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

e-Hardcopy 2.0
Automated Report

Technical Report for

Occidental Petroleum Corporation

Kerr-McGee:GWA_Fern_Pad

FID. 753868 Reg. VOL - Frq. SP

SGS Job Number: DA72963

Sampling Date: 06/10/25

Report to:

tanya.cude@absarokasolutions.com
joel.mason@absarokasolutions.com
jordan.fleming@absarokasolutions.com

ATTN: Distribution6

Total number of pages in report: 45

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), 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)

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

Sample Summary

Occidental Petroleum Corporation

Job No: DA72963

Kerr-McGee:GWA_Fern_Pad
Project No: FID. 753868 Reg. VOL - Frq. SP

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
DA72963-1	06/10/25	11:12	AI	06/11/25	AQ	Ground Water	BW_BEARSON_158040 SWSW_18_2N_66W
DA72963-1A	06/10/25	11:12	AI	06/11/25	AQ	Ground Water	BW_BEARSON_158040 SWSW_18_2N_66W
DA72963-1B	06/10/25	11:12	AI	06/11/25	AQ	Ground Water	BW_BEARSON_158040 SWSW_18_2N_66W
DA72963-1F	06/10/25	11:12	AI	06/11/25	AQ	Groundwater Filtered	BW_BEARSON_158040 SWSW_18_2N_66W

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Occidental Petroleum Corporation	**Job No:**	DA72963
Site:	Kerr-McGee:GWA_Fern_Pad	**Report Date**	8/1/2025 9:42:14 AM

On 06/11/2025, 1 sample(s), 0 Trip Blank(s), 0 Equip. Blanks and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 2.6 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of DA72963 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:** V6V2939

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72778-46MS, DA72778-46MSD were used as the QC samples indicated.

GC Volatiles By Method RSK175 MOD

Matrix: AQ **Batch ID:** GFK427

- All samples were analyzed within the recommended method holding time.
- Sample(s) DA72963-1AMS, DA72963-1AMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- DA72963-1A: Sample analyzed with headspace. The pH of the sample was >2 at time of analysis. Bottles marked as preserved.

GC Volatiles By Method SW846 8015C

Matrix: AQ **Batch ID:** GGA3052

- All samples were analyzed within the recommended method holding time.
- Sample(s) DA73164-4MS, DA73164-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

GC/LC Semi-volatiles By Method SW846 8015C

Matrix: AQ **Batch ID:** OP27871

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA73164-7MS, DA73164-7MSD were used as the QC samples indicated.

Metals Analysis By Method EPA 200.8

Matrix: AQ **Batch ID:** MP41865

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA73084-6AMS, DA73084-6AMSD were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Calcium, Sodium, Strontium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

General Chemistry By Method EPA 300.0

Matrix: AQ **Batch ID:** GP38777

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72773-4MS, DA72773-4MSD were used as the QC samples for the Bromide, Chloride, Fluoride, Nitrogen, Nitrate, Nitrogen, Nitrite, Bromide, Sulfate analysis.
- The matrix spike (MS) recovery(s) of Sulfate are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- DA72963-1 for Chloride: Elevated detection limit due to matrix interference.
- DA72963-1 for Nitrogen, Nitrate: Elevated detection limit due to matrix interference.

Matrix: AQ **Batch ID:** R67483

- The data for EPA 300.0 meets quality control requirements.
- DA72963-1 for Nitrogen, Nitrate + Nitrite: Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

General Chemistry By Method EPA 365.1

Matrix: AQ **Batch ID:** GP38800

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72267-1DUP, DA72267-1MS were used as the QC samples for the Phosphorus, Total analysis.
- The matrix spike (MS) recovery(s) of Phosphorus, Total are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

General Chemistry By Method HACH IRB-BART-NOCERT

Matrix: AQ **Batch ID:** MB1854

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72507-1BDUP were used as the QC samples for the Iron-Related Bacteria analysis.
- DA72963-1B for Iron-Related Bacteria: Certification for this test is not offered.
- MB1854-MB for Iron-Related Bacteria: Certification for this test is not offered.

