

Table C-62: Rose Creek Drainage Groundwater Quality
2010 QA/QC Lab vs. Field Comparison

Station	Date	COND µmho/cm	CONDF µmho/cm	RPD %	Comments	Action	Result	pH	pHF	Difference	Comments	Action	Result
BH10A	9/16/2010	795	826.3	3.86				6.42	5.74	0.68			
BH10B	9/16/2010	1070	1010	5.77				6.31	5.53	0.78			
BH13B	9/21/2010	1290	984	26.91	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.47	8.26	0.79			
BH14A	6/11/2010	4000	3413	15.84				7.8	6.78	1.02	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
BH14A	9/21/2010	3880	2594	39.73	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.58	7.04	0.54			
BH14B	6/11/2010	4010	3508	13.35				7.6	6.81	0.79			
BH14B	9/21/2010	4020	2702	39.21	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.61	7.25	0.36			
BH5	9/16/2010	667	710.2	6.27				6.23	5.63	0.6			
BH6	9/16/2010	413	450.8	8.75				7.15	6.12	1.03	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
BH8	9/18/2010	3830	3828	0.05				4.14	4.43	0.29			
P01-01A	6/6/2010	1700	1019	50.09	Field and lab values correctly entered into emLine.	Request Retest	Retest not possible because was requested too late. Remainder of samples had been discarded. Discrepancy between values remains.	8.0	6.41	1.59	Field and lab values correctly entered into emLine.	Request Retest	Retest not possible because was requested too late. Remainder of samples had been discarded. Discrepancy between values remains.
P01-01A	9/8/2010	1960	1660	16.57				7.52	8.16	0.64			
P01-01B	6/6/2010	1230	920	28.84	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	8.1	6.38	1.72	Field and lab values correctly entered into emLine.	Request Retest	Retest not possible because was requested too late. Remainder of samples had been discarded. Discrepancy between values remains.
P01-01B	9/8/2010	1340	1131	16.92				7.58	7.3	0.28			
P01-02A	6/6/2010	697	817	15.85				8	7.42	0.58			
P01-02A	9/8/2010	794	830	4.43				7.95	7.37	0.58			
P01-02B	6/6/2010	512	530	3.45				8.2	7.5	0.7			
P01-02B	9/8/2010	562	610	8.19				7.9	7.53	0.37			
P01-03	6/7/2010	3620	3450	4.81				7.4	6.35	1.05	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P01-03	9/9/2010	3680	622	142.17	Lab value correctly entered into emLine, but field value incorrectly entered.	Change Value	Field value changed; now correctly entered into emLine (see correct result below).	6.7	6.22	0.48			
P01-03	9/9/2010	3680	3890	5.55	Lab value correctly entered into emLine, and incorrect field value emended (see above)	Let Value Stand	Correct value entered into emLine.	6.7	6.22	0.48			
P01-04A	6/7/2010	1050	1010	3.88				7.8	6.77	1.03	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P01-04A	9/9/2010	1140	1230	7.59				7.26	7.03	0.23			

RPD > 50% or pH difference > 1.5 pH unit

RPD > 20% or pH difference > 1 pH unit

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P01-04B	9/9/2010	2060	2200	6.57				7.29	6.88	0.41			
P01-11	6/6/2010	2760	3020	9.00				7.6	6.89	0.71			
P01-11	9/8/2010	2880	3280	12.99				7.24	6.72	0.52			
P03-01-2	9/21/2010	409	441.4	7.62				8.36	7.34	1.02	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P03-01-4	9/21/2010	167	175.7	5.08				6.92	6.93	0.01			
P03-01-6	9/21/2010	1110	1157	4.15				5.76	6.6	0.84			
P03-01-8	9/21/2010	22100	15510	35.04	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	3.46	6.11	2.65	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past sample hold time. Discrepancy between values remains.
P03-03-2	9/21/2010	2750	2595	5.80				4.17	5.36	1.19	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P03-03-4	9/21/2010	1650	1664	0.84				6.2	6.11	0.09			
P03-03-6	9/21/2010	6410	28.71	198.22	Lab value correctly entered into emLine. Field value undergoing investigation.	Let Value Stand	Retest request would be filed past sample hold time. Discrepancy between values remains.	4.82	6.4	1.58	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past sample hold time. Discrepancy between values remains.
P03-04-2	9/20/2010	1510	1294	15.41				7.15	6.82	0.33			
P03-04-4	9/20/2010	1300	1249	4.00				7.44	7.4	0.04			
P03-04-6	9/20/2010	5440	5926	8.55				6.22	7	0.78			
P03-04-8	9/20/2010	8100	8162	0.76				3.9	6.32	2.42	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past sample hold time. Discrepancy between values remains.
P03-05-2	9/22/2010	1480	1563	5.46				6.89	6.75	0.14			
P03-05-4	9/22/2010	1250	1258	0.64				7.26	7.02	0.24			
P03-05-6	9/22/2010	4790	4428	7.85				4.59	6.73	2.14	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past sample hold time. Discrepancy between values remains.

