

San Jacinto 5

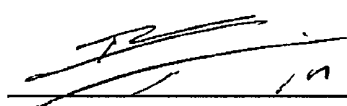
API # 3004511996

 Client: ConocoPhillips
 Sample ID: 1
 Laboratory Number: 58732
 Chain of Custody: 12052
 Sample Matrix: Aqueous
 Preservative: Cool
 Condition: Intact

 Project #: 96052-1706
 Date Reported: 06/30/11
 Date Sampled: 06/28/11
 Date Received: 06/29/11
 Date Analyzed: 06/29/11

Parameter	Analytical Result	Units		
pH	11.0	s.u.		
Conductivity @ 25° C	5,870	umhos/cm	RCVD DEC 1 '11	
Total Dissolved Solids @ 180C	3,630	mg/L	OIL CONS. DIV.	
Total Dissolved Solids (Calc)	2,760	mg/L		
SAR	37.0	ratio	DIST. 3	
Total Alkalinity as CaCO ₃	140	mg/L		
Total Hardness as CaCO ₃	102	mg/L		
Bicarbonate as CaCO ₃	140	mg/L	2.29	meq/L
Carbonate as CaCO ₃	< 0.01	mg/L	0.000	meq/L
Hydroxide as CaCO ₃	< 0.01	mg/L	0.001	meq/L
Nitrate Nitrogen	3.50	mg/L	0.056	meq/L
Nitrite Nitrogen	0.005	mg/L	0.000	meq/L
Chloride	38.2	mg/L	1.08	meq/L
Fluoride	2.00	mg/L	0.105	meq/L
Phosphate	7.90	mg/L	0.250	meq/L
Sulfate	1,720	mg/L	35.8	meq/L
Iron	0.015	mg/L	0.001	meq/L
Calcium	40.1	mg/L	2.00	meq/L
Magnesium	0.429	mg/L	0.035	meq/L
Potassium	9.42	mg/L	0.241	meq/L
Sodium	858	mg/L	37.3	meq/L
Cations			39.6	meq/L
Anions			39.6	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 **San Jacinto 5**

 Analyst


 Review

120.52

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CATION / ANION ANALYSIS

 State Com AG 29 ^{API #} 3004SI2000

Client:	ConocoPhillips	Project #:	96052-1706
Sample ID:	State Com AG 29	Date Reported:	08-16-11
Laboratory Number:	59261	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	11.4	s.u.	
Conductivity @ 25° C	12,800	umhos/cm	
Total Dissolved Solids @ 180C	11,600	mg/L	RCVD DEC 1 '11
Total Dissolved Solids (Calc)	14,700	mg/L	
SAR	68.1	ratio	OIL CONS. DIV.
Total Alkalinity as CaCO3	120	mg/L	
Total Hardness as CaCO3	823	mg/L	DIST. 3
Bicarbonate as CaCO3	< 0.01	mg/L	0.0 meq/L
Carbonate as CaCO3	100	mg/L	3.333 meq/L
Hydroxide as CaCO3	20.0	mg/L	1.176 meq/L
Nitrate Nitrogen	7.13	mg/L	0.115 meq/L
Nitrite Nitrogen	0.004	mg/L	0.000 meq/L
Chloride	447	mg/L	13 meq/L
Fluoride	7.80	mg/L	0.411 meq/L
Phosphate	3.40	mg/L	0.107 meq/L
Sulfate	9,350	mg/L	194.67 meq/L
Iron	< 0.01	mg/L	0.000 meq/L
Calcium	329	mg/L	16 meq/L
Magnesium	0.127	mg/L	0 meq/L
Potassium	26.5	mg/L	0.7 meq/L
Sodium	4,490	mg/L	195 meq/L
Cations			212 meq/L
Anions			212 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 Water Samples**

 Analyst


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