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Automated Report

Technical Report for

Occidental Petroleum Corporation

Kerr-McGee:GWA_Fern_Pad

FID. 705753 - Reg. VOL - Feq. IN

SGS Job Number: DA71906

Sampling Date: 04/21/25

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ATTN: Distribution6

Total number of pages in report: 19



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.

A handwritten signature in black ink, appearing to read "Eric Hoffman".

Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

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

Occidental Petroleum Corporation

Job No: DA71906

Kerr-McGee:GWA_Fern_Pad

Project No: FID. 705753 - Reg. VOL - Feq. 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

DA71906-1	04/21/25	10:31 AI	04/22/25	AQ	Trip Blank Water	BW_BRUGGER_203928_TRIP_BLANK
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CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Occidental Petroleum Corporation

Job No: DA71906

Site: Kerr-McGee:GWA_Fern_Pad

Report Date 4/28/2025 8:18:18 AM

On 04/22/2025, 0 sample(s), 1 Trip Blank(s), 0 Equip. Blanks and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 3.3 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of DA71906 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: V5V4353
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- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA71861-1MS, DA71861-1MSD were used as the QC samples indicated.

GC Volatiles By Method SW846 8015C

Matrix: AQ	Batch ID: GGA3035
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- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA71791-12MS, DA71791-12MSD were used as the QC samples indicated.

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: DA71906
Account: Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad
Collected: 04/21/25



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA71906-1 BW_BRUGGER_203928_TRIP_BLANK

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: BW_BRUGGER_203928_TRIP_BLANK	Date Sampled: 04/21/25
Lab Sample ID: DA71906-1	Date Received: 04/22/25
Matrix: AQ - Trip Blank Water	Percent Solids: n/a
Method: SW846 8260B	
Project: Kerr-McGee:GWA_Fern_Pad	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V89754.D	1	04/24/25 17:51	MB	n/a	n/a	V5V4353
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	97%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	100%		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_BRUGGER_203928_TRIP_BLANK Lab Sample ID: DA71906-1 Matrix: AQ - Trip Blank Water Method: SW846 8015C Project: Kerr-McGee:GWA_Fern_Pad	Date Sampled: 04/21/25 Date Received: 04/22/25 Percent Solids: n/a
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Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA69574.D	1	04/23/25 18:18	MB	n/a	n/a	GGA3035
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	101%		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

SGS Sample Receipt Summary

Job Number: da71906

Client: ABSAROKA

Project: GWA

Date / Time Received: 4/22/2025 12:50:00 PM

Delivery Method: co

Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (3.3);

Cooler Temps (Corrected) °C: Cooler 1: (3.3);

Cooler Informatio

Y or N

- 1. Custody Seals Present:
- 2. Custody Seals Intact:
- 3. Temp criteria achieved:
- 4. Cooler temp verification: IR Gun
- 5. Cooler media: Ice (Bag)

Trip Blank Information

Y or N N/A

- 1. Trip Blank present / cooler:
- 2. Trip Blank listed on COC:

W or S N/A

- 3. Type of TB Received

Sample Information

Y or N N/A

- 1. Sample labels present on bottles:
- 2. Samples presented properly
- 3. Sufficient volume/containers recv'd for analysi
- 4. Condition of sample: Intact
- 5. Sample recv'd within HT
- 6. Dates/Times/IDs on COC match sample labe
- 7. VOCs have headspace
- 8. Bottles received for unspecified tests
- 9. Compositing instructions clear
- 10. Voa Soil Kits/Jars received past 48hrs?
- 11. % Solids Jar Received?
- 12. Residual Chlorine Present?

Misc Information

Number of Encores: 25 Gram 5 Gram Number of Lab Filtered Metals
 Test Strip Lot #: pH 0-3: _____ pH 10-12: _____ Other: (Specify) _____
 Residual Chlorine Test Strip Lot _____

Comments

SM001

Rev. Date 05/04/17

Technician: JEREMYD

Date: 4/22/2025 1:19:43 PM

Reviewer: _____

Date: _____

DA71906: Chain of Custody

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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: DA71906
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4353-MB	5V89741.D	1	04/24/25	MB	n/a	n/a	V5V4353

The QC reported here applies to the following samples:

Method: SW846 8260B

DA71906-1

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	102% 70-130%
17060-07-0	1,2-Dichloroethane-D4	99% 70-130%
2037-26-5	Toluene-D8	97% 70-130%
460-00-4	4-Bromofluorobenzene	103% 70-130%

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Blank Spike Summary

Job Number: DA71906
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4353-BS	5V89739.D	1	04/24/25	MB	n/a	n/a	V5V4353

The QC reported here applies to the following samples:

Method: SW846 8260B

DA71906-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	55.9	112	70-130
100-41-4	Ethylbenzene	50	53.9	108	70-130
108-88-3	Toluene	50	53.9	108	70-130
	m,p-Xylene	100	107	107	70-130
95-47-6	o-Xylene	50	53.4	107	70-130
1330-20-7	Xylene (total)	150	160	107	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	70-130%
17060-07-0	1,2-Dichloroethane-D4	97%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA71906
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA71861-1MS	5V89743.D	5	04/24/25	MB	n/a	n/a	V5V4353
DA71861-1MSD	5V89744.D	5	04/24/25	MB	n/a	n/a	V5V4353
DA71861-1	5V89742.D	5	04/24/25	MB	n/a	n/a	V5V4353

The QC reported here applies to the following samples:

Method: SW846 8260B

DA71906-1

CAS No.	Compound	DA71861-1 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	250	271	108	250	269	108	1	70-130/30
100-41-4	Ethylbenzene	ND	250	264	106	250	260	104	2	70-130/30
108-88-3	Toluene	ND	250	267	107	250	261	104	2	70-130/30
	m,p-Xylene	ND	500	523	105	500	514	103	2	70-130/30
95-47-6	o-Xylene	ND	250	261	104	250	257	103	2	70-130/30
1330-20-7	Xylene (total)	ND	750	784	105	750	771	103	2	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA71861-1	Limits
1868-53-7	Dibromofluoromethane	101%	102%	102%	70-130%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	99%	70-130%
2037-26-5	Toluene-D8	97%	98%	99%	70-130%
460-00-4	4-Bromofluorobenzene	101%	101%	101%	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: DA71906
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA3035-MB	GA69565.D	1	04/23/25	MB	n/a	n/a	GGA3035

The QC reported here applies to the following samples:

Method: SW846 8015C

DA71906-1

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	102% 60-140%

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Blank Spike Summary

Job Number: DA71906
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA3035-BS	GA69563.D	1	04/23/25	MB	n/a	n/a	GGA3035

The QC reported here applies to the following samples:

Method: SW846 8015C

DA71906-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	2.2	1.72	78	64-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	79%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA71906
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA71791-12MS	GA69567.D	5	04/23/25	MB	n/a	n/a	GGA3035
DA71791-12MSD	GA69568.D	5	04/23/25	MB	n/a	n/a	GGA3035
DA71791-12	GA69566.D	5	04/23/25	MB	n/a	n/a	GGA3035

The QC reported here applies to the following samples:

Method: SW846 8015C

DA71906-1

CAS No.	Compound	DA71791-12 Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	5.12	11	14.2	83	11	14.3	83	1 56-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA71791-12 Limits
120-82-1	1,2,4-Trichlorobenzene	107%	106%	105% 60-140%

* = Outside of Control Limits.

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