

Table C-55: Rose Creek Drainage Water 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
A30	2/4/2010	275	250	9.52				6.9	6.2	0.7			
A30	2/24/2010	224	188	17.48				7	6.6	0.4			
A30	3/2/2010	213	209	1.90				7.1	6.82	0.28			
A30	3/28/2010	201	160	22.71	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.3	6.87	0.43			
A30	4/10/2010	202	160	23.20	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains. Multiple flagged conductivity values on April 11, 2010 suggests calibration on field meter may have been off.	7.3	6.76	0.54			
A30	4/19/2010	187	150	21.96	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.3	6.98	0.32			
A30	5/1/2010	1670	1610	3.66				3.6	3.77	0.17			
A30	5/18/2010	752	132	140.27	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.	4.9	5.22	0.32			
A30	6/2/2010	484	549	12.58				5	5.65	0.65			
A30	6/15/2010	320	296	7.79				6.7	6.16	0.54			
A30	7/7/2010	753	810	7.29				5.82	6.09	0.27			
A30	7/22/2010	410	371	9.99				6.53	7	0.47			
A30	8/5/2010	312	339	8.29				6.75	6.85	0.1			
A30	8/18/2010	238	260	8.84				6.8	7.68	0.88			
A30	9/1/2010	224	227	1.33				6.99	6.69	0.3			
A30	10/20/2010	223	208	6.96				7.36	6.56	0.8			
A30	11/4/2010	221	223	0.90				7.4	7.33	0.07			
A30	12/1/2010	197	80	84.48	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past hold time. Discrepancy between values remains. Multiple flagged conductivity values on December 1, 2010 suggests calibration on field meter may have been off.	7.17	6.86	0.31			

RPD > 50% or pH difference > 1.5 pH unit

RPD > 20% or pH difference > 1 pH unit

Table C-55: Rose Creek Drainage Water 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
ETA Combined	9/2/2010	7060	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			4.85	5.98	1.13	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
ETA Combined	10/20/2010	7510	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			4.89	6.3	1.41	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
ETA Combined	11/8/2010	7450	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			5.05	6.05	1	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
ETA Combined	12/1/2010	7360	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			5.29	6.24	0.95			
FAROCCR	5/3/2010	50	78	43.75	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.3	7.54	0.24			
FAROCCR	6/5/2010	29	21	32.00	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.2	7.84	0.64			
FAROCCR	7/8/2010	48	42	13.33				7.5	8.16	0.66			
FAROCCR	8/3/2010	81	79	2.50				7.79	7.33	0.46			
FAROCCR	9/1/2010	85	80	6.06				7.69	7.75	0.06			
FAROCCR	10/19/2010	77	244	104.05	Field and lab values correctly entered into emLine.	Request Retest	Retest performed, see results below.	7.67	7.26	0.41			
FAROCCR Retest	10/19/2010	74	244	106.92	Retest for October 19 FAROCCR EC. Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.67	7.26	0.41			
FCO	6/16/2010	118	122	3.33				7.1	7.85	0.75			
FCO	10/7/2010	123	70	54.92	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past hold time. Discrepancy between values remains.	7.2	7.52	0.32			

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

Table C-55: Rose Creek Drainage Water 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
FCS-4	9/2/2010	6080	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			5.28	6.34	1.06	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
FCS-4	10/20/2010	7180	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			4.61	6.5	1.89	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past hold time. Discrepancy between values remains.
FCS-4	11/10/2010	7160	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			5.06	6.63	1.57	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past sample hold time. Discrepancy between values remains.
FCS-4	12/2/2010	6890	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			4.73	6.67	1.94	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past sample hold time. Discrepancy between values remains.
GDHSECK	3/4/2010	1230	1110	10.26				8.1	7.56	0.54			
GDHSECK	6/16/2010	1230	1238	0.65				8.1	8.19	0.09			
GDHSECK	10/6/2010	1110	1234	10.58				8.07	7.05	1.02	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
NE1	6/1/2010	480	627	26.56	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.8	7.46	0.34			
NF1	2/23/2010	297	240	21.23	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains. Multiple flagged conductivity values on February 23, 2010 suggests calibration on field meter may have been off.	7.9	7.77	0.13			
NF1	3/10/2010	298	269	10.23				8	7.84	0.16			
NF1	4/11/2010	325	260	22.22	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains. Multiple flagged conductivity values on April 11, 2010 suggests calibration on field meter may have been off.	7.9	7.37	0.53			
NF1	5/3/2010	103	90	13.47				7.6	7.43	0.17			
NF1	6/5/2010	97	99	2.04				7.6	7.84	0.24			
NF1	7/8/2010	134	129	3.80				7.91	7.71	0.2			
NF1	8/3/2010	355	421	17.01				7.26	6.68	0.58			

RPD > 50% or pH difference > 1.5 pH unit

RPD > 20% or pH difference > 1 pH unit

Table C-55: Rose Creek Drainage Water 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
NF2	1/12/2010	286	266	7.25				7.7	6.86	0.84			
NF2	2/23/2010	295	230	24.76	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains. Multiple flagged conductivity values on February 23, 2010 suggests calibration on field meter may have been off.	8	7.71	0.29			
NF2	3/10/2010	298	267	10.97				8	7.62	0.38			
NF2	4/14/2010	308	270	13.15				8.2	7.48	0.72			
NF2	5/3/2010	107	97	9.80				7.6	7.29	0.31			
NF2	6/4/2010	87	81	7.14				7.6	7.86	0.26			
NF2	7/8/2010	136	154	12.41				7.91	8.18	0.27			
NF2	8/3/2010	196	193	1.54				8.01	7.5	0.51			
NF2	9/1/2010	203	222	8.94				7.92	8.1	0.18			
NF2	10/18/2010	215	200	7.23				7.9	7.46	0.44			
NF2	11/9/2010	258	252	2.35				8.06	8.08	0.02			
NF2	12/1/2010	262	120	74.35	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past hold time. Discrepancy between values remains. Multiple flagged conductivity values on December 1, 2010 suggests calibration on field meter may have been off.	7.93	7.41	0.52			
NFRC SC-1	1/12/2010	288	252	13.33				7.6	6.84	0.76			
NFRC SC-1	2/23/2010	298	250	17.52				8	7.75	0.25			
NFRC SC-1	3/10/2010	304	269	12.22				8	7.83	0.17			
NFRC SC-1	4/14/2010	304	260	15.60				8.1	7.19	0.91			
NFRC SC-1	5/3/2010	108	96	11.76				7.6	7.57	0.03			
NFRC SC-1	6/4/2010	88	84	4.65				7.6	7.65	0.05			
NFRC SC-1	7/8/2010	137	129	6.02				7.89	8.05	0.16			
NFRC SC-1	8/3/2010	197	192	2.57				8.04	7.64	0.4			
NFRC SC-1	10/18/2010	217	197	9.66				8.03	7.47	0.56			
NFRC SC-2	1/12/2010	287	250	13.78				7.6	6.95	0.65			
NFRC SC-2	2/23/2010	300	240	22.22	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.9	7.77	0.13			
NFRC SC-2	3/10/2010	301	269	11.23				8	7.61	0.39			
NFRC SC-2	4/14/2010	309	270	13.47				8.1	7.24	0.86			
NFRC SC-2	5/3/2010	109	99	9.62				7.6	7.72	0.12			
NFRC SC-2	6/4/2010	89	86	3.43				7.6	7.68	0.08			
NFRC SC-2	7/8/2010	135	129	4.55				7.82	7.97	0.15			
NFRC SC-2	8/3/2010	196	186	5.24				8.04	7.54	0.5			
NFRC SC-2	10/18/2010	219	198	10.07				8.03	7.47	0.56			

