.4	100	0	0	0	0	0	0	0	2200	2350	14.05915
DAD-0002	233	210.4	211.4	100	0	0	0	0	0	0	0	2200	2348	23.14495
DAD-0002	234	211.4	212.2	100	0	0	0	0	0	0	0	2198	2350	41.14952
DAD-0002	235	212.2	213.2	100	0	0	0	0	0	0	0	2198	2350	24.11846
DAD-0002	236	213.2	214.2	100	0	0	0	0	0	0	0	2200	2350	28.58457
DAD-0002	237	214.2	216	100	0	0	0	0	0	0	0	2198	2350	19.66619
DAD-0002	238	216	216.9	96.0333	4	0	0	0	0	0	0	2200	2348	22.92915
DAD-0002	239	216.9	217.6	91.2499	9	0	0	0	0	0	0	2200	2350	20.09682
DAD-0002	240	217.6	218.48	100	0	0	0	0	0	0	0	2200	2352	11.15643
DAD-0002	241	218.48	219.37	100	0	0	0	0	0	0	0	2200	2352	11.15643
DAD-0002	242	219.37	220.25	100	0	0	0	0	0	0	0	2200	2352	11.15643
DAD-0002	243	220.25	221.13	100	0	0	0	0	0	0	0	2198	2352	10.22624
DAD-0002	244	221.13	222.02	100	0	0	0	0	0	0	0	2200	2350	20.53821
DAD-0002	245	222.02	222.9	100	0	0	0	0	0	0	0	2200	2350	20.53821
DAD-0002	246	222.9	223.79	100	0	0	0	0	0	0	0	2196	2348	29.73092
DAD-0002	247	223.79	224.67	100	0	0	0	0	0	0	0	2196	2348	29.73092
DAD-0002	248	224.67	225.56	100	0	0	0	0	0	0	0	2196	2352	22.26103
DAD-0002	249	225.56	226.44	100	0	0	0	0	0	0	0	2198	2348	26.62636
DAD-0002	250	226.44	227.33	100	0	0	0	0	0	0	0	2194	2356	4.441782
DAD-0002	251	227.33	228.21	93.6199	6	0	0	0	0	0	0	2198	2352	29.96018
DAD-0002	252	228.21	229.1	60.889	0	0	39.111	0	0	0	0	2200	2352	5.35856
DAD-0002	253	229.1	230.01	50.2752	0	0	49.72476	0	0	0	0	2202	2352	2.647346
DAD-0002	254	230.01	230.93	80.4651	20	0	0	0	0	0	0	2198	2348	18.47766
DAD-0002	255	230.93	231.84	100	0	0	0	0	0	0	0	2196	2342	10.2128
DAD-0002	256	231.84	232.76	100	0	0	0	0	0	0	0	2196	2342	10.2128
DAD-0002	257	232.76	233.67	92.9767	7	0	0	0	0	0	0	2200	2348	25.45642
DAD-0002	258	233.67	234.59	98.9159	1	0	0	0	0	0	0	2198	2356	19.67549
DAD-0002	259	234.59	235.5	100	0	0	0	0	0	0	0	2198	2350	7.478957
DAD-0002	260	235.5	236.4	100	0	0	0	0	0	0	0	2198	2350	7.051766

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	261	236.4	237.3	100	0	0	0	0	0	0	0	2200	2354	15.86741
DAD-0002	262	237.3	238.2	68.0094	0	0	31.99065	0	0	0	0	2200	0	7.198927
DAD-0002	263	238.2	239.1	100	0	0	0	0	0	0	0	2200	2348	10.15857
DAD-0002	264	239.1	240	100	0	0	0	0	0	0	0	2200	2356	11.28918
DAD-0002	265	240	241	83.8279	0	0	16.17206	0	0	0	0	2208	2348	1.418126
DAD-0002	266	241	241.85	61.1121	0	0	38.88787	0	0	0	0	2212	2350	0.6013865
DAD-0002	267	241.85	242.7	37.3877	0	0	62.61227	0	0	0	0	2210	2350	0.3599267
DAD-0002	268	242.7	243.58	100	0	0	0	0	0	0	0	2216	2336	0.2066431
DAD-0002	269	243.58	244.47	100	0	0	0	0	0	0	0	2216	2346	0.3749431
DAD-0002	270	244.47	245.35	100	0	0	0	0	0	0	0	2220	2348	0.6727434
DAD-0002	271	245.35	246.23	63.1394	0	0	36.86065	0	0	0	0	2210	2344	0.4195723
DAD-0002	272	246.23	247.12	63.3775	0	0	36.62252	0	0	0	0	2218	2348	0.4051265
DAD-0002	273	247.12	248	18.632	0	0	81.36796	0	0	0	0	2218	2338	0.3260891
DAD-0002	274	248	248.93	77.3916	0	0	22.60839	0	0	0	0	2220	2352	0.5754445
DAD-0002	275	248.93	249.86	45.7331	10	0	44.59262	0	0	0	0	2220	2342	1.289346
DAD-0002	276	249.86	250.79	45.7331	10	0	44.59262	0	0	0	0	2220	2342	1.289346
DAD-0002	277	250.79	251.71	0	100	0	0	0	0	15	0	0	2336	5.866798
DAD-0002	278	251.71	252.64	0	100	0	0	0	0	15	0	0	2340	5.87632
DAD-0002	279	252.64	253.57	17.1171	3	80	0	0	0	0	0	2216	2344	0.384655
DAD-0002	280	253.57	254.5	0	100	0	0	0	0	8	0	0	2334	2.881071
DAD-0002	281	254.5	255.37	0	100	0	0	0	0	8	0	0	2334	5.186704
DAD-0002	282	255.37	256.24	29.1619	8	0	62.73001	0	0	0	0	2224	2336	0.2916521
DAD-0002	283	256.24	257.11	0	0	0	0	0	0	0	0	0	2340	2.113709
DAD-0002	284	257.11	257.99	0	100	0	0	0	0	10	0	0	2338	3.394479
DAD-0002	285	257.99	258.86	0	100	0	0	0	0	4	1	2214	2336	0.3843968
DAD-0002	286	258.86	259.73	0	100	0	0	0	0	8	0	0	2336	2.487641
DAD-0002	287	259.73	260.6	0	100	0	0	0	0	17	0	0	2332	0.9528778
DAD-0002	288	260.6	261.37	0	100	0	0	0	0	16	0	0	2328	5.572655
DAD-0002	289	261.37	262.14	0	100	0	0	0	0	17	0	0	2336	4.025397
DAD-0002	290	262.14	262.91	0	100	0	0	0	0	12	0	0	2338	3.101735
DAD-0002	291	262.91	263.69	0	100	0	0	0	0	17	0	0	2330	2.749736
DAD-0002	292	263.69	264.46	0	20	0	80.08221	0	0	0	0	0	2334	1.088827
DAD-0002	293	264.46	265.23	0	20	0	79.95506	0	0	0	1	0	2330	0.8203403
DAD-0002	294	265.23	266	0	100	0	0	0	0	12	0	0	2342	5.083142
DAD-0002	295	266	267.03	0	100	0	0	0	0	10	0	0	2338	3.765645
DAD-0002	296	267.03	268.06	0	100	0	0	0	0	8	0	0	2338	3.123117
DAD-0002	297	268.06	269.09	0	100	0	0	0	0	10	0	0	2342	3.726533
DAD-0002	298	269.09	270.11	0	100	0	0	0	0	10	0	0	2346	4.494459
DAD-0002	299	270.11	271.14	0	100	0	0	0	0	8	0	0	2350	3.358728
DAD-0002	300	271.14	272.17	0	0	0	0	0	0	0	1	0	2342	0.6877598
DAD-0002	301	272.17	273.2	0	100	0	0	0	0	14	0	2222	2332	0.3835559
DAD-0002	302	273.2	274.09	2.59967	90	7	0	0	0	7	0	2216	2338	0.5638732
DAD-0002	303	274.09	274.97	0	10	0	89.55526	0	0	0	0	2210	2338	0.5377501
DAD-0002	304	274.97	275.86	0	100	0	0	0	0	16	0	2218	2344	1.037455
DAD-0002	305	275.86	276.74	0	100	0	0	0	0	16	0	0	2340	0.7647164
DAD-0002	306	276.74	277.63	0	0	100	0	0	0	0	0	2216	2332	0.8044303
DAD-0002	307	277.63	278.51	0	0	0	0	0	0	0	0	2220	2326	0.7998661
DAD-0002	308	278.51	279.4	0	51	49	0	0	0	0	0	2218	2348	0.7592093
DAD-0002	309	279.4	280.27	0	100	0	0	0	0	19	0	0	2338	2.460449

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	310	280.27	281.14	29.9484	15	0	55.30958	0	0	0	0	2224	2336	0.8578659
DAD-0002	311	281.14	282.01	0	100	0	0	0	0	19	0	0	2338	2.741332
DAD-0002	312	282.01	282.89	0	100	0	0	0	0	15	0	2218	2336	0.9029369
DAD-0002	313	282.89	283.76	0	100	0	0	0	0	19	0	0	2328	1.167379
DAD-0002	314	283.76	284.63											
DAD-0002	315	284.63	285.5	0	100	0	0	0	0	18	0	0	2338	2.078975
DAD-0002	316	285.5	286.4	0	100	0	0	0	0	16	0	0	2318	0.786616
DAD-0002	317	286.4	287.3	0	100	0	0	0	0	16	0	2212	2340	0.7117898
DAD-0002	318	287.3	288.2	27.8903	6	0	66.43407	0	0	0	0	2206	2342	0.9483839
DAD-0002	319	288.2	289.1	35.2643	25	40	0	0	0	0	0	2212	2352	0.8867564
DAD-0002	320	289.1	290	46.4704	4	0	49.23064	0	0	0	0	2214	2342	0.7261714
DAD-0002	321	290	290.9	49.7725	13	37	0	0	0	0	0	2202	2336	0.6712489
DAD-0002	322	290.9	291.8	0	22	0	78.08207	0	0	0	0	2212	2342	0.7600703
DAD-0002	323	291.8	292.69	32.1112	15	0	53.14685	0	0	0	0	2212	2352	0.8241456
DAD-0002	324	292.69	293.57	32.4629	9	0	58.93756	0	0	0	0	2212	2356	1.06172
DAD-0002	325	293.57	294.46	47.3706	1	0	51.98445	0	0	0	0	2206	2344	0.9418188
DAD-0002	326	294.46	295.34	0	100	0	0	0	0	14	0	2222	2348	1.067254
DAD-0002	327	295.34	296.23	0	100	0	0	0	0	16	0	0	2342	1.144082
DAD-0002	328	296.23	297.11											
DAD-0002	329	297.11	298	100	0	0	0	0	0	0	0	2212	2338	1.228937
DAD-0002	330	298	298.89	0	100	0	0	0	0	20	0	0	2342	1.263091
DAD-0002	331	298.89	299.77	0	100	0	0	0	0	14	0	0	2326	1.943679
DAD-0002	332	299.77	300.66	0	0	0	0	0	0	0	0	0	2336	2.087912
DAD-0002	333	300.66	301.54	0	100	0	0	0	0	18	0	0	2330	1.568119
DAD-0002	334	301.54	302.43	0	100	0	0	0	0	8	0	0	2334	1.224355
DAD-0002	335	302.43	303.31	0	35	0	65.07939	0	0	0	0	0	2336	1.282136
DAD-0002	336	303.31	304.2	0	100	0	0	0	0	18	0	0	2330	1.030127
DAD-0002	337	304.2	305.04	0	0	0	0	0	0	0	0	0	2330	1.569972
DAD-0002	338	305.04	305.89	0	100	0	0	0	0	8	0	0	2338	3.378834
DAD-0002	339	305.89	306.73	0	100	0	0	0	0	16	0	0	2346	1.521051
DAD-0002	340	306.73	307.57	0	100	0	0	0	0	17	0	0	2334	2.178026
DAD-0002	341	307.57	308.41	0	100	0	0	0	0	8	0	0	2348	2.537949
DAD-0002	342	308.41	309.26	9.99993	90	0	0	0	0	0	0	2216	2338	0.9590444
DAD-0002	343	309.26	310.1	0	21	0	78.60045	0	0	0	0	0	2338	0.8937586
DAD-0002	344	310.1	311.03	0	100	0	0	0	0	8	0	0	2348	3.24384
DAD-0002	345	311.03	311.96	0	100	0	0	0	0	18	0	0	2334	1.089705
DAD-0002	346	311.96	312.89	0	100	0	0	0	0	16	0	0	2328	3.076223
DAD-0002	347	312.89	313.81	0	100	0	0	0	0	17	0	0	2334	2.694728
DAD-0002	348	313.81	314.74	0	100	0	0	0	0	10	0	0	2340	2.612421
DAD-0002	349	314.74	315.67	0	20	0	80.11073	0	0	0	0	0	2338	1.193348
DAD-0002	350	315.67	316.6	76.4545	0	24	0	0	0	0	0	2214	2352	1.020099
DAD-0002	351	316.6	317.47	0	52	48	0	0	0	0	0	2220	2346	1.273506
DAD-0002	352	317.47	318.34	30.7181	15	0	54.53992	0	0	0	0	2214	2350	1.200555
DAD-0002	353	318.34	319.21	41.0128	3	0	56.40765	0	0	0	0	2218	2350	0.6091744
DAD-0002	354	319.21	320.09	26.0989	3	0	70.70857	0	0	0	0	2214	2350	0.7906511
DAD-0002	355	320.09	320.96	0	88	12	0	0	0	0	0	2210	2350	0.9314102
DAD-0002	356	320.96	321.83											
DAD-0002	357	321.83	322.7	58.0004	42	0	0	0	0	0	0	2216	2342	0.8233609
DAD-0002	358	322.7	323.57	0	100	0	0	0	0	14	0	2214	2342	0.9349875

