

Table C-50: Rose Creek Drainage Water Quality
2010 QA/QC Duplicates - Dissolved Metals



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	Hg-d µg/L	K-d mg/L	Li-d mg/L	Mg-d mg/L	Mn-d µg/L	Mo-d µg/L	Na-d mg/L	Ni-d µg/L	Pb-d µg/L	Sb-d µg/L	S-d mg/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	
A30	8/5/2010	M	0.05	226.00	<0.1	16.00	<50	0.20	<1	20.70	11.90	4.70	<1	68.80	<5	0.86	0.01	15.70	201.00	<1	2.23	31.00	13.10	<0.5	44.00	<0.1	7050.00	<5	86.0	<5	<0.05	0.60	<5	9930.00	<0.5		
A30	8/5/2010	DUPLICATE	0.05	238.00	<0.1	17.00	<50	0.30	<1	20.90	12.40	5.10	<1	75.00	7.00	0.94	0.01	16.40	215.00	<1	2.67	33.00	14.40	<0.5	46.00	0.20	6710.00	<5	95.0	<5	<0.05	0.60	<5	9870.00	<0.5		
		RPD (%)	0.00	5.17	N/A	6.06	N/A	40.00	N/A	0.96	4.12	8.16	N/A	8.62	N/A	N/A	8.89	0.00	4.36	6.73	N/A	17.96	6.25	9.45	N/A	4.44	N/A	4.94	N/A	9.94	N/A	N/A	0.00	N/A	0.61	N/A	
		Comments																																			
		Action																																			
		Result																																			
X14	8/24/2010	M	<0.005	3.60	0.38	42.10	<50	<0.01	<0.005	72.80	0.04	2.04	<0.1	0.50	258.00	<0.01	1.63	0.01	15.90	1340.00	0.49	5.25	3.52	0.29	0.09	60.00	0.18	3520.00	<0.01	249.0	<0.5	0.083	1.38	<0.2	39.90	<0.1	
X14	8/24/2010	DUPLICATE	<0.005	3.70	0.39	42.60	<50	<0.01	<0.005	70.60	0.04	2.06	<0.1	0.47	260.00	<0.01	1.62	0.01	15.90	1320.00	0.49	5.21	3.47	0.24	0.09	58.00	0.19	3310.00	<0.01	245.0	<0.5	0.080	1.40	<0.2	38.60	<0.1	
		RPD (%)	N/A	2.74	2.60	1.18	N/A	N/A	N/A	3.07	2.74	0.98	N/A	6.19	0.77	N/A	0.62	0.00	0.00	1.50	0.00	0.76	1.43	19.77	0.00	3.39	5.41	6.15	N/A	1.62	N/A	3.68	1.44	N/A	3.31	N/A	
		Comments																																			
		Action																																			
		Result																																			
X5	8/31/2010	M	<0.03	5.00	0.30	14.50	<300	<0.05	<0.03	295.00	0.15	14.40	<0.5	1.20	48.00	<0.05	6.50	0.04	67.70	7580.00	0.50	20.90	19.10	1.18	0.30	347.00	<0.2	2400.00	<0.05	964.0	<3	0.720	1.51	<1	194.00	<0.5	
X5	8/31/2010	DUPLICATE	<0.03	2.00	0.20	15.20	<300	<0.05	<0.03	312.00	0.19	15.80	<0.5	<0.3	39.00	<0.05	7.00	0.04	71.10	8160.00	0.60	22.00	20.30	0.27	0.30	356.00	<0.2	2440.00	<0.05	995.0	<3	0.730	1.54	<1	208.00	<0.5	
		RPD (%)	N/A	85.71	40.00	4.71	N/A	N/A	N/A	5.60	23.53	9.27	N/A	N/A	20.69	N/A	7.41	2.53	4.90	7.37	18.18	5.13	6.09	125.52	0.00	2.56	N/A	1.65	N/A	3.16	N/A	1.38	1.97	N/A	6.97	N/A	
		Comments	Both values correctly entered into emLine; however, duplicate value not > PQL. Therefore, RPD analysis not valid in this case.																																		
		Action	Let Value Stand																																		
		Result	Discrepancy between values remains.																																		
X5 Retest	8/31/2010	M																																			
X5 Retest	8/31/2010	DUPLICATE																																			
		RPD (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	109.85	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Comments	Retest for August 31 X5 sample and duplicate. Both values > PQL and correctly entered into emLine.																																		
		Action	Let Value Stand																																		
		Result	New values entered into emLine.																																		
X2	10/18/2010	M	<0.005	4.50	0.42	51.60	<50	<0.01	<0.005	31.50	0.02	0.14	<0.1	0.50	116.00		0.75	0.00	7.36	68.60	0.62	2.46	0.55	0.87	0.07	<10	0.34	5360.00	0.07	135.0	<0.5	0.003	1.51	<0.2	14.40	<0.1	
X2	10/18/2010	DUPLICATE	<0.005	3.50	0.37	53.60	<50	<0.01	<0.005	33.90	0.01	0.15	<0.1	0.40	126.00		0.73	0.01	7.33	66.10	0.57	2.44	0.55	0.24	0.08	<10	0.30	5410.00	<0.01	142.0	<0.5	0.003	1.60	<0.2	13.60	<0.1	
		RPD (%)	N/A	25.00	12.66	3.80	N/A	N/A	N/A	7.34	30.30	2.78	N/A	22.22	8.26	N/A	2.70	8.16	0.41	3.71	8.40	0.82	0.00	114.42	13.33	N/A	12.50	0.93	N/A	5.05	N/A	0.00	5.79	N/A	5.71	N/A	
		Comments	Both values > PQL and correctly entered into emLine. Lab noted on main sample that "Dissolved greater than total. Reanalysis yields similar results."																																		
		Action	Let Value Stand																																		
		Result	Discrepancy between values remains. Retest not requested because lab already reanalyzed.																																		
X2 Retest	10/18/2010	M																																			
X2 Retest	10/18/2010	DUPLICATE																																			
		RPD (%)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	83.55	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Comments	Retest for October 18 X2 sample and duplicate. Both values > PQL and correctly entered into emLine.																																		
		Action	Let Value Stand																																		
		Result	New values entered into emLine.																																		