RPD > 50% or pH difference > 1.5 pH unit

RPD > 20% or pH difference > 1 pH unit

Table C-55: Rose Creek Drainage Water 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
NFRC SC-3	1/12/2010	288	257	11.38				7.8	7	0.8			
NFRC SC-3	2/23/2010	297	260	13.29				8	7.66	0.34			
NFRC SC-3	3/10/2010	304	270	11.85				8	7.68	0.32			
NFRC SC-3	4/14/2010	308	270	13.15				8.1	7.31	0.79			
NFRC SC-3	5/3/2010	109	96	12.68				7.6	7.46	0.14			
NFRC SC-3	6/4/2010	89	84	5.78				7.6	7.69	0.09			
NFRC SC-3	7/8/2010	136	130	4.51				7.9	7.97	0.07			
NFRC SC-3	8/3/2010	195	191	2.07				8.03	7.69	0.34			
NFRC SC-3	10/18/2010	218	197	10.12				8.04	7.56	0.48			
NFRC SC-4	1/11/2010	294	255	14.21				7.8	6.95	0.85			
NFRC SC-4	2/23/2010	303	260	15.28				7.9	7.49	0.41			
NFRC SC-4	3/10/2010	305	271	11.81				8	7.82	0.18			
NFRC SC-4	4/14/2010	316	270	15.70				8.1	7.47	0.63			
NFRC SC-4	5/3/2010	112	95	16.43				7.7	7.54	0.16			
NFRC SC-4	6/4/2010	89	86	3.43				7.6	7.71	0.11			
NFRC SC-4	7/8/2010	136	128	6.06				7.83	7.87	0.04			
NFRC SC-4	8/3/2010	196	203	3.51				8.06	7.88	0.18			
NFRC SC-4	10/18/2010	220	195	12.05				8.13	7.58	0.55			
NWID	2/22/2010	399	340	15.97				8.1	8.01	0.09			
NWID	3/10/2010	405	362	11.21				8.1	7.87	0.23			
NWID	4/15/2010	411	420	2.17				8.3	7.74	0.56			
NWID	5/3/2010	155	137	12.33				7.7	7.77	0.07			
NWID	6/4/2010	202	208	2.93				8	8.03	0.03			
NWID	7/10/2010	293	307	4.67				8.05	8.15	0.1			
NWID	8/3/2010	336	340	1.18				8.19	7.79	0.4			

RPD > 50% or pH difference > 1.5 pH unit

RPD > 20% or pH difference > 1 pH unit

Table C-55: Rose Creek Drainage Water 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
R10	1/11/2010	283	241	16.03				7.7	7.06	0.64			
R10	2/23/2010	292	235	21.63	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains. Multiple flagged conductivity values on February 23, 2010 suggests calibration on field meter may have been off.	8.1	7.87	0.23			
R10	3/10/2010	292	259	11.98				8	7.79	0.21			
R10	4/11/2010	298	240	21.56	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains. Multiple flagged conductivity values on April 11, 2010 suggests calibration on field meter may have been off.	7.9	7.43	0.47			
R10	5/3/2010	111	95	15.53				7.7	7.7	0			
R10	6/5/2010	98	103	4.98				7.7	7.93	0.23			
R10	7/8/2010	132	125	5.45				7.84	7.94	0.1			
R10	8/3/2010	190	188	1.06				8.11	7.46	0.65			
R10	9/1/2010	193	187	3.16				7.99	7.79	0.2			
R10	10/19/2010	213	207	2.86				7.95	7.65	0.3			
R10	11/10/2010	256	234	8.98				7.94	7.86	0.08			
R10	12/1/2010	258	350	30.26	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	8.03	7.58	0.45			
R7	1/11/2010	254	235	7.77				7.9	7.21	0.69			
R7	2/23/2010	266	260	2.28				8	7.95	0.05			
R7	3/10/2010	268	239	11.44				8.1	7.78	0.32			
R7	4/11/2010	275	240	13.59				8.1	7.78	0.32			
R7	5/3/2010	106	91	15.23				7.8	7.66	0.14			
R7	6/5/2010	101	97	4.04				7.7	7.85	0.15			
R7	7/8/2010	128	122	4.80				7.89	8.04	0.15			
R7	8/3/2010	180	183	1.65				8.13	7.37	0.76			
R7	9/1/2010	180	186	3.28				8.03	7.84	0.19			
R7	10/19/2010	198	198	0.00				7.98	7.2	0.78			
R7	11/10/2010	229	215	6.31				8.02	7.9	0.12			
R7	12/1/2010	239	100	82.01	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past hold time. Discrepancy between values remains. Multiple flagged conductivity values on December 1, 2010 suggests calibration on field meter may have been off.	8.04	7.12	0.92			

