Table 2.--Quantitative analyses (in ppm) for 12 trace elements in drill-core samples, Powder River Basin.

[Blank space indicates analysis not completed at time of report preparation.]

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Field-Lab Sample Nos.	ppm, coal							ppm, ash					Ash
	As	F	Hg	Sb	Se	Th	U	Cd	Cu	Li	Pb	Zn	(percent)
483-D164604	12	40	0.13	0.6	1.2	<2.0	0.8	<1.	232	53	160	230	8.85
484-D164605	3	75	.05	.3	.27	3.4	1.4	<1.	86	40	50	430	6.44
485-D164606	8	40	.09	.4	.84	<2.0	1.1	<1.	120	35	60	50	8.58
486-D164607	3	40	.30	.3	1.1	<2.0	<0.2	<1.	146	23	100	50	7.26
487-D164608	2	60	.09	.4	.59	<2.0	.4	<1.	228	23	190	144	6.04
488-D164609	2	80	.10	.2	.36	2.8	.3	1.	244	17	90	168	5.79
489-D164610	20	45	.21	.4	2.1	3.3	.9	<1.	162	45	30	164	9.19
490-D164611	12	40	.18	.8	2.9	4.6	1.0	<1.	220	42	160	72	11.6
491-D164612	5	45	.10	.4	.64	<2.0	.4	<1.	238	66	200	200	6.74
492-D165086	8	20	.12	.2	.9	2.5	.2	<1.	256	26	100	90	6.58
493-D165087	2	<20	.11	.2	.7	<2.0	<0.1	<1.	132	12	115	194	5.52
494-D165088	3	20	.08	.2	.6	2.2	<0.1	<1.	82	10	90	665	5.40
495-D165089	3	40	.12	.2	.9	<2.0	<0.1	<1.	436	50	680	136	8.56
496-D165090	1	95	.10	.2	.5	3.5	0.3	<1.	496	38	330	132	6.52
497-D165091	2	70	.12	.5	1.1	4.4	1.9	1.	354	40	150	168	9.84
498-D165879	3	105	.11	.3	.8	3.1	.6	<1.	84	28	85	192	10.0
499-D165092	10	50	.18	1.8	2.7	7.0	6.4	<1.	218	14	140	44	12.8
500-D164613	20	340	.38	2.3	3.4	13.1	7.5	1.	140	63	80	252	50.6
501-D165093	20	75	.19	.8	1.6	3.0	.8	<1.	132	16	70	80	14.4
502-D165094	30	80	.16	1.0	1.7	8.7	4.2	<1.	78	44	40	58	29.7
503-D165095	8	<20	.18	.4	.7	<2.0	.8	<1.	88	14	105	278	8.78
504-D165096	3	70	.05	.2	1.5	2.8	.5	<1.	136	36	110	90	9.67
505-D165097	2	30	.08	.1	1.3	<2.0	<0.1	<1.	126	66	60	66	8.26
506-D165098	4	<20	.09	.6	1.8	<2.0	.5	<1.	160	32	110	196	7.96
507-D165099	4	20	.05	.8	2.6	2.8	1.0	<1.	76	18	60	90	9.78
508-D165100	8	<20	.15	.4	.6	3.0	.7	<1.	146	50	100	184	10.6
509-D165101	2	<20	.07	.3	1.5	2.0	.5	<1.	172	74	110	100	9.14
510-D165102	3	20	.07	.5	.9	<2.0	<0.1	<1.	138	38	70	400	7.76
511-D165103	2	25	.06	.2	1.1	<2.0	.6	<1.	96	20	70	212	9.94
512-D165104	5	40	.08	.3	1.2	3.8	.8	<1.	256	72	100	102	12.8
513-D165105	2	30	.09	.1	1.4	<2.0	.4	<1.	116	40	80	152	12.5
514-D165106	5	<20	.11	.2	1.1	3.4	.5	<1.	218	36	180	130	9.84
515-D165107	4	<20	.08	.2	1.6	<2.0	.7	1.	160	36	90	94	7.68
