

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Kerr-McGee Oil & Gas Onshore LP

GWA_EOR_Unit

FID:0 Reg:N/A Freq.:SP

SGS Job Number: DA55944X

Sampling Date: 06/05/23



Report to:

Kerr-McGee Oil & Gas Onshore LP
112 High Street
Buffalo, WY 82834
tanya.cude@absarokasolutions.com; AnadarkoDataMngt@ghd.com;
joel.mason@absarokasolutions.com; jordan.fleming@absarokasolutions.com
ATTN: Tanya Cude

Total number of pages in report: 25



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), NE (NE-OS-06-04), ND (R-027), UT (NELAP CO00049)
LA (LA150028), TX (T104704511), WY (8TMS-L), HI (CO00049), NJ (CO011), NV (CO00049)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Subcontract Lab Data	4
Section 3: Misc. Forms	21
3.1: Chain of Custody	22



Sample Summary

Kerr-McGee Oil & Gas Onshore LP

Job No: DA55944X

GWA_EOR_Unit

Project No: FID:0 Reg:N/A Freq.:SP

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
DA55944-1X	06/05/23	10:05 JB	06/06/23	AQ	Ground Water	SENW_9_IN_65W

Subcontract Lab Data

Report of Analysis

June 16, 2023

Angela Wu
SGS North America Inc.
4036 Youngfield St
Wheat Ridge, Colorado 80033

Re: SGS North America Colorado
Work Order: 625125
SDG: DA55944X

Dear Angela Wu:

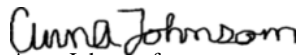
GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 08, 2023. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Test results for NELAP or ISO 17025 accredited tests are verified to meet the requirements of those standards, with any exceptions noted. The results reported relate only to the items tested and to the sample as received by the laboratory. These results may not be reproduced except as full reports without approval by the laboratory. Copies of GEL's accreditations and certifications can be found on our website at www.gel.com.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. .

Sincerely,



Anna Johnson for
Alaina Pinnick
Project Manager

Purchase Order: PO
Enclosures

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis Report for

ACTL001 SGS North America Inc.

Client SDG: DA55944X GEL Work Order: 625125

The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a Tracer compound
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

The designation ND, if present, appears in the result column when the analyte concentration is not detected above the limit as defined in the 'U' qualifier above.

This data report has been prepared and reviewed in accordance with GEL Laboratories LLC standard operating procedures. Please direct any questions to your Project Manager, Alaina Pinnick.

Reviewed by _____

Alaina Johnson

GEL LABORATORIES LLC

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2

Certificate of Analysis

Company : SGS
 Address : 4036 Youngfield St
 Wheat Ridge, Colorado 80033
 Contact: SGS Client Services
 Project: SGS North America Colorado

Report Date: June 16, 2023

Client Sample ID: DA55944X Project: ACTLColorado
 Sample ID: 625125001 Client ID: ACTL001
 Matrix: Water
 Collect Date: 05-JUN-23
 Receive Date: 08-JUN-23
 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.372	+/-0.803	1.44	+/-0.809	3.00	pCi/L			JE1	06/15/23	1140	2441879	1
Rad Radium-226														
<i>Lucas Cell, Ra226, liquid "As Received"</i>														
Radium-226		0.600	+/-0.351	0.353	+/-0.365	1.00	pCi/L			LXP1	06/16/23	0803	2442093	2

The following Analytical Methods were performed

Method	Description
1	EPA 904.0/SW846 9320 Modified
2	EPA 903.1 Modified

Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2441879	81.3	(15%-125%)

Notes:

The MDC is a sample specific MDC.
 TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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2

Certificate of Analysis

Company : SGS North America Inc.
 Address : 4036 Youngfield St
 Wheat Ridge, Colorado 80033
 Contact: Angela Wu
 Project: SGS North America Colorado

Report Date: June 16, 2023

Client Sample ID: DA55944X Project: ACTLColorado
 Sample ID: 625125001 Client ID: ACTL001
 Matrix: Water
 Collect Date: 05-JUN-23
 Receive Date: 08-JUN-23
 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.372	+/-0.803	1.44	+/-0.809	3.00	pCi/L			JE1	06/15/23	1140	2441879	1
Rad Radium-226														
<i>Lucas Cell, Ra226, liquid "As Received"</i>														
Radium-226		0.600	+/-0.351	0.353	+/-0.365	1.00	pCi/L			LXP1	06/16/23	0803	2442093	2