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	359	323.57	324.44	0	53	0	47.05069	0	0	0	0	0	2342	1.634874
DAD-0002	360	324.44	325.31	72.9939	0	0	27.00609	0	0	0	0	2214	2342	0.9411572
DAD-0002	361	325.31	326.19	0	100	0	0	0	0	15	0	0	2336	4.496781
DAD-0002	362	326.19	327.06	0	100	0	0	0	0	18	0	0	2328	1.90587
DAD-0002	363	327.06	327.93	0	100	0	0	0	0	10	0	0	2336	2.337869
DAD-0002	364	327.93	328.8	0	100	0	0	0	0	18	0	0	2346	1.689453
DAD-0002	365	328.8	329.69	0	100	0	0	0	0	12	0	0	2342	2.458599
DAD-0002	366	329.69	330.57	0	100	0	0	0	0	12	0	0	2338	2.524318
DAD-0002	367	330.57	331.46	0	100	0	0	0	0	10	0	0	2340	2.39175
DAD-0002	368	331.46	332.34	0	100	0	0	0	0	12	0	0	2340	3.45425
DAD-0002	369	332.34	333.23	0	100	0	0	0	0	20	0	0	2334	3.673068
DAD-0002	370	333.23	334.11	0	100	0	0	0	0	18	0	0	2340	1.295929
DAD-0002	371	334.11	335	0	100	0	0	0	0	10	0	0	2336	2.303103
DAD-0002	372	335	335.89	0	100	0	0	0	0	18	0	0	2330	1.78462
DAD-0002	373	335.89	336.79	0	100	0	0	0	0	8	0	0	2336	2.265523
DAD-0002	374	336.79	337.68	0	100	0	0	0	0	12	0	0	2338	1.683746
DAD-0002	375	337.68	338.57	0	100	0	0	0	0	16	0	0	2332	4.459568
DAD-0002	376	338.57	339.46	0	100	0	0	0	0	16	0	0	2328	1.898271
DAD-0002	377	339.46	340.36											
DAD-0002	378	340.36	341.25	0	0	0	0	0	0	0	0	2208	2342	0.7548086
DAD-0002	379	341.25	342.16	0	100	0	0	0	0	10	0	2204	2338	0.6316004
DAD-0002	380	342.16	343.06	0	65	35	0	0	0	0	0	2208	2334	0.629363
DAD-0002	381	343.06	343.97	70.5294	0	29	0	0	0	0	0	2206	2348	0.7068639
DAD-0002	382	343.97	344.88	0	11	0	89.32066	0	0	0	0	2196	2342	0.7179438
DAD-0002	383	344.88	345.79	0	11	0	88.92235	0	0	0	0	2216	2338	0.9415156
DAD-0002	384	345.79	346.69	0	100	0	0	0	0	20	0	0	2328	1.316232
DAD-0002	385	346.69	347.6	0	100	0	0	0	0	10	0	2208	2338	1.415835
DAD-0002	386	347.6	348.5	0	12	0	88.42223	0	0	0	0	0	2332	1.95708
DAD-0002	387	348.5	349.4	0	100	0	0	0	0	15	0	0	2332	0.9309328
DAD-0002	388	349.4	350.3	0	0	0	0	0	0	0	0	2216	2328	0.3703739
DAD-0002	389	350.3	351.2	0	21	0	79.42929	0	0	0	0	0	2328	0.638238
DAD-0002	390	351.2	352.1	0	100	0	0	0	0	16	0	0	2336	5.707626
DAD-0002	391	352.1	353											
DAD-0002	392	353	353.9	0	100	0	0	0	0	10	0	0	2342	2.542755
DAD-0002	393	353.9	354.76											
DAD-0002	394	354.76	355.61	0	0	0	0	0	0	0	0	0	2332	1.173249
DAD-0002	395	355.61	356.47	0	0	0	0	0	0	0	0	0	2336	5.461011
DAD-0002	396	356.47	357.33	68.862	0	0	31.13801	0	0	0	0	2212	2348	1.013332
DAD-0002	397	357.33	358.19	0	20	0	80.18954	0	0	0	0	0	2332	0.9481101
DAD-0002	398	358.19	359.04	0	100	0	0	0	0	8	0	0	2336	7.985841
DAD-0002	399	359.04	359.9	100	0	0	0	0	0	0	0	2220	2344	18.79851
DAD-0002	400	359.9	360.79	56.1771	0	0	43.82287	0	0	0	0	2212	2340	0.4485918
DAD-0002	401	360.79	361.67	84.0369	0	0	15.96314	0	0	0	0	2198	2350	2.572589
DAD-0002	402	361.67	362.56	100	0	0	0	0	0	0	0	2200	2350	27.04003
DAD-0002	403	362.56	363.44	100	0	0	0	0	0	0	0	2200	2354	13.51106
DAD-0002	404	363.44	364.33	98.724	1	0	0	0	0	0	0	2200	2352	18.37847
DAD-0002	405	364.33	365.21	0	100	0	0	0	0	0	0	2200	2356	12.89237
DAD-0002	406	365.21	366.1	100	0	0	0	0	0	0	0	2200	2350	10.13251
DAD-0002	407	366.1	366.97	100	0	0	0	0	0	0	0	2200	2354	8.715427

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	408	366.97	367.84	100	0	0	0	0	0	0	0	2198	0	18.31596
DAD-0002	409	367.84	368.71	100	0	0	0	0	0	0	0	2198	0	12.57481
DAD-0002	410	368.71	369.59	100	0	0	0	0	0	0	0	2200	2354	9.14337
DAD-0002	411	369.59	370.46	100	0	0	0	0	0	0	0	2200	2352	5.457052
DAD-0002	412	370.46	371.33	68.7672	0	0	31.23282	0	0	0	0	2208	2352	8.786888
DAD-0002	413	371.33	372.2	100	0	0	0	0	0	0	0	2200	0	9.699963
DAD-0002	414	372.2	373.09	100	0	0	0	0	0	0	0	2202	0	9.570365
DAD-0002	415	373.09	373.97	61.7961	0	0	38.20386	0	0	0	0	2200	2352	9.19793
DAD-0002	416	373.97	374.86	100	0	0	0	0	0	0	0	2200	0	8.016609
DAD-0002	417	374.86	375.74	100	0	0	0	0	0	0	0	2198	2350	8.362707
DAD-0002	418	375.74	376.63	28.0388	25	0	47.39121	0	0	0	0	2200	0	5.904917
DAD-0002	419	376.63	377.51	100	0	0	0	0	0	0	0	2198	0	8.369411
DAD-0002	420	377.51	378.4	0	100	0	0	0	0	2	0	2196	0	7.540487
DAD-0002	421	378.4	379.3	52.8339	0	0	47.16606	0	0	0	0	2206	2354	7.144336
DAD-0002	422	379.3	380.2	100	0	0	0	0	0	0	0	2198	2356	12.04312
DAD-0002	423	380.2	381.1	0	100	0	0	0	0	2	0	2206	0	7.641287
DAD-0002	424	381.1	382	0	100	0	0	0	0	4	0	2208	0	10.3887
DAD-0002	425	382	382.9	100	0	0	0	0	0	0	0	2198	2354	19.99385
DAD-0002	426	382.9	383.8	100	0	0	0	0	0	0	0	2198	2354	19.99385
DAD-0002	427	383.8	384.7	100	0	0	0	0	0	0	0	2198	0	10.33911
DAD-0002	428	384.7	385.59	0	100	0	0	0	0	4	0	2206	2352	6.357773
DAD-0002	429	385.59	386.47	100	0	0	0	0	0	0	0	2200	0	6.252449
DAD-0002	430	386.47	387.36	100	0	0	0	0	0	0	0	2200	2356	6.225648
DAD-0002	431	387.36	388.24	100	0	0	0	0	0	0	0	2198	2354	7.13861
DAD-0002	432	388.24	389.13	100	0	0	0	0	0	0	0	2198	2352	14.89335
DAD-0002	433	389.13	390.01	0	100	0	0	0	0	2	0	2206	0	9.763368
DAD-0002	434	390.01	390.9	100	0	0	0	0	0	0	0	2198	2356	5.135543
DAD-0002	435	390.9	391.76	100	0	0	0	0	0	0	0	2200	2352	8.104773
DAD-0002	436	391.76	392.61	100	0	0	0	0	0	0	0	2198	2350	18.68931
DAD-0002	437	392.61	393.47											
DAD-0002	438	393.47	394.33	100	0	0	0	0	0	0	0	2198	2356	5.29992
DAD-0002	439	394.33	395.19	100	0	0	0	0	0	0	0	2200	2352	6.425804
DAD-0002	440	395.19	396.04	0	100	0	0	0	0	2	0	2200	0	6.807877
DAD-0002	441	396.04	396.9	100	0	0	0	0	0	0	0	2198	2354	10.80933
DAD-0002	442	396.9	397.76	100	0	0	0	0	0	0	0	2198	2348	8.665064
DAD-0002	443	397.76	398.61	100	0	0	0	0	0	0	0	2196	2352	11.86137
DAD-0002	444	398.61	399.47	0	100	0	0	0	0	0	0	2200	0	9.533673
DAD-0002	445	399.47	400.33	100	0	0	0	0	0	0	0	2200	0	13.78325
DAD-0002	446	400.33	401.19	0	100	0	0	0	0	0	0	2200	0	11.06926
DAD-0002	447	401.19	402.04	100	0	0	0	0	0	0	0	2198	0	19.49415
DAD-0002	448	402.04	402.9	0	100	0	0	0	0	2	0	2206	2352	6.31252
DAD-0002	449	402.9	403.79	100	0	0	0	0	0	0	0	2200	2350	12.27239
DAD-0002	450	403.79	404.67	100	0	0	0	0	0	0	0	2198	2352	13.99125
DAD-0002	451	404.67	405.56	100	0	0	0	0	0	0	0	2198	2350	24.25946
DAD-0002	452	405.56	406.44	100	0	0	0	0	0	0	0	2196	0	15.28382
DAD-0002	453	406.44	407.33	100	0	0	0	0	0	0	0	2196	0	11.02352
DAD-0002	454	407.33	408.21	100	0	0	0	0	0	0	0	2196	2352	14.14898
DAD-0002	455	408.21	409.1	100	0	0	0	0	0	0	0	2198	2356	12.31486
DAD-0002	456	409.1	409.98	100	0	0	0	0	0	0	0	2198	2356	7.372891

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	457	409.98	410.86	0	100	0	0	0	0	4	0	2196	0	6.291726
DAD-0002	458	410.86	411.74	0	100	0	0	0	0	4	0	2200	2348	5.732547
DAD-0002	459	411.74	412.61	100	0	0	0	0	0	0	0	2198	2346	7.789103
DAD-0002	460	412.61	413.49	100	0	0	0	0	0	0	0	2198	0	10.13024
DAD-0002	461	413.49	414.37	100	0	0	0	0	0	0	0	2196	0	8.915716
DAD-0002	462	414.37	415.25	33.1674	25	0	42.26263	0	0	0	0	2198	0	8.839495
DAD-0002	463	415.25	416.16	100	0	0	0	0	0	0	0	2198	0	7.39583
DAD-0002	464	416.16	417.06	0	100	0	0	0	0	0	0	2202	0	7.282545
DAD-0002	465	417.06	417.97	100	0	0	0	0	0	0	0	2196	2344	9.009159
DAD-0002	466	417.97	418.88	100	0	0	0	0	0	0	0	2198	2352	8.094366
DAD-0002	467	418.88	419.79	100	0	0	0	0	0	0	0	2196	0	9.649684
DAD-0002	468	419.79	420.69	100	0	0	0	0	0	0	0	2198	2350	10.08053
DAD-0002	469	420.69	421.6	100	0	0	0	0	0	0	0	2196	2348	16.39974
DAD-0002	470	421.6	422.49	100	0	0	0	0	0	0	0	2198	2354	11.47308
DAD-0002	471	422.49	423.39	100	0	0	0	0	0	0	0	2196	2356	11.06499
DAD-0002	472	423.39	424.28	61.4641	0	0	38.53592	0	0	0	0	2200	2352	6.995208
DAD-0002	473	424.28	425.17	100	0	0	0	0	0	0	0	2198	2354	10.88875
DAD-0002	474	425.17	426.06	100	0	0	0	0	0	0	0	2198	0	12.9581
DAD-0002	475	426.06	426.96	100	0	0	0	0	0	0	0	2198	2352	10.66709
DAD-0002	476	426.96	427.85	91.3955	0	0	8.604521	0	0	0	0	2194	2348	10.5877
DAD-0002	477	427.85	428.71	100	0	0	0	0	0	0	0	2200	2352	17.40466
DAD-0002	478	428.71	429.58	100	0	0	0	0	0	0	0	2200	2350	19.23401
DAD-0002	479	429.58	430.44	100	0	0	0	0	0	0	0	2202	2346	22.3537
DAD-0002	480	430.44	431.31	100	0	0	0	0	0	0	0	2200	2352	11.12996
DAD-0002	481	431.31	432.17	100	0	0	0	0	0	0	0	2196	2354	10.63027
DAD-0002	482	432.17	433.04	66.3272	0	0	33.67278	0	0	0	0	2196	2352	3.223005
DAD-0002	483	433.04	433.9	100	0	0	0	0	0	0	0	2194	2354	12.99757
DAD-0002	484	433.9	434.8	100	0	0	0	0	0	0	0	2196	2352	24.38092
DAD-0002	485	434.8	435.7	69.8526	0	0	30.14744	0	0	0	0	2198	0	7.345763
DAD-0002	486	435.7	436.6	100	0	0	0	0	0	0	0	2194	2352	14.50152
DAD-0002	487	436.6	437.5	100	0	0	0	0	0	0	0	2198	2352	15.37573
DAD-0002	488	437.5	438.4	100	0	0	0	0	0	0	0	2198	2348	38.19371
DAD-0002	489	438.4	439.3	100	0	0	0	0	0	0	0	2198	2354	12.4646
DAD-0002	490	439.3	440.2	100	0	0	0	0	0	0	0	2198	2350	22.7802
DAD-0002	491	440.2	441.16	100	0	0	0	0	0	0	0	2200	2348	25.1157
DAD-0002	492	441.16	442.11	100	0	0	0	0	0	0	0	2196	2348	8.745488
DAD-0002	493	442.11	443.07	100	0	0	0	0	0	0	0	2198	2352	21.14135
DAD-0002	494	443.07	444.03	100	0	0	0	0	0	0	0	2196	2352	9.642406
DAD-0002	495	444.03	444.99	100	0	0	0	0	0	0	0	2198	2354	9.975773
DAD-0002	496	444.99	445.94	83.2628	0	0	16.73722	0	0	0	0	2194	2354	12.80308
DAD-0002	497	445.94	446.9	100	0	0	0	0	0	0	0	2196	2354	21.42334
DAD-0002	498	446.9	447.79	100	0	0	0	0	0	0	0	2198	2350	17.71932
DAD-0002	499	447.79	448.67	100	0	0	0	0	0	0	0	2198	2352	14.00209
DAD-0002	500	448.67	449.56	100	0	0	0	0	0	0	0	2196	2350	17.69939
DAD-0002	501	449.56	450.44	100	0	0	0	0	0	0	0	2196	2350	11.09391
DAD-0002	502	450.44	451.33	100	0	0	0	0	0	0	0	2194	2348	7.794784
DAD-0002	503	451.33	452.21	97.397	0	0	2.603025	0	0	0	0	2202	2352	8.914059
DAD-0002	504	452.21	453.1	100	0	0	0	0	0	0	0	2200	2352	12.18244
DAD-0002	505	453.1	454.04	100	0	0	0	0	0	0	0	2198	2348	28.26839