RPD > 50%
RPD > 100%

Station	Date	Sample Type	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	Sn	Sr	Ti	Tl	U	V	Zn	Zr		
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	mg/L	mg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L			
NWID	7/10/2010	M	<0.005	6.70	0.20	<50	47.10	<0.01	<0.005	52.80	0.06	0.02	<0.1	1.08	9.00	1.47	0.01	6.44	1.10	0.30	2.75	0.53	0.24	12.00	0.06	0.21	7530.00	<0.01	187.0	<0.5		0.003	0.93	<0.2	16.00	<0.1		
NWID	7/10/2010	DUPLICATE	<0.005	6.80	0.20	<50	47.90	<0.01	<0.005	48.30	0.07	0.02	<0.1	1.19	7.00	1.48	0.01	6.66	1.05	0.28	2.90	0.58	0.24	13.00	0.06	0.19	6750.00	<0.01	192.0	<0.5		0.009	0.89	<0.2	17.60	<0.1		
		RPD (%)	N/A	1.48	0.00	N/A	1.68	N/A	N/A	8.90	17.89	0.00	N/A	9.69	25.00	N/A	0.68	0.00	3.36	4.65	6.90	5.31	9.01	1.25	8.00	0.00	10.00	10.92	N/A	2.64	N/A	100.00	4.85	N/A	9.52	N/A		
		Comments																																			Both values correctly entered into emLine; however, neither value > PQL. Therefore, RPD analysis not valid in this case.	
		Action																																			Let Value Stand	
		Result																																			Discrepancy between values remains.	
X14	7/27/2010	M	<0.005	11.10	0.45	<50	43.30	<0.01	<0.005	94.10	0.05	4.07	<0.1	0.58	382.00	<0.01	2.04	0.01	21.00	2330.00	0.53	6.59	6.29	0.89	89.00	0.12	0.19	4430.00	<0.01	316.0	<0.5		0.123	1.35	<0.2	72.60	<0.1	
X14	7/27/2010	DUPLICATE	<0.005	10.60	0.47	<50	44.10	<0.01	<0.005	94.90	0.05	4.34	<0.1	0.62	383.00	<0.01	2.12	0.01	22.30	2430.00	0.49	6.91	6.31	0.74	93.00	0.12	0.21	4520.00	<0.01	320.0	<0.5		0.124	1.33	<0.2	74.80	<0.1	
		RPD (%)	N/A	4.61	4.35	N/A	1.83	N/A	N/A	0.85	1.87	6.42	N/A	6.67	0.26	N/A	3.85	1.72	6.00	4.20	7.84	4.74	0.32	18.83	4.40	0.00	10.00	2.01	N/A	1.26	N/A	0.81	1.49	N/A	2.99	N/A		
		Comments																																				
		Action																																				
		Result																																				
X14	8/24/2010	M	<0.005	21.10	0.52	<50	43.20	<0.01	<0.005	73.10	0.04	2.1100	<0.1	0.5800	400.00	1.63	0.008	16.20	1380.000	0.48	5.53	3.440	0.5400	61.00	0	0.1800	4180.00	<0.01	253.00	<0.5		0.08	1.2500	<0.2	42.400	<0.1		
X14	8/24/2010	DUPLICATE	<0.005	8.60	0.50	<50	44.50	<0.01	<0.005	75.40	0.04	2.1700	<0.1	0.8000	431.00	1.61	0.008	16.40	1390.000	0.49	5.43	3.590	1.4100	61.00	0	0.2100	4100.00	<0.01	251.00	<0.5		0.08	1.3100	<0.2	44.800	<0.1		
		RPD (%)	N/A	84.18	3.92	N/A	2.96	N/A	N/A	3.10	2.53	2.80	N/A	31.88	7.46	N/A	1.23	1.24	1.23	0.72	2.06	1.82	4.27	89.23	0.00	11.76	15.38	1.93	N/A	0.79	N/A	0.00	4.69	N/A	5.50	N/A		
		Comments																																				Both values > PQL and correctly entered into emLine.
		Action																																				Let Value Stand
		Result																																				Discrepancy between values remains.
X5	8/31/2010	M	<0.03	6.00	0.30	<300	14.80	<0.05	<0.03	298.00	0.17	14.30	<0.5	0.50	516.00	<0.05	7.00	0.04	67.90	7780.00	0.50	20.00	18.20	1.99	376.00	0.30	<0.2	2500.00	<0.05	933.0	<3		0.690	1.13	<1	206.00	<0.5	
X5	8/31/2010	DUPLICATE	<0.03	5.00	0.30	<300	16.10	<0.05	<0.03	297.00	0.16	14.20	<0.5	0.60	520.00	<0.05	6.90	0.04	66.80	7590.00	0.50	19.60	19.10	2.16	361.00	0.30	<0.2	2410.00	<0.05	1010.0	<3		0.750	1.22	<1	206.00	<0.5	
		RPD (%)	N/A	18.18	0.00	N/A	8.41	N/A	N/A	0.34	6.06	0.70	N/A	18.18	0.77	N/A	1.44	4.76	1.63	2.47	0.00	2.02	4.83	8.19	4.07	0.00	N/A	3.67	N/A	7.93	N/A	8.33	7.66	N/A	0.00	N/A		
		Comments																																				
		Action																																				
		Result																																				
X2	10/18/2010	M	<0.005	8.80	0.55	<50	53.10	<0.01	<0.005	33.20	0.02	0.18	<0.1	0.42	215.00	0.80	0.01	7.69	74.60	0.53	2.59	0.64	0.52	<10	0.06	0.39	5630.00	<0.01	141.0	<0.5		0.004	1.46	<0.2	14.20	<0.1		
X2	10/18/2010	DUPLICATE	<0.005	10.50	0.56	<50	53.70	<0.01	<0.005	32.70	0.02	0.16	<0.1	0.42	216.00	0.75	0.01	7.34	74.30	0.54	2.40	0.59	0.72	<10	0.06	0.31	5540.00	<0.01	139.0	<0.5		0.004	1.51	<0.2	15.40	<0.1		
		RPD (%)	N/A	17.62	1.80	N/A	1.12	N/A	N/A	1.52	10.53	15.48	N/A	0.00	0.46	N/A	6.45	0.00	4.66	0.40	1.87	7.62	8.13	31.10	N/A	0.00	22.86	1.61	N/A	1.43	N/A	0.00	3.37	N/A	8.11	N/A		
		Comments																																				
		Action																																				
		Result																																				

