

Abrams #1

API # 30.045.09863

Client: ConocoPhillips
 Sample ID: Abrams
 Laboratory Number: 59372
 Chain of Custody: 12422
 Sample Matrix: Aqueous
 Preservative: Cool
 Condition: Intact

Project #: 96052-1706
 Date Reported: 09/01/11
 Date Sampled: 08/24/11
 Date Received: 08/24/11
 Date Analyzed: 08/26/11

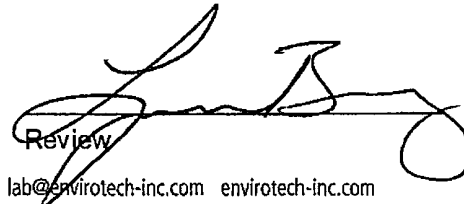
Parameter	Analytical Result	Units		
pH	9.82	s.u.		
Conductivity @ 25° C	17,800	umhos/cm		
Total Dissolved Solids @ 180C	18,600	mg/L	RCVD DEC 1 '11	
Total Dissolved Solids (Calc)	19,600	mg/L	OIL CONS. DIV.	
SAR	94.5	ratio	DIST. 3	
Total Alkalinity as CaCO3	220	mg/L		
Total Hardness as CaCO3	810	mg/L		
Bicarbonate as CaCO3	220	mg/L	3.6	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	9.71	mg/L	0.157	meq/L
Nitrite Nitrogen	< 0.01	mg/L	0.000	meq/L
Chloride	1,800	mg/L	51	meq/L
Fluoride	1.95	mg/L	0.103	meq/L
Phosphate	3.40	mg/L	0.107	meq/L
Sulfate	11,100	mg/L	231.10	meq/L
Iron	0.025	mg/L	0.001	meq/L
Calcium	308	mg/L	15	meq/L
Magnesium	9.88	mg/L	1	meq/L
Potassium	41.1	mg/L	1.1	meq/L
Sodium	6,180	mg/L	269	meq/L
Cations			286	meq/L
Anions			286	meq/L
Cation/Anion Difference			0.08%	

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 **Abrams #1**



Analyst



Review

CHAIN OF CUSTODY RECORD

12422

Client: COPC			Project Name / Location: Abrams #1			ANALYSIS / PARAMETERS													
Client Address:			Sampler Name: Jesse Rangel			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: 324-6179			Client No.: 96052-1706																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative													
Abrams	8/24/11	6:30am	59372	Soil Sludge Solid Aqueous	1 500 Poly														
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Relinquished by: (Signature) <i>Jesse Rangel</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>					Date	Time						
Relinquished by: (Signature)							Received by: (Signature)												
Relinquished by: (Signature)							Received by: (Signature)												

Results to
Clayton White
505-324-6179



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