General Chemistry By Method HC SLYM-BART-NO CERT

Matrix: AQ **Batch ID:** MB1853

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72507-1BDUP were used as the QC samples for the Slime Forming Bacteria analysis.
- DA72963-1B for Slime Forming Bacteria: Certification for this test is not offered.
- MB1853-MB for Slime Forming Bacteria: Certification for this test is not offered.

General Chemistry By Method HC SRB-BART-NO CERT

Matrix: AQ **Batch ID:** MB1852

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72507-1BDUP were used as the QC samples for the Sulfate Reducing Bacteria analysis.
- MB1852-MB for Sulfate Reducing Bacteria: Certification for this test is not offered.
- DA72963-1B for Sulfate Reducing Bacteria: Certification for this test is not offered.

General Chemistry By Method SM 2320B-2011

Matrix: AQ **Batch ID:** GN67344

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** GN67345

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** GN67346

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

General Chemistry By Method SM 2510B-2011

Matrix: AQ **Batch ID:** GP38841

- Sample(s) DA73001-9DUP were used as the QC samples for the Specific Conductivity analysis.

General Chemistry By Method SM 2540C-2020 & 2011

Matrix: AQ **Batch ID:** GN67350

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72963-1DUP were used as the QC samples for the Solids, Total Dissolved analysis.

General Chemistry By Method SM1030E-2011

Matrix: AQ **Batch ID:** GN68196

- The data for SM1030E-2011 meets quality control requirements.

General Chemistry By Method SM4500HB+-2011/9040C

Matrix:	AQ	Batch ID:	GN67485

- The data for SM4500HB+-2011/9040C meets quality control requirements.
- The following samples were run outside of holding time for method SM4500HB+-2011/9040C: DA72963-1 Field parameter analyzed by the laboratory upon request. Analysis performed past the required 15 minutes from collection time/holding time.

Field Data By Method FIELD

Matrix:	AQ	Batch ID:	R67338

- The data for FIELD meets quality control requirements.

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: DA72963
Account: Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad
Collected: 06/10/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA72963-1	**BW_BEARSON_158040 SWSW_18_2N_66W**					
Fluoride		1.7	0.20		mg/l	EPA 300.0
Nitrogen, Nitrite		0.29	0.0080		mg/l	EPA 300.0
Bromide		0.54	0.10		mg/l	EPA 300.0
Sulfate		20.5	1.0		mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite [a]		0.29	0.028		mg/l	EPA 300.0
Alkalinity, Bicarbonate as CaCO3		458	5.0		mg/l	SM 2320B-2011
Alkalinity, Carbonate		27.6	5.0		mg/l	SM 2320B-2011
Alkalinity, Total as CaCO3		486	5.0		mg/l	SM 2320B-2011
Cation Anion Balance		2.3			%	SM1030E-2011
Phosphorus, Total		0.20	0.010		mg/l	EPA 365.1
Solids, Total Dissolved		577	10		mg/l	SM 2540C-2020 & 2011
Specific Conductivity		877	1.0		umhos/cm	SM 2510B-2011
pH [b]		8.72			su	SM4500HB+-2011/9040C
Specific Conductivity (Field)		953.7	0.50		umhos/cm	FIELD
pH (Field)		8.85			su	FIELD
Temperature (Field)		16.7			Deg. C	FIELD
Oxygen, Dissolved (Field)		0.08			mg/l	FIELD
Turbidity		0.02			NTU	FIELD
DA72963-1A	**BW_BEARSON_158040 SWSW_18_2N_66W**					
Methane [c]		6.16	0.0080	0.0070	mg/l	RSK175 MOD
Ethane [c]		0.0144	0.0016	0.0010	mg/l	RSK175 MOD
DA72963-1B	**BW_BEARSON_158040 SWSW_18_2N_66W**					
Iron-Related Bacteria [d]		150	25		CFU/ml	HACH IRB-BART-NOCERT
Slime Forming Bacteria [d]		< 500	500		CFU/ml	HC SLYM-BART-NO CERT
Sulfate Reducing Bacteria [d]		1400	200		CFU/ml	HC SRB-BART-NO CERT
DA72963-1F	**BW_BEARSON_158040 SWSW_18_2N_66W**					
Barium		0.0485	0.0020		mg/l	EPA 200.8
Calcium		1.75	0.40		mg/l	EPA 200.8
Iron		0.0783	0.020		mg/l	EPA 200.8
Magnesium		0.382	0.10		mg/l	EPA 200.8
Manganese		0.0088	0.0010		mg/l	EPA 200.8
Potassium		1.06	0.20		mg/l	EPA 200.8
Sodium		245	10		mg/l	EPA 200.8
Strontium		0.0586	0.020		mg/l	EPA 200.8