RPD > 50% or pH difference > 1.5 pH unit

RPD > 20% or pH difference > 1 pH unit

Table C-55: Rose Creek Drainage Water 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
R8	1/11/2010	256	221	14.68				7.9	6.91	0.99			
R8	2/23/2010	252	220	13.56				8.2	7.94	0.26			
R8	3/10/2010	271	244	10.49				8.1	7.84	0.26			
R8	4/11/2010	274	230	17.46				8.1	7.73	0.37			
R8	5/3/2010	101	87	14.89				7.7	7.51	0.19			
R8	6/5/2010	89	89	0.00				7.7	7.92	0.22			
R8	7/8/2010	123	121	1.64				7.99	8.09	0.1			
R8	8/3/2010	176	177	0.57				8.13	7.26	0.87			
R8	9/1/2010	172	172	0.00				8	7.66	0.34			
R8	10/19/2010	191	193	1.04				7.98	7.8	0.18			
R8	11/10/2010	229	195	16.04				8.03	7.76	0.27			
R8	12/1/2010	233	100	79.88	Field and lab values correctly entered into emLine.	Let Value Stand		8.05	7.28	0.77	Retest request would be filed past hold time. Discrepancy between values remains. Multiple flagged conductivity values on December 1, 2010 suggests calibration on field meter may have been off.		
R9	1/11/2010	279	272	2.54				7.8	7.11	0.69			
R9	2/23/2010	289	250	14.47				8.1	7.73	0.37			
R9	3/10/2010	293	262	11.17				8.1	7.88	0.22			
R9	4/11/2010	292	230	23.75	Field and lab values correctly entered into emLine.	Let Value Stand		8.1	7.81	0.29	Discrepancy between lab and field values remains. Multiple flagged conductivity values on April 11, 2010 suggests calibration on field meter may have been off.		
R9	5/3/2010	108	95	12.81				7.7	7.78	0.08			
R9	6/5/2010	97	101	4.04				7.7	8.05	0.35			
R9	7/8/2010	1	127	196.88	Field and lab values correctly entered into emLine.	Request Retest		7.91	8.01	0.1	Retest not possible because was requested too late. Remainder of samples had been discarded. Discrepancy between values remains.		
R9	8/3/2010	190	194	2.08				8.15	7.47	0.68			
R9	9/1/2010	197	187	5.21				7.88	7.81	0.07			
R9	10/19/2010	213	211	0.94				7.99	7.6	0.39			
R9	11/10/2010	254	254	0.00				8.01	7.87	0.14			
R9	12/1/2010	260	120	73.68	Field and lab values correctly entered into emLine.	Let Value Stand		7.86	7.46	0.4	Retest request would be filed past hold time. Discrepancy between values remains. Multiple flagged conductivity values on December 1, 2010 suggests calibration on field meter may have been off.		

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

Table C-55: Rose Creek Drainage Water 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
RCSG#4	1/12/2010	313	310	0.96				7.9	7.23	0.67			
RCSG#4	3/10/2010	320	285	11.57				8	7.75	0.25			
RCSG#4	4/13/2010	331	300	9.83				7.8	7.35	0.45			
RCSG#4	5/3/2010	130	115	12.24				7.8	7.64	0.16			
RCSG#4	6/4/2010	92	92	0.00				7.6	7.84	0.24			
RCSG#4	7/8/2010	126	126	0.00				7.78	7.94	0.16			
RCSG#4	8/3/2010	200	207	3.44				8	7.5	0.5			
SP5-6	6/1/2010	1050	1172	10.98				8	7.45	0.55			
SP5-6	7/10/2010	1080	1049	2.91				7.65	7.5	0.15			
SP5-6	8/5/2010	1280	1216	5.13				7.87	7.49	0.38			
SP5-6	9/1/2010	1450	1439	0.76				7.91	7.63	0.28			
SP5-6	10/6/2010	1590	1786	11.61				8.02	6.84	1.18	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
W10	5/3/2010	77	109	34.41	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.7	7.71	0.01			
W10	6/5/2010	75	68	9.79				7.6	7.76	0.16			
W10	7/10/2010	103	101	1.96				7.67	8.08	0.41			
W5	6/1/2010	752	1680	76.32	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.	8.1	7.63	0.47			
W8	6/17/2010	116	106	9.01				7.8	7.72	0.08			
Weir 3	3/4/2010	1780	1730	2.85				7.8	6.97	0.83			
Weir 3	8/5/2010	1840	1870	1.62				7.61	6.96	0.65			
X10	1/11/2010	326	286	13.07				8	7.13	0.87			
X10	2/22/2010	329	280	16.09				8	7.46	0.54			
X10	3/10/2010	334	292	13.42				8.1	7.51	0.59			
X10	4/13/2010	340	310	9.23				7.9	7.55	0.35			
X10	5/3/2010	129	112	14.11				7.8	7.79	0.01			
X10	6/4/2010	99	111	11.43				7.8	8.05	0.25			
X10	7/8/2010	134	128	4.58				7.95	8.09	0.14			
X10	8/3/2010	205	205	0.00				8.18	8.01	0.17			
X10	9/2/2010	196	194	1.03				8.01	7.42	0.59			
X10	10/21/2010	257	244	5.19				8.16	7.93	0.23			
X10	11/9/2010	274	268	2.21				8.18	7.52	0.66			
X10	12/1/2010	275	240	13.59				8.03	7.87	0.16			
X11	3/4/2010	2650	2460	7.44				7.6	7.05	0.55			
X11	8/5/2010	2540	2289	10.40				7.37	6.91	0.46			
X12	3/4/2010	1560	1460	6.62				7.8	7.27	0.53			
X12	8/5/2010	1490	1243	18.08				7.65	7.3	0.35			

RPD > 50% or pH difference > 1.5 pH unit

RPD > 20% or pH difference > 1 pH unit



Table C-55: Rose Creek Drainage Water 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
X13	1/11/2010	1700	1430	17.25				7.9	6.08	1.82	Field and lab values correctly entered into emLine.	<b>Request Retest</b>	Retest not possible because was requested too late. Remainder of samples had been discarded. Discrepancy between values remains.
X13	2/17/2010	2220	2240	0.90				7.8	7.17	0.63			
X13	3/2/2010	2220	1780	22.00	Field and lab values correctly entered into emLine.	<b>Let Value Stand</b>	Discrepancy between lab and field values remains.	7.7	7	0.7			
X13	4/15/2010	2100	2220	5.56				7.8	6.96	0.84			
X13	5/6/2010	2240	2229	0.49				7.6	7.13	0.47			
X13	6/10/2010	2030	1859	8.79				8.0	7.00	1	Field and lab values correctly entered into emLine.	<b>Let Value Stand</b>	Discrepancy between lab and field values remains.
X13	7/11/2010	2160	1999	7.74				7.49	7.38	0.11			
X13	8/5/2010	2110	1798	15.97				7.51	7.12	0.39			
X13	9/2/2010	2050	2164	5.41				7.6	7.2	0.4			
X13	10/7/2010	2170	1270	52.33	Field and lab values correctly entered into emLine.	<b>Let Value Stand</b>	Retest request would be filed past hold time. Discrepancy between values remains.	7.55	6.19	1.36	Field and lab values correctly entered into emLine.	<b>Let Value Stand</b>	Discrepancy between lab and field values remains.
X13	11/4/2010	2200	2165	1.60				7.8	7.17	0.63			
X13	12/2/2010	2310	2400	3.82				7.57	7.07	0.5			

