Report Date: July 26, 2007

Work Order: 7072518 Rio State #4

Page Number: 1 of 1 Burial Pit #3-insitu

Summary Report

Tommy Folsom Murchison Oil & Gas Inc.

P.O. Box 627

Carlsbad, NM, 88220

Report Date: July 26, 2007

Work Order: 7072518

Project Location: Burial Pit #3-insitu

Project Name:

Rio State #4

30-015-34653

	~		Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
130886	S Floor & Wall Comp	soil	2007-07-24	11:00	2007-07-25
130887	W Floor & Wall Comp	soil	2007-07-24	11:20	2007-07-25
130888	N Floor & Wall Comp	soil	2007-07-24	11:55	2007-07-25
130889	E Floor & Wall Comp	soil	2007-07-24	12:30	2007-07-25

Sample: 130886 - S Floor & Wall Comp

Param	Flag	Result	Units	RL
Chloride		380	mg/Kg	5.00

Sample: 130887 - W Floor & Wall Comp

Param	Flag	Result	Units	RL
Chloride		84.6	mg/Kg	5.00

Sample: 130888 - N Floor & Wall Comp

Param	Flag	Result	Units	RL
Chloride		496	mg/Kg	5.00

Sample: 130889 - E Floor & Wall Comp

Param	Flag	Result	Units	RL
Chloride		196	mg/Kg	5.00

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FCO2 basin Sticer RulerAT + BOTE Hair & Faraway Suits 110 If t Worth Texas 76152

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Analytical and Quality Control Report

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

Report Date: July 26, 2007

Work Order:

7072518

Burial Pit #3-insitu Project Location: Project Name: Rio State #4 Project Number: Burial Pit #3-insitu

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
130886	S Floor & Wall Comp	soil	2007-07-24	11:00	2007-07-25
130887	W Floor & Wall Comp	soil	2007-07-24	11:20	2007-07-25
130888	N Floor & Wall Comp	soil	2007-07-24	11:55	2007-07-25
130889	E Floor & Wall Comp	soil	2007-07-24	12:30	2007-07-25

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 5 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.

Case Narrative

Samples for project Rio State #4 were received by TraceAnalysis, Inc. on 2007-07-25 and assigned to work order 7072518. Samples for work order 7072518 were received intact at a temperature of 22.0 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Chloride (Titration)	SM 4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7072518 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Report Date: July 26, 2007 Burial Pit #3-insitu

Work Order: 7072518 Rio State #4

Page Number: 3 of 5 Burial Pit #3-insitu

Analytical Report

Sample:	130886	-	\mathbf{S}	Floor	& z	Wall	Comp
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Analysis: Chloride (Titration)

QC Batch: 39426 Prep Batch: 34133

Analytical Method: SM 4500-Cl B Date Analyzed:

Sample Preparation:

2007-07-25 2007-07-25 Prep Method: N/A Analyzed By: ER Prepared By: JS

RL

Units Dilution RLParameter Flag Result Chloride 380 10 5.00 mg/Kg

Sample: 130887 - W Floor & Wall Comp

Analysis: QC Batch:

Chloride (Titration)

39426 Prep Batch: 34133

Analytical Method: Date Analyzed: Sample Preparation:

 $\mathrm{SM}\ 4500\text{-}\mathrm{Cl}\ \mathrm{B}$ 2007-07-25 2007-07-25

Prep Method: N/A Analyzed By: ERPrepared By: $_{
m JS}$

RL

Units Parameter Flag Result Dilution RLChloride 84.6 5.00 mg/Kg 4

Sample: 130888 - N Floor & Wall Comp

Analysis: QC Batch: Prep Batch: Chloride (Titration)

39426 34133

Analytical Method: Date Analyzed:

SM 4500-Cl B 2007-07-25 Sample Preparation: 2007-07-25

Prep Method: N/A Analyzed By: ERPrepared By: JS

RL

Flag Parameter Result Units Dilution RLChloride 496 mg/Kg 10 5.00

Sample: 130889 - E Floor & Wall Comp

Analysis: QC Batch: Chloride (Titration)

39426 Prep Batch: 34133 Analytical Method: Date Analyzed:

Sample Preparation:

SM 4500-Cl B 2007-07-25 2007-07-25

Prep Method: N/A Analyzed By: ERPrepared By: JS

Parameter Flag Chloride

RLResult Units Dilution RL196 mg/Kg 10 5.00

Method Blank (1) QC Batch: 39426

QC Batch: 39426 Prep Batch: 34133 Date Analyzed: 2007-07-25 QC Preparation: 2007-07-25 Analyzed By: ERPrepared By:

