

CATION / ANION ANALYSIS

State Com * 20

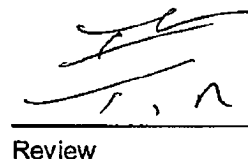
Client:	ConocoPhillips	Project #:	96052-1706
Sample ID:	State Com X 20	Date Reported:	08/16/11
Laboratory Number:	59262	Date Sampled:	08/15/11
Chain of Custody:	12358	Date Received:	08/15/11
Sample Matrix:	Aqueous	Date Analyzed:	08/16/11
Preservative:			
Condition:	Intact		

Parameter	Analytical Result	Units	
pH	10.2	s.u.	
Conductivity @ 25° C	11,300	umhos/cm	
Total Dissolved Solids @ 180C	9,520	mg/L	RCVD DEC 1 '11
Total Dissolved Solids (Calc)	11,100	mg/L	
SAR	84.7	ratio	OIL CONS. DIV.
Total Alkalinity as CaCO3	160	mg/L	
Total Hardness as CaCO3	320	mg/L	DIST. 3
Bicarbonate as CaCO3	160	mg/L	2.6 meq/L
Carbonate as CaCO3	< 0.01	mg/L	0.000 meq/L
Hydroxide as CaCO3	< 0.01	mg/L	0.001 meq/L
Nitrate Nitrogen	0.512	mg/L	0.008 meq/L
Nitrite Nitrogen	0.006	mg/L	0.000 meq/L
Chloride	345	mg/L	10 meq/L
Fluoride	6.60	mg/L	0.347 meq/L
Phosphate	2.30	mg/L	0.073 meq/L
Sulfate	7,000	mg/L	145.74 meq/L
Iron	< 0.01	mg/L	0.000 meq/L
Calcium	126	mg/L	6 meq/L
Magnesium	1.30	mg/L	0 meq/L
Potassium	26.9	mg/L	0.7 meq/L
Sodium	3,480	mg/L	151 meq/L
Cations			158 meq/L
Anions			159 meq/L
Cation/Anion Difference			0.04%

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
 Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

 Comments **Braden Head Water Samples**

 Analyst


 Review