

Summary Report

Tommy Folsom
Murchison Oil & Gas Inc.
P.O. Box 627
Carlsbad, NM, 88220

Report Date: March 19, 2007

Work Order: 7031614

30-015-34206



Project Location: Mud Cat Insitu #2 and Main Pit
Project Name: Mud Cat No. 1

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
118985	N 1/4 Wall & Floor	soil	2007-03-15	10:00	2007-03-16
118986	S 1/4 Wall & Floor	soil	2007-03-15	10:20	2007-03-16
118987	E 1/4 Wall & Floor	soil	2007-03-15	10:30	2007-03-16
118988	W 1/4 Wall & Floor	soil	2007-03-15	10:40	2007-03-16
118989	Background @ Mud Cat Location	soil	2007-03-15	11:00	2007-03-16

Sample: 118985 - N 1/4 Wall & Floor

Param	Flag	Result	Units	RL
Chloride		233	mg/Kg	5.00

Sample: 118986 - S 1/4 Wall & Floor

Param	Flag	Result	Units	RL
Chloride		264	mg/Kg	5.00

Sample: 118987 - E 1/4 Wall & Floor

Param	Flag	Result	Units	RL
Chloride		253	mg/Kg	5.00

Sample: 118988 - W 1/4 Wall & Floor

Param	Flag	Result	Units	RL
Chloride		296	mg/Kg	5.00

Sample: 118989 - Background @ Mud Cat Location

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This is only a summary. Please, refer to the complete report package for quality control data.

Report Date: March 19, 2007

Work Order: 7031614

Page Number: 2 of 2

Mud Cat No. 1

Mud Cat Insitu #2 and Main Pit

Param	Flag	Result	Units	RL
Chloride		<10.0	mg/Kg	5.00

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Analytical and Quality Control Report

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Project Name: Mud Cat No. 1
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Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
118985	N 1/4 Wall & Floor	soil	2007-03-15	10:00	2007-03-16
118986	S 1/4 Wall & Floor	soil	2007-03-15	10:20	2007-03-16
118987	E 1/4 Wall & Floor	soil	2007-03-15	10:30	2007-03-16
118988	W 1/4 Wall & Floor	soil	2007-03-15	10:40	2007-03-16
118989	Background @ Mud Cat Location	soil	2007-03-15	11:00	2007-03-16

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Report Date: March 19, 2007
Mud Cat No. 1

Work Order: 7031614
Mud Cat No. 1

Page Number: 2 of 4
Mud Cat Insitu #2 and Main Pit

Analytical Report

Sample: 118985 - N 1/4 Wall & Floor

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35658	Date Analyzed:	2007-03-16	Analyzed By:	JS
Prep Batch:	30929	Sample Preparation:	2007-03-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		233	mg/Kg	4	5.00

Sample: 118986 - S 1/4 Wall & Floor

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35658	Date Analyzed:	2007-03-16	Analyzed By:	JS
Prep Batch:	30929	Sample Preparation:	2007-03-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		264	mg/Kg	2	5.00

Sample: 118987 - E 1/4 Wall & Floor

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35658	Date Analyzed:	2007-03-16	Analyzed By:	JS
Prep Batch:	30929	Sample Preparation:	2007-03-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		253	mg/Kg	10	5.00

Sample: 118988 - W 1/4 Wall & Floor

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35658	Date Analyzed:	2007-03-16	Analyzed By:	JS
Prep Batch:	30929	Sample Preparation:	2007-03-16	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		296	mg/Kg	2	5.00

Sample: 118989 - Background @ Mud Cat Location

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	35658	Date Analyzed:	2007-03-16	Analyzed By:	JS
Prep Batch:	30929	Sample Preparation:	2007-03-16	Prepared By:	JS

Report Date: March 19, 2007
Mud Cat No. 1

Work Order: 7031614
Mud Cat No. 1

Page Number: 3 of 4
Mud Cat Insitu #2 and Main Pit

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<10.0	mg/Kg	2	5.00

Method Blank (1) QC Batch: 35658

QC Batch: 35658 Date Analyzed: 2007-03-16 Analyzed By: JS
Prep Batch: 30929 QC Preparation: 2007-03-16 Prepared By: JS

Parameter	Flag	MDL Result	Units	RL
Chloride		<3.25	mg/Kg	5

Laboratory Control Spike (LCS-1)

QC Batch: 35658 Date Analyzed: 2007-03-16 Analyzed By: JS
Prep Batch: 30929 QC Preparation: 2007-03-16 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.5	mg/Kg	1	100	<3.25	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	99.9	mg/Kg	1	100	<3.25	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 118985

QC Batch: 35658 Date Analyzed: 2007-03-16 Analyzed By: JS
Prep Batch: 30929 QC Preparation: 2007-03-16 Prepared By: JS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	¹ 415	mg/Kg	4	400	233	46	84.6 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	² 412	mg/Kg	4	400	233	45	84.6 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

²Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Report Date: March 19, 2007
Mud Cat No. 1

Work Order: 7031614
Mud Cat No. 1

Page Number: 4 of 4
Mud Cat Insitu #2 and Main Pit

Standard (ICV-1)

QC Batch: 35658

Date Analyzed: 2007-03-16

Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.7	100	85 - 115	2007-03-16

Standard (CCV-1)

QC Batch: 35658

Date Analyzed: 2007-03-16

Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-03-16