RPD > 50% or pH difference > 1.5 pH unit
 RPD > 20% or pH difference > 1 pH unit

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Station	Date	COND µmho/cm	CONDF µmho/cm	RPD %	Comments	Action	Result	pH	pHF	Difference	Comments	Action	Result
P03-06-1	6/14/2010	3850	38750	163.85	Lab value correctly entered into emLine, but field value incorrectly entered.	Change Value	Field value changed; now correctly entered into emLine (see below).	6.2	5.35	0.85			
P03-06-1	6/14/2010	3850	3875	0.65	Lab value correctly entered into emLine, and incorrect field value amended (see above).	Let Value Stand	Discrepancy between lab and field values resolved.	6.2	5.35	0.85			
P03-06-1	9/22/2010	3900	3352	15.11				6.06	6.17	0.11			
P03-06-2	6/14/2010	4000	41050	164.48	Lab value correctly entered into emLine, but field value incorrectly entered.	Change Value	Field value changed; now correctly entered into emLine (see below).	4.2	5.3	1.1	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P03-06-2	6/14/2010	4000	4105	2.59	Lab value correctly entered into emLine, and incorrect field value amended (see above).	Let Value Stand	Discrepancy between lab and field values resolved.	4.2	5.3	1.1	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P03-06-2	9/22/2010	3910	3365	14.98				5.77	6.11	0.34			
P03-06-3	6/14/2010	4530	46110	164.22	Lab value correctly entered into emLine, but field value incorrectly entered.	Change Value	Field value changed; now correctly entered into emLine (see below).	4.3	5.35	1.05	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P03-06-3	6/14/2010	4530	4611	1.77	Lab value correctly entered into emLine, and incorrect field value amended (see above).	Let Value Stand	Discrepancy between lab and field values resolved.	4.3	5.35	1.05	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P03-06-3	9/22/2010	4640	3824	19.28				5.49	6.24	0.75			
P03-06-4	6/14/2010	2210	25150	167.69	Lab value correctly entered into emLine, but field value incorrectly entered.	Change Value	Field value changed; now correctly entered into emLine (see below).	5.6	6.18	0.58			
P03-06-4	6/14/2010	2210	2515	12.91	Lab value correctly entered into emLine, and incorrect field value amended (see above).	Let Value Stand	Discrepancy between lab and field values resolved.	5.6	6.18	0.58			
P03-06-4	9/22/2010	2600	2516	3.28				6.2	6.65	0.45			
P03-06-5	6/14/2010	1370	17610	171.13	Lab value correctly entered into emLine, but field value incorrectly entered.	Change Value	Field value changed; now correctly entered into emLine (see below).	5.2	6.42	1.22	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P03-06-5	6/14/2010	1370	1761	24.98	Lab value correctly entered into emLine, and incorrect field value amended (see above).	Let Value Stand	Large discrepancy between lab and field values resolved, but small discrepancy between values still remains.	5.2	6.42	1.22	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P03-06-5	9/22/2010	3570	2933	19.59				6.01	6.89	0.88			
P03-08-2	9/20/2010	678	732	7.66				7.7	8.17	0.47			
P03-08-4	9/20/2010	1260	1327	5.18				7.36	7.1	0.26			
P03-08-6	9/20/2010	948	924	2.56				7.23	7.45	0.22			