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

Table C-55: Rose Creek Drainage Water 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
X14	1/11/2010	741	624	17.14				8	6.76	1.24	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X14	2/22/2010	765	720	6.06				8	6.91	1.09	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X14	3/10/2010	837	757	10.04				7.9	7.71	0.19			
X14	3/22/2010	894	749	17.65				8.2	7.49	0.71			
X14	3/30/2010	1130	1030	9.26				8	7.37	0.63			
X14	4/6/2010	1170	1100	6.17				8	7.4	0.6			
X14	4/13/2010	1160	1027	12.16				8	7.85	0.15			
X14	4/20/2010	873	1914	74.70	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	7.44	0.56			
X14	4/27/2010	362	357	1.39				8	7.3	0.7			
X14	5/4/2010	563	506	10.66				8	7.53	0.47			
X14	5/11/2010	501	471	6.17				8	7.65	0.35			
X14	5/18/2010	382	360	5.93				7.8	8.02	0.22			
X14	5/25/2010	229	243	5.93				7.8	8.01	0.21			
X14	6/1/2010	309	345	11.01				7.3	8.14	0.84			
X14	6/8/2010	376	380	1.06				7.9	7.93	0.03			
X14	6/15/2010	446	420	6.00				8.1	7.87	0.23			
X14	6/22/2010	454	438	3.59				8.1	7.75	0.35			
X14	6/29/2010	511	501	1.98				7.95	7.35	0.6			
X14	7/6/2010	383	395	3.08				7.8	8.01	0.21			
X14	7/13/2010	500	456	9.21				7.78	8.19	0.41			
X14	7/20/2010	594	1693	96.11	Lab value correctly entered into emLine, but field value incorrectly entered.	Change Value	Field value changed; now correctly entered into emLine (see below).	7.99	7.76	0.23			
X14	7/20/2010	594	563	5.36	Lab value correctly entered into emLine, and incorrect field value amended (see above).	Let Value Stand	Discrepancy between lab and field values resolved.	7.99	7.76	0.23			
X14	7/27/2010	637	606	4.99				7.99	8.11	0.12			
X14	8/3/2010	311	338	8.32				8.08	7.99	0.09			
X14	8/10/2010	638	658	3.09				7.78	7.92	0.14			
X14	8/17/2010	660	614	7.22				8.11	7.92	0.19			
X14	8/24/2010	496	423	15.89				8.09	8.67	0.58			
X14	8/31/2010	610	650	6.35				8.17	7.96	0.21			
X14	9/7/2010	503	532	5.60				7.93	8.27	0.34			
X14	10/21/2010	471	426	10.03				8.14	7.8	0.34			
X14	11/9/2010	491	500	1.82				8.19	7.89	0.3			
X14	11/18/2010	1080	1010	6.70				8.05	7.75	0.3			
X14	11/25/2010	1020	1008	1.18				7.73	8.21	0.48			
X14	12/2/2010	984	1000	1.61				7.95	7.7	0.25			

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

Table C-55: Rose Creek Drainage Water 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
X2	1/11/2010	305	266	13.66				7.5	6.94	0.56			
X2	2/22/2010	322	288	11.15				7.8	7.31	0.49			
X2	3/10/2010	318	132	82.67	Field and lab values correctly entered into emLine.	Request Retest	Retest not possible because was requested too late. Remainder of sample had been discarded.	7.8	7.27	0.53			
X2	4/14/2010	352	290	19.31				8.2	7.03	1.17	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X2	5/3/2010	113	188	49.83	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.7	7.46	0.24			
X2	6/4/2010	92	94	2.15				7.6	7.81	0.21			
X2	7/8/2010	139	131	5.93				7.91	7.82	0.09			
X2	8/3/2010	201	197	2.01				8.16	7.68	0.48			
X2	9/2/2010	208	189	9.57				7.96	7.37	0.59			
X2	10/18/2010	226	220	2.69				7.96	7.6	0.36			
X2	11/9/2010	268	258	3.80				8.05	7.98	0.07			
X2	12/1/2010	271	130	70.32	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past hold time. Discrepancy between values remains. Multiple flagged conductivity values on December 1, 2010 suggests calibration on field meter may have been off.	7.92	7.2	0.72			
X22b	1/11/2010	1360	1146	17.08				7.5	6.4	1.1	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X22b	2/22/2010	1290	1210	6.40				7.5	7.44	0.06			
X22b	3/10/2010	1270	1171	8.11				7.6	7.04	0.56			
X22b	4/13/2010	1280	1230	3.98				7.3	6.89	0.41			
X22b	5/3/2010	369	344	7.01				7.4	7.23	0.17			
X22b	6/4/2010	1200	1178	1.85				7.5	7.14	0.36			
X22b	7/10/2010	1230	1163	5.60				7.43	7.33	0.1			
X22b	8/3/2010	1240	1215	2.04				7.63	6.55	1.08	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X22b	9/1/2010	1270	1222	3.85				7.64	7.25	0.39			
X22b	10/20/2010	1310	1328	1.36				7.67	6.25	1.42	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X22b	11/8/2010	1340	1190	11.86				7.69	7.46	0.23			
X22b	12/1/2010	1350	1340	0.74				7.63	6.9	0.73			

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

Table C-55: Rose Creek Drainage Water 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
X23	1/12/2010	8450	7990	5.60				6.1	6.23	0.13			
X23	4/27/2010	7030	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			2.9	2.96	0.06			
X23	5/6/2010	7450	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.3	6.55	0.25			
X23	6/10/2010	7920	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			5.9	6.99	1.09	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X23	7/10/2010	8090	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			5.9	6.16	0.26			
X23	8/5/2010	7900	7450	5.86				6.28	7.12	0.84			
X23	9/2/2010	7900	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.32	6.18	0.14			
X23	10/7/2010	7610	4300	55.58	Field and lab values correctly entered into emLine.	Let Value Stand	Retest request would be filed past hold time. Discrepancy between values remains.	6.05	6.19	0.14			
X23	11/4/2010	7740	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			6.81	6.61	0.2			
X3	1/11/2010	303	266	13.01				7.6	6.92	0.68			
X3	2/22/2010	314	292	7.26				7.9	7.35	0.55			
X3	3/9/2010	316	260	19.44				7.9	7.39	0.51			
X3	4/14/2010	327	290	11.99				8.2	7.02	1.18	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X3	5/3/2010	117	114	2.60				7.4	7.74	0.34			
X3	6/4/2010	84	86	2.35				7.7	7.83	0.13			
X3	7/8/2010	118	111	6.11				7.85	7.91	0.06			
X3	8/3/2010	189	183	3.23				8.16	7.86	0.3			
X3	9/2/2010	186	205	9.72				7.99	7.34	0.65			
X3	10/21/2010	234	225	3.92				8.05	7.57	0.48			
X3	11/9/2010	258	256	0.78				8.1	7.92	0.18			
X3	12/1/2010	259	230	11.86				7.95	7.62	0.33			

