



CATION / ANION ANALYSIS

Zachry 10

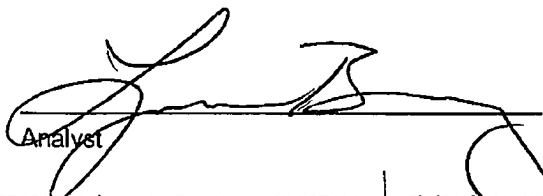
API # 3004507727

Client:	ConocoPhillips	Project #:	96052-1706
Sample ID:	Zachry #10	Date Reported:	08/12/11
Laboratory Number:	59237	Date Sampled:	08/10/11
Chain of Custody:	12330	Date Received:	08/10/11
Sample Matrix:	Aqueous	Date Analyzed:	08/11/11
Preservative:			
Condition:	Intact		

Parameter	Analytical Result	Units	
pH	7.81	s.u.	
Conductivity @ 25° C	3,880	umhos/cm	RCVD DEC 1 '11
Total Dissolved Solids @ 180C	3,150	mg/L	
Total Dissolved Solids (Calc)	3,490	mg/L	OIL CONS. DIV.
SAR	12.3	ratio	
Total Alkalinity as CaCO3	140	mg/L	DIST. 3
Total Hardness as CaCO3	781	mg/L	
Bicarbonate as CaCO3	140	mg/L	2.29 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	< 0.01	mg/L	0.000 meq/L
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Chloride	18.1	mg/L	0.511 meq/L
Fluoride	0.459	mg/L	0.024 meq/L
Phosphate	< 0.01	mg/L	0.000 meq/L
Sulfate	2,280	mg/L	47.5 meq/L
Iron	< 0.01	mg/L	0.000 meq/L
Calcium	291	mg/L	14.5 meq/L
Magnesium	13.0	mg/L	1.07 meq/L
Potassium	10.2	mg/L	0.261 meq/L
Sodium	792	mg/L	34.4 meq/L
Cations			50.3 meq/L
Anions			50.3 meq/L
Cation/Anion Difference			0.00%

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**


Analyst


Review