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P03-08-7	9/20/2010	612	569	7.28				7.92	7.85	0.07			
P03-08-8	9/20/2010			#DIV/0!						0			
P03-09-2	9/13/2010	1300	1430	9.52				7.85	7.01	0.84			
P03-09-4	9/13/2010	1550	1670	7.45				7.83	7	0.83			
P03-09-6	9/13/2010	1670	1822	8.71				7.83	6.91	0.92			
P03-09-8	9/13/2010	1700	1748	2.78				7.81	6.95	0.86			
P03-09-9	9/13/2010	1670	1811	8.10				7.82	6.91	0.91			
P05-01-1	9/9/2010	2790	2990	6.92				7	6.6	0.4			
P05-01-2	9/9/2010	2820	3103	9.56				7.04	6.65	0.39			
P05-01-3	9/9/2010	2790	3063	9.33				7.03	6.64	0.39			
P05-01-4	9/9/2010	2770	2972	7.04				7.02	6.64	0.38			
P05-01-5	9/9/2010	2400	2586	7.46				7.09	6.66	0.43			
P05-01-6	9/9/2010	2510	2655	5.61				7.14	6.58	0.56			
P05-02	6/6/2010	2720	2552	6.37				7.5	6.49	1.01	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P05-02	9/8/2010	2630	2910	10.11				7.05	6.6	0.45			
P05-03	6/8/2010	1610	1598	0.75				8.1	6.92	1.18	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P05-03	9/8/2010	1520	1640	7.59				7.41	7.04	0.37			
P05-04	9/16/2010	383	366.9	4.29				7.36	6.12	1.24	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P09-C1	6/7/2010	2510	2609	3.87				7.6	6.62	0.98			
P09-C1	9/15/2010	2630	2560	2.70				7.77	6.57	1.2	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P09-C2	6/8/2010	2670	2620	1.89				7	6.28	0.72			
P09-C2	9/15/2010	2770	2726	1.60				7.12	6.06	1.06	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P09-C3	6/8/2010	1070	1087	1.58				7.8	6.49	1.31	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P09-C3	9/15/2010	1070	1070	0.00				7.81	6.52	1.29	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P09-ETA1	9/16/2010	421	440.2	4.46				7.9	7.56	0.34			
P09-ETA2	9/15/2010	5190	5390	3.78				6.7	6.34	0.36			

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P09-SIS1	7/25/2010	9670	9050	6.62				6.69	6.16	0.53			
P09-SIS1	11/2/2010	8110	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			7.23	6.33	0.9			
P09-SIS1	11/2/2010	8110	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			7.23	6.33	0.9			
P09-SIS2	6/9/2010	9950	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.9	5.8	1.1	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P09-SIS2	7/24/2010	8730	9180	5.03				6.64	6.19	0.45			
P09-SIS2	9/13/2010	9190	9480	3.11				6.97	5.83	1.14	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P09-SIS2	11/2/2010	9340	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.93	6.1	0.83			
P09-SIS2	11/2/2010	9340	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.93	6.1	0.83			

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Station	Date	COND µmho/cm	CONDF µmho/cm	RPD %	Comments	Action	Result	pH	pHF	Difference	Comments	Action	Result
P09-SIS3	6/9/2010	10000	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.9	6.04	0.86			
P09-SIS3	7/24/2010	7720	4160	59.93	Field and lab values correctly entered into emLine.	Request Retest	Retest not possible because was requested too late. Remainder of samples had been discarded. Discrepancy between values remains.	6.65	8.34	1.69	Field and lab values correctly entered into emLine.	Request Retest	Retest not possible because was requested too late. Remainder of samples had been discarded. Discrepancy between values remains.
P09-SIS3	9/14/2010	9500	9580	0.84				7	6.05	0.95			
P09-SIS3	11/2/2010	9020	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			7	6.21	0.79			
P09-SIS3	11/2/2010	9020	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			7	6.21	0.79			
P96-6	6/15/2010	1170	1140	2.60				7.6	6.35	1.25	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P96-6	9/21/2010	1350	1010	28.81	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.27	7.08	0.19			
P96-7	6/11/2010	3090	2644	15.56				7.9	7.47	0.43			
P96-7	9/14/2010	3310	3570	7.56				7.82	7.24	0.58			
P96-8A	6/9/2010	7780	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			5.9	5.14	0.76			
P96-8A	9/14/2010	7780	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.29	5.14	1.15			