RPD > 50%
RPD > 100%

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	Chloride mg/L	CN(wad) mg/L	CNTHIO 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
X14	6/29/2010	M			84	<0.5	248	258	<0.5			<0.5	<5	511	2.3	100	0.1	<0.5	7.95	180	370	1.5	<1	0.9
X14	6/29/2010	SPLIT			84	<0.5	255	256	<0.5			<0.5	10	510	2.5	100	0.14	<0.5	7.93	180	350	2.7	<1	0.9
		RPD (%)	N/A	N/A	0.00	N/A	2.78	0.78	N/A	N/A	N/A	N/A	N/A	0.20	8.33	0.00	33.33	N/A	0.02	0.00	5.56	57.14	N/A	0.00
		Comments	Both values correctly entered into emLine; however, main sample value not > PQL. Therefore, RPD analysis not valid in this case.																					
		Action	Let Value Stand																					
		Result	Discrepancy between values remains.																					
X5P	7/10/2010	M			110.00	<0.5	1090.00	1010.00	1.10			<0.5		1780.00		130.00	0.69	<0.5	7.79	990.00	1500.00		4.00	
X5P	7/10/2010	SPLIT			110.00	<0.5	1100.00	1040.00	1.00			<0.5		1780.00		130.00	0.65	<0.5	7.73	950.00	1500.00		5.00	
		RPD (%)	N/A	N/A	0.00	N/A	0.91	2.93	9.52	N/A	N/A	N/A	N/A	0.00	N/A	0.00	5.97	N/A	0.06	4.12	0.00	N/A	22.22	N/A
		Comments																						
		Action																						
		Result																						
X5	7/20/2010	M			120.00	<0.5	1050.00	1020.00	1.70		0.03	<0.5	<5	1830.00		150.00	0.79	<0.5	7.85	980.00	1600.00		2.00	1.70
X5	7/20/2010	SPLIT			120.00	<0.5	1050.00	1010.00	1.70		0.03	<0.5	<5	1830.00		150.00	0.79	<0.5	7.87	990.00	1600.00		2.00	1.50
		RPD (%)	N/A	N/A	0.00	N/A	0.00	0.99	0.00	N/A	4.85	N/A	N/A	0.00	N/A	0.00	0.00	N/A	0.02	1.02	0.00	N/A	0.00	12.50
		Comments																						
		Action																						
		Result																						
X5	7/27/2010	M			110.00	<0.5	1060.00	1030.00	1.10		0.03	<0.5	<5	1780.00		130.00	0.75	<0.5	7.92	960.00	1600.00		2.00	2.50
X5	7/27/2010	SPLIT			110.00	<0.5	1080.00	1100.00	1.30		0.03	<0.5	<5	1810.00		130.00	0.84	<0.5	7.86	930.00	1600.00		2.00	2.70
		RPD (%)	N/A	N/A	0.00	N/A	1.87	6.57	16.67	N/A	6.48	N/A	N/A	1.67	N/A	0.00	11.32	N/A	0.06	3.17	0.00	N/A	0.00	7.69
		Comments																						
		Action																						
		Result																						
