9552693

Table 8: Summary of data values
describing: the sample number, field parameters; individual chemical values; and isotopic results for the 2010 Grants Mining District set of samples San Mateo Creek Phase 2 site investigation northwestern New Mexico (includes Roca Honda Resources samples).

Sample Number	Latitude (NAD83)	Longitude (NAD83)	Sample Date	Tempera-ture (T) °C	Dissolved Oxygen (DO) mg/L	Specific Conduc-tance (SC) µS/cm	Oxidation Reduction Potential (ORP)	Field pH	Lab pH	Total Dissolved Solids (TDS) mg/L	Total anions meq/L	Total cations meq/L	Charge balance error
EPA MCL													
NM WQCC								6 - 9		1000			<10%
GMD-00	FIELD	BLANK	11/8/2010	FIELD	BLANK				7	62	1.07	0.84	12.03
GMD-01	35.086293	-107.527361	11/8/2010	14.05	0.45	420	-234.4	7.06	7	291	3.86	4.50	7.61
GMD-02	35.360385	-107.728142	11/9/2010	16.25	0.44	1503	-290.9	8.39	8.7	1130	16.36	16.96	1.81
GMD-03	DUPE	GMD-02	11/9/2010	DUPE	GMD-02				8.7	1130	16.64	16.31	1.00
GMD-04	35.360625	-107.728221	11/8/2010	22.33	1.27	1093	-31.2?	7.15	7.4	709	10.60	11.12	2.39
GMD-05	35.086276	-107.728142	11/8/2010	19.77	0.49	4937	-179.9	7.69	7.8	3070	54.60	51.93	2.51

Sample Number	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	Cl (mg/L)	SO_4 (mg/L)	HCO_3 (mg/L)	Ag (µg/L)	Al (µg/L)	As (µg/L)	Ba (µg/L)	Be (µg/L)	Cd (µg/L)	Co (µg/L)	Cr (µg/L)	Cu (µg/L)	F (mg/L)	Fe (µg/L)	Hg (µg/L)	Mn (µg/L)	Mo (µg/L)	Ni (µg/L)	NO_3+NO_2 (mg/L)	Pb (µg/L)	Sb (µg/L)	Se (µg/L)	Tl (µg/L)	V (µg/L)	Zn (µg/L)
EPA MCL										10	2000	4	5		100	1300	4		2				10	15	6	50	2		
NM WQCC					250	600		50	5000(i)	100	1000		10	50(i)	50	1000	1.6	1000	2	200	1000(i)	200(i)	10	50		50			10000
GMD-00	3.01	0.997	13.4	<1.0	11	20	<20	<10	<100	<2.0	<10	<5	<5	<20	<10	37.5	no data	<25	<0.2	<5	<4.0	<20	<1.0	<2	<2	<2.0	<2	<20	48.4
GMD-01	45.6	13.3	23.4	4.3	5	52	160	<10	<100	2.6	67.9	<5	<5	<20	<10	<20	no data	98.2	<0.2	39.7	4.7	<20	<1.0	<2	<2	<2.0	<2	<20	<20
GMD-02	3.27	0.345	385	<1	64	470	290	<10	<100	6.6	<10	<5	<5	<20	<10	<20	no data	<25	<0.2	<5	9.1	<20	<1.0	<2	<2	30.1	<2	22.9	<20
GMD-03	3.17	0.338	370	<1	68	470	300	<10	<100	6.3	18.7	<5	<5	<20	<10	<20	no data	<25	<0.2	<5	8.8	<20	<1.0	<2	<2	29.9	<2	21.6	<20
GMD-04	100	20.5	99.8	3.9	19	270	270	<10	<100	<2	67	<5	<5	<20	<10	<20	no data	71.3	<0.2	101	<4	<20	<1.0	<2	<2	3.8	<2	<20	432
GMD-05	17.6	4.89	1160	7.2	1500	280	390	<10	<100	<2	106	<5	<5	<20	<10	<20	no data	<25	<0.2	13.8	<4	<20	<4.0	<2	<2	6.6	<2	<20	<20

Sample Number	Gross Alpha (pCi/L)	Gross Beta (pCi/L)	^{226}Ra (pCi/L)	^{228}Ra (pCi/L)	U (µg/L)	^{238}U (pCi/L)	^{235}U (pCi/L)	^{234}U (pCi/L)	∂ ^{2}H per mil (‰)	∂ ^{18}O per mil (‰)	∂ ^{13}C per mil (‰)	Apparent C14 age in years
EPA MCL	15	50	5	5	30							
NM WQCC			30	30	30							
GMD-00	-0.132	0.07	-0.21	-0.89	<2.0	-0.017	0.047	-0.093	-57.9	-8.16	-19.7	5150
GMD-01	1.28	3.00	-0.07	0.82	<2.0	0.864	0.147	1.598	-80.3	-11.08	-11.4	890
GMD-02	34.1	-0.30	0.17	0.28	29.2	10.096	0.349	23.263	-80.9	-10.35	-9.7	8150
GMD-03	22.8	1.90	0.16	0.84	27.9	9.107	0.533	20.137	-80.3	-10.24	-8.50	7890
GMD-04	17.3	7.23	3.33	2.67	3.0	0.877	0.036	1.255	-79.1	-10.38	-10.10	3690
GMD-05	1.33	6.11	1.05	1.39	<2.0	0.012	-0.013	0.106	-91.9	-11.82	-11.50	28170