516-D165108	3	20	.06	.2	2.6	4.1	1.1	<1.	160	68	80	68	11.5
517-D165109	10	20	.07	.2	1.2	<2.0	.3	<1.	164	22	70	68	11.1
518-D165110	15	30	.11	.2	2.3	<2.0	.9	1.	130	48	60	130	11.8
519-D165111	15	30	.25	.3	3.8	5.9	1.0	1.	170	72	100	152	15.6
520-D165112	3	<20	.07	.2	1.3	<2.0	.4	<1.	180	44	80	52	8.52
521-D165113	8	20	.10	.4	2.3	4.6	1.7	3.	172	64	90	148	18.3
522-D165114	5	<20	.07	.4	2.4	4.7	1.1	3.	208	78	90	174	10.7
523-D165115	5	<20	.12	.2	1.7	<2.0	.4	3.	158	72	70	230	8.94
524-													
525-													
526-D165116	8	80	.09	1.4	1.2	4.3	3.0	<1.	80	48	50	104	20.5
527-D165117	8	60	.10	.6	2.1	4.7	2.2	1.	94	32	25	232	17.7
528-D165118	5	<20	.10	.3	2.0	2.8	<.1	1.	164	34	100	158	7.72
529-D165435	5	<20	.08	.2	.6	<2.0	.3	2.	108	33	40	120	7.98
530-D165119	10	20	.14	1.1	1.2	<2.0	3.7	<1.	208	14	30	124	15.6
531-D165436	3	20	.16	2.4	1.7	<2.0	.4	1.	118	33	30	248	11.0
532-D165437	8	20	.10	.2	1.1	<2.0	<.1	<1.	84	15	30	52	10.3
533-D165438	5	<20	.06	.4	.4	<2.0	.8	<1.	84	15	50	108	9.0
534-D165439	5	<20	.09	.4	.5	3.4	1.0	<1.	98	43	40	56	12.1
535-D165440	15	<20	.10	.4	1.1	<2.0	.3	<1.	84	22	50	66	12.0
536-D165441	15	<20	.23	.6	1.8	3.8	.6	<1.	68	15	50	34	15.2
537-D165442	3	<20	.06	.2	.6	<2.0	<.1	<1.	88	20	30	52	9.78
538-D165443	20	<20	.33	.4	2.6	<2.0	.4	<1.	84	12	60	44	15.9
539-D165444	10	<20	.10	.4	1.3	4.4	1.5	<1.	90	77	40	76	20.9
540-D165880	8	50	.07	.4	2.2	3.3	.7	<1.	136	46	35	150	12.8
541-D165881	5	125	.06	.6	1.9	8.1	1.2	<1.	150	72	40	170	18.2
542-D165882	1	40	.02	.2	.8	<2.0	<.1	<1.	162	48	60	88	7.4
543-D165883	12	50	.09	.3	1.2	<2.0	.5	<1.		34	35	104	10.1
544-D165884	8	75	.06	.4	2.2	4.8	1.1	<1.	160	66	40	256	13.2
545A-D165885	2	20	.03	.1	1.0	<2.0	<.1	<1.	140	40	40	54	7.50
545B-D165886	10	110	.14	.7	2.4	6.0	1.2	<1.	142	66	30	186	17.1
546-D165887	10	100	.53	1.7	1.9	4.3	1.3	3.	166	70	45	980	17.8
547-D165888	4	35	.09	.7	1.5	<2.0	<.1	<1.	108	30	35	40	9.80
548-D165889	3	40	.07	.3	.9	<2.0	.4	<1.	96	20	45	35	7.28
549-D165890	5	40	.08	.5	2.6	4.4	.9	<1.	138	86	35	116	11.0
550-D165891	8	55	.21	.4	4.3	2.9	.7	<1.	122	96	55	128	9.10
551-D165892	1	35	.03	.4	1.1	<2.0	<.1	<1.	106	40	70	105	7.46
552-D165893	8	65	.05	.3	1.6	<2.0	1.0	<1.	138	46	50	58	10.7
553-D165894	12	60	.09	.3	2.6	4.3	1.0	<1.	146	92	35	158	12.2
554-D165895	8	90	.12	1.5	1.0	4.5	2.3	<1.	178	34	50	108	19.8