X3	8/3/2010	M			87.00	<0.5	111.00	85.00	<0.5			<0.5		189.00	2.00	110.00	<0.05	<0.5	8.16	14.00	120.00	2.50	<1	
X3	8/3/2010	SPLIT			87.00	<0.5	84.30	87.00	<0.5			<0.5		187.00	2.20	110.00	<0.05	<0.5	8.10	14.00	130.00	2.10	<1	
		RPD (%)	N/A	N/A	0.00	N/A	27.34	2.33	N/A	N/A	N/A	N/A	N/A	1.06	9.52	0.00	N/A	N/A	0.06	0.00	8.00	17.39	N/A	N/A
		Comments																						
		Action																						
		Result																						
X11	8/5/2010	M	<0.5	33.70	300.00	<0.5		1640.00	2.50			<0.5		2540.00		370.00		<0.5	7.37	1400.00		8.00		
X11	8/5/2010	SPLIT	<0.5	33.70	310.00	<0.5		1670.00	2.60			<0.5		2540.00		380.00		<0.5	7.42	1400.00		7.00		
		RPD (%)	N/A	0.00	3.28	N/A	N/A	1.81	3.92	N/A	N/A	N/A	N/A	0.00	N/A	2.67	N/A	N/A	0.05	0.00	N/A	N/A	13.33	N/A
		Comments																						
		Action																						
		Result																						
X14	8/10/2010	M			100.00	<0.5	329.00	318.00	0.70			<0.5	10.00	638.00	2.20	120.00	0.19	<0.5	7.78	220.00	440.00	2.30	<4	1.40
X14	8/10/2010	SPLIT			100.00	<0.5	332.00	317.00	0.60			<0.5	15.00	648.00	2.10	120.00	0.19	<0.5	7.97	210.00	440.00	2.30	<4	1.50
		RPD (%)	N/A	N/A	0.00	N/A	0.91	0.31	15.38	N/A	N/A	N/A	40.00	1.56	4.65	0.00	0.00	N/A	0.19	4.65	0.00	0.00	N/A	6.90
		Comments																						
		Action																						
		Result																						
X5	8/24/2010	M			88.00	<0.5	1010.00	1150.00	2.20		0.05	<0.5	<5	1740.00		110.00	0.80	<0.5	8.01	1100.00	1500.00		<1	3.80
X5	8/24/2010	SPLIT			88.00	<0.5	1030.00	1140.00	1.90		0.05	<0.5	<5	1750.00		110.00	0.84	<0.5	8.04	1100.00	1500.00		<1	3.90
		RPD (%)	N/A	N/A	0.00	N/A	1.96	0.87	14.63	N/A	5.60	N/A	N/A	0.57	N/A	0.00	4.88	N/A	0.03	0.00	0.00	N/A	N/A	2.60
		Comments																						
		Action																						
		Result																						
X14	8/31/2010	M			100.00	<0.5	296.00	314.00	<0.5			<0.5		610.00	3.70	120.00	0.11	<0.5	8.17	220.00	420.00	3.70	<1	
X14	8/31/2010	SPLIT			99.00	<0.5	300.00	301.00	<0.5			<0.5		613.00	3.10	120.00	0.12	<0.5	8.11	220.00	410.00	2.90	<1	
		RPD (%)	N/A	N/A	1.01	N/A	1.34	4.23	N/A	N/A	N/A	N/A	N/A	0.49	17.65	0.00	8.70	N/A	0.06	0.00	2.41	24.24	N/A	N/A
		Comments																						
		Action																						
		Result																						