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	506	454.04	454.99	100	0	0	0	0	0	0	0	2198	2346	23.83364
DAD-0002	507	454.99	455.93	93.614	0	0	6.385958	0	0	0	0	2198	2350	8.552715
DAD-0002	508	455.93	456.87	93.0173	0	0	6.98266	0	0	0	0	2198	2350	13.51452
DAD-0002	509	456.87	457.81	100	0	0	0	0	0	0	0	2198	2344	9.520541
DAD-0002	510	457.81	458.76	100	0	0	0	0	0	0	0	2198	2344	9.520541
DAD-0002	511	458.76	459.7	100	0	0	0	0	0	0	0	2196	2348	14.84482
DAD-0002	512	459.7	460.57	100	0	0	0	0	0	0	0	2196	2344	18.648
DAD-0002	513	460.57	461.43	100	0	0	0	0	0	0	0	2196	0	17.66838
DAD-0002	514	461.43	462.3	100	0	0	0	0	0	0	0	2194	2354	12.86407
DAD-0002	515	462.3	463.17	100	0	0	0	0	0	0	0	2196	2350	12.07036
DAD-0002	516	463.17	464.03	81.7689	1	0	17.43157	0	0	0	0	2196	2354	12.32423
DAD-0002	517	464.03	464.9	100	0	0	0	0	0	0	0	2196	2350	17.0181
DAD-0002	518	464.9	465.8	100	0	0	0	0	0	0	0	2198	2346	24.37173
DAD-0002	519	465.8	466.7	100	0	0	0	0	0	0	0	2198	2352	22.21598
DAD-0002	520	466.7	467.6	100	0	0	0	0	0	0	0	2200	2352	16.83513
DAD-0002	521	467.6	468.53	100	0	0	0	0	0	0	0	2198	2346	25.93902
DAD-0002	522	468.53	469.46	100	0	0	0	0	0	0	0	2200	2346	23.60809
DAD-0002	523	469.46	470.39	100	0	0	0	0	0	0	0	2200	2346	14.25283
DAD-0002	524	470.39	471.32	100	0	0	0	0	0	0	0	2196	2346	19.77361
DAD-0002	525	471.32	472.25	100	0	0	0	0	0	0	0	2196	2346	17.54139
DAD-0002	526	472.25	473.16	95.1362	0	0	4.863822	0	0	0	0	2198	2344	12.6992
DAD-0002	527	473.16	474.07	100	0	0	0	0	0	0	0	2196	2350	17.66318
DAD-0002	528	474.07	474.99	65.9006	0	0	34.09944	0	0	0	0	2198	2352	9.604463
DAD-0002	529	474.99	475.9	63.095	0	0	36.90501	0	0	0	0	2202	0	12.83734
DAD-0002	530	475.9	476.76	100	0	0	0	0	0	0	0	2194	2356	11.05892
DAD-0002	531	476.76	477.62	100	0	0	0	0	0	0	0	2198	2348	10.90913
DAD-0002	532	477.62	478.49	100	0	0	0	0	0	0	0	2200	2344	6.939834
DAD-0002	533	478.49	479.35	100	0	0	0	0	0	0	0	2196	2352	15.81104
DAD-0002	534	479.35	480.26	100	0	0	0	0	0	0	0	2200	2354	10.99008
DAD-0002	535	480.26	481.17	60.1502	0	0	39.84979	0	0	0	0	2200	2350	10.04517
DAD-0002	536	481.17	482.08	0	100	0	0	0	0	4	0	2196	2350	10.02644
DAD-0002	537	482.08	482.99	61.8797	0	0	38.12032	0	0	0	0	2192	2350	6.400547
DAD-0002	538	482.99	483.9	100	0	0	0	0	0	0	0	2196	2348	15.99567
DAD-0002	539	483.9	484.61	100	0	0	0	0	0	0	0	2194	2356	14.09289
DAD-0002	540	484.61	485.32	100	0	0	0	0	0	0	0	2196	2356	15.06077
DAD-0002	541	485.32	486.02	100	0	0	0	0	0	0	0	2196	0	11.87569
DAD-0002	542	486.02	486.73	100	0	0	0	0	0	0	0	2198	2348	11.9413
DAD-0002	543	486.73	487.44	100	0	0	0	0	0	0	0	2196	2348	8.727
DAD-0002	544	487.44	488.15	93.8323	0	0	6.167722	0	0	0	0	2194	2356	11.11286
DAD-0002	545	488.15	489.35	100	0	0	0	0	0	0	0	2200	2352	16.86033
DAD-0002	546	489.35	490.55	100	0	0	0	0	0	0	0	2198	2352	14.5439
DAD-0002	547	490.55	491.75	66.9257	0	0	33.07433	0	0	0	0	2198	2356	10.00889
DAD-0002	548	491.75	492.62	100	0	0	0	0	0	0	0	2200	2346	10.0917
DAD-0002	549	492.62	493.5	76.1694	0	0	23.83058	0	0	0	0	2196	0	7.000391
DAD-0002	550	493.5	494.37	100	0	0	0	0	0	0	0	2198	2350	16.99902
DAD-0002	551	494.37	495.25	68.4563	0	0	31.54366	0	0	0	0	2200	2352	6.526382
DAD-0002	552	495.25	496.12	100	0	0	0	0	0	0	0	2196	2348	17.16118
DAD-0002	553	496.12	497	100	0	0	0	0	0	0	0	2198	2348	17.63687
DAD-0002	554	497	497.88	100	0	0	0	0	0	0	0	2196	2352	16.23026

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	555	497.88	498.77	100	0	0	0	0	0	0	0	2198	2348	16.02078
DAD-0002	556	498.77	499.65	100	0	0	0	0	0	0	0	2196	2352	19.27129
DAD-0002	557	499.65	500.54	100	0	0	0	0	0	0	0	2196	2352	15.7279
DAD-0002	558	500.54	501.42	100	0	0	0	0	0	0	0	2196	2352	15.64121
DAD-0002	559	501.42	502.31	100	0	0	0	0	0	0	0	2196	2350	19.04128
DAD-0002	560	502.31	503.2	100	0	0	0	0	0	0	0	2198	2356	14.76764
DAD-0002	561	503.2	504.08	100	0	0	0	0	0	0	0	2196	2348	17.78326
DAD-0002	562	504.08	504.96	100	0	0	0	0	0	0	0	2196	2354	16.61372
DAD-0002	563	504.96	505.84	100	0	0	0	0	0	0	0	2196	2346	18.22496
DAD-0002	564	505.84	506.72	100	0	0	0	0	0	0	0	2196	2352	19.93447
DAD-0002	565	506.72	507.6	100	0	0	0	0	0	0	0	2196	2348	16.0075
DAD-0002	566	507.6	508.5	100	0	0	0	0	0	0	0	2196	2356	6.339893
DAD-0002	567	508.5	509.4	0	100	0	0	0	0	6	0	2204	2350	4.130732
DAD-0002	568	509.4	510.3	100	0	0	0	0	0	0	0	2196	2350	12.26918
DAD-0002	569	510.3	511.2	100	0	0	0	0	0	0	0	2196	2350	12.26918
DAD-0002	570	511.2	512.1	100	0	0	0	0	0	0	0	2200	2350	15.15272
DAD-0002	571	512.1	513	100	0	0	0	0	0	0	0	2198	2350	16.12735
DAD-0002	572	513	513.9	100	0	0	0	0	0	0	0	2196	2348	11.61162
DAD-0002	573	513.9	514.8	100	0	0	0	0	0	0	0	2196	2346	9.51118
DAD-0002	574	514.8	515.7	100	0	0	0	0	0	0	0	2196	2346	9.51118
DAD-0002	575	515.7	516.6	100	0	0	0	0	0	0	0	2198	2348	12.05296
DAD-0002	576	516.6	517.5	100	0	0	0	0	0	0	0	2198	2354	13.75122
DAD-0002	577	517.5	518.4	100	0	0	0	0	0	0	0	2198	2350	18.36161
DAD-0002	578	518.4	519.32	78.8519	0	0	21.14812	0	0	0	0	2202	2348	9.101298
DAD-0002	579	519.32	520.23	100	0	0	0	0	0	0	0	2200	2352	18.36196
DAD-0002	580	520.23	521.15	100	0	0	0	0	0	0	0	2198	2348	18.215
DAD-0002	581	521.15	522.07	100	0	0	0	0	0	0	0	2198	2354	21.04418
DAD-0002	582	522.07	522.98	100	0	0	0	0	0	0	0	2198	2348	11.92653
DAD-0002	583	522.98	523.9	100	0	0	0	0	0	0	0	2202	2350	11.74153
DAD-0002	584	523.9	524.83	26.5205	38	0	35.67948	0	0	0	0	2208	2356	5.761639
DAD-0002	585	524.83	525.77	100	0	0	0	0	0	0	0	2198	2348	7.817899
DAD-0002	586	525.77	526.7	100	0	0	0	0	0	0	0	2198	2350	16.46739
DAD-0002	587	526.7	527.6	100	0	0	0	0	0	0	0	2198	2350	16.35435
DAD-0002	588	527.6	528.5	100	0	0	0	0	0	0	0	2200	2348	7.863632
DAD-0002	589	528.5	529.4	100	0	0	0	0	0	0	0	2202	2352	23.40227
DAD-0002	590	529.4	530.3	100	0	0	0	0	0	0	0	2200	2352	19.60037
DAD-0002	591	530.3	531.2	89.269	0	0	10.73102	0	0	0	0	2198	2352	10.67172
DAD-0002	592	531.2	532.1	100	0	0	0	0	0	0	0	2200	2352	25.99232
DAD-0002	593	532.1	533	100	0	0	0	0	0	0	0	2200	2350	9.602542
DAD-0002	594	533	533.9	100	0	0	0	0	0	0	0	2196	2352	17.46616
DAD-0002	595	533.9	534.8	100	0	0	0	0	0	0	0	2200	2356	20.1429
DAD-0002	596	534.8	535.65	100	0	0	0	0	0	0	0	2196	2348	26.73845
DAD-0002	597	535.65	536.5	100	0	0	0	0	0	0	0	2198	2352	11.97682
DAD-0002	598	536.5	537.35	100	0	0	0	0	0	0	0	2198	2348	16.2179
DAD-0002	599	537.35	538.2	100	0	0	0	0	0	0	0	2198	2348	9.678242
DAD-0002	600	538.2	539.05	82.6974	0	0	17.30258	0	0	0	0	2196	2350	8.265839
DAD-0002	601	539.05	539.9	100	0	0	0	0	0	0	0	2200	2354	9.866058
DAD-0002	602	539.9	540.77	99.8475	0	0	0.1524806	0	0	0	0	2196	2344	8.817891
DAD-0002	603	540.77	541.64	59.3648	0	0	40.63519	0	0	0	0	2198	2346	2.327761