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Station	Date	COND µmho/cm	CONDF µmho/cm	RPD %	Comments	Action	Result	pH	pHF	Difference	Comments	Action	Result
P96-8B	6/9/2010	7380	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			4.8	4.31	0.49			
P96-8B	9/15/2010	7540	7630	1.19				4.71	4.55	0.16			
P96-9A	6/12/2010	3550	3066	14.63				7.8	6.77	1.03	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
P96-9A	9/20/2010	3840	3943	2.65				7.61	6.78	0.83			
S1A	6/9/2010	656	561	15.61				6.9	6.46	0.44			
S1A	9/14/2010	332		200.00	Lab value correctly entered into emLine, but field value not entered.	Change Value	Field value entered; now correctly entered into emLine (see correct result below).	7.12		7.12	Lab value correctly entered into emLine, but field value not entered.	Change Value	Field value entered; now correctly entered into emLine (see correct result below).
S1A	9/14/2010	332	302	9.46	Lab value correctly entered into emLine, but field value not entered.	Let Value Stand	Correct value entered into emLine.	7.12	7.29	0.17	Lab value correctly entered into emLine, but field value not entered.	Let Value Stand	Correct value entered into emLine.
S1B	9/14/2010			#DIV/0!	Sample not collected. Samplers noted "Well completely dry."					0	Sample not collected. Samplers noted "Well completely dry."		
S2A	6/9/2010	1470	1238	17.13				7	5.78	1.22	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
S2A	9/14/2010	1370	1226	11.09				6.73	6.05	0.68			
S2B	9/14/2010	8000	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.94	6.07	0.87			
SRK04-3A	9/22/2010	8130	8172	0.52				5.68	5.21	0.47			
SRK05-ETA-BR1	9/22/2010	7370	7350	0.27				5.76	5.17	0.59			
SRK05-ETA-BR2	9/22/2010	2660	2845	6.72				6.78	6.5	0.28			
SRK05-SP1A	9/14/2010	1700	1790	5.16				6.34	5.54	0.8			
SRK05-SP1B	9/14/2010	996	1050	5.28				7.37	6.31	1.06	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK05-SP2	9/14/2010	379	370	2.40				7.19	6.4	0.79			
SRK05-SP3A	9/14/2010	1410	1430	1.41				6.62	5.7	0.92			
SRK05-SP3B	9/14/2010	1190	1330	11.11				6.45	5.99	0.46			
SRK05-SP4A	6/9/2010	1040	872	17.57				6.7	5.66	1.04	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK05-SP4A	9/13/2010	1080	119	160.30	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past sample hold time. Discrepancy between values remains.	6.65	5.91	0.74			

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SRK05-SP5	9/14/2010	6260	6060	3.25				6.75	5.89	0.86			
SRK05-SP6	9/14/2010			#DIV/0!	Sample not collected. Samplers noted "not enough water for purge volume. Well too deep to get water out."					0	Sample not collected. Samplers noted "not enough water for purge volume. Well too deep to get water out."		
SRK08-P10A	6/9/2010	3630	3012	18.61				7.4	6.34	1.06	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-P10A	9/16/2010			#DIV/0!	Sample not collected. Samplers noted "Dry @ 12L."					0	Sample not collected. Samplers noted "Dry @ 12L."		
SRK08-P11A	6/9/2010	764	623	20.33	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.9	7.14	0.76			
SRK08-P11A	9/15/2010	770	860	11.04				7.91	6.83	1.08	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-P11B	6/9/2010	928	767	19.00				8.1	6.87	1.23	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-P11B	9/15/2010	1180	1370	14.90				7.81	6.52	1.29	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-P12A	9/16/2010	1240	1135	8.84				6.47	5.69	0.78			
SRK08-P12B	9/16/2010	889	965.7	8.27				6.43	5.69	0.74			
SRK08-P14	9/16/2010	1990	2080	4.42				7.9	7.38	0.52			
SRK08-P15	9/16/2010	1930	2030	5.05				7.88	7.66	0.22			
SRK08-SBR2	9/14/2010	1440	1510	4.75				6.75	5.9	0.85			
SRK08-SBR3	9/14/2010	2940	2407	19.94				7.63	6.96	0.67			
SRK08-SBR4	9/14/2010	2440	2288	6.43				7.16	6.44	0.72			
SRK08-SP7A	6/9/2010	2720	2755	1.28				6.5	5.86	0.64			
SRK08-SP7A	7/25/2010	2390	2290	4.27				6.53	6.48	0.05			
SRK08-SP7A	9/13/2010	2170	2380	9.23				6.83	6.11	0.72			
SRK08-SP7A	11/2/2010	1900	1614	16.28				6.86	6.39	0.47			

RPD > 50% or pH difference > 1.5 pH unit
 RPD > 20% or pH difference > 1 pH unit

Table C-62: Rose Creek Drainage Groundwater Quality
2010 QA/QC Lab vs. Field Comparison