Report Date: July 26, 2007 Burial Pit #3-insitu Work Order: 7072518 Rio State #4 Page Number: 4 of 5 Burial Pit #3-insitu

		MDL		
Parameter	Flag	Result	${ m Units}$	RL
Chloride		< 3.25	mg/Kg	5

Laboratory Control Spike (LCS-1)

QC Batch: 39426 Prep Batch: 34133 Date Analyzed: 2007-07-25 QC Preparation: 2007-07-25 Analyzed By: ER Prepared By: TS

	LCS			$_{ m Spike}$	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Chloride	101	mg/Kg	1	100	< 3.25	101	90 - 110

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

	$_{ m LCSD}$			$_{ m Spike}$	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	105	mg/Kg	1	100	< 3.25	105	90 - 110	4	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: 130887

QC Batch: 39426 Prep Batch: 34133 Date Analyzed: 2007-07-25 QC Preparation: 2007-07-25

Analyzed By: ER Prepared By: TS

		MS			Spike	Matrix		Rec.
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit
Chloride	1	293	mg/Kg	4	400	84.6	52	84.6 - 117

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

	MSD			S	Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Chloride	2	299	mg/Kg	4	400	84.6	54	84.6 - 117	2	20

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

Standard (ICV-1)

QC Batch: 39426

Date Analyzed: 2007-07-25

Analyzed By: ER

			ICVs	ICVs	ICVs	Percent	
•			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-07-25

Standard (CCV-1)

QC Batch: 39426

Date Analyzed: 2007-07-25

Analyzed By: ER

¹Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

²Matrix spike recoveries out of control limits due to matrix spike being diluted out. Use LCS/LCSD to demonstrate analysis is under control.

Report Date: July 26, 2007 Burial Pit #3-insitu Work Order: 7072518 Rio State #4 Page Number: 5 of 5 Burial Pit #3-insitu

Param	Flag	Units	CCVs True Conc	CCVs Found	CCVs Percent Recovery	Percent Recovery Limits	$\begin{array}{c} {\rm Date} \\ {\rm Analyzed} \end{array}$
Param	riag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride		mg/Kg	100	99.7	100	85 - 115	2007-07-25

Hold 6015 Harris Pkwy , Sute 110 Ft Worth, Texas 76132 Tel (817) 201-5250 Turn Around Time if different from standard ō Con bollan viscos to Ory Weight Basis Required Check If Special Reporting Limits Are Needed TRRP Report Required ANALYSIS REQUEST Moisture Content 200 East Sunset Rd , Suite E El Paso. Texas 79922 · Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443 CATT 3071 CX Hq ,2ST ,0O8 Pesticides 8081A / 608 bCB.2 8087 \ 608 Cylederna walkerner GC/MS Semi: Vol. 8270C / 625 REMARKS GC/W2 A91 8500B / 659 ВC Oresteries TCLP Pesticides ť TCLP Semi Volatiles Carl San A7 devine }-TCLP Volatiles 5002 Basin Street, Suite A1 Midland, Texas 79703 Tel (432) 689-6301 Fax (432) 589-6313 Z Log In-Review 75. TCLP Metals Ag As Ba Cd Cr Pb Se Hg LAB USE Total Merals Ag As Ba Cd Cr Pb Se Hg 6010B/200 7 ONLY Z Z PAH 8270C / 625 TPH 8015 GRO / DRO / TVHC Headspace TPH 418 1 / TX1005 / TX1005 EX(C35) Carner# Temp 7 8021B / 602 / 8260B / 624 8TEX 8021B | 602 | 8260B | 624 **BETM** 7012519 1072518 730 1.55 61,31 Al grdeen Avenue, Suite 9 Lui hock, Texas 78424 — (et (805) 794-1296 Fax (805) 794-1298 1 (800) 378-1298 SAMPLING TIME E-mail: LEBERTION WILLEST COM DATE Order ID 05-766-0667 Time: 3116 PRESERVATIVE NONE **≻**£5 Submittal of samples constitutes agreement to Termis and Conditions listed on reverse side of C O C METHOD ICE Sampler Signature. HOBN Date: Date: Date: 70S'H Project Name: 'ОИН HCI Received at Laboratory by STADGE MATRIX TRECAUSTINS, IIC. AIA SOIF **ABTAW** email' lab@traceanalysis.com Received Received JanomA \ emuloV # CONTAINERS Time: Time: There wall comp V Vicer : wall camp Har will comp For evall deryo. S\$220 FIELD CODE Project # Cyletett f City, Zip) A Furdinles Date: 6:1/¢ (Commy Tolaron Contact Person: (if different from above) Street, 166666000 Kelindulished by: Company Name: Relihquished W Relinquished 889 nvoice to: CAR USE 208x6 Address: LAB#