RPD > 50% or pH difference > 1.5 pH unit

RPD > 20% or pH difference > 1 pH unit

Table C-55: Rose Creek Drainage Water 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
X3A	9/2/2010	206	192	7.04				7.99	7.5	0.49			
X3A	10/21/2010	244	268	9.38				8.11	7.84	0.27			
X3A	11/9/2010	264	266	0.75				8.14	7.97	0.17			
X3A	12/1/2010	263	240	9.15				7.99	7.75	0.24			
X4	1/11/2010	2210	1791	20.94	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	3.4	3.02	0.38			
X4	2/22/2010	1970	1820	7.92				4	4.82	0.82			
X4	3/9/2010	1390	1350	2.92				6.5	6.35	0.15			
X4	4/13/2010	1340	1350	0.74				6.1	6.36	0.26			
X4	5/3/2010	1010	877	14.10				4.7	4.51	0.19			
X4	6/4/2010	1940	1868	3.78				3.2	3.12	0.08			
X4	7/10/2010	1930	1871	3.10				3.32	3.12	0.2			
X4	8/3/2010	1950	2020	3.53				3.39	460	456.61	Lab value correctly entered into emLine, but field value incorrectly entered.	Change Value	Field value changed; now correctly entered into emLine (see below).
X4	8/3/2010	1950	2020	3.53				3.39	4.6	1.21	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.
X4	9/2/2010	1880	1752	7.05				3.48	4.69	1.21	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X4	10/20/2010	1590	1511	5.10				5.61	6.65	1.04	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X4	11/8/2010	1860	1632	13.06				3.73	4.49	0.76			
X4	12/1/2010	1310	1429	8.69				6.32	6.36	0.04			

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

Table C-55: Rose Creek Drainage Water 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
X5	3/22/2010	1810	1580	13.57				8.1	7.11	0.99			
X5	3/30/2010	1800	1700	5.71				7.9	7.02	0.88			
X5	4/6/2010	1880	1720	8.89				7.8	7	0.8			
X5	4/13/2010	1840	1561	16.41				7.6	7.41	0.19			
X5	4/20/2010	1820	1947	6.74				7.7	6.85	0.85			
X5	4/27/2010	1450	1399	3.58				7.9	7.19	0.71			
X5	5/4/2010	1620	1433	12.25				7.9	7.06	0.84			
X5	5/11/2010	1490	1390	6.94				7.9	7.45	0.45			
X5	5/18/2010	1350	1310	3.01				8	7.37	0.63			
X5	5/25/2010	1430	1441	0.77				7.9	7.51	0.39			
X5	6/1/2010	1670	1740	4.11				8.1	7.51	0.59			
X5	6/8/2010	1740	1664	4.47				7.9	7.49	0.41			
X5	6/15/2010	1760	1670	5.25				8.2	7.48	0.72			
X5	6/22/2010	1710	1605	6.33				8.2	7.63	0.57			
X5	6/29/2010	1770	1725	2.58				7.82	6.80	1.02	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.
X5	7/6/2010	2280	1705	28.86	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.89	7.57	0.32			
X5	7/13/2010	1810	1567	14.39				7.97	7.85	0.12			
X5	7/20/2010	1830	1674	8.90				7.85	7.69	0.16			
X5	7/27/2010	1780	1589	11.34				7.92	7.83	0.09			
X5	8/10/2010	1780	1806	1.45				7.76	8.02	0.26			
X5	8/17/2010	1750	1594	9.33				7.99	7.74	0.25			
X5	8/24/2010	1740	1266	31.54	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	8.01	7.98	0.03			
X5	8/31/2010	1770	1860	4.96				7.84	7.64	0.2			
X5	9/7/2010	1840	1708	7.44				7.84	7.65	0.19			
X5	11/18/2010	2360	2219	6.16				7.94	7.3	0.64			
X5	11/25/2010	2500	2414	3.50				7.43	7.57	0.14			
X5	12/2/2010	2470	2590	4.74				7.73	6.88	0.85			
X5P	1/11/2010	1860	1559	17.61				7.6	6.63	0.97			
X5P	2/22/2010	1740	1569	10.34				7.7	7.21	0.49			
X5P	3/2/2010	1750	1420	20.82	Field and lab values correctly entered into emLine.	Let Value Stand	Discrepancy between lab and field values remains.	7.7	7.03	0.67			
X5P	4/13/2010	1780	1488	17.87				7.5	7.84	0.34			
X5P	5/3/2010	877	744	16.41				7.8	7.75	0.05			
X5P	6/4/2010	1740	1682	3.39				7.7	7.13	0.57			
X5P	7/10/2010	1780	1680	5.78				7.79	7.64	0.15			
X5P	8/3/2010	1800	1665	7.79				8	7.17	0.83			
X5P	9/2/2010	1760	1687	4.24				7.75	7.53	0.22			
X5P	10/20/2010	2070	1955	5.71				8.06	7.38	0.68			
X5P	11/8/2010	2150	1918	11.41				7.92	7.84	0.08			
X5P	12/1/2010	2130	2204	3.41				7.95	7.45	0.5			

RPD > 50% or pH difference > 1.5 pH unit

RPD > 20% or pH difference > 1 pH unit

Table C-55: Rose Creek Drainage Water 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
X7	6/1/2010	8550	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			5.4	5.59	0.19			
X7	10/6/2010	8490	>3999	#VALUE!	Field and lab values not comparable because conductivity greater than maximum measurable level for field meter used.			5.18	5.42	0.24			

RPD > 50% or pH difference > 1.5 pH unit

RPD > 20% or pH difference > 1 pH unit





Table C-56: Rose Creek Drainage Groundwater Quality  
2010 QA/QC Field Blanks - General Parameters

