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Automated Report

Technical Report for

Kerr-McGee Oil & Gas Onshore LP

GWA_Lizzy_8_36HZ

FID:753511 Reg:615 Freq.:IN

SGS Job Number: DA59582

Sampling Date: 10/24/23

Report to:

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Total number of pages in report: 17



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

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Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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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: DA59582

GWA_Lizzy_8_36HZ

Project No: FID:753511 Reg:615 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

DA59582-1	10/24/23	13:44 MH	10/25/23	AQ	Trip Blank Water	BW_TRIPLE_292490_TRIP_BLANK
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CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Kerr-McGee Oil & Gas Onshore LP

Job No: DA59582

Site: GWA_Lizzy_8_36HZ

Report Date 11/2/2023 9:06:38 AM

On 10/25/2023, 0 sample(s), 1 Trip Blank(s), and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 4 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of DA59582 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: V5V3830
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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: GGA2796
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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: DA59582
Account: Kerr-McGee Oil & Gas Onshore LP
Project: GWA_Lizzy_8_36HZ
Collected: 10/24/23



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA59582-1 BW_TRIPLE_292490_TRIP_BLANK

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: BW_TRIPLE_292490_TRIP_BLANK	Date Sampled: 10/24/23
Lab Sample ID: DA59582-1	Date Received: 10/25/23
Matrix: AQ - Trip Blank Water	Percent Solids: n/a
Method: SW846 8260B	
Project: GWA_Lizzy_8_36HZ	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V77887.D	1	10/26/23 15:59	MB	n/a	n/a	V5V3830
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	0.0010	0.00060	mg/l	
108-88-3	Toluene	ND	0.0010	0.00050	mg/l	
100-41-4	Ethylbenzene	ND	0.0010	0.00060	mg/l	
1330-20-7	Xylene (total)	ND	0.0010	0.0010	mg/l	
	m,p-Xylene	ND	0.0010	0.00096	mg/l	
95-47-6	o-Xylene	ND	0.0010	0.00060	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
17060-07-0	1,2-Dichloroethane-D4	96%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	102%		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_TRIPLE_292490_TRIP_BLANK	Date Sampled: 10/24/23
Lab Sample ID: DA59582-1	Date Received: 10/25/23
Matrix: AQ - Trip Blank Water	Percent Solids: n/a
Method: SW846 8015D	
Project: GWA_Lizzy_8_36HZ	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA62899.D	1	10/27/23 19:49	MB	n/a	n/a	GGA2796
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	90%		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.acctest.com

Bottle Order Control #
FED-EX Tracking #
SGS Quote #
SGS Job # DA59582

Client / Reporting Information
Project Information
Requested Analysis (see TEST CODE sheet)
Matrix Codes
Collection table with columns for Field ID, Date, Time, Matrix, # of bottles, and various chemical analysis parameters.

Turnaround Time (Business days)
Data Deliverable Information
Comments / Special Instructions
Sample Custody must be documented below each time samples change possession, including courier delivery.
Ratified by Sampler, Date/Time, Received By, Date/Time, Ratified By, Date/Time, Received By, Date/Time.

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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: DA59582
 Account: ANADACOD Kerr-McGee Oil & Gas Onshore LP
 Project: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V3830-MB	5V77878.D	1	10/26/23	MB	n/a	n/a	V5V3830

The QC reported here applies to the following samples:

Method: SW846 8260B

DA59582-1

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	101% 70-130%
17060-07-0	1,2-Dichloroethane-D4	98% 70-130%
2037-26-5	Toluene-D8	99% 70-130%
460-00-4	4-Bromofluorobenzene	101% 70-130%

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Blank Spike/Blank Spike Duplicate Summary

Job Number: DA59582
 Account: ANADACOD Kerr-McGee Oil & Gas Onshore LP
 Project: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V3830-BS	5V77874.D	1	10/26/23	MB	n/a	n/a	V5V3830
V5V3830-BSD	5V77875.D	1	10/26/23	MB	n/a	n/a	V5V3830

The QC reported here applies to the following samples:

Method: SW846 8260B

DA59582-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	50	49.5	99	48.9	98	1	70-130/30
100-41-4	Ethylbenzene	50	49.6	99	50.2	100	1	70-130/30
108-88-3	Toluene	50	49.0	98	49.1	98	0	70-130/30
	m,p-Xylene	100	103	103	103	103	0	70-130/30
95-47-6	o-Xylene	50	49.9	100	49.5	99	1	70-130/30
1330-20-7	Xylene (total)	150	152	101	153	102	1	70-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	102%	98%	70-130%
17060-07-0	1,2-Dichloroethane-D4	97%	96%	70-130%
2037-26-5	Toluene-D8	97%	98%	70-130%
460-00-4	4-Bromofluorobenzene	99%	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: DA59582
Account: ANADACOD Kerr-McGee Oil & Gas Onshore LP
Project: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA2796-MB	GA62893.D	1	10/27/23	MB	n/a	n/a	GGA2796

The QC reported here applies to the following samples:

Method: SW846 8015D

DA59582-1

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	92% 60-140%

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Blank Spike/Blank Spike Duplicate Summary

Job Number: DA59582
 Account: ANADACOD Kerr-McGee Oil & Gas Onshore LP
 Project: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA2796-BS	GA62890.D	1	10/27/23	MB	n/a	n/a	GGA2796
GGA2796-BSD	GA62891.D	1	10/27/23	MB	n/a	n/a	GGA2796

The QC reported here applies to the following samples:

Method: SW846 8015D

DA59582-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	2.2	1.92	87	1.90	86	1	64-130/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
120-82-1	1,2,4-Trichlorobenzene	100%	102%	60-140%

* = Outside of Control Limits.

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