

Table C-60: Rose Creek Drainage Groundwater Quality  
2010 QA/QC Splits - 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	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 (blank)	SO4-d mg/L	TDS mg/L	TOC mg/L	TSS mg/L	TURB NTU
X17A	9/8/2010	M	<0.5	6.60	230.00	<0.5		280.00	<0.5			<0.5		517.0000		280.00		<0.5	7.80	39.000			32.000	
X17A	9/8/2010	SPLIT	<0.5	5.50	230.00	<0.5		263.00	<0.5			<0.5		519.0000		280.00		<0.5	7.81	36.000			35.000	
RPD (%)			N/A	18.18	0.00	N/A	N/A	6.26	N/A	N/A	N/A	N/A	N/A	0.39	N/A	0.00	N/A	N/A	0.01	8.00	N/A	N/A	8.96	N/A
Comments																								
Action																								
Result																								
X18B	9/8/2010	M	<0.5	17.90	250.00	<0.5		1000.00	1.00			<0.5		1650.00		300.00		<0.5	7.45	710.00			<1	
X18B	9/8/2010	SPLIT	<0.5	17.70	250.00	<0.5		980.00	1.00			<0.5		1630.00		300.00		<0.5	7.50	690.00			<1	
RPD (%)			N/A	1.12	0.00	N/A	N/A	2.02	0.00	N/A	N/A	N/A	N/A	1.22	N/A	0.00	N/A	N/A	0.05	2.86	N/A	N/A	N/A	N/A
Comments																								
Action																								
Result																								
P01-11	9/8/2010	M	<0.5	52.60	350.00	<0.5		1750.00	2.70			<0.5		2880.00		430.00		<0.5	7.24	1500.00			190.00	
P01-11	9/8/2010	SPLIT	<0.5	55.80	350.00	<0.5		1760.00	2.60			<0.5		2900.00		430.00		<0.5	7.15	1500.00			200.00	
RPD (%)			N/A	5.90	0.00	N/A	N/A	0.57	3.77	N/A	N/A	N/A	N/A	0.69	N/A	0.00	N/A	N/A	0.09	0.00	N/A	N/A	5.13	N/A
Comments																								
Action																								
Result																								
BH6	9/16/2010	M	<0.5	31.40	110.00	<0.5		181.00	<0.5			<0.5		413.00		140.00		<0.5	7.15	95.00			290.00	
BH6	9/16/2010	SPLIT	<0.5	30.00	110.00	<0.5		185.00	<0.5			<0.5		413.00		140.00		<0.5	7.16	94.00			220.00	
RPD (%)			N/A	4.56	0.00	N/A	N/A	2.19	N/A	N/A	N/A	N/A	N/A	0.00	N/A	0.00	N/A	N/A	0.01	1.06	N/A	N/A	27.45	N/A
Comments																								
Action																								
Result																								
P03-08-2	9/20/2010		<0.5	22.80	250.00	<0.5		347.00	<0.5			<0.5		678.00		300.00		<0.5	7.70	110.00			8.00	
P03-08-2	9/20/2010		<0.5	31.70	250.00	<0.5		338.00	<0.5			<0.5		669.00		300.00		<0.5	7.72	130.00			11.00	
RPD (%)			N/A	32.66	0.00	N/A	N/A	2.63	N/A	N/A	N/A	N/A	N/A	1.34	N/A	0.00	N/A	N/A	0.02	16.67	N/A	N/A	31.58	N/A
Comments																								
Action																								
Result																								
P03-01-2	9/21/2010	M	<0.5	3.30	210.00	3.40		214.00	<0.5			4.10		409.00		240.00		<0.5	8.36	22.00			2.00	
P03-01-2	9/21/2010	SPLIT	<0.5	24.80	210.00	<0.5		207.00	<0.5			<0.5		423.00		260.00		<0.5	8.08	23.00			2.00	
RPD (%)			N/A	153.02	0.00	N/A	N/A	3.33	N/A	N/A	N/A	N/A	N/A	3.37	N/A	8.00	N/A	N/A	0.28	4.44	N/A	N/A	0.00	N/A
Comments				Both values > PQL and correctly entered into emLine.																				
Action				Request Retest																				
Result				Retest performed, see results below.																				
				RPD > 50%																				

Table C-60: Rose Creek Drainage Groundwater Quality  
2010 QA/QC Splits - 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	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 (blank)	SO4-d mg/L	TDS mg/L	TOC mg/L	TSS mg/L	TURB NTU
P03-01-2 Retest	9/21/2010	M		1.50																				
P03-01-2 Retest	9/21/2010	SPLIT		1.70																				
RPD (%)			N/A	12.50	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	0.00	N/A	N/A	N/A	N/A	N/A
Comments			Retest for September 21 P03-01-2 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			New values entered into emLine.																					
P03-05-2	9/22/2010	M	<0.5	90.80	90.00	<0.5		758.00	3.50			<0.5		1480.00		110.00		<0.5	6.89	860.00			11.00	
P03-05-2	9/22/2010	SPLIT	<0.5	96.90	89.00	<0.5		771.00	3.10			<0.5		1480.00		110.00		<0.5	6.92	800.00			13.00	
RPD (%)			N/A	6.50	1.12	N/A	N/A	1.70	12.12	N/A	N/A	N/A	N/A	0.00	N/A	0.00	N/A	N/A	0.03	7.23	N/A	N/A	16.67	N/A
Comments																								
Action																								
Result																								
SRK08-SPW2	12/1/2010	M	<0.5	279.00	210.00	<0.5		2760.00	3.00			<0.5		4130.00		250.00		<0.5	6.91	3000.00			2.00	
SRK08-SPW2	12/1/2010	SPLIT	<0.5	279.00	210.00	<0.5		2730.00	3.00			<0.5		4130.00		250.00		<0.5	6.87	3200.00			<1	
RPD (%)			N/A	0.00	0.00	N/A	N/A	1.09	0.00	N/A	N/A	N/A	N/A	0.00	N/A	0.00	N/A	N/A	0.04	6.45	N/A	N/A	N/A	N/A
Comments																								
Action																								
Result																								

RPD > 50%