Station	Date	Sample Type	Acid(pH4.5) mg/L	Acid(pH8.3) mg/L	ALK mg/L	ALKPP mg/L	CaCO3 mg/L	CaCO3-d mg/L	Cl-d mg/L	CO3 mg/L	Colour TCU	COND µmho/cm	DOC mg/L	HCO3 mg/L	NH3 mg/L	OH mg/L	pH	SO4-d mg/L	TDS mg/L	TOC mg/L	TSS mg/L	TURB NTU
P03-06-3	6/14/2010	FIELD BLANK	<0.5	4	<0.5	<0.5		<0.5		<0.5		6.0		0.60		<0.5	5.10	<0.5			<1	
Deionized Water			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.005	<0.5	5.95	<0.5	<10.0	<0.5	<4.0	<0.1
Times greater than DI water			1	8.4	1	1	0	1	0	1	0	6	0	1.2	0	1	0.85	1	0	0	0.25	0
Comments			Blank concentration > PQL and correctly entered into emLine.									Blank concentration > PQL and correctly entered into emLine.										
Action			Let Value Stand									Let Value Stand										
Result			High blank value remains.									High blank value remains.										
SRK08-SP7B	7/25/2010	FIELD BLANK	<0.5	1	1.10	<0.5		1	<0.5	<0.5		<1		1.40		<0.5	5.67	<0.5			<1	
Deionized Water			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.005	<0.5	5.95	<0.5	<10.0	<0.5	<4.0	<0.1
Times greater than DI water			1	2	2.2	1	0	1.8	1	1	0	1	0	2.8	0	1	0.28	1	0	0	0.25	0
Comments																						
Action																						
Result																						
X26	9/1/2010	FIELD BLANK	<0.5	<0.5	1.00	<0.5		1	<0.5	<0.5		4.0		1.30		<0.5	5.42	<0.5			<1	
Deionized Water			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.005	<0.5	5.95	<0.5	<10.0	<0.5	<4.0	<0.1
Times greater than DI water			1	1	2	1	0	1.8	1	1	0	4	0	2.6	0	1	0.53	1	0	0	0.25	0
Comments																						
Action																						
Result																						
P01-01A	9/8/2010	FIELD BLANK	<0.5	1	1.50	<0.5		1	<0.5	<0.5		2.0		1.80		<0.5	6.07	<0.5			<1	
Deionized Water			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.005	<0.5	5.95	<0.5	<10.0	<0.5	<4.0	<0.1
Times greater than DI water			1	2.2	3	1	0	2.4	1	1	0	2	0	3.6	0	1	0.12	1	0	0	0.25	0
Comments																						
Action																						
Result																						
X16B	9/8/2010	FIELD BLANK	<0.5	1	<0.5	<0.5		1	<0.5	<0.5		2.0		<0.5		<0.5	5.72	<0.5			<1	
Deionized Water			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.005	<0.5	5.95	<0.5	<10.0	<0.5	<4.0	<0.1
Times greater than DI water			1	1.6	1	1	0	2.2	1	1	0	2	0	1	0	1	0.23	1	0	0	0.25	0
Comments																						
Action																						
Result																						
X24-96D	9/9/2010	FIELD BLANK	<0.5	1	1.50	<0.5		<0.5	<0.5	<0.5		2.0		1.80		<0.5	5.97	<0.5			<1	
Deionized Water			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.005	<0.5	5.95	<0.5	<10.0	<0.5	<4.0	<0.1
Times greater than DI water			1	2.4	3	1	0	1	1	1	0	2	0	3.6	0	1	0.02	1	0	0	0.25	0
Comments																						
Action																						
Result																						
SRK08-SP7A	11/2/2010	FIELD BLANK	<0.5	<0.5	0.90	<0.5		<0.5	<0.5	<0.5		2.0		1.00		<0.5	5.65	<0.5			<1	
Deionized Water			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<0.5	<0.005	<0.5	5.95	<0.5	<10.0	<0.5	<4.0	<0.1
Times greater than DI water			1	1	1.8	1	0	1	1	1	0	2	0	2	0	1	0.30	1	0	0	0.25	0
Comments																						
Action																						
Result																						

Blank value < PQL  
 Blank value is a detection limit higher than that of DI water  
 Blank value > PQL and < retest limit  
 Blank value > retest limit (20X DI Water Detection Limit, or >1 pH unit difference from DI Water)



Station	Date	Sample Type	Ag-d µg/L	Al-d µg/L	As-d µg/L	Ba-d µg/L	B-d µg/L	Be-d µg/L	Bi-d µg/L	Ca-d mg/L	Cd-d µg/L	Co-d µg/L	Cr-d µg/L	Cu-d µg/L	Fe-d µg/L	K-d mg/L	Li-d mg/L	Mg-d mg/L	Mn-d µg/L	Mo-d µg/L						
P03-06-3	6/14/2010	FIELD BLANK	<0.02	<3	<0.1	2.000	<50	<0.1	<1	<0.05	<0.01	<0.5	<1	<0.2	31.00	<0.05	<0.005	<0.05	3.000	<1						
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05						
Times greater than DI water			4	15	5	100	1	10	200	1	2	100	10	4	31	1	0.01	1	60	20						
Comments			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.		
Action			Let Value Stand			Let Value Stand			Let Value Stand			Let Value Stand			Request Retest			Let Value Stand			Let Value Stand					
Result						High blank value remains.									Retest performed, see results below.			High blank value remains.								
P03-06-3 Retest	6/14/2010	FIELD BLANK	<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	152.00	<0.05	<0.5	<0.05	<0.05	<0.05						
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05						
Times greater than DI water			0	0	0	0	0	0	0	0	0	0	0	0	152	0	0	0	0	0						
Comments															Retest for June 14 P03-06-3 blank. Blank concentration > PQL and correctly entered into emLine.											
Action															Let Value Stand											
Result															New blank value entered into emLine.											
SRK08-SP7B	7/25/2010	FIELD BLANK	<0.02	4.00	<0.1	<1	<50	<0.1	<1	0.10	0.05	<0.5	<1	<0.2	9.00	<0.05	<0.005	0.16	12.000	<1						
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05						
Times greater than DI water			4	20	5	50	1	10	200	2	10	100	10	4	9	1	0.01	3.2	240	20						
Comments			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.					
Action			Let Value Stand			Let Value Stand			Let Value Stand			Let Value Stand			Let Value Stand			Request Retest			Let Value Stand					
Result			High blank value remains.									Blank value remains.			Blank value remains.						Retest performed, see results below.					
SRK08-SP7B Retest	7/25/2010	FIELD BLANK	<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<1						
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05						
Times greater than DI water			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20						
Comments																		Retest for July 25 SRK08-SP7B blank. Blank value correctly entered into emLine. However concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.								
Action																		Let Value Stand								
Result																		New blank value entered into emLine.								
X26	9/1/2010	FIELD BLANK	<0.02	<3	<0.1	<1	<50	<0.1	<1	0.14	<0.01	<0.5	<1	0.5000	22.00	<0.05	<0.005	0.12	6.000	<1						
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05						
Times greater than DI water			4	15	5	50	1	10	200	2.8	2	100	10	10	22	1	0.01	2.4	120	20						
Comments			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank value correctly entered into emLine. However, blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank value correctly entered into emLine. However, blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration > PQL and correctly entered into emLine.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.		
Action			Let Value Stand			Let Value Stand			Let Value Stand			Let Value Stand			Let Value Stand			Let Value Stand			Request Retest			Let Value Stand		
Result															Blank value remains.			Blank value remains.			Retest performed, see results below.					