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Notes:

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Column headers are defined as follows:

DF: Dilution Factor	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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2

Certificate of Analysis

Company : SGS North America Inc.
 Address : 4036 Youngfield St
 Wheat Ridge, Colorado 80033
 Contact: Rebecca Nichols
 Project: SGS North America Colorado

Report Date: June 16, 2023

Client Sample ID: DA55944X Project: ACTLColorado
 Sample ID: 625125001 Client ID: ACTL001
 Matrix: Water
 Collect Date: 05-JUN-23
 Receive Date: 08-JUN-23
 Collector: Client

Parameter	Qualifier	Result	Uncertainty	MDC	TPU	RL	Units	PF	DF	Analyst	Date	Time	Batch	Mtd.
Rad Gas Flow Proportional Counting														
<i>GFPC Ra228, Liquid "As Received"</i>														
Radium-228	U	0.372	+/-0.803	1.44	+/-0.809	3.00	pCi/L			JE1	06/15/23	1140	2441879	1
Rad Radium-226														
<i>Lucas Cell, Ra226, liquid "As Received"</i>														
Radium-226		0.600	+/-0.351	0.353	+/-0.365	1.00	pCi/L			LXP1	06/16/23	0803	2442093	2

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Method	Description
1	EPA 904.0/SW846 9320 Modified
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Surrogate/Tracer Recovery	Test	Batch ID	Recovery%	Acceptable Limits
Barium-133 Tracer	GFPC Ra228, Liquid "As Received"	2441879	81.3	(15%-125%)

Notes:

The MDC is a sample specific MDC.
 TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

Column headers are defined as follows:

DF: Dilution Factor	Mtd.: Method
DL: Detection Limit	PF: Prep Factor
Lc/LC: Critical Level	RL: Reporting Limit
MDA: Minimum Detectable Activity	TPU: Total Propagated Uncertainty
MDC: Minimum Detectable Concentration	

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2

QC Summary

Report Date: June 16, 2023
Page 1 of 2

Client : SGS
4036 Youngfield St

Wheat Ridge, Colorado
Contact: SGS Client Services
Workorder: 625125

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow									
Batch	2441879								
QC1205429486	625122001 DUP								
Radium-228		7.22	8.60	pCi/L	17.4		(0%-20%)	JE1	06/15/2311:40
		Uncert: +/-1.31	+/-1.51						
		TPU: +/-2.25	+/-2.65						
QC1205429487	LCS								
Radium-228	81.8		81.8	pCi/L		100	(75%-125%)	JE1	06/15/2311:40
		Uncert: +/-4.47							
		TPU: +/-21.6							
QC1205429485	MB								
Radium-228			U -1.59	pCi/L				JE1	06/15/2311:40
		Uncert: +/-1.01							
		TPU: +/-1.01							
Rad Ra-226									
Batch	2442093								
QC1205429847	624734001 DUP								
Radium-226		0.789	0.406	pCi/L	64		(0% - 100%)	LXP1	06/16/2308:40
		Uncert: +/-0.481	+/-0.276						
		TPU: +/-0.500	+/-0.289						
QC1205429849	LCS								
Radium-226	25.9		24.9	pCi/L		96.1	(75%-125%)	LXP1	06/16/2308:40
		Uncert: +/-2.18							
		TPU: +/-4.79							
QC1205429846	MB								
Radium-226			U 0.438	pCi/L				LXP1	06/16/2308:40
		Uncert: +/-0.393							
		TPU: +/-0.401							
QC1205429848	624734001 MS								
Radium-226	130	0.789	110	pCi/L		84.1	(75%-125%)	LXP1	06/16/2308:40
		Uncert: +/-0.481	+/-9.76						
		TPU: +/-0.500	+/-26.9						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

The Qualifiers in this report are defined as follows:

- U Analyte was analyzed for, but not detected above the MDL, MDA, MDC or LOD.
- J Value is estimated
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- H Analytical holding time was exceeded
- < Result is less than value reported
- > Result is greater than value reported

