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Automated Report

Technical Report for

Kerr-McGee Oil & Gas Onshore LP

GWA_Land_Fed_10_29HZ

FID:708165 Reg:Vol. Freq.:IN

SGS Job Number: DA57147

Sampling Date: 07/20/23

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: 18



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 unless noted in the narrative, comments or footnotes.

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)

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Test results relate only to samples analyzed.

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Sample Summary

Kerr-McGee Oil & Gas Onshore LP

Job No: DA57147

GWA_Land_Fed_10_29HZ

Project No: FID:708165 Reg:Vol. Freq.:IN

Sample Number	Collected Date	Time By	Received	Matrix Code Type	Client Sample ID
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This report contains results reported as ND = Not detected. The following applies:

Organics ND = Not detected above the MDL

DA57147-1 07/20/23 09:59 PP 07/21/23 AQ Trip Blank Water BW_GILDEA_264754_TRIP_BLANK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Kerr-McGee Oil & Gas Onshore LP

Job No: DA57147

Site: GWA_Land_Fed_10_29HZ

Report Date 7/31/2023 4:11:57 AM

On 07/21/2023, 0 sample(s), 1 Trip Blank(s), and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2.9 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of DA57147 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260B

Matrix: AQ	Batch ID: V5V3744
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- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

GC Volatiles By Method SW846 8015D

Matrix: AQ	Batch ID: GGA2757
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- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: DA57147
Account: Kerr-McGee Oil & Gas Onshore LP
Project: GWA_Land_Fed_10_29HZ
Collected: 07/20/23



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA57147-1 BW_GILDEA_264754_TRIP_BLANK

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: BW_GILDEA_264754_TRIP_BLANK	Date Sampled: 07/20/23
Lab Sample ID: DA57147-1	Date Received: 07/21/23
Matrix: AQ - Trip Blank Water	Percent Solids: n/a
Method: SW846 8260B	
Project: GWA_Land_Fed_10_29HZ	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V75956.D	1	07/27/23 15:34	MB	n/a	n/a	V5V3744
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.60	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	1.0	ug/l	
	m,p-Xylene	ND	1.0	0.96	ug/l	
95-47-6	o-Xylene	ND	1.0	0.60	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
17060-07-0	1,2-Dichloroethane-D4	100%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	112%		70-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: BW_GILDEA_264754_TRIP_BLANK Lab Sample ID: DA57147-1 Matrix: AQ - Trip Blank Water Method: SW846 8015D Project: GWA_Land_Fed_10_29HZ	Date Sampled: 07/20/23 Date Received: 07/21/23 Percent Solids: n/a
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Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA61821.D	1	07/25/23 03:16	MB	n/a	n/a	GGA2757
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.040	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
120-82-1	1,2,4-Trichlorobenzene	102%		60-140%		

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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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

Bottle Order Control #
FED-EX Tracking #
SGS Quote #
SGS Job # DA57147

Client / Reporting Information
Project Information
Requested Analysis (see TEST CODE sheet)
Matrix Codes
Company: (Report to) Absaroka Solutions
Project Name: GWA_Land_Fed_10_29HZ
Frequency: IN
Street: 112 High Street
Regulation: Voluntary
Billing Information (if different from Report to)
City, State: Buffalo, WY 82834
Facility ID: 708165
Company: Occidental Petroleum Corporation (OXY)
Project Contact: Tanya Cude
EQuS Facility Code: 0089019-AN-GWABWQ
Street Address: 1201 Lake Robbins Drive
Phone: 352-318-4034
Client Purchase Order #: 4501306727
City, State ZIP: The Woodlands, TX 77380
Email: Tanya.Cude@Absarokasolutions.com
Sampler(s) Name(s): PP
Project Manager: Tanya Cude
Attention: Erik Mickelson User ID: fv451

Table with columns: Field ID / Point of Collection, Date, Time, Sampled by, Matrix, # of bottles, and various chemical analysis codes (NONE, HCl, HNO3, H2SO4, DI Water, MECH, ENCORE, Na2S2O4, Other). Includes handwritten data for BW_Gildea_264754_Trip_Blank.