Blank value < PQL  
 Blank value is a detection limit higher than that of DI water  
 Blank value > PQL and < retest limit  
 Blank value > retest limit (20X DI Water Detection Limit)

Station	Date	Sample Type	Ag-d µg/L	Al-d µg/L	As-d µg/L	Ba-d µg/L	B-d µg/L	Be-d µg/L	Bi-d µg/L	Ca-d mg/L	Cd-d µg/L	Co-d µg/L	Cr-d µg/L	Cu-d µg/L	Fe-d µg/L	K-d mg/L	Li-d mg/L	Mg-d mg/L	Mn-d µg/L	Mo-d µg/L
X26 Retest	9/1/2010	FIELD BLANK	<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	4.000	<0.05
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05
Times greater than DI water			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	0
Comments			Retest for September 1 X26 field blank. Blank value correctly entered into emLine. However concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.																	
Action			Let Value Stand																	
Result			New blank value entered into emLine.																	
P01-01A	9/8/2010	FIELD BLANK	<0.005	2.00	<0.02	0.810	<50	<0.01	<0.005	0.35	<0.005	0.0160	<0.1	0.1600	4.00	0.17	<0.0005	0.07	2.430	<0.05
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05
Times greater than DI water			1	10	1	40.5	1	1	1	7	1	3.2	1	3.2	4	3.4	0.001	1.4	48.6	1
Comments			Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.		
Action			Let Value Stand			Request Retest			Let Value Stand			Request Retest			Request Retest					
Result			High blank value remains.			Retest performed, see results below.			High blank value remains.			Retest performed, see results below.			Retest performed, see results below.					
P01-01A Retest	9/8/2010	FIELD BLANK	<0.005	<0.2	<0.02	0.810	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	2.250	<0.05
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05
Times greater than DI water			0	0	0	40.5	0	0	0	0	0	0	0	0	0	0	0	0	45	0
Comments			Retest for September 8 P01-01A blank. Blank concentration > PQL and correctly entered into emLine.																	
Action			Let Value Stand																	
Result			New blank value entered into emLine.																	
X16B	9/8/2010	FIELD BLANK	<0.005	1.40	<0.02	0.330	<50	<0.01	<0.005	0.32	<0.005	0.0060	<0.1	0.1400	2.00	0.09	<0.0005	0.06	1.760	<0.05
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05
Times greater than DI water			1	7	1	16.5	1	1	1	6.4	1	1.2	1	2.8	2	1.8	0.001	1.2	35.2	1
Comments			Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.		
Action			Let Value Stand			Let Value Stand			Let Value Stand			Request Retest			Request Retest					
Result			High blank value remains.			High blank value remains.			High blank value remains.			Retest performed, see results below.			Retest performed, see results below.					
X16B Retest	9/8/2010	FIELD BLANK	<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	1.610	<0.05
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05
Times greater than DI water			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32.2	0
Comments			Retest for September 8 X16B blank. Blank concentration > PQL and correctly entered into emLine.																	
Action			Let Value Stand																	
Result			New blank value entered into emLine.																	
X24-96D	9/9/2010	FIELD BLANK	<0.02	<3	<0.1	<1	<50	<0.1	<1	0.14	<0.01	<0.5	<1	<0.2	<5	0.22	<0.005	<0.05	<1	<1
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05
Times greater than DI water			4	15	5	50	1	200	2	100	10	4	5	4.4	0.01	1	20	20	20	20
Comments			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.																	
Action			Let Value Stand																	
Result			Let Value Stand																	
X24-96D Retest	9/9/2010	FIELD BLANK	<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05
Deionized Water			<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.005	<0.1	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05
Times greater than DI water			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Comments																				
Action																				
Result																				

Blank value < PQL  
 Blank value is a detection limit higher than that of DI water  
 Blank value > PQL and < retest limit  
 Blank value > retest limit (20X DI Water Detection Limit)

Station	Date	Sample Type	Ag-d µg/L	Al-d µg/L	As-d µg/L	Ba-d µg/L	B-d µg/L	Be-d µg/L	Bi-d µg/L	Ca-d mg/L	Cd-d µg/L	Co-d µg/L	Cr-d µg/L	Cu-d µg/L	Fe-d µg/L	K-d mg/L	Li-d mg/L	Mg-d mg/L	Mn-d µg/L	Mo-d µg/L			
SRK08-SP7A	11/2/2010	FIELD BLANK	<0.02	<3	<0.1	<1	<50	<0.1	<1	0.07	<0.01	<0.5	<1	<0.2	18.00	<0.05	<0.005	<0.05	3.000	<1			
		Deionized Water	<0.005	<0.2	<0.02	<0.02	<50	<0.01	<0.005	<0.05	<0.005	<0.1	<0.05	<0.05	<1	<0.05	<0.5	<0.05	<0.05	<0.05			
		Times greater than DI water	4	15	5	50	1	10	200	1.4	2	100	10	4	18	1	0.01	1	60	20			
		Comments	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.		
		Action	Let Value Stand			Let Value Stand			Let Value Stand			Let Value Stand			Let Value Stand			Let Value Stand					
		Result													High blank value remains.								

Blank value < PQL  
 Blank value is a detection limit higher than that of DI water  
 Blank value > PQL and < retest limit  
 Blank value > retest limit (20X DI Water Detection Limit)

Station	Date	Sample Type	Na-d mg/L	Ni-d µg/L	Pb-d µg/L	Sb-d µg/L	Se-d µg/L	Si-d µg/L	Sn-d µg/L	Sr-d µg/L	Ti-d µg/L	Tl-d µg/L	U-d µg/L	V-d µg/L	Zn-d µg/L	Zr-d µg/L
P03-06-3	6/14/2010	FIELD BLANK	<0.05	<1	2.4000	<0.5	<0.1	<100	<5	<1	<5	<0.05	<0.1	<5	<5	<0.5
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	1	50	480	25	2.5	1	500	20	10	25	50	25	50	5
		Comments		Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration > PQL and correctly entered into emLine.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.
		Action		Let Value Stand	Request Retest	Let Value Stand			Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand
		Result			Retest performed, see results below.											
P03-06-3 Retest	6/14/2010	FIELD BLANK			12.6000											
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	0	0	2520	0	0	0	0	0	0	0	0	0	0	0
		Comments			Retest for June 14 P03-06-3 blank. Blank concentration > PQL and correctly entered into emLine.											
		Action			Let Value Stand											
		Result			New blank value entered into emLine.											
SRK08-SP7B	7/25/2010	FIELD BLANK	<0.05	<1	0.4000	<0.5	<0.1	<100	<5	<1	<5	<0.05	<0.1	<5	68.000	<0.5
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	1	50	80	25	2.5	1	500	20	10	25	50	25	680	5
		Comments		Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank value correctly entered into emLine. However concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration > PQL and correctly entered into emLine.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.
		Action		Let Value Stand	Let Value Stand	Let Value Stand			Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Request Retest	Let Value Stand
		Result			High blank value remains.											
SRK08-SP7B Retest	7/25/2010	FIELD BLANK													<5	
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	0	0	0	0	0	0	0	0	0	0	0	0	50	0
		Comments													Retest for July 25 SRK08-SP7B blank. Blank value correctly entered into emLine. However concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	
		Action													Let Value Stand	
		Result													New blank value entered into emLine.	
X26	9/1/2010	FIELD BLANK	<0.05	<1	0.3000	<0.5	<0.1	<100	<5	<1	<5	<0.05	<0.1	<5	27.000	<0.5
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	1	50	80	25	2.5	1	500	20	10	25	50	25	270	5
		Comments		Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank value correctly entered into emLine. However, blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration > PQL and correctly entered into emLine.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.
		Action		Let Value Stand	Let Value Stand	Let Value Stand			Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Request Retest	Let Value Stand
		Result			Blank value remains.										Retest performed, see results below.	

