

Summary Report

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

Report Date: October 25, 2006

Work Order: 6102401



Project Number: Puma No. 1

30-015-34461

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
106692	Pit Comp W	soil	2006-10-23	13:20	2006-10-24
106693	Pit Comp E	soil	2006-10-23	13:40	2006-10-24
106694	Pit Comp N	soil	2006-10-23	13:50	2006-10-24
106695	Pit Comp S	soil	2006-10-23	14:00	2006-10-24

Sample: 106692 - Pit Comp W

Param	Flag	Result	Units	RL
Chloride		10.3	mg/Kg	1.00

Sample: 106693 - Pit Comp E

Param	Flag	Result	Units	RL
Chloride		9.80	mg/Kg	1.00

Sample: 106694 - Pit Comp N

Param	Flag	Result	Units	RL
Chloride		8.99	mg/Kg	1.00

Sample: 106695 - Pit Comp S

Param	Flag	Result	Units	RL
Chloride		9.35	mg/Kg	1.00



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Analytical and Quality Control Report

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

Report Date: October 25, 2006

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Project Number: Puma 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
106692	Pit Comp W	soil	2006-10-23	13:20	2006-10-24
106693	Pit Comp E	soil	2006-10-23	13:40	2006-10-24
106694	Pit Comp N	soil	2006-10-23	13:50	2006-10-24
106695	Pit Comp S	soil	2006-10-23	14:00	2006-10-24

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

Analytical Report

Sample: 106692 - Pit Comp W

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	31221	Date Analyzed:	2006-10-24	Analyzed By:	WB
Prep Batch:	27187	Sample Preparation:	2006-10-24	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		10.3	mg/Kg	5	1.00

Sample: 106693 - Pit Comp E

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	31221	Date Analyzed:	2006-10-24	Analyzed By:	WB
Prep Batch:	27187	Sample Preparation:	2006-10-24	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		9.80	mg/Kg	5	1.00

Sample: 106694 - Pit Comp N

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	31221	Date Analyzed:	2006-10-24	Analyzed By:	WB
Prep Batch:	27187	Sample Preparation:	2006-10-24	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8.99	mg/Kg	5	1.00

Sample: 106695 - Pit Comp S

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	31221	Date Analyzed:	2006-10-24	Analyzed By:	WB
Prep Batch:	27187	Sample Preparation:	2006-10-24	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		9.35	mg/Kg	5	1.00

Matrix Blank (1) QC Batch: 31221

QC Batch:	31221	Date Analyzed:	2006-10-24	Analyzed By:	WB
Prep Batch:	27187	QC Preparation:	2006-10-24	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0222	mg/Kg	1

Laboratory Control Spike (LCS-1)

QC Batch: 31221
Prep Batch: 27187

Date Analyzed: 2006-10-24
QC Preparation: 2006-10-24

Analyzed By: WB
Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	13.7	mg/Kg	1	12.5	<0.0222	110	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	13.8	mg/Kg	1	12.5	<0.0222	110	90 - 110	1	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:

QC Batch: 31221
Prep Batch: 27187

Date Analyzed: 2006-10-24
QC Preparation: 2006-10-24

Analyzed By: WB
Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	71.2	mg/Kg	5	62.5	9.35	99	15.3 - 175

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	70.3	mg/Kg	5	62.5	9.35	98	15.3 - 175	1	20

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

Standard (ICV-1)

QC Batch: 31221

Date Analyzed: 2006-10-24

Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	13.4	107	90 - 110	2006-10-24

Standard (CCV-1)

QC Batch: 31221

Date Analyzed: 2006-10-24

Analyzed By: WB

Report Date: October 25, 2006
Puma No. 1

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Page Number: 4 of 5

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.9	103	90 - 110	2006-10-24

TraceAnalysis, Inc. 5701 Aberdeen Avenue, Ste. 9 Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1296 email: lab@traceanalysis.com		155 McCutcheon, Suite H El Paso, Texas 79932 Tel (915) 585-3443 Fax (915) 585-4944 1 (888) 588-3443	
Company Name: <i>Murchison Oil, Gas, Inc.</i> Address: <i>Carlsbad, NM 88220</i> Contact Person: <i>Tommy Tolson</i> Phone #: <i>505-706-0667</i> Fax #: <i>505-706-0667</i> E-mail: <i>tommytolson@valnet.com</i>		Project Name: <i>Puma No. 1</i> Project Location (including state): <i>Carlsbad, NM</i>	
LAB # <i>106192 P.T. Comp. W</i> <i>93 P.T. " E</i> <i>94 P.T. " N</i> <i>95 P.T. Comp. S</i>		FIELD CODE 	
LAB USE ONLY 		SAMPLING 	
MATRIX WATER SOIL AIR SLUDGE		PRESERVATIVE METHOD NONE ICE NaOH H ₂ SO ₄ HNO ₃ HCl	
VOLUME / AMOUNT 		DATE <i>10/23</i> <i>1340</i> <i>1350</i> <i>1400</i>	
# CONTAINERS 		TIME 	
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST LAB Order ID # <i>4102401</i>		ANALYSIS REQUEST (Circle or Specify Method No.)	
MTBE 8021B / 602 / 8260B / 624 BTEX 8021B / 602 / 8260B / 624 TPH 418.1 / TX1005 / TX1005 EX(C35) TPH 8015 GRO / DRO / TVHC PAH 8270C / 625 Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles TCLP Pesticides RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C / 625 PCB's 8082 / 608 Pesticides 8081A / 608 BOD, TSS, pH Moisture Content		Turn Around Time if different from standard 	
LAB USE ONLY Intact ☒ / N Headspace ☒ / N Temp <i>21°C</i> Log-in-Review <i>WNS</i>		REMARKS: <i>ASAP</i> ☐ Dry Weight Basis Required ☐ TRRP Report Required ☐ Check if Special Reporting Limits Are Needed	
Carrier # <i>Bio G-1 168 8881271</i>			

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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