Station	Date	COND µmho/cm	CONDF µmho/cm	RPD %	Comments	Action	Result	pH	pHF	Difference	Comments	Action	Result
SRK08-SP7B	6/9/2010	367	356	3.04				7.3	7.04	0.26			
SRK08-SP7B	7/25/2010	196	5.9	188.31	Lab value correctly entered into emLine, but field value incorrectly entered.	Change Value	Field value changed; now correctly entered into emLine (see below).	6.94	7.36	0.42			
SRK08-SP7B	7/25/2010	196	170	14.21	Lab value correctly entered into emLine, and incorrect field value amended (see above).	Let Value Stand	Discrepancy between lab and field values resolved.	6.94	7.36	0.42			
SRK08-SP7B	9/13/2010	211	250	16.92				7.23	6.79	0.44			
SRK08-SP7B	11/2/2010	249	246	1.21				7.26	6.83	0.43			
SRK08-SP8A	9/13/2010	1950	2250	14.29				6.97	6.17	0.8			
SRK08-SP8B	9/13/2010	1560	1770	12.61				6.92	6.25	0.67			
SRK08-SPW1	1/6/2010	1240	1115	10.62				6.6	5.82	0.78			
SRK08-SPW1	2/17/2010	1150	1070	7.21				7.1	6.15	0.95			
SRK08-SPW1	3/9/2010	1050	1090	3.74				7.3	5.98	1.32	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-SPW1	4/13/2010	1080	1040	3.77				6.8	6.08	0.72			
SRK08-SPW1	5/3/2010	1040	945	9.57				7.1	6	1.1	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-SPW1	6/13/2010	1070	1125	5.01				6.5	7.62	1.12	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-SPW1	7/10/2010	1100	1220	10.34				6.43	5.95	0.48			
SRK08-SPW1	8/3/2010	1080	1150	6.28				6.43	6.36	0.07			
SRK08-SPW1	9/1/2010	1090	1360	22.04	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	6.96	6.66	0.3			
SRK08-SPW1	10/7/2010	1060	760	32.97	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	6.72	6.54	0.18			
SRK08-SPW1	11/8/2010	1050	986	6.29				6.84	5.96	0.88			

RPD > 50% or pH difference > 1.5 pH unit

RPD > 20% or pH difference > 1 pH unit

Table C-62: Rose Creek Drainage Groundwater Quality
2010 QA/QC Lab vs. Field Comparison

Station	Date	COND µmho/cm	CONDF µmho/cm	RPD %	Comments	Action	Result	pH	pHF	Difference	Comments	Action	Result
SRK08-SPW2	1/6/2010	5140	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.7	5.8	0.9			
SRK08-SPW2	2/17/2010	4840	4310	11.58				7.2	5.97	1.23	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-SPW2	3/9/2010	4370	3970	9.59				7.3	6.07	1.23	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-SPW2	4/13/2010	4150	3960	4.69				6.8	6.1	0.7			
SRK08-SPW2	5/3/2010	4340	3676	16.57				7	6.26	0.74			
SRK08-SPW2	6/13/2010	3900	3794	2.76				6.7	8.01	1.31	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-SPW2	7/10/2010	3840	3587	6.81				6.66	6.11	0.55			
SRK08-SPW2	8/3/2010	3910	4390	11.57				7.01	6.34	0.67			
SRK08-SPW2	9/1/2010	3890	4160	6.71				7.15	6.28	0.87			
SRK08-SPW2	10/7/2010	3830	2250	51.97	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past hold time. Discrepancy between values remains.	6.85	6.3	0.55			
SRK08-SPW2	11/8/2010	4000	3304	19.06				6.87	6.16	0.71			
SRK08-SPW2	12/1/2010	4130	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.91	6.35	0.56			

RPD > 50% or pH difference > 1.5 pH unit
 RPD > 20% or pH difference > 1 pH unit

Table C-62: Rose Creek Drainage Groundwater Quality
2010 QA/QC Lab vs. Field Comparison