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2

QC Summary

Workorder: 625125

Page 2 of 2

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
UI	Gamma Spectroscopy--Uncertain identification								
BD	Results are either below the MDC or tracer recovery is low								
h	Preparation or preservation holding time was exceeded								
R	Sample results are rejected								
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.								
N/A	RPD or %Recovery limits do not apply.								
ND	Analyte concentration is not detected above the detection limit								
M	M if above MDC and less than LLD								
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier								
FA	Failed analysis.								
UJ	Gamma Spectroscopy--Uncertain identification								
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.								
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.								
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.								
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.								
N1	See case narrative								
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.								
**	Analyte is a Tracer compound								
M	REMP Result > MDC/CL and < RDL								
J	See case narrative for an explanation								

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

** Indicates analyte is a surrogate/tracer compound.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

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2

QC Summary

Client : SGS North America Inc.
4036 Youngfield St

Report Date: June 16, 2023
Page 1 of 2

Contact: Wheat Ridge, Colorado
Angela Wu
Workorder: 625125

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow									
Batch	2441879								
QC1205429486	625122001 DUP								
Radium-228		7.22	8.60	pCi/L	17.4		(0%-20%)	JE1	06/15/2311:40
		Uncert: +/-1.31	+/-1.51						
		TPU: +/-2.25	+/-2.65						
QC1205429487	LCS								
Radium-228	81.8		81.8	pCi/L		100	(75%-125%)	JE1	06/15/2311:40
		Uncert: +/-4.47							
		TPU: +/-21.6							
QC1205429485	MB								
Radium-228			U -1.59	pCi/L				JE1	06/15/2311:40
		Uncert: +/-1.01							
		TPU: +/-1.01							
Rad Ra-226									
Batch	2442093								
QC1205429847	624734001 DUP								
Radium-226		0.789	0.406	pCi/L	64		(0% - 100%)	LXP1	06/16/2308:40
		Uncert: +/-0.481	+/-0.276						
		TPU: +/-0.500	+/-0.289						
QC1205429849	LCS								
Radium-226	25.9		24.9	pCi/L		96.1	(75%-125%)	LXP1	06/16/2308:40
		Uncert: +/-2.18							
		TPU: +/-4.79							
QC1205429846	MB								
Radium-226			U 0.438	pCi/L				LXP1	06/16/2308:40
		Uncert: +/-0.393							
		TPU: +/-0.401							
QC1205429848	624734001 MS								
Radium-226	130	0.789	110	pCi/L		84.1	(75%-125%)	LXP1	06/16/2308:40
		Uncert: +/-0.481	+/-9.76						
		TPU: +/-0.500	+/-26.9						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

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QC Summary

Workorder: 625125

Page 2 of 2

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
UI	Gamma Spectroscopy--Uncertain identification									
BD	Results are either below the MDC or tracer recovery is low									
h	Preparation or preservation holding time was exceeded									
R	Sample results are rejected									
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.									
N/A	RPD or %Recovery limits do not apply.									
ND	Analyte concentration is not detected above the detection limit									
M	M if above MDC and less than LLD									
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier									
FA	Failed analysis.									
UJ	Gamma Spectroscopy--Uncertain identification									
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.									
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.									
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.									
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.									
N1	See case narrative									
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.									
**	Analyte is a Tracer compound									
M	REMP Result > MDC/CL and < RDL									
J	See case narrative for an explanation									

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

** Indicates analyte is a surrogate/tracer compound.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

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2

QC Summary

Client : SGS North America Inc.
4036 Youngfield St

Report Date: June 16, 2023
Page 1 of 2

Contact: Wheat Ridge, Colorado

Workorder: 625125

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow									
Batch	2441879								
QC1205429486	625122001 DUP								
Radium-228		7.22	8.60	pCi/L	17.4		(0%-20%)	JE1	06/15/2311:40
		Uncert: +/-1.31	+/-1.51						
		TPU: +/-2.25	+/-2.65						
QC1205429487	LCS								
Radium-228	81.8		81.8	pCi/L		100	(75%-125%)	JE1	06/15/2311:40
		Uncert: +/-4.47							
		TPU: +/-21.6							
QC1205429485	MB								
Radium-228			U -1.59	pCi/L				JE1	06/15/2311:40
		Uncert: +/-1.01							
		TPU: +/-1.01							
Rad Ra-226									
Batch	2442093								
QC1205429847	624734001 DUP								
Radium-226		0.789	0.406	pCi/L	64		(0% - 100%)	LXP1	06/16/2308:40
		Uncert: +/-0.481	+/-0.276						
		TPU: +/-0.500	+/-0.289						
QC1205429849	LCS								
Radium-226	25.9		24.9	pCi/L		96.1	(75%-125%)	LXP1	06/16/2308:40
		Uncert: +/-2.18							
		TPU: +/-4.79							
QC1205429846	MB								
Radium-226			U 0.438	pCi/L				LXP1	06/16/2308:40
		Uncert: +/-0.393							
		TPU: +/-0.401							
QC1205429848	624734001 MS								
Radium-226	130	0.789	110	pCi/L		84.1	(75%-125%)	LXP1	06/16/2308:40
		Uncert: +/-0.481	+/-9.76						
		TPU: +/-0.500	+/-26.9						