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	604	541.64	542.51	58.2835	0	0	41.71655	0	0	0	0	2198	2338	1.614602
DAD-0002	605	542.51	543.39	100	0	0	0	0	0	0	0	2198	2352	5.500354
DAD-0002	606	543.39	544.26	100	0	0	0	0	0	0	0	2198	2352	8.508272
DAD-0002	607	544.26	545.13	100	0	0	0	0	0	0	0	2200	2356	13.13053
DAD-0002	608	545.13	546	100	0	0	0	0	0	0	0	2202	2350	8.404266
DAD-0002	609	546	546.87	100	0	0	0	0	0	0	0	2202	2352	19.35243
DAD-0002	610	546.87	547.73	96.3299	4	0	0	0	0	0	0	2202	2350	29.56954
DAD-0002	611	547.73	548.6	100	0	0	0	0	0	0	0	2202	2350	16.64216
DAD-0002	612	548.6	549.47	100	0	0	0	0	0	0	0	2206	2350	14.21224
DAD-0002	613	549.47	550.33	98.6666	1	0	0	0	0	0	0	2198	2350	9.553575
DAD-0002	614	550.33	551.2	82.0624	18	0	0	0	0	0	0	2210	2356	9.951087
DAD-0002	615	551.2	553.7	100	0	0	0	0	0	0	0	2208	2350	17.03145
DAD-0002	616	553.7	554.4	79.6874	20	0	0	0	0	0	0	2200	2356	8.57654
DAD-0002	617	554.4	555.27	100	0	0	0	0	0	0	0	2208	2350	32.95962
DAD-0002	618	555.27	556.13	100	0	0	0	0	0	0	0	2206	2344	8.673809
DAD-0002	619	556.13	557	87.8771	12	0	0	0	0	0	0	2206	2350	11.73694
DAD-0002	620	557	557.9	97.0832	3	0	0	0	0	0	0	2204	2354	11.21129
DAD-0002	621	557.9	558.8	100	0	0	0	0	0	0	0	2214	2352	17.16273
DAD-0002	622	558.8	559.7	88.4064	0	0	11.59356	0	0	0	0	2206	2352	7.174375
DAD-0002	623	559.7	560.6	98.4708	2	0	0	0	0	0	0	2202	2352	13.58005
DAD-0002	624	560.6	561.51	100	0	0	0	0	0	0	0	2200	2354	23.66375
DAD-0002	625	561.51	562.42	83.3487	17	0	0	0	0	0	0	2200	2348	26.83432
DAD-0002	626	562.42	563.33	100	0	0	0	0	0	0	0	2200	2352	7.962754
DAD-0002	627	563.33	564.24	100	0	0	0	0	0	0	0	2202	2352	23.68386
DAD-0002	628	564.24	565.15	94.3795	6	0	0	0	0	0	0	2196	2350	18.79452
DAD-0002	629	565.15	566.07	100	0	0	0	0	0	0	0	2196	2348	20.13086
DAD-0002	630	566.07	567	100	0	0	0	0	0	0	0	2196	2348	23.69535
DAD-0002	631	567	567.92	100	0	0	0	0	0	0	0	2198	2350	21.16434
DAD-0002	632	567.92	568.85	100	0	0	0	0	0	0	0	2196	2350	19.55589
DAD-0002	633	568.85	569.72	100	0	0	0	0	0	0	0	2196	2348	18.77372
DAD-0002	634	569.72	570.59	100	0	0	0	0	0	0	0	2198	2348	17.14671
DAD-0002	635	570.59	571.46	100	0	0	0	0	0	0	0	2196	2348	26.26895
DAD-0002	636	571.46	572.33	100	0	0	0	0	0	0	0	2198	2350	17.3986
DAD-0002	637	572.33	573.2	100	0	0	0	0	0	0	0	2196	2350	13.96374
DAD-0002	638	573.2	574.1	100	0	0	0	0	0	0	0	2196	2346	8.513115
DAD-0002	639	574.1	575	100	0	0	0	0	0	0	0	2196	2346	15.49139
DAD-0002	640	575	575.86	100	0	0	0	0	0	0	0	2194	2350	12.12631
DAD-0002	641	575.86	576.71	100	0	0	0	0	0	0	0	2198	2350	13.57329
DAD-0002	642	576.71	577.57	100	0	0	0	0	0	0	0	2196	2346	20.95719
DAD-0002	643	577.57	578.43	76.1753	0	0	23.82473	0	0	0	0	2196	2348	7.993302
DAD-0002	644	578.43	579.29	100	0	0	0	0	0	0	0	2198	2352	15.27182
DAD-0002	645	579.29	580.14	100	0	0	0	0	0	0	0	2198	2350	15.50279
DAD-0002	646	580.14	581	100	0	0	0	0	0	0	0	2202	2352	29.61988
DAD-0002	647	581	581.86	100	0	0	0	0	0	0	0	2200	2348	26.32945
DAD-0002	648	581.86	582.71	100	0	0	0	0	0	0	0	2198	2350	12.20838
DAD-0002	649	582.71	583.57	100	0	0	0	0	0	0	0	2202	2350	8.443493
DAD-0002	650	583.57	584.43	100	0	0	0	0	0	0	0	2200	2352	12.51949
DAD-0002	651	584.43	585.29	100	0	0	0	0	0	0	0	2202	2352	24.08021
DAD-0002	652	585.29	586.14	100	0	0	0	0	0	0	0	2204	2350	14.73455

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	653	586.14	587	100	0	0	0	0	0	0	0	2204	2356	17.8245
DAD-0002	654	587	587.97	100	0	0	0	0	0	0	0	2200	2350	19.90915
DAD-0002	655	587.97	588.93	100	0	0	0	0	0	0	0	2198	2346	10.07764
DAD-0002	656	588.93	589.9	100	0	0	0	0	0	0	0	2196	2348	14.82641
DAD-0002	657	589.9	590.78	100	0	0	0	0	0	0	0	2196	2348	18.93837
DAD-0002	658	590.78	591.66	100	0	0	0	0	0	0	0	2196	2350	24.0318
DAD-0002	659	591.66	592.54	100	0	0	0	0	0	0	0	2196	2350	24.60735
DAD-0002	660	592.54	593.42	100	0	0	0	0	0	0	0	2196	2348	28.89329
DAD-0002	661	593.42	594.3	100	0	0	0	0	0	0	0	2194	2344	30.2158
DAD-0002	662	594.3	595.23	100	0	0	0	0	0	0	0	2196	2348	26.56269
DAD-0002	663	595.23	596.17	100	0	0	0	0	0	0	0	2196	2352	29.90526
DAD-0002	664	596.17	597.1	100	0	0	0	0	0	0	0	2198	2350	34.45506
DAD-0002	665	597.1	598.05	100	0	0	0	0	0	0	0	2198	2350	28.0616
DAD-0002	666	598.05	599	100	0	0	0	0	0	0	0	2198	2350	26.20425
DAD-0002	667	599	599.91	100	0	0	0	0	0	0	0	2198	2352	32.12397
DAD-0002	668	599.91	600.81	100	0	0	0	0	0	0	0	2200	2352	31.93754
DAD-0002	669	600.81	601.72	100	0	0	0	0	0	0	0	2198	2352	29.08397
DAD-0002	670	601.72	602.63	100	0	0	0	0	0	0	0	2198	2352	25.10723
DAD-0002	671	602.63	603.54	100	0	0	0	0	0	0	0	2198	2356	25.42972
DAD-0002	672	603.54	604.44	100	0	0	0	0	0	0	0	2196	2352	29.74211
DAD-0002	673	604.44	605.35	100	0	0	0	0	0	0	0	2198	2348	31.4338
DAD-0002	674	605.35	606.27	100	0	0	0	0	0	0	0	2196	2350	39.1383
DAD-0002	675	606.27	607.2	100	0	0	0	0	0	0	0	2196	2350	29.17141
DAD-0002	676	607.2	608.12	100	0	0	0	0	0	0	0	2196	2348	32.2188
DAD-0002	677	608.12	609.05	100	0	0	0	0	0	0	0	2196	2352	39.66959
DAD-0002	678	609.05	609.97	100	0	0	0	0	0	0	0	2196	2346	34.00725
DAD-0002	679	609.97	610.9	100	0	0	0	0	0	0	0	2194	2350	29.36508
DAD-0002	680	610.9	611.78	100	0	0	0	0	0	0	0	2196	2350	30.69596
DAD-0002	681	611.78	612.67	100	0	0	0	0	0	0	0	2196	2352	27.77526
DAD-0002	682	612.67	613.55	100	0	0	0	0	0	0	0	2196	2348	34.62415
DAD-0002	683	613.55	614.46	100	0	0	0	0	0	0	0	2194	2350	35.94455
DAD-0002	684	614.46	615.37	100	0	0	0	0	0	0	0	2196	2346	26.76845
DAD-0002	685	615.37	616.29	100	0	0	0	0	0	0	0	2198	2350	25.59019
DAD-0002	686	616.29	617.2	100	0	0	0	0	0	0	0	2196	2350	32.23916
DAD-0002	687	617.2	618.16	100	0	0	0	0	0	0	0	2196	2350	28.97537
DAD-0002	688	618.16	619.12	100	0	0	0	0	0	0	0	2196	2350	36.76223
DAD-0002	689	619.12	620.08	100	0	0	0	0	0	0	0	2198	2354	24.95793
DAD-0002	690	620.08	621.04	100	0	0	0	0	0	0	0	2198	2352	31.26354
DAD-0002	691	621.04	622	100	0	0	0	0	0	0	0	2196	2350	29.91443
DAD-0002	692	622	622.87	100	0	0	0	0	0	0	0	2198	2350	31.21185
DAD-0002	693	622.87	623.75	100	0	0	0	0	0	0	0	2196	2350	26.60785
DAD-0002	694	623.75	624.62	100	0	0	0	0	0	0	0	2196	2348	29.46518
DAD-0002	695	624.62	625.5	100	0	0	0	0	0	0	0	2198	2352	30.75343
DAD-0002	696	625.5	626.43	100	0	0	0	0	0	0	0	2196	2350	28.50133
DAD-0002	697	626.43	627.37	100	0	0	0	0	0	0	0	2196	2352	32.22938
DAD-0002	698	627.37	628.3	100	0	0	0	0	0	0	0	2196	2350	29.97689
DAD-0002	699	628.3	629.21	100	0	0	0	0	0	0	0	2198	2352	24.71427
DAD-0002	700	629.21	630.13	100	0	0	0	0	0	0	0	2196	2352	20.00625
DAD-0002	701	630.13	631.04	100	0	0	0	0	0	0	0	2196	2348	21.56953

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	702	631.04	631.96	100	0	0	0	0	0	0	0	2198	2348	19.84563
DAD-0002	703	631.96	632.87	100	0	0	0	0	0	0	0	2196	2346	23.96619
DAD-0002	704	632.87	633.79	100	0	0	0	0	0	0	0	2198	2348	13.42505
DAD-0002	705	633.79	634.7	100	0	0	0	0	0	0	0	2196	2350	25.86634
DAD-0002	706	634.7	635.61	100	0	0	0	0	0	0	0	2196	2348	19.11134
DAD-0002	707	635.61	636.53	100	0	0	0	0	0	0	0	2198	2350	19.99654
DAD-0002	708	636.53	637.44	100	0	0	0	0	0	0	0	2198	2346	16.3314
DAD-0002	709	637.44	638.36	93.9815	6	0	0	0	0	0	0	2198	2348	12.49774
DAD-0002	710	638.36	639.27	100	0	0	0	0	0	0	0	2196	2350	8.944859
DAD-0002	711	639.27	640.19	100	0	0	0	0	0	0	0	2196	2348	28.32823
DAD-0002	712	640.19	641.1	100	0	0	0	0	0	0	0	2196	2352	17.24867
DAD-0002	713	641.1	641.99	100	0	0	0	0	0	0	0	2196	2350	14.74945
DAD-0002	714	641.99	642.87	100	0	0	0	0	0	0	0	2198	2352	14.28784
DAD-0002	715	642.87	643.76	100	0	0	0	0	0	0	0	2196	2350	31.86668
DAD-0002	716	643.76	644.64	100	0	0	0	0	0	0	0	2196	2350	23.25026
DAD-0002	717	644.64	645.53	100	0	0	0	0	0	0	0	2196	2350	19.98144
DAD-0002	718	645.53	646.41	100	0	0	0	0	0	0	0	2194	2350	13.65558
DAD-0002	719	646.41	647.3	100	0	0	0	0	0	0	0	2196	2350	22.59088
DAD-0002	720	647.3	648.23	100	0	0	0	0	0	0	0	2196	2348	15.92277
DAD-0002	721	648.23	649.16	100	0	0	0	0	0	0	0	2198	2344	13.94156
DAD-0002	722	649.16	650.09	100	0	0	0	0	0	0	0	2198	2350	26.53035
DAD-0002	723	650.09	651.01	100	0	0	0	0	0	0	0	2198	2350	19.7284
DAD-0002	724	651.01	651.94	100	0	0	0	0	0	0	0	2196	2352	4.211658
DAD-0002	725	651.94	652.87	100	0	0	0	0	0	0	0	2196	2348	15.96066
DAD-0002	726	652.87	653.8	100	0	0	0	0	0	0	0	2198	2346	3.873838
DAD-0002	727	653.8	654.73	100	0	0	0	0	0	0	0	2196	2348	16.35953
DAD-0002	728	654.73	655.66	98.764	0	0	1.236016	0	0	0	0	2196	2350	5.206218
DAD-0002	729	655.66	656.59	100	0	0	0	0	0	0	0	2196	2348	5.66197
DAD-0002	730	656.59	657.51	100	0	0	0	0	0	0	0	2196	2346	13.53852
DAD-0002	731	657.51	658.44	100	0	0	0	0	0	0	0	2196	2348	17.98703
DAD-0002	732	658.44	659.37	100	0	0	0	0	0	0	0	2194	2346	12.4003
DAD-0002	733	659.37	660.3	100	0	0	0	0	0	0	0	2194	2346	16.44367
DAD-0002	734	660.3	661.23	100	0	0	0	0	0	0	0	2196	2348	10.44464
DAD-0002	735	661.23	662.16	100	0	0	0	0	0	0	0	2196	2346	21.33008
DAD-0002	736	662.16	663.09	100	0	0	0	0	0	0	0	2196	2346	13.38459
DAD-0002	737	663.09	664.01	100	0	0	0	0	0	0	0	2196	2350	16.82278
DAD-0002	738	664.01	664.94	100	0	0	0	0	0	0	0	2196	2344	15.28779
DAD-0002	739	664.94	665.87	100	0	0	0	0	0	0	0	2196	2350	12.18431
DAD-0002	740	665.87	666.8	100	0	0	0	0	0	0	0	2196	2348	4.700545
DAD-0002	741	666.8	667.71	100	0	0	0	0	0	0	0	2194	2344	21.05528
DAD-0002	742	667.71	668.61	97.4396	0	0	2.56036	0	0	0	0	2194	2348	3.532904
DAD-0002	743	668.61	669.52	100	0	0	0	0	0	0	0	2196	2350	7.13135
DAD-0002	744	669.52	670.43	100	0	0	0	0	0	0	0	2196	2350	7.369722
DAD-0002	745	670.43	671.34	100	0	0	0	0	0	0	0	2194	2350	15.1925
DAD-0002	746	671.34	672.24	100	0	0	0	0	0	0	0	2196	2350	5.308816
DAD-0002	747	672.24	673.15	100	0	0	0	0	0	0	0	2196	2348	4.998105
DAD-0002	748	673.15	674.07	100	0	0	0	0	0	0	0	2196	2342	12.31714
DAD-0002	749	674.07	674.99	100	0	0	0	0	0	0	0	2196	2344	17.74258
DAD-0002	750	674.99	675.91	100	0	0	0	0	0	0	0	2198	2350	4.213123