RPD > 50%

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	Chloride mg/L	CN(wad) mg/L	CNTHIO 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
X3	9/2/2010	M			83.00	<0.5	89.40	94.30	<0.5			<0.5		186.00	2.70	100.00	0.19	<0.5	7.99	13.00	110.00	2.30	<1	0.70
X3	9/2/2010	SPLIT			82.00	<0.5	89.70	91.70	<0.5			<0.5		193.00	1.20	100.00	0.19	<0.5	7.90	15.00	110.00	1.40	<1	0.50
RPD (%)			N/A	N/A	1.21	N/A	0.34	2.80	N/A	N/A	N/A	N/A	N/A	3.69	76.92	0.00	0.00	N/A	0.09	14.29	0.00	48.65	N/A	33.33
Comments			Both values correctly entered into emLine; however, split value not > PQL. Therefore, RPD analysis not valid in this case.																					
Action			Let Value Stand																					
Result			Discrepancy between values remains.																					
X7	10/6/2010	M			7.40	<0.5	4680.00	4480.00	9.20			<0.5		8490.00		9.10	4.20	<0.5	5.18	9300.00	11000.00		100.00	
X7	10/6/2010	SPLIT			4.40	<0.5	4740.00	4310.00	9.10			<0.5		8510.00		5.30	2.70	<0.5	5.12	9400.00	10000.00		99.00	
RPD (%)			N/A	N/A	50.85	N/A	1.27	3.87	1.09	N/A	N/A	N/A	N/A	0.24	N/A	52.78	43.48	N/A	0.06	1.07	9.52	N/A	1.01	N/A
Comments			Both values > PQL and correctly entered into emLine.																					
Action			Let Value Stand																					
Result			Retest request would be filed past hold time. Discrepancy between values remains.																					
FCO	10/7/2010	M			17.00	<0.5	47.10	47.10	<0.5			<0.5		123.00		21.00	0.04	<0.5	7.20	37.00	80.00		3.00	
FCO	10/7/2010	SPLIT			22.00	<0.5	46.60	48.60	<0.5			<0.5		122.00		27.00	0.01	<0.5	7.27	40.00	80.00		3.00	
RPD (%)			N/A	N/A	25.64	N/A	1.07	3.13	N/A	N/A	N/A	N/A	N/A	0.82	N/A	25.00	140.43	N/A	0.07	7.79	0.00	N/A	0.00	N/A
Comments			Both values correctly entered into emLine; however, split value not > PQL. Therefore, RPD analysis not valid in this case.																					
Action			Let Value Stand																					
Result			Discrepancy between values remains.																					
R9	10/19/2010	M			96.00	<0.5	108.00	113.00	<0.5			<0.5		213.00	1.70	120.00	0.03	<0.5	7.99	14.00	110.00	1.40	<1	1.00
R9	10/19/2010	SPLIT			96.00	<0.5	107.00	112.00	0.60			<0.5		211.00	2.50	120.00	0.07	<0.5	7.90	15.00	130.00	1.80	<1	1.00
RPD (%)			N/A	N/A	0.00	N/A	0.93	0.89	N/A	N/A	N/A	N/A	N/A	0.94	38.10	0.00	85.71	N/A	0.09	6.90	16.67	25.00	N/A	0.00
Comments			Both values > PQL and correctly entered into emLine.																					
Action			Request Retest																					
Result			Retest performed, see results below.																					