Notes:

TPU and Counting Uncertainty are calculated at the 95% confidence level (1.96-sigma).

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2

QC Summary

Workorder: 625125

Page 2 of 2

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
UI	Gamma Spectroscopy--Uncertain identification									
BD	Results are either below the MDC or tracer recovery is low									
h	Preparation or preservation holding time was exceeded									
R	Sample results are rejected									
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.									
N/A	RPD or %Recovery limits do not apply.									
ND	Analyte concentration is not detected above the detection limit									
M	M if above MDC and less than LLD									
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier									
FA	Failed analysis.									
UJ	Gamma Spectroscopy--Uncertain identification									
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K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.									
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L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.									
N1	See case narrative									
Y	Other specific qualifiers were required to properly define the results. Consult case narrative.									
**	Analyte is a Tracer compound									
M	REMP Result > MDC/CL and < RDL									
J	See case narrative for an explanation									

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.

** Indicates analyte is a surrogate/tracer compound.

^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.

For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Radiochemistry
Technical Case Narrative
SGS North America Inc.
SDG #: DA55944X
Work Order #: 625125

Product: GFPC Ra228, Liquid

Analytical Method: EPA 904.0/SW846 9320 Modified

Analytical Procedure: GL-RAD-A-063 REV# 5

Analytical Batch: 2441879

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
625125001	DA55944X
1205429485	Method Blank (MB)
1205429486	625122001(DA55942X) Sample Duplicate (DUP)
1205429487	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable, with the following exceptions.

Preparation Information

Homogenous Matrix

Samples were non-homogenous matrix. Particles

Product: Lucas Cell, Ra226, liquid

Analytical Method: EPA 903.1 Modified

Analytical Procedure: GL-RAD-A-008 REV# 15

Analytical Batch: 2442093

The following samples were analyzed using the above methods and analytical procedure(s).

<u>GEL Sample ID#</u>	<u>Client Sample Identification</u>
625125001	DA55944X
1205429846	Method Blank (MB)
1205429847	624734001(NonSDG) Sample Duplicate (DUP)
1205429848	624734001(NonSDG) Matrix Spike (MS)
1205429849	Laboratory Control Sample (LCS)

The samples in this SDG were analyzed on an "as received" basis.

Data Summary:

There are no exceptions, anomalies or deviations from the specified methods. All sample data provided in this report met the acceptance criteria specified in the analytical methods and procedures for initial calibration, continuing calibration, instrument controls and process controls where applicable.

Certification Statement

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless otherwise noted in the analytical case narrative.