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	751	675.91	676.84	100	0	0	0	0	0	0	0	2194	2342	8.018812
DAD-0002	752	676.84	677.76	100	0	0	0	0	0	0	0	2196	2348	24.8128
DAD-0002	753	677.76	678.68	100	0	0	0	0	0	0	0	2194	2348	12.12516
DAD-0002	754	678.68	679.6	100	0	0	0	0	0	0	0	2194	2348	13.95156
DAD-0002	755	679.6	680.49	100	0	0	0	0	0	0	0	2196	2346	24.43942
DAD-0002	756	680.49	681.39	100	0	0	0	0	0	0	0	2194	2344	22.75699
DAD-0002	757	681.39	682.28	100	0	0	0	0	0	0	0	2194	2348	25.1157
DAD-0002	758	682.28	683.17	100	0	0	0	0	0	0	0	2194	2350	10.45861
DAD-0002	759	683.17	684.06	100	0	0	0	0	0	0	0	2194	2344	14.67079
DAD-0002	760	684.06	684.96	100	0	0	0	0	0	0	0	2194	2346	18.26556
DAD-0002	761	684.96	685.85	100	0	0	0	0	0	0	0	2196	2344	13.08705
DAD-0002	762	685.85	686.76	100	0	0	0	0	0	0	0	2196	2346	11.54213
DAD-0002	763	686.76	687.66	100	0	0	0	0	0	0	0	2194	2346	18.71297
DAD-0002	764	687.66	688.57	100	0	0	0	0	0	0	0	2196	2344	16.22443
DAD-0002	765	688.57	689.48	100	0	0	0	0	0	0	0	2196	2346	5.004202
DAD-0002	766	689.48	690.39	100	0	0	0	0	0	0	0	2196	2350	25.1007
DAD-0002	767	690.39	691.29	100	0	0	0	0	0	0	0	2194	2348	25.78748
DAD-0002	768	691.29	692.2	100	0	0	0	0	0	0	0	2194	2348	19.39063
DAD-0002	769	692.2	693.13	100	0	0	0	0	0	0	0	2194	2344	16.6743
DAD-0002	770	693.13	694.07	100	0	0	0	0	0	0	0	2194	2346	13.24116
DAD-0002	771	694.07	695	100	0	0	0	0	0	0	0	2194	2348	20.87876
DAD-0002	772	695	695.92	100	0	0	0	0	0	0	0	2194	2350	26.03184
DAD-0002	773	695.92	696.85	100	0	0	0	0	0	0	0	2194	2346	18.9855
DAD-0002	774	696.85	697.77	100	0	0	0	0	0	0	0	2196	2346	12.28218
DAD-0002	775	697.77	698.7	100	0	0	0	0	0	0	0	2194	2348	31.6745
DAD-0002	776	698.7	699.64	100	0	0	0	0	0	0	0	2194	2346	16.60966
DAD-0002	777	699.64	700.57	100	0	0	0	0	0	0	0	2196	2350	14.21663
DAD-0002	778	700.57	701.51	100	0	0	0	0	0	0	0	2196	2346	12.11127
DAD-0002	779	701.51	702.44	100	0	0	0	0	0	0	0	2196	2348	20.4072
DAD-0002	780	702.44	703.38	100	0	0	0	0	0	0	0	2196	2348	20.4072
DAD-0002	781	703.38	704.31	100	0	0	0	0	0	0	0	2194	2350	2.3323
DAD-0002	782	704.31	705.25	96.2386	0	0	3.761435	0	0	0	0	2198	2350	6.188039
DAD-0002	783	705.25	706.19	100	0	0	0	0	0	0	0	2196	2346	12.76903
DAD-0002	784	706.19	707.14	100	0	0	0	0	0	0	0	2194	2350	6.419796
DAD-0002	785	707.14	708.08	100	0	0	0	0	0	0	0	2196	2346	29.62779
DAD-0002	786	708.08	709.02	100	0	0	0	0	0	0	0	2196	2352	24.39121
DAD-0002	787	709.02	709.96	100	0	0	0	0	0	0	0	2196	2356	22.51387
DAD-0002	788	709.96	710.91	100	0	0	0	0	0	0	0	2196	2350	24.99485
DAD-0002	789	710.91	711.85	100	0	0	0	0	0	0	0	2198	2350	29.76285
DAD-0002	790	711.85	712.77	78.5193	21	0	0	0	0	0	0	2196	2348	7.974212
DAD-0002	791	712.77	713.69	95.7958	4	0	0	0	0	0	0	2200	2356	25.71712
DAD-0002	792	713.69	714.61	100	0	0	0	0	0	0	0	2198	2352	23.1987
DAD-0002	793	714.61	715.54	100	0	0	0	0	0	0	0	2198	2348	28.69478
DAD-0002	794	715.54	716.46	100	0	0	0	0	0	0	0	2196	2352	22.83042
DAD-0002	795	716.46	717.38	100	0	0	0	0	0	0	0	2196	2354	23.44813
DAD-0002	796	717.38	718.3	100	0	0	0	0	0	0	0	2196	2354	18.79135
DAD-0002	797	718.3	719.21	100	0	0	0	0	0	0	0	2198	2350	17.75909
DAD-0002	798	719.21	720.13	100	0	0	0	0	0	0	0	2198	2354	17.95628
DAD-0002	799	720.13	721.04	100	0	0	0	0	0	0	0	2198	2350	5.062223

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	800	721.04	721.96	100	0	0	0	0	0	0	0	2196	2350	18.4208
DAD-0002	801	721.96	722.87	100	0	0	0	0	0	0	0	2198	2348	11.9324
DAD-0002	802	722.87	723.79	100	0	0	0	0	0	0	0	2198	2348	10.92573
DAD-0002	803	723.79	724.7	100	0	0	0	0	0	0	0	2196	2352	13.21926
DAD-0002	804	724.7	725.61	100	0	0	0	0	0	0	0	2196	2350	8.205923
DAD-0002	805	725.61	726.53	100	0	0	0	0	0	0	0	2196	2348	5.036197
DAD-0002	806	726.53	727.44	100	0	0	0	0	0	0	0	2196	2348	25.62639
DAD-0002	807	727.44	728.36	100	0	0	0	0	0	0	0	2196	2344	16.53087
DAD-0002	808	728.36	729.27	100	0	0	0	0	0	0	0	2196	2348	14.24663
DAD-0002	809	729.27	730.19	100	0	0	0	0	0	0	0	2200	2350	26.65283
DAD-0002	810	730.19	731.1	100	0	0	0	0	0	0	0	2200	2356	23.93713
DAD-0002	811	731.1	732.02	100	0	0	0	0	0	0	0	2196	2350	25.63367
DAD-0002	812	732.02	732.94	77.0738	0	0	22.92622	0	0	0	0	2198	2352	5.646277
DAD-0002	813	732.94	733.86	100	0	0	0	0	0	0	0	2202	0	20.70488
DAD-0002	814	733.86	734.79	100	0	0	0	0	0	0	0	2198	2356	11.81207
DAD-0002	815	734.79	735.71	100	0	0	0	0	0	0	0	2198	2348	21.10193
DAD-0002	816	735.71	736.63	100	0	0	0	0	0	0	0	2200	2350	19.93496
DAD-0002	817	736.63	737.55	100	0	0	0	0	0	0	0	2200	2356	14.4816
DAD-0002	818	737.55	738.46	99.3751	1	0	0	0	0	0	0	2198	2350	15.49313
DAD-0002	819	738.46	739.38	100	0	0	0	0	0	0	0	2196	2350	6.098684
DAD-0002	820	739.38	740.29	100	0	0	0	0	0	0	0	2196	2356	13.54695
DAD-0002	821	740.29	741.21	100	0	0	0	0	0	0	0	2200	2352	12.69386
DAD-0002	822	741.21	742.12	100	0	0	0	0	0	0	0	2198	2352	15.02488
DAD-0002	823	742.12	743.04	100	0	0	0	0	0	0	0	2198	2344	17.36139
DAD-0002	824	743.04	743.95	100	0	0	0	0	0	0	0	2196	2352	23.13488
DAD-0002	825	743.95	744.85	100	0	0	0	0	0	0	0	2196	2352	19.93138
DAD-0002	826	744.85	745.75	100	0	0	0	0	0	0	0	2196	2350	17.61547
DAD-0002	827	745.75	746.65	100	0	0	0	0	0	0	0	2194	2348	10.76318
DAD-0002	828	746.65	747.55	100	0	0	0	0	0	0	0	2196	2346	20.80389
DAD-0002	829	747.55	748.45	100	0	0	0	0	0	0	0	2194	2344	14.65834
DAD-0002	830	748.45	749.35	100	0	0	0	0	0	0	0	2194	2346	18.16374
DAD-0002	831	749.35	750.25	100	0	0	0	0	0	0	0	2194	2346	20.41995
DAD-0002	832	750.25	751.19	100	0	0	0	0	0	0	0	2196	2350	7.906424
DAD-0002	833	751.19	752.12	100	0	0	0	0	0	0	0	2194	2344	7.815299
DAD-0002	834	752.12	753.06	100	0	0	0	0	0	0	0	2194	2348	9.986075
DAD-0002	835	753.06	753.99	100	0	0	0	0	0	0	0	2194	2348	17.00169
DAD-0002	836	753.99	754.93	100	0	0	0	0	0	0	0	2194	2350	22.42829
DAD-0002	837	754.93	755.86	100	0	0	0	0	0	0	0	2194	2350	26.8879
DAD-0002	838	755.86	756.8	100	0	0	0	0	0	0	0	2196	2352	15.72387
DAD-0002	839	756.8	757.7	100	0	0	0	0	0	0	0	2194	2350	6.731896
DAD-0002	840	757.7	758.6	100	0	0	0	0	0	0	0	2194	2350	20.03983
DAD-0002	841	758.6	759.5	100	0	0	0	0	0	0	0	2194	2350	16.14828
DAD-0002	842	759.5	760.4	61.1805	2	37	0	0	0	0	0	2202	2354	27.96955
DAD-0002	843	760.4	761.3	100	0	0	0	0	0	0	0	2194	2348	20.2836
DAD-0002	844	761.3	762.2	63.9881	1	35	0	0	0	0	0	2202	2350	27.96574
DAD-0002	845	762.2	763.1	41.18	1	58	0	0	0	0	0	2204	2352	28.67593
DAD-0002	846	763.1	764.01	41.18	1	58	0	0	0	0	0	2204	2352	28.67593
DAD-0002	847	764.01	764.91	67.927	0	32	0	0	0	0	0	2202	2350	10.74574
DAD-0002	848	764.91	765.82	100	0	0	0	0	0	0	0	2194	2348	19.20993

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0002	849	765.82	766.73	61.1702	1	38	0	0	0	0	0	2202	2344	20.31331
DAD-0002	850	766.73	767.64	41.6593	1	57	0	0	0	0	0	2204	2354	28.37509
DAD-0002	851	767.64	768.54	40.98	1	58	0	0	0	0	0	2204	2352	24.3435
DAD-0002	852	768.54	769.45	41.4329	2	57	0	0	0	0	0	2204	2350	32.64006
DAD-0002	853	769.45	770.39	41.2798	1	58	0	0	0	0	0	2204	2352	35.65426
DAD-0002	854	770.39	771.32	45.8998	1	53	0	0	0	0	0	2204	2354	33.78708
DAD-0002	855	771.32	772.26	46.0899	1	53	0	0	0	0	0	2204	2354	27.96311
DAD-0002	856	772.26	773.19	80.3931	0	20	0	0	0	0	0	2202	2350	19.30299
DAD-0002	857	773.19	774.13	48.6465	0	51	0	0	0	0	0	2204	2354	17.26983
DAD-0002	858	774.13	775.06	38.6864	1	61	0	0	0	0	0	2204	2352	31.25625
DAD-0002	859	775.06	776	41.4951	1	57	0	0	0	0	0	2204	2350	35.6909
DAD-0002	860	776	776.91	44.2126	1	55	0	0	0	0	0	2204	2350	27.19304
DAD-0002	861	776.91	777.81	39.2434	2	59	0	0	0	0	0	2204	2350	33.47423
DAD-0002	862	777.81	778.72	43.2583	1	55	0	0	0	0	0	2204	2352	34.24243
DAD-0002	863	778.72	779.63	37.7057	1	61	0	0	0	0	0	2204	2352	29.55049
DAD-0002	864	779.63	780.54	28.7555	1	70	0	0	0	0	0	2204	2352	36.98459
DAD-0002	865	780.54	781.44	34.7297	1	65	0	0	0	0	0	2204	2352	30.51873
DAD-0002	866	781.44	782.35	46.6348	0	53	0	0	0	0	0	2204	2352	4.897055
DAD-0002	867	782.35	783.29	39.6642	2	59	0	0	0	0	0	2204	2352	27.61064
DAD-0002	868	783.29	784.24	43.7049	6	50	0	0	0	0	0	2204	2356	10.42243
DAD-0002	869	784.24	785.18	41.3504	2	57	0	0	0	0	0	2204	2352	26.46394
DAD-0002	870	785.18	786.12	50.8706	2	47	0	0	0	0	0	2204	2352	25.19362
DAD-0002	871	786.12	787.06	58.2096	1	41	0	0	0	0	0	2204	2352	15.89625
DAD-0002	872	787.06	788.01	54.9711	0	45	0	0	0	0	0	2204	2352	31.68672
DAD-0002	873	788.01	788.95	100	0	0	0	0	0	0	0	2196	2350	24.25274
DAD-0002	874	788.95	789.9	100	0	0	0	0	0	0	0	2196	2350	8.458851
DAD-0002	875	789.9	790.85	100	0	0	0	0	0	0	0	2198	2350	17.36027
DAD-0002	876	790.85	791.7	67.7311	2	31	0	0	0	0	0	2202	2350	24.3685
DAD-0002	877	791.7	792.65	46.4463	1	52	0	0	0	0	0	2204	2350	30.1207
DAD-0002	878	792.65	793.7	31.2431	2	67	0	0	0	0	0	2204	2350	41.5205
DAD-0002	879	793.7	794	40.9972	2	57	0	0	0	0	0	2204	2354	31.43061
DAD-0003	000	0	0.01											
DAD-0003	001	0.01	1.06	100	0	0	0	0	0	0	0	2198	0	19.35126
DAD-0003	002	1.06	2.11	100	0	0	0	0	0	0	0	2198	0	16.36834
DAD-0003	003	2.11	3.16	100	0	0	0	0	0	0	0	2198	0	49.70963
DAD-0003	004	3.16	4.2	98.7432	0	0	0	0	1	0	0	2202	0	5.776225
DAD-0003	005	4.2	5.25	100	0	0	0	0	0	0	0	2200	0	40.95653
DAD-0003	006	5.25	6.3	100	0	0	0	0	0	0	0	2198	0	25.64097
DAD-0003	007	6.3	7.21	100	0	0	0	0	0	0	0	2200	0	22.59144
DAD-0003	008	7.21	8.11	33.5798	0	0	0	60	6	0	0	2206	0	19.28101
DAD-0003	009	8.11	9.02	22.4466	54	0	23.77358	0	0	0	0	2206	0	72.25333
DAD-0003	010	9.02	9.93	100	0	0	0	0	0	0	0	2214	0	8.335849
DAD-0003	011	9.93	10.84	35.1308	0	0	0	57	8	0	0	2206	0	12.44929
DAD-0003	012	10.84	11.74	15.0744	23	0	0	62	0	0	0	2206	0	31.48291
DAD-0003	013	11.74	12.65	87.2385	0	0	0	0	13	0	0	2206	0	11.04139
DAD-0003	014	12.65	14.22	57.0715	43	0	0	0	0	0	0	2208	2346	2.269906
DAD-0003	015	14.22	15.79	100	0	0	0	0	0	0	0	2208	0	7.674964
DAD-0003	016	15.79	17.36	18.7725	81	0	0	0	0	0	0	2206	2346	2.260787
DAD-0003	017	17.36	18.94	0	100	0	0	0	0	0	0	2204	0	2.178378

