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Est. 1970

Tom Hogelin
Berry Petroleum Company - Denver, CO
1999 Broadway, Suite 3700
Denver, CO 80202

Report Summary

Thursday August 07, 2014

Report Number: L713468

Samples Received: 08/02/14

Client Project:

Description: CD32 Pit Water

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/BIO041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

August 07, 2014

Tom Hogelin
Berry Petroleum Company - Denver, C
1999 Broadway, Suite 3700
Denver, CO 80202

ESC Sample # : L713468-01

Date Received : August 02, 2014
Description : CD32 Pit Water

Site ID :

Sample ID : WATER

Project # :

Collected By : Tom Hogelin
Collection Date : 07/31/14 15:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	190	2.0	mg/l	9056MOD	08/02/14	2
Sulfate	5.7	5.0	mg/l	9056MOD	08/02/14	1
pH	7.7		su	9040C	08/02/14	1
Specific Conductance	890		umhos/cm	9050A	08/06/14	1
Dissolved Solids	510	10.	mg/l	2540 C-2011	08/05/14	1
Mercury	BDL	0.00020	mg/l	7470A	08/06/14	1
Arsenic	BDL	0.020	mg/l	6010B	08/05/14	1
Barium	1.3	0.0050	mg/l	6010B	08/05/14	1
Cadmium	BDL	0.0050	mg/l	6010B	08/05/14	1
Chromium	BDL	0.010	mg/l	6010B	08/05/14	1
Lead	BDL	0.0050	mg/l	6010B	08/05/14	1
Selenium	BDL	0.020	mg/l	6010B	08/05/14	1
Silver	BDL	0.010	mg/l	6010B	08/05/14	1
TPH (GC/FID) Low Fraction	BDL	0.10	mg/l	8015D/GRO	08/03/14	1
Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	101.		% Rec.	8015D/GRO	08/03/14	1
Benzene	BDL	0.0010	mg/l	8260B	08/03/14	1
Toluene	BDL	0.0050	mg/l	8260B	08/03/14	1
Ethylbenzene	BDL	0.0010	mg/l	8260B	08/03/14	1
Total Xylenes	BDL	0.0030	mg/l	8260B	08/03/14	1
Surrogate Recovery						
Toluene-d8	106.		% Rec.	8260B	08/03/14	1
Dibromofluoromethane	104.		% Rec.	8260B	08/03/14	1
a,a,a-Trifluorotoluene	100.		% Rec.	8260B	08/03/14	1
4-Bromofluorobenzene	104.		% Rec.	8260B	08/03/14	1
TPH (GC/FID) High Fraction	0.60	0.10	mg/l	3511/8015	08/06/14	1
Surrogate recovery(%) o-Terphenyl	50.1		% Rec.	3511/8015	08/06/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

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Reported: 08/07/14 18:09 Printed: 08/07/14 18:14
L713468-01 (PH) - 7.7@18.0c

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L713468-01	WG735171	SAMP	pH	R2971778	T8