SAMPLE RECEIPT & REVIEW FORM

Client: ACTL		SDG/AR/COC/Work Order: 625122, 625125			
Received By: Stacy Boone		Date Received: 8-JUNE-23			
Carrier and Tracking Number		Circle Applicable: <input type="checkbox"/> FedEx Express <input type="checkbox"/> FedEx Ground <input type="checkbox"/> UPS <input type="checkbox"/> Field Services <input type="checkbox"/> Courier <input type="checkbox"/> Other 6466 4891 9090			
Suspected Hazard Information		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No *If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.			
A) Shipped as a DOT Hazardous?		<input checked="" type="checkbox"/> Hazard Class Shipped: _____ UN#: _____ If UN2910, Is the Radioactive Shipment Survey Compliant? Yes ___ No ___			
B) Did the client designate the samples are to be received as radioactive?		<input checked="" type="checkbox"/> COC notation or radioactive stickers on containers equal client designation.			
C) Did the RSO classify the samples as radioactive?		<input checked="" type="checkbox"/> Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u> </u> CPM / mR/Hr Classified as: Rad 1 Rad 2 Rad 3			
D) Did the client designate samples are hazardous?		<input checked="" type="checkbox"/> COC notation or hazard labels on containers equal client designation.			
E) Did the RSO identify possible hazards?		<input checked="" type="checkbox"/> If D or E is yes, select Hazards below. <input type="checkbox"/> PCB's <input type="checkbox"/> Flammable <input type="checkbox"/> Foreign Soil <input type="checkbox"/> RCRA <input type="checkbox"/> Asbestos <input type="checkbox"/> Beryllium <input type="checkbox"/> Other:			
Sample Receipt Criteria		Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Client contacted and provided COC COC created upon receipt
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Preservation Method: Wet Ice Ice Packs Dry ice None Other: *all temperatures are recorded in Celsius TEMP: <u>16</u>
4	Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Temperature Device Serial #: <u>IRJ-23</u> Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's and Containers Affected: If Preservation added, Lot#: _____
7	Do any samples require Volatile Analysis?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	If Yes, are Encores or Soil Kits present for solids? Yes ___ No ___ NA ___ (If yes, take to VOA Freezer)
					Do liquid VOA vials contain acid preservation? Yes ___ No ___ NA ___ (If unknown, select No)
7		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are liquid VOA vials free of headspace? Yes ___ No ___ NA ___
					Sample ID's and containers affected:
8	Samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ID's and containers affected:
10	Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: No dates on containers No times on containers COC missing info Other (describe)
11	Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: No container count on COC Other (describe)
12	Are sample containers identifiable as GEL provided by use of GEL labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Not relinquished Other (describe)
Comments (Use Continuation Form if needed):					

PM (or PMA) review: Initials AB Date 6/9/23 Page 1 of 1

GL-CHL-SR-001 Rev 7

List of current GEL Certifications as of 16 June 2023

State	Certification
Alabama	42200
Alaska	17-018
Alaska Drinking Water	SC00012
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana Drinking Water	LA024
Louisiana NELAP	03046 (AI33904)
Maine	2019020
Maryland	270
Massachusetts	M-SC012
Massachusetts PFAS Approv	Letter
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122023-4
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	2022-160
Pennsylvania NELAP	68-00485
Puerto Rico	SC00012
S. Carolina Radiochem	10120002
Sanitation Districts of L	9255651
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-22-20
Utah NELAP	SC000122022-37
Vermont	VT87156
Virginia NELAP	460202
Washington	C780

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

4036 Youngfield Street, Wheat Ridge, CO 80033
TEL: 303-425-6021 FAX: 303-425-6854
www.accutest.com

Table with 2 columns: Bottle Order Control #, FED-EX Tracking #; SGS Quote #, SGS Job # DA55944

Main form containing Client/Reporting Information, Project Information, Requested Analysis, Matrix Codes, Collection table, Data Deliverable Information, and Sample Custody sections.

31 3

DA55944X: Chain of Custody

Page 1 of 4



SGS Sample Receipt Summary

Job Number: DA55944

Client: ABSAROKA

Project: GWA

Date / Time Received: 6/6/2023 3:00:00 PM

Delivery Method: CO

Airbill #s:

Cooler Temps (Initial/Adjusted): #1: (3/3):

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|----------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Thermometer ID: | IR Gun; | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 1 | |

Quality Control Preservation

Y or N N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

DA55944X: Chain of Custody

Page 2 of 4

Problem Resolution

Page 2 of 2

Job Number: DA55944

CSR: _____

Response Date: _____

Response:

3.1
3

DA55944X: Chain of Custody
Page 3 of 4

Job Change Order: DA55944

Requested Date: 6/7/2023 Received Date: 6/6/2023
Account Name: Kerr-McGee Oil & Gas Onshore L Due Date: 6/7/2023
Project Description: GWA_EOR_Unit Deliverable: COMMBN
C/O Initiated By: SHALIN_WI PM: PP TAT (Days): 1

Sample #: DA55944-ALL Dept: LOGIN

Client ID: TAT: 1

Change: Please revise ID to- SENW_9_1N_65W

DA55944X: Chain of Custody
Page 4 of 4

Above Changes Per: Tanya Cude Date/Time: 6/7/2023

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.