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0003	018	18.94	20.51	51.3785	49	0	0	0	0	0	0	2204	2346	1.50832
DAD-0003	019	20.51	22.08	36.85	63	0	0	0	0	0	0	2210	2336	1.705684
DAD-0003	020	22.08	23.65	100	0	0	0	0	0	0	0	2202	0	30.64625
DAD-0003	021	23.65	24.56	95.9535	4	0	0	0	0	0	0	2200	0	22.88549
DAD-0003	022	24.56	25.46	74.1876	26	0	0	0	0	0	0	2200	2342	6.530768
DAD-0003	023	25.46	26.37	100	0	0	0	0	0	0	0	2196	2346	35.35382
DAD-0003	024	26.37	27.28	98.7721	1	0	0	0	0	0	0	2198	2346	37.75196
DAD-0003	025	27.28	28.19	98.6418	1	0	0	0	0	0	0	2196	0	32.94361
DAD-0003	026	28.19	29.09	99.7208	0	0	0	0	0	0	0	2198	0	22.11435
DAD-0003	027	29.09	30	100	0	0	0	0	0	0	0	2196	0	16.33639
DAD-0003	028	30	30.86	100	0	0	0	0	0	0	0	2198	0	21.27669
DAD-0003	029	30.86	31.71	84.9081	15	0	0	0	0	0	0	2198	0	21.19346
DAD-0003	030	31.71	32.57	100	0	0	0	0	0	0	0	2196	2344	11.75441
DAD-0003	031	32.57	33.43	88.1653	0	0	0	0	12	0	0	2196	0	10.66196
DAD-0003	032	33.43	34.29	98.889	1	0	0	0	0	0	0	2196	2344	28.14282
DAD-0003	033	34.29	35.14	73.5214	26	0	0	0	0	0	0	2200	0	21.62348
DAD-0003	034	35.14	36	86.9538	13	0	0	0	0	0	0	2194	2346	23.51878
DAD-0003	035	36	36.87	89.441	11	0	0	0	0	0	0	2194	0	27.47939
DAD-0003	036	36.87	37.74	100	0	0	0	0	0	0	0	2194	2346	8.852061
DAD-0003	037	37.74	38.61	100	0	0	0	0	0	0	0	2196	2346	17.22582
DAD-0003	038	38.61	39.49	86.8074	13	0	0	0	0	0	0	2194	2346	28.01389
DAD-0003	039	39.49	40.36	86.2111	14	0	0	0	0	0	0	2196	2346	11.88215
DAD-0003	040	40.36	41.23	80.0315	20	0	0	0	0	0	0	2194	2346	9.331284
DAD-0003	041	41.23	42.1	97.6057	2	0	0	0	0	0	0	2194	2344	24.13371
DAD-0003	042	42.1	43	66.7661	33	0	0	0	0	0	0	2196	2346	7.137803
DAD-0003	043	43	43.9	82.165	18	0	0	0	0	0	0	2198	2346	23.99309
DAD-0003	044	43.9	44.8	100	0	0	0	0	0	0	0	2194	2346	15.0607
DAD-0003	045	44.8	45.7	100	0	0	0	0	0	0	0	2196	0	7.859151
DAD-0003	046	45.7	46.6	95.1049	5	0	0	0	0	0	0	2196	0	27.63084
DAD-0003	047	46.6	47.5	100	0	0	0	0	0	0	0	2196	0	23.43523
DAD-0003	048	47.5	48.4	84.3313	16	0	0	0	0	0	0	2196	2344	24.63941
DAD-0003	049	48.4	49.3	83.6163	16	0	0	0	0	0	0	2200	2342	14.30734
DAD-0003	050	49.3	50.2	82.301	18	0	0	0	0	0	0	2204	0	13.00332
DAD-0003	051	50.2	51.1	58.5503	0	41	0	0	0	0	0	2204	0	19.59381
DAD-0003	052	51.1	52	64.5789	0	35	0	0	0	0	0	2204	0	5.538624
DAD-0003	053	52	52.9	59.7255	0	40	0	0	0	0	0	2204	0	24.5615
DAD-0003	054	52.9	53.8	50.1912	0	50	0	0	0	0	0	2206	0	14.10553
DAD-0003	055	53.8	54.7	39.5875	0	60	0	0	0	0	0	2206	0	11.62529
DAD-0003	056	54.7	55.56	8.67147	0	82	0	0	9	0	0	2206	0	6.727226
DAD-0003	057	55.56	56.43	58.5287	21	21	0	0	0	0	0	2202	0	30.96484
DAD-0003	058	56.43	57.29	83.0293	17	0	0	0	0	0	0	2198	0	24.79656
DAD-0003	059	57.29	58.16	95.7474	4	0	0	0	0	0	0	2198	2346	24.94952
DAD-0003	060	58.16	59.02	100	0	0	0	0	0	0	0	2198	2346	22.0018
DAD-0003	061	59.02	59.89	99.7808	0	0	0	0	0	0	0	2198	0	31.83596
DAD-0003	062	59.89	60.75	76.6184	23	0	0	0	0	0	0	2198	0	9.094938
DAD-0003	063	60.75	61.66	100	0	0	0	0	0	0	0	2198	2346	21.08209
DAD-0003	064	61.66	62.58	100	0	0	0	0	0	0	0	2198	2346	16.5584
DAD-0003	065	62.58	63.49	90.9615	0	0	0	0	9	0	0	2198	0	12.95019
DAD-0003	066	63.49	64.41	92.0733	8	0	0	0	0	0	0	2198	0	25.30379

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0003	067	64.41	65.32	100	0	0	0	0	0	0	0	2200	2346	30.18441
DAD-0003	068	65.32	66.24	89.3742	0	0	0	0	11	0	0	2198	2342	13.94323
DAD-0003	069	66.24	67.15	92.8564	0	0	0	0	7	0	0	2198	0	10.14647
DAD-0003	070	67.15	68	100	0	0	0	0	0	0	0	2198	0	18.52704
DAD-0003	071	68	68.85	100	0	0	0	0	0	0	0	2198	0	12.52605
DAD-0003	072	68.85	69.7	0	0	0	0	0	100	0	0	2196	2346	4.31943
DAD-0003	073	69.7	70.55	81.4978	0	0	0	0	19	0	0	2202	2342	4.609035
DAD-0003	074	70.55	71.4	100	0	0	0	0	0	0	0	2196	2342	3.976545
DAD-0003	075	71.4	72.25	100	0	0	0	0	0	0	0	2198	0	9.092154
DAD-0003	076	72.25	73.1	82.9691	0	0	0	0	17	0	0	2194	0	5.94409
DAD-0003	077	73.1	73.94	56.2385	44	0	0	0	0	0	0	2200	0	9.780244
DAD-0003	078	73.94	74.79	95.5167	0	0	0	0	4	0	0	2198	0	20.82874
DAD-0003	079	74.79	75.63	82.2029	0	0	0	0	18	0	0	2200	2346	10.01694
DAD-0003	080	75.63	76.47	100	0	0	0	0	0	0	0	2196	2346	19.06009
DAD-0003	081	76.47	77.31	82.114	0	0	0	0	18	0	0	2198	2346	6.1177
DAD-0003	082	77.31	78.16	100	0	0	0	0	0	0	0	2198	0	27.22022
DAD-0003	083	78.16	79	100	0	0	0	0	0	0	0	2198	2344	23.93777
DAD-0003	084	79	79.87	100	0	0	0	0	0	0	0	2196	0	18.25117
DAD-0003	085	79.87	80.75	100	0	0	0	0	0	0	0	2200	0	23.69054
DAD-0003	086	80.75	81.62	100	0	0	0	0	0	0	0	2198	2346	28.56067
DAD-0003	087	81.62	82.5	100	0	0	0	0	0	0	0	2198	0	6.795276
DAD-0003	088	82.5	83	82.6857	0	0	0	0	17	0	0	2200	2346	9.386463
DAD-0004	000	0	0.01											
DAD-0004	001	0.01	0.96	88.9727	0	0	0	0	11	0	0	2204	0	5.61
DAD-0004	002	0.96	1.91	100	0	0	0	0	0	0	0	2200	0	43.43
DAD-0004	003	1.91	2.86	100	0	0	0	0	0	0	0	2200	0	35.2
DAD-0004	004	2.86	3.8	100	0	0	0	0	0	0	0	2198	0	36.42
DAD-0004	005	3.8	4.75	100	0	0	0	0	0	0	0	2198	0	34.68
DAD-0004	006	4.75	5.7	100	0	0	0	0	0	0	0	2198	0	30.43
DAD-0004	007	5.7	6.6	95.6107	4	0	0	0	0	0	0	2198	0	36.33
DAD-0004	008	6.6	7.5	98.2886	2	0	0	0	0	0	0	2198	2346	25.77
DAD-0004	009	7.5	8.4	87.8635	12	0	0	0	0	0	0	2198	2346	22.93
DAD-0004	010	8.4	9.3	100	0	0	0	0	0	0	0	2198	2344	17.49
DAD-0004	011	9.3	10.2	82.4548	0	0	0	0	18	0	0	2198	0	5.35
DAD-0004	012	10.2	11.1	100	0	0	0	0	0	0	0	2196	0	20.06
DAD-0004	013	11.1	12	83.855	16	0	0	0	0	0	0	2198	0	11.05
DAD-0004	014	12	12.86	93.9041	6	0	0	0	0	0	0	2198	2346	10.38
DAD-0004	015	12.86	13.71	74.9539	25	0	0	0	0	0	0	2196	0	17.51
DAD-0004	016	13.71	14.57	100	0	0	0	0	0	0	0	2196	2346	37.59
DAD-0004	017	14.57	15.43	100	0	0	0	0	0	0	0	2198	2346	18.31
DAD-0004	018	15.43	16.29	100	0	0	0	0	0	0	0	2196	2346	29.57
DAD-0004	019	16.29	17.14	85.96	14	0	0	0	0	0	0	2196	2344	24.94
DAD-0004	020	17.14	18	62.0371	38	0	0	0	0	0	0	2198	2346	23.33
DAD-0004	021	18	18.86	100	0	0	0	0	0	0	0	2196	0	16.01
DAD-0004	022	18.86	19.71	100	0	0	0	0	0	0	0	2196	0	16.01
DAD-0004	023	19.71	20.57	71.8882	28	0	0	0	0	0	0	2196	2346	16.44
DAD-0004	024	20.57	21.43	100	0	0	0	0	0	0	0	2196	0	13.06
DAD-0004	025	21.43	22.29	100	0	0	0	0	0	0	0	2196	2346	16.72
DAD-0004	026	22.29	23.14	62.3154	38	0	0	0	0	0	0	2196	2346	8.85

Appendix da98-06 Pima Minspec Drill

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0004	027	23.14	24	62.3154	38	0	0	0	0	0	0	2196	2346	8.85
DAD-0004	028	24	24.86	81.097	19	0	0	0	0	0	0	2194	2346	21.22
DAD-0004	029	24.86	25.71	84.8974	15	0	0	0	0	0	0	2196	2346	14.46
DAD-0004	030	25.71	26.57	87.0166	0	0	0	0	13	0	0	2196	0	8.17
DAD-0004	031	26.57	27.43	54.8589	45	0	0	0	0	0	0	2196	2340	10.82
DAD-0004	032	27.43	28.29	74.8401	25	0	0	0	0	0	0	2198	0	9.49
DAD-0004	033	28.29	29.14	83.8396	16	0	0	0	0	0	0	2198	2346	28.79
DAD-0004	034	29.14	30	83.8396	16	0	0	0	0	0	0	2198	2346	28.79
DAD-0004	035	30	30.86	68.327	32	0	0	0	0	0	0	2206	0	6.27
DAD-0004	036	30.86	31.71	78.5367	21	0	0	0	0	0	0	2204	0	6.72
DAD-0004	037	31.71	32.57	71.6179	28	0	0	0	0	0	0	2202	2344	7.02
DAD-0004	038	32.57	33.43	71.5752	28	0	0	0	0	0	0	2220	2344	7.21
DAD-0004	039	33.43	34.29	74.9819	25	0	0	0	0	0	0	2198	2344	9.78
DAD-0004	040	34.29	35.14	91.1132	9	0	0	0	0	0	0	2202	2346	23.52
DAD-0004	041	35.14	36	100	0	0	0	0	0	0	0	2202	2346	15.54
DAD-0004	042	36	36.86	86.8446	13	0	0	0	0	0	0	2196	2346	24.12
DAD-0004	043	36.86	37.71	87.5592	12	0	0	0	0	0	0	2196	2346	23.58
DAD-0004	044	37.71	38.57	81.28	19	0	0	0	0	0	0	2198	2344	9.67
DAD-0004	045	38.57	39.43	89.2271	11	0	0	0	0	0	0	2200	0	10.49
DAD-0004	046	39.43	40.29	100	0	0	0	0	0	0	0	2196	2346	23.69
DAD-0004	047	40.29	41.14	100	0	0	0	0	0	0	0	2196	2346	36.4
DAD-0004	048	41.14	42	100	0	0	0	0	0	0	0	2194	2344	20.4
DAD-0004	049	42	42.9	61.7288	38	0	0	0	0	0	0	2198	2344	10.57
DAD-0004	050	42.9	43.8	100	0	0	0	0	0	0	0	2196	2346	41.68
DAD-0004	051	43.8	44.7	100	0	0	0	0	0	0	0	2196	2346	7.13
DAD-0004	052	44.7	45.6	91.3711	9	0	0	0	0	0	0	2196	2344	25.75
DAD-0004	053	45.6	46.5	100	0	0	0	0	0	0	0	2196	2342	11.32
DAD-0004	054	46.5	47.4	96.704	3	0	0	0	0	0	0	2196	0	23.71
DAD-0004	055	47.4	48.3	77.2992	23	0	0	0	0	0	0	2196	2346	18.93
DAD-0004	056	48.3	49.14	100	0	0	0	0	0	0	0	2196	2344	22.27
DAD-0004	057	49.14	49.99	100	0	0	0	0	0	0	0	2194	2344	7.6
DAD-0004	058	49.99	50.83	100	0	0	0	0	0	0	0	2196	0	24.59
DAD-0004	059	50.83	51.67	79.4366	21	0	0	0	0	0	0	2196	0	24.02
DAD-0004	060	51.67	52.51	100	0	0	0	0	0	0	0	2198	2346	16.65
DAD-0004	061	52.51	53.36	100	0	0	0	0	0	0	0	2196	2346	12.64
DAD-0004	062	53.36	54.2	66.7723	33	0	0	0	0	0	0	2198	2346	15.93
DAD-0004	063	54.2	55.1	100	0	0	0	0	0	0	0	2196	2346	19.07
DAD-0004	064	55.1	56	88.1865	0	0	0	0	12	0	0	2194	0	21.41
DAD-0004	065	56	56.9	93.8156	6	0	0	0	0	0	0	2196	2346	25.18
DAD-0004	066	56.9	57.8	80.8139	0	0	0	0	19	0	0	2196	0	5.65
DAD-0004	067	57.8	58.7	81.9132	18	0	0	0	0	0	0	2198	2344	16.8
DAD-0004	068	58.7	59.6	65.9044	34	0	0	0	0	0	0	2196	2346	9.69
DAD-0004	069	59.6	60.5	100	0	0	0	0	0	0	0	2196	0	25.9
DAD-0004	070	60.5	61.49	100	0	0	0	0	0	0	0	2196	2346	23.63
DAD-0004	071	61.49	62.47	100	0	0	0	0	0	0	0	2196	2346	25.99
DAD-0004	072	62.47	63.46	100	0	0	0	0	0	0	0	2196	0	26.35
DAD-0004	073	63.46	64.44	98.237	2	0	0	0	0	0	0	2196	2346	26.97
DAD-0004	074	64.44	65.43	100	0	0	0	0	0	0	0	2196	2344	8.81
DAD-0004	075	65.43	66.41	100	0	0	0	0	0	0	0	2198	0	13.02