Station	Date	COND µmho/cm	CONDF µmho/cm	RPD %	Comments	Action	Result	pH	pHF	Difference	Comments	Action	Result
SRK08-SPW3	1/6/2010	5390	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.7	5.69	1.01	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-SPW3	2/17/2010	6620	5800	13.20				7.2	5.93	1.27	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-SPW3	3/9/2010	5690	4820	16.56				6.9	6.1	0.8			
SRK08-SPW3	4/13/2010	6210	5860	5.80				6.9	6.17	0.73			
SRK08-SPW3	5/3/2010	3360	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			7.3	6.24	1.06	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-SPW3	6/13/2010	5440	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.8	7.77	0.97			
SRK08-SPW3	7/10/2010	4160	3890	6.71				6.45	5.93	0.52			
SRK08-SPW3	8/3/2010	5510	5830	5.64				6.83	6.05	0.78			
SRK08-SPW3	9/1/2010	4220	4450	5.31				7.02	6.16	0.86			
SRK08-SPW3	10/7/2010	5540	3360	48.99	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	6.97	6.19	0.78			
SRK08-SPW3	11/8/2010	5520	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.75	5.74	1.01	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
SRK08-SPW3	12/1/2010	5440	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.6	6.12	0.48			
TH86-17	9/9/2010	181	190	4.85				7.55	7.1	0.45			
TH86-2	9/13/2010	289	187	42.86	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.94	8.39	0.45			
TH86-5	9/9/2010	795	836	5.03				7.26	6.94	0.32			
X16A	6/7/2010	356	340	4.60				8.3	7.61	0.69			
X16A	9/8/2010	365	337	7.98				7.78	7.36	0.42			
X16B	6/7/2010	399	390	2.28				8.2	7.84	0.36			
X16B	9/8/2010	432	392	9.71				7.9	7.52	0.38			
X17A	6/8/2010	573	633	9.95				8.1	7.36	0.74			
X17A	9/8/2010	517	519	0.39				7.8	7.5	0.3			

RPD > 50% or pH difference > 1.5 pH unit
 RPD > 20% or pH difference > 1 pH unit

Table C-62: Rose Creek Drainage Groundwater Quality
2010 QA/QC Lab vs. Field Comparison

Station	Date	COND µmho/cm	CONDF µmho/cm	RPD %	Comments	Action	Result	pH	pHF	Difference	Comments	Action	Result
X17B	6/8/2010	1090	1110	1.82				7.7	6.94	0.76			
X17B	9/8/2010	899	801	11.53				7.47	6.9	0.57			
X18A	6/7/2010	1700	1807	6.10				8.0	6.93	1.07	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X18A	9/8/2010	1500	1351	10.45				7.22	6.92	0.3			
X18B	6/7/2010	1730	1727	0.17				8.1	6.85	1.25	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X18B	9/8/2010	1650	1399	16.46				7.45	6.98	0.47			
X21-96A	6/11/2010	17500	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			3.6	5.38	1.78	Field and lab values correctly entered into emLine.	Request Retest	Retest not possible because was requested too late. Remainder of samples had been discarded. Discrepancy between values remains.
X21-96A	9/22/2010	17900	17530	2.09				3.67	5.05	1.38	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X21-96B	6/11/2010	2360	2274	3.71				5.9	6.61	0.71			
X21-96B	9/22/2010	2810	3008	6.81				6.31	6.26	0.05			
X24-96D	6/7/2010	3910	3660	6.61				7.4	6.4	1	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X24-96D	9/9/2010	3950	4370	10.10				6.85	6.27	0.58			
X25-96A	6/7/2010	1420	1390	2.14				8	7.18	0.82			
X25-96A	9/9/2010	1550	1710	9.82				7.43	7.01	0.42			
X25-96B	6/7/2010	1270	1270	0.00				8.1	7.52	0.58			
X25-96B	9/9/2010	1370	1430	4.29				7.83	7.38	0.45			

RPD > 50% or pH difference > 1.5 pH unit
 RPD > 20% or pH difference > 1 pH unit

Table C-62: Rose Creek Drainage Groundwater Quality
2010 QA/QC Lab vs. Field Comparison

Station	Date	COND µmho/cm	CONDF µmho/cm	RPD %	Comments	Action	Result	pH	pHF	Difference	Comments	Action	Result
X26	5/5/2010	5300	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.5	6.28	0.22			
X26	6/13/2010	4190	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.4	7.61	1.21	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X26	7/10/2010	4120	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.55	6.33	0.22			
X26	8/3/2010	4620	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.4	6.22	0.18			
X26	9/1/2010	5060	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.71	6.06	0.65			
X26	10/19/2010	4540	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.52	5.97	0.55			

RPD > 50% or pH difference > 1.5 pH unit
 RPD > 20% or pH difference > 1 pH unit