555-D165896	2	45	.04	.3	.5	<2.0	.6	1.	74	24	40	168	8.36
556-D165897	1	55	.11	.3	.9	<2.0	.4	1.	162	22	50	126	6.82
557-D165898	<1	60	.06	.2	.4	<2.0	<.1	<1.	124	26	45	103	5.81
558-D165899	1	45	.12	.2	.9	<2.0	.5	1.	136	50	50	78	8.68
559-D165900	3	40	.27	.5	1.6	6.7	1.4	<1.	338	48	50	176	11.2
560-D165901	1	<20	.18	.2	1.2	4.5	.4	<1.	334	58	35	165	8.56
561-D165902	<1	20	.06	.1	.7	4.2	<.1	<1.	158	42	45	114	5.03
562-D165903	2	25	.12	.1	1.4	<2.0	.6	1.	220	68	55	80	5.83
563-D165904	<1	20	.07	.1	.7	<2.0	.4	1.	142	54	40	122	5.74
564-D165905	<1	<20	.05	.1	.4	<2.0	<.1	<1.	160	26	50	120	4.57
565-D165906	1	20	.06	.2	.5	<2.0	.4	1.	70	38	40	155	7.32
566-D165907	2	30	.05	.2	.5	<2.0	<.1	<1.	88	42	45	172	6.98
567-D165908	2	25	.09	.4	1.1	6.8	1.6	<1.	142	108	50	58	9.24
568-D165909	12	70	.09	.8	1.2	7.2	1.8	<1.	84	24	<25	96	23.9
569-D165910	2	<20	.09	.2	.7	<2.0	<.1	<1.	84	8	30	58	7.16
570-D165911	3	30	.03	.6	.6	7.1	.9	1.	84	24	35	56	9.44
571-D165912	2	35	.24	.3	1.4	<2.0	.5	1.	110	30	40	47	10.6
572-D165913	1	<20	.07	.1	.6	<2.0	<.1	1.	136	28	40	184	5.96
573-D165914	<1	20	.06	.1	.5	<2.0	<.1	<1.	158	22	45	94	5.43
574-D165915	2	55	.14	.5	1.5	<2.0	1.3	<1.	158	96	45	83	12.8
575-D165916	1	<20	.04	.2	.9	<2.0	.4	<1.	98	30	45	50	7.48
576-D165917	1	20	.03	.2	.7	<2.0	<.1	<1.	96	56	55	56	6.30
577-D165918	3	<20	.13	.5	.7	<2.0	<.1	<1.	60	18	410	67	8.34
578-D165919	3	30	.13	.5	.7	<2.0	<.1	1.	96	18	120	136	7.80
579-D165920	2	90	.14	.5	1.2	3.2	.7	1.	100	38	65	472	14.0
580-D165921	1	<20	.03	.3	.9	<2.0	.4	<1.	102	34	150	84	6.96
581-D165922	1	20	.03	.3	.3	2.5	<.1	<1.	130	14	110	416	4.93
584-D165925	5	<20	.10	.6	1.8	<2.0	1.0	<1.	122	42	65	98	10.8
585-D165926	12	35	.66	.4	9.7	5.1	1.5	4.	162	96	70	188	14.9
586-D165927	3	20	.11	.2	1.2	<2.0	.3	<1.	114	34	55	74	9.64
587-D165928	3	25	.07	.3	1.9	<2.0	.7	<1.	110	74	65	136	10.1
590-D165929	2	20	.06	.3	1.2	<2.0	.6	1	130	38	75	92	8.54
591-D165930	5	40	.09	.5	2.1	<2.0	1.3	<1.	130	72	40	180	13.8
592-D165931	5	35	.21	.4	2.9	3.5	1.5	2.	156	96	65	410	12.4
593-D165932	4	<20	.13	.1	1.4	<2.0	<.1	<1.	94	34	65	42	8.84
594-D165933	8	50	.42	.5	3.8	4.6	1.1	3.	178	24	55	548	11.7
595-D165934	3	40	.24	.3	1.4	<2.0	.5	<1.	128	24	35	312	9.26
596-D165935	1	40	.06	.3	.4	<2.0	.5	1.	118	20	65	350	7.34
597-D165936	3	115	.15	1.0	1.5	<2.0	1.7	1.	172	34	120	380	16.6
598-D165937	1	40	.09	.1	.4	<2.0	.3	1.	184	20	45	370	5.74