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0004	076	66.41	67.4	100	0	0	0	0	0	0	0	2198	0	16.82
DAD-0004	077	67.4	68.16	34.866	65	0	0	0	0	0	0	2200	0	5.65
DAD-0004	078	68.16	68.93	100	0	0	0	0	0	0	0	2198	0	20.6
DAD-0004	079	68.93	69.69	100	0	0	0	0	0	0	0	2196	0	12.57
DAD-0004	080	69.69	70.46	100	0	0	0	0	0	0	0	2198	0	27.47
DAD-0004	081	70.46	71.22	100	0	0	0	0	0	0	0	2200	0	12.24
DAD-0004	082	71.22	71.99	85.431	0	0	0	0	15	0	0	2196	0	8.48
DAD-0004	083	71.99	72.75	77.6759	22	0	0	0	0	0	0	2196	2346	14.02
DAD-0004	084	72.75	73.64	85.0523	0	0	0	0	15	0	0	2198	2344	8.35
DAD-0004	085	73.64	74.54	100	0	0	0	0	0	0	0	2196	2346	26.9
DAD-0004	086	74.54	75.43	98.293	2	0	0	0	0	0	0	2196	2346	15.09
DAD-0004	087	75.43	76.32	89.5805	10	0	0	0	0	0	0	2198	2346	11.31
DAD-0004	088	76.32	77.21	100	0	0	0	0	0	0	0	2196	2346	26.21
DAD-0004	089	77.21	78.11	60.4475	40	0	0	0	0	0	0	2198	0	4.64
DAD-0004	090	78.11	79	95.6856	4	0	0	0	0	0	0	2196	0	14.34
DAD-0004	091	79	79.86	50.4225	50	0	0	0	0	0	0	2196	0	4.68
DAD-0004	092	79.86	80.71	100	0	0	0	0	0	0	0	2198	0	28.86
DAD-0004	093	80.71	81.57	67.3519	33	0	0	0	0	0	0	2200	2346	7.66
DAD-0004	094	81.57	82.43	76.6958	23	0	0	0	0	0	0	2196	0	10.08
DAD-0004	095	82.43	83.29	100	0	0	0	0	0	0	0	2200	2346	15.32
DAD-0004	096	83.29	84.14	81.4602	19	0	0	0	0	0	0	2202	0	11.28
DAD-0004	097	84.14	85	98.0692	2	0	0	0	0	0	0	2196	0	23.61
DAD-0004	098	85	85.86	45.8711	54	0	0	0	0	0	0	2200	0	8.01
DAD-0004	099	85.86	86.71	100	0	0	0	0	0	0	0	2196	0	22.75
DAD-0004	100	86.71	87.57	100	0	0	0	0	0	0	0	2196	0	26.14
DAD-0004	101	87.57	88.43	100	0	0	0	0	0	0	0	2196	0	19.22
DAD-0004	102	88.43	89.29	100	0	0	0	0	0	0	0	2200	2346	10.63
DAD-0004	103	89.29	90.14	92.7078	0	0	0	0	7	0	0	2198	0	9.36
DAD-0004	104	90.14	91	86.8735	0	0	0	0	13	0	0	2198	0	12.33
DAD-0004	105	91	91.87	100	0	0	0	0	0	0	0	2196	2346	27.09
DAD-0004	106	91.87	92.74	100	0	0	0	0	0	0	0	2196	0	11.3
DAD-0004	107	92.74	93.61	100	0	0	0	0	0	0	0	2194	0	17.92
DAD-0004	108	93.61	94.49	100	0	0	0	0	0	0	0	2198	0	21.22
DAD-0004	109	94.49	95.36	100	0	0	0	0	0	0	0	2198	0	20.83
DAD-0004	110	95.36	96.23	100	0	0	0	0	0	0	0	2196	0	17.28
DAD-0004	111	96.23	97.1	100	0	0	0	0	0	0	0	2198	2344	19.51
DAD-0004	112	97.1	97.94	97.0805	3	0	0	0	0	0	0	2196	2346	23.73
DAD-0004	113	97.94	98.79	60.1457	40	0	0	0	0	0	0	2198	2344	7.33
DAD-0004	114	98.79	99.63	92.7227	7	0	0	0	0	0	0	2198	2344	17.31
DAD-0004	115	99.63	100.47	98.1437	2	0	0	0	0	0	0	2200	0	23.93
DAD-0004	116	100.47	101.31	98.9731	1	0	0	0	0	0	0	2194	2346	21.04
DAD-0004	117	101.31	102.16	100	0	0	0	0	0	0	0	2196	2346	24.31
DAD-0004	118	102.16	103	93.5374	6	0	0	0	0	0	0	2196	2346	15.2
DAD-0004	119	103	103.91	100	0	0	0	0	0	0	0	2196	2346	30.19
DAD-0004	120	103.91	104.81	41.6393	58	0	0	0	0	0	0	2198	2344	4.95
DAD-0004	121	104.81	105.72	100	0	0	0	0	0	0	0	2198	2342	7.15
DAD-0004	122	105.72	106.63	100	0	0	0	0	0	0	0	2194	2344	23.27
DAD-0004	123	106.63	107.54	96.9191	3	0	0	0	0	0	0	2196	2344	20.22
DAD-0004	124	107.54	108.44	98.7151	1	0	0	0	0	0	0	2196	2346	13.81

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0004	125	108.44	109.35	87.1652	13	0	0	0	0	0	0	2196	2346	20.76
DAD-0004	126	109.35	110.23	60.6784	39	0	0	0	0	0	0	2196	0	9.69
DAD-0004	127	110.23	111.11	88.5907	0	0	0	0	11	0	0	2198	2344	15.77
DAD-0004	128	111.11	111.99	86.0443	14	0	0	0	0	0	0	2196	0	19.98
DAD-0004	129	111.99	112.86	100	0	0	0	0	0	0	0	2200	2340	12.12
DAD-0004	130	112.86	113.74	100	0	0	0	0	0	0	0	2196	2346	19.79
DAD-0004	131	113.74	114.62	94.8096	5	0	0	0	0	0	0	2196	2346	17.41
DAD-0004	132	114.62	115.5	67.9688	32	0	0	0	0	0	0	2196	2342	3.78
DAD-0004	133	115.5	116.41	86.4477	0	0	0	0	14	0	0	2198	0	7.67
DAD-0004	134	116.41	117.31	82.1949	18	0	0	0	0	0	0	2196	2346	22.93
DAD-0004	135	117.31	118.22	100	0	0	0	0	0	0	0	2212	0	4.8
DAD-0004	136	118.22	119.13	68.5511	31	0	0	0	0	0	0	2196	2346	4.88
DAD-0004	137	119.13	120.04	100	0	0	0	0	0	0	0	2196	2346	32.3
DAD-0004	138	120.04	120.94	75.3329	25	0	0	0	0	0	0	2194	2346	3.2
DAD-0004	139	120.94	121.85	97.8122	2	0	0	0	0	0	0	2196	2346	16.52
DAD-0004	140	121.85	122.71	70.2145	30	0	0	0	0	0	0	2196	2346	5.51
DAD-0004	141	122.71	123.58	70.8956	29	0	0	0	0	0	0	2194	0	7.49
DAD-0004	142	123.58	124.44	72.2677	28	0	0	0	0	0	0	2196	0	7.13
DAD-0004	143	124.44	125.31	99.7194	0	0	0	0	0	0	0	2196	0	15.5
DAD-0004	144	125.31	126.17	100	0	0	0	0	0	0	0	2196	2346	18.92
DAD-0004	145	126.17	127.04	100	0	0	0	0	0	0	0	2196	0	18.46
DAD-0004	146	127.04	127.9	62.6934	37	0	0	0	0	0	0	2196	0	5.56
DAD-0004	147	127.9	128.76	100	0	0	0	0	0	0	0	2198	0	20.06
DAD-0004	148	128.76	129.61	76.4151	24	0	0	0	0	0	0	2196	2346	21.32
DAD-0004	149	129.61	130.47	81.9768	0	0	0	0	18	0	0	2198	0	8.15
DAD-0004	150	130.47	131.33	100	0	0	0	0	0	0	0	2196	2346	18.24
DAD-0004	151	131.33	132.19	100	0	0	0	0	0	0	0	2194	0	14.06
DAD-0004	152	132.19	133.04	100	0	0	0	0	0	0	0	2216	2346	19.69
DAD-0004	153	133.04	133.9	100	0	0	0	0	0	0	0	2208	2344	23.37
DAD-0004	154	133.9	134.75	100	0	0	0	0	0	0	0	2198	0	15.43
DAD-0004	155	134.75	135.6	97.2995	3	0	0	0	0	0	0	2196	2342	17.9
DAD-0004	156	135.6	136.45	100	0	0	0	0	0	0	0	2196	2344	4.79
DAD-0004	157	136.45	137.3	91.9495	8	0	0	0	0	0	0	2196	0	14.1
DAD-0004	158	137.3	138.15	100	0	0	0	0	0	0	0	2196	2346	23.65
DAD-0004	159	138.15	139	96.9004	3	0	0	0	0	0	0	2196	2346	24.28
DAD-0004	160	139	139.85	92.1697	8	0	0	0	0	0	0	2196	2344	17.36
DAD-0004	161	139.85	140.75	90.3021	10	0	0	0	0	0	0	2198	0	13.72
DAD-0004	162	140.75	141.64	86.8183	0	0	0	0	13	0	0	2196	0	9.24
DAD-0004	163	141.64	142.54	100	0	0	0	0	0	0	0	2196	0	32.67
DAD-0004	164	142.54	143.44	100	0	0	0	0	0	0	0	2196	2340	10.15
DAD-0004	165	143.44	144.34	100	0	0	0	0	0	0	0	2196	2346	13.66
DAD-0004	166	144.34	145.23	100	0	0	0	0	0	0	0	2196	0	16.45
DAD-0004	167	145.23	146.13	100	0	0	0	0	0	0	0	2198	0	27.77
DAD-0004	168	146.13	146.97	98.6266	1	0	0	0	0	0	0	2196	2346	27.9
DAD-0004	169	146.97	147.81	100	0	0	0	0	0	0	0	2196	0	22.75
DAD-0004	170	147.81	148.65	100	0	0	0	0	0	0	0	2196	0	4.26
DAD-0004	171	148.65	149.48	100	0	0	0	0	0	0	0	2196	0	21.36
DAD-0004	172	149.48	150.32	93.4336	0	0	0	0	7	0	0	2196	0	14.47
DAD-0004	173	150.32	151.16	100	0	0	0	0	0	0	0	2196	0	22.14

