

CATION / ANION ANALYSIS

 AD± #
 Martin 34 #2 3004508934

Client:	ConocoPhillips	Project #:	96052-1706
Sample ID:	Int Well Liner	Date Reported:	08/23/11
Laboratory Number:	59348	Date Sampled:	08/22/11
Chain of Custody:	12402	Date Received:	08/22/11
Sample Matrix:	Aqueous	Date Analyzed:	08/23/11
Preservative:	Cool		
Condition:	Intact		

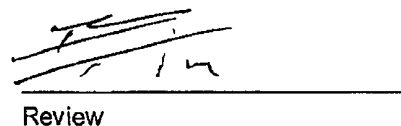
Parameter	Analytical Result	Units	
pH	7.00	s.u.	
Conductivity @ 25° C	25,600	umhos/cm	
Total Dissolved Solids @ 180C	15,900	mg/L	RCVD DEC 1 '11 OIL CONS. DIV.
Total Dissolved Solids (Calc)	16,700	mg/L	
SAR	150	ratio	
Total Alkalinity as CaCO3	2,700	mg/L	DIST. 3
Total Hardness as CaCO3	340	mg/L	
Bicarbonate as CaCO3	2,700	mg/L	44.3 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	0.500	mg/L	0.008 meq/L
Nitrite Nitrogen	0.016	mg/L	0.000 meq/L
Chloride	8,500	mg/L	240 meq/L
Fluoride	1.20	mg/L	0.063 meq/L
Phosphate	1.60	mg/L	0.051 meq/L
Sulfate	2.00	mg/L	0.042 meq/L
Iron	2.23	mg/L	0.080 meq/L
Calcium	87.4	mg/L	4.36 meq/L
Magnesium	29.7	mg/L	2.44 meq/L
Potassium	63.0	mg/L	1.61 meq/L
Sodium	6,340	mg/L	276 meq/L
Cations			284 meq/L
Anions			284 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 **Martin 34 #2 D.K.**



 Analyst



 Review

CHAIN OF CUSTODY RECORD

12402

Client: COPC			Project Name / Location: Martin 34 # 2 D.K.			ANALYSIS / PARAMETERS														
Client Address: Kochy Martin			Sampler Name: Gerald Gonzales			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Client Phone No.: 320-1667			Client No.: 96052-1706																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative														
Int Well Liner	8/22/11		54348	Soil Sludge																
				Solid Aqueous																
				Soil Sludge																
				Solid Aqueous																
				Soil Sludge																
				Solid Aqueous																
				Soil Sludge																
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				Solid Aqueous																
Relinquished by: (Signature) <i>Gerald Gonzales</i>					Date 8-22-11	Time 2:48	Received by: (Signature) <i>[Signature]</i>					Date 8/22/11	Time 1448							
Relinquished by: (Signature)							Received by: (Signature)													
Relinquished by: (Signature)							Received by: (Signature)													

WO # 8375826



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