R9 Retes	10/19/2010	M															0.02							
R9 Retes	10/19/2010	SPLIT															0.02							
RPD (%)			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	12.50	N/A	0.00	N/A	N/A	N/A	N/A	N/A
Comments			Retest for October 19 R9 sample and split. Both values correctly entered into emLine; however, neither value > PQL. Therefore, RPD analysis not valid in this case.																					
Action			Let Value Stand																					
Result			Discrepancy between values resolved.																					
X23	11/4/2010	M	<0.5	1030.00	90.00	<0.5	5770.00	14.00				<0.5		7740.00		110.00		<0.5	6.81	7600.00		170.00		
X23	11/4/2010	SPLIT	<0.5	1080.00	90.00	<0.5	5820.00	15.00				<0.5		7710.00		110.00		<0.5	6.75	7100.00		190.00		
RPD (%)			N/A	4.74	0.00	N/A	N/A	0.86	6.90	N/A	N/A	N/A	N/A	0.39	N/A	0.00	N/A	N/A	0.06	6.80	N/A	N/A	11.11	N/A
Comments																								
Action																								
Result																								
X14	11/18/2010	M			170.00	<0.5	598.00	641.00	0.80			<0.5		1080.00	1.70	210.00	0.20	<0.5	8.05	420.00	800.00	1.30	6.00	3.18
X14	11/18/2010	SPLIT			170.00	<0.5	638.00	601.00	1.10			<0.5		1070.00	1.40	210.00	0.20	<0.5	7.98	420.00	790.00	1.30	5.00	3.87
RPD (%)			N/A	N/A	0.00	N/A	6.47	6.44	31.58	N/A	N/A	N/A	N/A	0.93	19.35	0.00	0.00	N/A	0.07	0.00	1.26	0.00	18.18	19.57
Comments																								
Action																								
Result																								

RPD > 50%

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	Chloride mg/L	CN(wad) mg/L	CNTHIO 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
X5	11/25/2010	M			260.00	<0.5	1430.00	1610.00	2.80	0.01		<0.5	<5	2500.0000		320.00	0.96	<0.5	7.43	1400.000	2300.00		<4	4.8000
X5	11/25/2010	SPLIT			260.00	<0.5	1530.00	1660.00	3.20	0.01		<0.5	<5	2500.0000		320.00	0.96	<0.5	7.47	1400.000	2400.00		<4	4.9000
		RPD (%)	N/A	N/A	0.00	N/A	6.76	3.06	13.33	4.58	N/A	N/A	N/A	0.00	N/A	0.00	0.00	N/A	0.04	0.00	4.26	N/A	N/A	2.06
		Comments																						
		Action																						
		Result																						
X5	12/2/2010	M			270.00	<0.5	1560.00	1590.00	2.30	0.01		<0.5	<5	2470.00		330.00	0.97	<0.5	7.73	1400.00	2300.00		2.00	5.00
X5	12/2/2010	SPLIT			270.00	<0.5	1580.00	1580.00	1.90	0.01		<0.5	<5	2470.00		330.00	0.98	<0.5	7.66	1400.00	2200.00		2.00	5.10
		RPD (%)	N/A	N/A	0.00	N/A	1.27	0.63	19.05	0.00	N/A	N/A	N/A	0.00	N/A	0.00	1.03	N/A	0.07	0.00	4.44	N/A	0.00	1.98
		Comments																						
		Action																						
		Result																						

RPD > 50%