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0004	174	151.16	152	100	0	0	0	0	0	0	0	2196	2346	32.15
DAD-0004	175	152	152.9	99.5615	0	0	0	0	0	0	0	2196	2346	19.38
DAD-0004	176	152.9	153.8	100	0	0	0	0	0	0	0	2194	2342	23.53
DAD-0004	177	153.8	154.7	100	0	0	0	0	0	0	0	2196	0	23.83
DAD-0004	178	154.7	155.6	100	0	0	0	0	0	0	0	2196	2346	20.04
DAD-0004	179	155.6	156.5	100	0	0	0	0	0	0	0	2196	2346	27.18
DAD-0004	180	156.5	157.4	88.5988	11	0	0	0	0	0	0	2196	2344	25.88
DAD-0004	181	157.4	158.3	100	0	0	0	0	0	0	0	2196	0	23.73
DAD-0004	182	158.3	159.17	100	0	0	0	0	0	0	0	2194	2346	25.13
DAD-0004	183	159.17	160.04	100	0	0	0	0	0	0	0	2196	2346	24.45
DAD-0004	184	160.04	160.91	100	0	0	0	0	0	0	0	2196	2346	18.79
DAD-0004	185	160.91	161.79	76.642	23	0	0	0	0	0	0	2196	2346	11.75
DAD-0004	186	161.79	162.66	98.9645	1	0	0	0	0	0	0	2196	2346	25.88
DAD-0004	187	162.66	163.53	100	0	0	0	0	0	0	0	2194	2346	33.81
DAD-0004	188	163.53	164.4	100	0	0	0	0	0	0	0	2194	0	26.36
DAD-0004	189	164.4	165.31	100	0	0	0	0	0	0	0	2196	0	21.67
DAD-0004	190	165.31	166.21	100	0	0	0	0	0	0	0	2196	0	28.78
DAD-0004	191	166.21	167.12	100	0	0	0	0	0	0	0	2196	0	28.58
DAD-0004	192	167.12	168.03	100	0	0	0	0	0	0	0	2196	2346	25.7
DAD-0004	193	168.03	168.94	100	0	0	0	0	0	0	0	2196	0	29.27
DAD-0004	194	168.94	169.84	90.9442	9	0	0	0	0	0	0	2198	2346	14.42
DAD-0004	195	169.84	170.75	100	0	0	0	0	0	0	0	2198	2344	32.39
DAD-0004	196	170.75	171.64	87.6098	12	0	0	0	0	0	0	2196	0	18.87
DAD-0004	197	171.64	172.54	100	0	0	0	0	0	0	0	2196	2346	11.44
DAD-0004	198	172.54	173.43	100	0	0	0	0	0	0	0	2196	0	32.54
DAD-0004	199	173.43	174.32	75.484	25	0	0	0	0	0	0	2196	0	6.9
DAD-0004	200	174.32	175.21	87.8361	12	0	0	0	0	0	0	2196	2346	11.39
DAD-0004	201	175.21	176.11	91.6559	8	0	0	0	0	0	0	2196	2346	21.6
DAD-0004	202	176.11	177	81.9796	18	0	0	0	0	0	0	2196	0	20.84
DAD-0004	203	177	177.86	100	0	0	0	0	0	0	0	2196	2346	27.18
DAD-0004	204	177.86	178.71	98.212	2	0	0	0	0	0	0	2198	2346	18.22
DAD-0004	205	178.71	179.57	78.415	22	0	0	0	0	0	0	2198	2346	14.64
DAD-0004	206	179.57	180.43	100	0	0	0	0	0	0	0	2196	2344	11.36
DAD-0004	207	180.43	181.29	100	0	0	0	0	0	0	0	2198	2346	21.46
DAD-0004	208	181.29	182.14	100	0	0	0	0	0	0	0	2198	0	18.42
DAD-0004	209	182.14	183	100	0	0	0	0	0	0	0	2196	0	11.6
DAD-0004	210	183	183.88	100	0	0	0	0	0	0	0	2196	2344	25.25
DAD-0004	211	183.88	184.75	0	0	0	0	0	100	0	0	2200	2342	3.31
DAD-0004	212	184.75	185.63	100	0	0	0	0	0	0	0	2196	0	25.8
DAD-0004	213	185.63	186.5	100	0	0	0	0	0	0	0	2196	0	11.92
DAD-0004	214	186.5	187.38	87.9835	0	0	0	0	12	0	0	2196	0	10.28
DAD-0004	215	187.38	188.25	100	0	0	0	0	0	0	0	2196	2344	15.81
DAD-0004	216	188.25	189.13	100	0	0	0	0	0	0	0	2196	2346	29.42
DAD-0004	217	189.13	190	90.0372	10	0	0	0	0	0	0	2196	2346	21.86
DAD-0004	218	190	190.86	100	0	0	0	0	0	0	0	2198	0	19.29
DAD-0004	219	190.86	191.73	87.0556	13	0	0	0	0	0	0	2196	2346	12.78
DAD-0004	220	191.73	192.6	100	0	0	0	0	0	0	0	2196	2346	21.68
DAD-0004	221	192.6	193.47	100	0	0	0	0	0	0	0	2196	2346	23.42
DAD-0004	222	193.47	194.33	100	0	0	0	0	0	0	0	2196	2346	19.1

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0004	223	194.33	195.2	100	0	0	0	0	0	0	0	2196	2346	31.56
DAD-0004	224	195.2	196.06	100	0	0	0	0	0	0	0	2194	2346	19.15
DAD-0004	225	196.06	196.91	100	0	0	0	0	0	0	0	2194	2346	33.18
DAD-0004	226	196.91	197.77	100	0	0	0	0	0	0	0	2194	0	36.47
DAD-0004	227	197.77	198.63	100	0	0	0	0	0	0	0	2194	2346	34.71
DAD-0004	228	198.63	199.49	100	0	0	0	0	0	0	0	2194	2346	27.82
DAD-0004	229	199.49	200.34	100	0	0	0	0	0	0	0	2196	0	6.92
DAD-0004	230	200.34	201.2	73.5226	26	0	0	0	0	0	0	2194	2346	8.08
DAD-0004	231	201.2	202.09	79.7022	20	0	0	0	0	0	0	2196	2342	10.59
DAD-0004	232	202.09	202.99	100	0	0	0	0	0	0	0	2196	2346	31.33
DAD-0004	233	202.99	203.88	100	0	0	0	0	0	0	0	2198	2344	17.37
DAD-0004	234	203.88	204.77	63.0155	0	37	0	0	0	0	0	2202	2342	22.24
DAD-0004	235	204.77	205.66	100	0	0	0	0	0	0	0	2198	2346	33.64
DAD-0004	236	205.66	206.56	100	0	0	0	0	0	0	0	2198	2346	28.09
DAD-0004	237	206.56	207.45	100	0	0	0	0	0	0	0	2198	2346	21.81
DAD-0004	238	207.45	208.32	100	0	0	0	0	0	0	0	2196	2346	35.9
DAD-0004	239	208.32	209.19	98.1017	2	0	0	0	0	0	0	2198	2346	22.63
DAD-0004	240	209.19	210.06	100	0	0	0	0	0	0	0	2198	2346	27.17
DAD-0004	241	210.06	210.94	100	0	0	0	0	0	0	0	2202	2342	26.2
DAD-0004	242	210.94	211.81	96.2035	4	0	0	0	0	0	0	2200	2346	10.06
DAD-0004	243	211.81	212.68	100	0	0	0	0	0	0	0	2200	2346	17.44
DAD-0004	244	212.68	213.55	100	0	0	0	0	0	0	0	2198	2346	25.65
DAD-0004	245	213.55	214.44	100	0	0	0	0	0	0	0	2198	2346	23.32
DAD-0004	246	214.44	215.33	100	0	0	0	0	0	0	0	2196	0	35.62
DAD-0004	247	215.33	216.22	100	0	0	0	0	0	0	0	2198	2346	30.72
DAD-0004	248	216.22	217.11	100	0	0	0	0	0	0	0	2196	0	34.1
DAD-0004	249	217.11	218	100	0	0	0	0	0	0	0	2202	0	22.95
DAD-0004	250	218	218.88	68.1333	32	0	0	0	0	0	0	2200	2344	5.78
DAD-0004	251	218.88	219.75	71.3246	29	0	0	0	0	0	0	2204	0	4.56
DAD-0004	252	219.75	220.63	100	0	0	0	0	0	0	0	2198	2346	25.68
DAD-0004	253	220.63	221.5	85.3093	15	0	0	0	0	0	0	2206	2344	5.09
DAD-0004	254	221.5	222.38	70.9335	29	0	0	0	0	0	0	2198	0	5.42
DAD-0004	255	222.38	223.25	100	0	0	0	0	0	0	0	2200	2344	15.65
DAD-0004	256	223.25	224.13	100	0	0	0	0	0	0	0	2196	0	16.7
DAD-0004	257	224.13	225	100	0	0	0	0	0	0	0	2198	0	22.32
DAD-0004	258	225	225.88	97.4107	3	0	0	0	0	0	0	2194	0	10.3
DAD-0004	259	225.88	226.75	100	0	0	0	0	0	0	0	2196	2346	16.77
DAD-0004	260	226.75	227.63	100	0	0	0	0	0	0	0	2198	2344	17.56
DAD-0004	261	227.63	228.5	64.5895	35	0	0	0	0	0	0	2198	2344	3.21
DAD-0004	262	228.5	229.38	100	0	0	0	0	0	0	0	2198	2346	25.87
DAD-0004	263	229.38	230.25	97.57	2	0	0	0	0	0	0	2202	2346	10.22
DAD-0004	264	230.25	231.13	100	0	0	0	0	0	0	0	2196	2346	21.53
DAD-0004	265	231.13	232	83.1401	17	0	0	0	0	0	0	2198	2340	10.18
DAD-0004	266	232	232.87	90.3675	10	0	0	0	0	0	0	2196	2344	10.35
DAD-0004	267	232.87	233.74	93.71	6	0	0	0	0	0	0	2196	2344	20.78
DAD-0004	268	233.74	234.61	96.8828	0	0	0	3	0	0	0	2198	2346	5.53
DAD-0004	269	234.61	235.49	79.7397	20	0	0	0	0	0	0	2200	0	10.09
DAD-0004	270	235.49	236.36	100	0	0	0	0	0	0	0	2200	0	13.39
DAD-0004	271	236.36	237.23	100	0	0	0	0	0	0	0	2200	0	13.39

Appendix da98-06 Pima Minspec Drill

Hole	Sample	From	To	Illite	Chlorite	Dickite	Kaolinite	Halloysite	Dravite	Trioctahedral Chlorite	Phosphate	Peak Wave1	Peak Wave2	Signal to Noise
DAD-0004	272	237.23	238.1	100	0	0	0	0	0	0	0	2198	0	14.47
DAD-0004	273	238.1	238.99	100	0	0	0	0	0	0	0	2198	2346	22.11
DAD-0004	274	238.99	239.89	90.942	9	0	0	0	0	0	0	2200	2342	11.81
DAD-0004	275	239.89	240.78	100	0	0	0	0	0	0	0	2202	0	24.94
DAD-0004	276	240.78	241.67	100	0	0	0	0	0	0	0	2200	2346	24.45
DAD-0004	277	241.67	242.56	100	0	0	0	0	0	0	0	2200	0	4.91
DAD-0004	278	242.56	243.46	100	0	0	0	0	0	0	0	2198	0	27.6
DAD-0004	279	243.46	244.35	100	0	0	0	0	0	0	0	2198	0	24.13
DAD-0004	280	244.35	245.26	100	0	0	0	0	0	0	0	2200	0	26.45
DAD-0004	281	245.26	246.18	90.3114	10	0	0	0	0	0	0	2196	0	18.83
DAD-0004	282	246.18	247.09	100	0	0	0	0	0	0	0	2198	0	24.94
DAD-0004	283	247.09	248.01	98.7044	1	0	0	0	0	0	0	2198	2346	12.78
DAD-0004	284	248.01	248.92	100	0	0	0	0	0	0	0	2198	0	15.47
DAD-0004	285	248.92	249.84	84.4934	16	0	0	0	0	0	0	2198	2344	7.52
DAD-0004	286	249.84	250.75	89.9329	10	0	0	0	0	0	0	2198	2346	22.44
DAD-0004	287	250.75	251.58	87.5048	12	0	0	0	0	0	0	2198	2342	6.51
DAD-0004	288	251.58	252.4	100	0	0	0	0	0	0	0	2200	0	11.17
DAD-0004	289	252.4	253.3	100	0	0	0	0	0	0	0	2196	2346	29.37
DAD-0004	290	253.3	255	100	0	0	0	0	0	0	0	2196	0	18.28
DAD-0004	291	255	255.9	80.4909	20	0	0	0	0	0	0	2196	0	17.46
DAD-0004	292	255.9	256.9	100	0	0	0	0	0	0	0	2200	2344	18.02
DAD-0004	293	256.9	257.75	94.3306	6	0	0	0	0	0	0	2198	0	24.94
DAD-0004	294	257.75	258.63	100	0	0	0	0	0	0	0	2196	0	8.7
DAD-0004	295	258.63	259.51	36.2037	64	0	0	0	0	0	0	2198	2344	2.88
DAD-0004	296	259.51	260.39	88.8794	11	0	0	0	0	0	0	2196	2346	19.14
DAD-0004	297	260.39	261.26	100	0	0	0	0	0	0	0	2198	0	16.35
DAD-0004	298	261.26	262.14	100	0	0	0	0	0	0	0	2198	0	12.4
DAD-0004	299	262.14	263.02	100	0	0	0	0	0	0	0	2198	0	9.7
DAD-0004	300	263.02	263.9	100	0	0	0	0	0	0	0	2198	0	6.85
DAD-0004	301	263.9	264.76	100	0	0	0	0	0	0	0	2198	0	6.07
DAD-0004	302	264.76	265.61	100	0	0	0	0	0	0	0	2198	0	16.41
DAD-0004	303	265.61	266.47	100	0	0	0	0	0	0	0	2200	0	11.93
DAD-0004	304	266.47	267.33	100	0	0	0	0	0	0	0	2200	0	11.93
DAD-0004	305	267.33	268.19	100	0	0	0	0	0	0	0	2200	0	14.73
DAD-0004	306	268.19	269.04	100	0	0	0	0	0	0	0	2202	2340	4.77
DAD-0004	307	269.04	269.9	95.325	0	0	0	0	5	0	0	2202	0	12.66
DAD-0004	308	269.9	270.85	85.4577	0	0	0	0	15	0	0	2206	0	15.14
DAD-0004	309	270.85	271.8	27.4382	73	0	0	0	0	0	0	2206	2338	8.37
DAD-0004	310	271.8	272.12	0	100	0	0	0	0	8	0	2204	2342	3.96
DAD-0004	311	272.12	273.08	0	100	0	0	0	0	8	0	2204	2342	3.96
DAD-0004	312	273.08	274.04	100	0	0	0	0	0	0	0	2208	2344	6.5
DAD-0004	313	274.04	274.7	89.7607	0	0	0	0	10	0	0	2210	0	0.53
DAD-0004	314	274.7	275	93.0319	0	0	0	0	7	0	0	2212	2342	0.95
DAD-0005	011	9.015	9.7825											
DAD-0005	014	11.5333	12.5167											
DAD-0005	016	13.5	14.3467											
DAD-0005	020	17.07	18.1											
DAD-0005	022	18.83	19.705											