Blank value < PQL  
 Blank value is a detection limit higher than that of DI water  
 Blank value > PQL and < retest limit  
 Blank value > retest limit (20X DI Water Detection Limit)

Station	Date	Sample Type	Na-d mg/L	Ni-d µg/L	Pb-d µg/L	Sb-d µg/L	Se-d µg/L	Si-d µg/L	Sn-d µg/L	Sr-d µg/L	Ti-d µg/L	Tl-d µg/L	U-d µg/L	V-d µg/L	Zn-d µg/L	Zr-d µg/L
X26 Retest	9/1/2010	FIELD BLANK													17.000	
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	0	0	0	0	0	0	0	0	0	0	0	0	170	0
		Comments													Retest for September 1 X26 field blank. Blank value correctly entered into emLine. However concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	
		Action													Let Value Stand	
		Result													New blank value entered into emLine.	
P01-01A	9/8/2010	FIELD BLANK	0.08	0.070	0.5150	<0.02	<0.04	<100	<0.01	0.92	<0.5	<0.002	0.0350	<0.2	2.400	<0.1
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	1.6	3.5	103	1	1	1	1	18.4	1	1	17.5	1	24	1
		Comments			Blank concentration > PQL and correctly entered into emLine.					Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.		Blank concentration > PQL and correctly entered into emLine.	
		Action			Request Retest					Let Value Stand			Let Value Stand		Request Retest	
		Result			Retest performed, see results below.					High blank value remains.			High blank value remains.		Retest performed, see results below.	
P01-01A Retest	9/8/2010	FIELD BLANK			0.5720										2.400	
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	0	0	114.4	0	0	0	0	0	0	0	0	0	24	0
		Comments			Retest for September 8 P01-01A blank. Blank concentration > PQL and correctly entered into emLine.										Retest for September 8 P01-01A blank. Blank concentration > PQL and correctly entered into emLine.	
		Action			Let Value Stand										Let Value Stand	
		Result			New blank value entered into emLine.										New blank value entered into emLine.	
X16B	9/8/2010	FIELD BLANK	0.09	0.040	0.3280	<0.02	<0.04	<100	<0.01	0.82	<0.5	<0.002	0.0190	<0.2	5.400	<0.1
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	1.8	2	65.6	1	1	1	1	16.4	1	1	9.5	1	54	1
		Comments			Blank concentration > PQL and correctly entered into emLine.					Blank concentration > PQL and correctly entered into emLine.			Blank concentration > PQL and correctly entered into emLine.		Blank concentration > PQL and correctly entered into emLine.	
		Action			Request Retest					Let Value Stand			Let Value Stand		Request Retest	
		Result			Retest performed, see results below.					High blank value remains.			High blank value remains.		Retest performed, see results below.	
X16B Retest	9/8/2010	FIELD BLANK			0.3340										5.400	
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	0	0	66.8	0	0	0	0	0	0	0	0	0	54	0
		Comments			Retest for September 8 X16B blank. Blank concentration > PQL and correctly entered into emLine.										Retest for September 8 X16B blank. Blank concentration > PQL and correctly entered into emLine.	
		Action			Let Value Stand										Let Value Stand	
		Result			New blank value entered into emLine.										New blank value entered into emLine.	
X24-96D	9/9/2010	FIELD BLANK	1.26	<1	<0.2	<0.5	<0.1	<100	<5	<1	<5	<0.05	<0.1	<5	<5	<0.5
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	25.2	50	40	25	2.5	1	500	20	10	25	50	25	50	5
		Comments	Blank concentration > PQL and correctly entered into emLine.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.
		Action	Request Retest	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand
		Result	Retest performed, see results below.													
X24-96D Retest	9/9/2010	FIELD BLANK	1.31													
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.5	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	26.2	0	0	0	0	0	0	0	0	0	0	0	0	0
		Comments	Retest for September X24-96D blank. Blank concentration > PQL and correctly entered into emLine.													
		Action	Let Value Stand													
		Result	New blank value entered into emLine.													

Blank value < PQL  
 Blank value is a detection limit higher than that of DI water  
 Blank value > PQL and < retest limit  
 Blank value > retest limit (20X DI Water Detection Limit)

Table C-57: Rose Creek Drainage Groundwater Quality  
2010 QA/QC Field Blanks - Dissolved Metals

Station	Date	Sample Type	Na-d mg/L	Ni-d µg/L	Pb-d µg/L	Sb-d µg/L	Se-d µg/L	Si-d µg/L	Sn-d µg/L	Sr-d µg/L	Ti-d µg/L	Tl-d µg/L	U-d µg/L	V-d µg/L	Zn-d µg/L	Zr-d µg/L
SRK08-SP7A	11/2/2010	FIELD BLANK	<0.05	<1	<0.2	<0.5	<0.1	<100	<5	<1	<5	<0.05	<0.1	<5	9.000	<0.5
		Deionized Water	<0.05	<0.02	<0.005	<0.02	<0.04	<100	<0.01	<0.05	<0.02	<0.002	<0.002	<0.2	<0.1	<0.1
		Times greater than DI water	1	50	40	25	2.5	1	500	20	10	25	50	25	90	5
		Comments		Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.			Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank value correctly entered into emLine. However concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.	Blank concentration not > PQL (detection limit for field blank higher than that used for DI water). Therefore, comparison not valid in this case.
		Action		Let Value Stand	Let Value Stand	Let Value Stand			Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand	Let Value Stand
		Result													High blank value remains.	

Blank value < PQL  
 Blank value is a detection limit higher than that of DI water  
 Blank value > PQL and < retest limit  
 Blank value > retest limit (20X DI Water Detection Limit)