OIL CONS. DIV DIST. 3





dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

Conoco Phillips-Farmington 3401 30th Street Farmington NM, 87401 Project: Braden Head
Project Name / Number: [none]
Project Manager: David Bounds

Reported: 09/08/15 14:53

API - 30-045-06319

Navajo B 6 (Bradenhead A21)

1508243-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry	47							4.4	
Chloride*	21.0	10.0	5.00	mg/L	1	09/02/15	4500-CI- C		LLG
pH*	11.8			pH Units	- 1	08/19/15	EPA150.1	H4	MAJ
Sulfate	134	20.0	3.36	mg/L	2	09/04/15	4500-SO42- E		ABP
TDS*	880	10.0		mg/L	1	08/21/15	EPA160.1		ABP

Navajo B 6M(Bradenhead A21)

1508243-02 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry			7.14	1781			1.44 11		
Chloride*	164	20.0	10.0	mg/L	2	09/02/15	4500-CI- C		LLG
pH*	10.1			pH Units	1	08/19/15	EPA150.1	H4	MAJ
Sulfate	12.7	10.0	1.68	mg/L	1	09/04/15	4500-SO42- E		ABP
TDS*	3780	10.0		mg/L	1	08/21/15	EPA160.1		ABP

Navajo Indian B 3 (Bradenhead A21)

1508243-03 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry				M.					14
Chloride*	<10.0	10.0	5.00	mg/L	1	09/02/15	4500-CI- C		LLG
pH*	9.53			pH Units	1	08/19/15	EPA150.1		MAJ
Sulfate	162	20.0	3.36	mg/L	2	09/04/15	4500-SO42- E		ABP
TDS*	800	10.0		mg/L	1	08/21/15	EPA160.1		ABP

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

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Debbie Zufelt, Reports Manager

Dellie Zufett

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Conoco Phillips-Farmington

Farmington NM, 87401

Project: Formation Comparison

3401 30th Street

Project Name / Number: [none]

Project Manager: Kevin Fredrickson

Reported:

09/08/15 14:57

API - 30-045-06319

Navajo Indian B 3 (tubing, Area 21)

1508244-03 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry								<i>b</i>	
Alkalinity, Bicarbonate*	430	10.0		mg/L	5	08/28/15	2320 B		LLG
Alkalinity, Carbonate*	<10.0	10.0		mg/L	5	08/28/15	2320 B		LLG
Chloride*	16400	500	250	mg/L	50	09/02/15	4500-CI- C		LLG
TDS*	25600	10.0		mg/L	1	08/21/15	EPA160.1		ABP
Sulfate	<1.68	10.0	1.68	mg/L	1	09/04/15	4500-SO42- E		ABP
Potentially Dissolved Metals by ICP								dail .	
Calcium*	161	0.200	0.028	mg/L	10	08/31/15	EPA200.7		JGS
Iron*	24.6	0.500	0.035	mg/L	10	08/31/15	EPA200.7		JGS
Magnesium*	56.8	1.00	0.324	mg/L	10	08/31/15	EPA200.7		JGS
Sodium*	8760	10.0	3.05	mg/L	10	08/31/15	EPA200.7		JGS

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Conoco Phillips-Farmington 3401 30th Street Farmington NM, 87401 Project: Braden Head
Project Name / Number: [none]
Project Manager: David Bounds

Reported: 09/08/15 14:53

API - 30-045-11706

Navajo B 6 (Bradenhead A21)

1508243-01 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Chloride*	21.0	10.0	5.00	mg/L	1	09/02/15	4500-CI- C		LLG
pH*	11.8			pH Units	1	08/19/15	EPA150.1	H4	MAJ
Sulfate	134	20.0	3.36	mg/L	2	09/04/15	4500-SO42- E		ABP
TDS*	880	10.0		mg/L	1	08/21/15	EPA160.1		ABP

OIL CONS. DIV DIST. 3

Navajo B 6M(Bradenhead A21)

1508243-02 (Water)

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Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
						50 TO		0
164	20.0	10.0	mg/L	2	09/02/15	4500-CI- C		LLG
10.1			pH Units	1	08/19/15	EPA150.1	H4	MAJ
12.7	10.0	1.68	mg/L	1	09/04/15	4500-SO42- E		ABP
3780	10.0		mg/L	1	08/21/15	EPA160.1		ABP
	164 10.1 12.7	164 20.0 10.1 12.7 10.0	164 20.0 10.0 10.1 12.7 10.0 1.68	164 20.0 10.0 mg/L 10.1 pH Units 12.7 10.0 1.68 mg/L	164 20.0 10.0 mg/L 2 10.1 pH Units 1 12.7 10.0 1.68 mg/L 1	164 20.0 10.0 mg/L 2 09/02/15 10.1 pH Units 1 08/19/15 12.7 10.0 1.68 mg/L 1 09/04/15	164 20.0 10.0 mg/L 2 09/02/15 4500-CI- C 10.1 pH Units 1 08/19/15 EPA150.1 12.7 10.0 1.68 mg/L 1 09/04/15 4500-SO42- E	Result RL MDL Units Dilution Analyzed Method Notes 164 20.0 10.0 mg/L 2 09/02/15 4500-Cl- C 10.1 pH Units 1 08/19/15 EPA150.1 H4 12.7 10.0 1.68 mg/L 1 09/04/15 4500-SO42-E

Navajo Indian B 3 (Bradenhead A21)

1508243-03 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry			11-1	0					
Chloride*	<10.0	10.0	5.00	mg/L	1	09/02/15	4500-CI- C		LLG
pH*	9.53			pH Units	1	08/19/15	EPA150.1		MAJ
Sulfate	162	20.0	3.36	mg/L	2	09/04/15	4500-SO42- E		ABP
TDS*	800	10.0		mg/L	1	08/21/15	EPA160.1		ABP

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

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Conoco Phillips-Farmington

Project: Formation Comparison

3401 30th Street

Project Name / Number: [none]

Reported:

Farmington NM, 87401

Project Manager: Kevin Fredrickson

09/08/15 14:57

API - 30-045-11706

Navajo B 6 (tubing, Area 21)

1508244-02 (Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate*	285	10.0		mg/L	5	08/28/15	2320 B		LLG
Alkalinity, Carbonate*	<10.0	10.0		mg/L	5	08/28/15	2320 B		LLG
Chloride*	7300	500	250	mg/L	50	09/02/15	4500-CI- C		LLG
TDS*	14000	10.0		mg/L	1	08/21/15	EPA160,1		ABP
Sulfate	786	200	33.6	mg/L	20	09/04/15	4500-SO42- E		ABP
Potentially Dissolved Metals by ICP			with the						
Calcium*	224	0.200	0.028	mg/L	10	08/31/15	EPA200.7		JGS
Iron*	48.7	0.500	0.035	mg/L	10	08/31/15	EPA200.7		JGS
Magnesium*	18.1	1.00	0.324	mg/L	10	08/31/15	EPA200.7		JGS
Sodium*	4800	10.0	3.05	mg/L	10	08/31/15	EPA200.7		JGS

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