envirotech
Analytical Laboratory

CATION / ANION ANALYSIS

San Jacinto S API # 3004511996

Client:	ConocoPhillips	Project #:	96052-1706
Sample ID:	1	Date Reported:	06/30/11
Laboratory Number:	58732	Date Sampled:	06/28/11
Chain of Custody:	12052	Date Received:	06/29/11
Sample Matrix:	Aqueous	Date Analyzed:	06/29/11
Preservative:	Cool		
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	**11.0**	s.u.		
Conductivity @ 25° C	**5,870**	umhos/cm		
Total Dissolved Solids @ 180C	**3,630**	mg/L		
Total Dissolved Solids (Calc)	**2,760**	mg/L		
SAR	**37.0**	ratio		
Total Alkalinity as CaCO3	**140**	mg/L		
Total Hardness as CaCO3	**102**	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	**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%**	

RCVD DEC 1 '11
OIL CONS. DIV.
DIST. 3

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

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

CHAIN OF CUSTODY RECORD

12052

Client: Conoco Phillips	Project Name / Location: San Jacinto 5
Client Address:	Sampler Name: Dan Sledzinski
Client Phone No.: 505-787-6073	Client No.: 96052-1706

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HCl	Preservative	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
1	6-28 2011	1200	58732	Soil Sludge Solid (Aqueous)	1-500 poly								X									Y	Y
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
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				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6-29-11	0710	[signature]	6/29/11	0710
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

Kody Martin 326-9724

PO# 796 1501

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CATION / ANION ANALYSIS

State Com AG 29 API # 3004512000

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		
Total Dissolved Solids (Calc)	**14,700**	mg/L		
SAR	**68.1**	ratio		
Total Alkalinity as CaCO3	**120**	mg/L		
Total Hardness as CaCO3	**823**	mg/L		
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%**	

RCVD DEC 1 '11
OIL CONS. DIV.
DIST. 3

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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