Turnaround Time (Business days)
Data Deliverable Information
Comments / Special Instructions
Please also send reports to Joel.Mason@Absarokasolutions.com and Jordan.Fleming@Absarokasolutions.com

Sample Custody must be documented below each time samples change possession, including courier delivery.
Relinquished by Sampler 1, 2, 3, 4
Date/Time: 7/20/23 18:00
Received By: [Signatures]
Cooler Temp: 2.9
Therm. ID: [Signature]

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SGS Sample Receipt Summary

Job Number: DA57147

Client: ABSAROKA

Project: GWA

Date / Time Received: 7/21/2023 10:45:00 AM

Delivery Method: CO

Airbill #s: _____

Cooler Temps (Initial/Adjusted): #1: (2.9/2.9):

Cooler Security

Y or N

- 1. Custody Seals Present:
- 2. Custody Seals Intact:

- Y or N
- 3. COC Present:
 - 4. Smpl Dates/Time OK:

Cooler Temperature

Y or N

- 1. Temp criteria achieved:
- 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:
- 2. Trip Blank listed on COC:
- 3. Samples preserved properly:
- 4. VOCs headspace free:

Comments

Sample Integrity - Documentation

Y or N

- 1. Sample labels present on bottles:
- 2. Container labeling complete:
- 3. Sample container label / COC agree:

Sample Integrity - Condition

Y or N

- 1. Sample recvd within HT:
- 2. All containers accounted for:
- 3. Condition of sample: Intact

Sample Integrity - Instructions

Y or N N/A

- 1. Analysis requested is clear:
- 2. Bottles received for unspecified tests:
- 3. Sufficient volume recvd for analysis:
- 4. Compositing instructions clear:
- 5. Filtering instructions clear:

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Problem Resolution

Page 2 of 2

Job Number: DA57147

CSR: _____

Response Date: _____

Response:

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DA57147: Chain of Custody
Page 3 of 3

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: DA57147
 Account: ANADACOD Kerr-McGee Oil & Gas Onshore LP
 Project: GWA_Land_Fed_10_29HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V3744-MB	5V75946.D	1	07/27/23	MB	n/a	n/a	V5V3744

The QC reported here applies to the following samples:

Method: SW846 8260B

DA57147-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.60	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	1.0	0.96	ug/l	
95-47-6	o-Xylene	ND	1.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	1.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Limits
1868-53-7	Dibromofluoromethane	106% 70-130%
17060-07-0	1,2-Dichloroethane-D4	103% 70-130%
2037-26-5	Toluene-D8	102% 70-130%
460-00-4	4-Bromofluorobenzene	108% 70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: DA57147
 Account: ANADACOD Kerr-McGee Oil & Gas Onshore LP
 Project: GWA_Land_Fed_10_29HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V3744-BS	5V75943.D	1	07/27/23	MB	n/a	n/a	V5V3744
V5V3744-BSD	5V75944.D	1	07/27/23	MB	n/a	n/a	V5V3744

The QC reported here applies to the following samples:

Method: SW846 8260B

DA57147-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	50	55.2	110	55.1	110	0	70-130/30
100-41-4	Ethylbenzene	50	54.1	108	54.5	109	1	70-130/30
108-88-3	Toluene	50	53.8	108	53.9	108	0	70-130/30
	m,p-Xylene	100	109	109	110	110	1	70-130/30
95-47-6	o-Xylene	50	54.3	109	53.6	107	1	70-130/30
1330-20-7	Xylene (total)	150	164	109	164	109	0	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	104%	99%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	99%	70-130%
2037-26-5	Toluene-D8	99%	98%	70-130%
460-00-4	4-Bromofluorobenzene	101%	100%	70-130%

* = Outside of Control Limits.

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: DA57147
Account: ANADACOD Kerr-McGee Oil & Gas Onshore LP
Project: GWA_Land_Fed_10_29HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA2757-MB	GA61815.D	1	07/24/23	MB	n/a	n/a	GGA2757

The QC reported here applies to the following samples:

Method: SW846 8015D

DA57147-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	0.050	0.040	mg/l	

CAS No.	Surrogate Recoveries	Limits
120-82-1	1,2,4-Trichlorobenzene	103% 60-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: DA57147
 Account: ANADACOD Kerr-McGee Oil & Gas Onshore LP
 Project: GWA_Land_Fed_10_29HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA2757-BS	GA61812.D	1	07/24/23	MB	n/a	n/a	GGA2757
GGA2757-BSD	GA61813.D	1	07/24/23	MB	n/a	n/a	GGA2757

The QC reported here applies to the following samples:

Method: SW846 8015D

DA57147-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	2.2	1.48	67	1.46	66	1	64-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
120-82-1	1,2,4-Trichlorobenzene	109%	109%	60-140%

* = Outside of Control Limits.

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