(a) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)
(b) Field parameter analyzed by the laboratory upon request. Analysis performed past the required 15 minutes from

Summary of Hits

Job Number: DA72963
Account: Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad
Collected: 06/10/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

collection time/holding time.
(c) Sample analyzed with headspace. The pH of the sample was > 2 at time of analysis. Bottles marked as preserved.
(d) Certification for this test is not offered.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	BW_BEARSON_158040 SWSW_18_2N_66W		
Lab Sample ID:	DA72963-1	**Date Sampled:**	06/10/25
Matrix:	AQ - Ground Water	**Date Received:**	06/11/25
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Kerr-McGee:GWA_Fern_Pad		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V61351.D	1	06/17/25 16:07	MB	n/a	n/a	V6V2939
Run #2							

	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	0.50	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	103%		70-130%
17060-07-0	1,2-Dichloroethane-D4	106%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	91%		70-130%

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

Report of Analysis

Client Sample ID:	BW_BEARSON_158040 SWSW_18_2N_66W		
Lab Sample ID:	DA72963-1	**Date Sampled:**	06/10/25
Matrix:	AQ - Ground Water	**Date Received:**	06/11/25
Method:	SW846 8015C	**Percent Solids:**	n/a
Project:	Kerr-McGee:GWA_Fern_Pad		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA70047.D	1	06/24/25 02:34	MB	n/a	n/a	GGA3052
Run #2							

	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	93%		60-140%

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

Report of Analysis

Client Sample ID:	BW_BEARSON_158040 SWSW_18_2N_66W		
Lab Sample ID:	DA72963-1	**Date Sampled:**	06/10/25
Matrix:	AQ - Ground Water	**Date Received:**	06/11/25
Method:	SW846 8015C SW846 3511	**Percent Solids:**	n/a
Project:	Kerr-McGee:GWA_Fern_Pad		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW43864.D	1	06/17/25 18:14	JB	06/16/25 10:00	OP27871	GLW1019
Run #2							

	Initial Volume	Final Volume
Run #1	57.1 ml	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.18	0.12	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		44-134%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	BW_BEARSON_158040 SWSW_18_2N_66W		
Lab Sample ID:	DA72963-1	**Date Sampled:**	06/10/25
Matrix:	AQ - Ground Water	**Date Received:**	06/11/25
		Percent Solids:	n/a
Project:	Kerr-McGee:GWA_Fern_Pad		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.7	0.20	mg/l	2	06/11/25 20:57	JB	EPA 300.0
Chloride [a]	< 5.0	5.0	mg/l	10	06/11/25 20:48	JB	EPA 300.0
Nitrogen, Nitrite	0.29	0.0080	mg/l	2	06/11/25 20:57	JB	EPA 300.0
Bromide	0.54	0.10	mg/l	2	06/11/25 20:57	JB	EPA 300.0
Nitrogen, Nitrate [a]	< 0.020	0.020	mg/l	2	06/11/25 20:57	JB	EPA 300.0
Sulfate	20.5	1.0	mg/l	2	06/11/25 20:57	JB	EPA 300.0
300.0 NO2 + NO3O							
Nitrogen, Nitrate + Nitrite [b]	0.29	0.028	mg/l	1	06/11/25 20:57	JB	EPA 300.0
Alkalinity, Bicarbonate as CaC	458	5.0	mg/l	1	06/13/25 09:05	JW	SM 2320B-2011
Alkalinity, Carbonate	27.6	5.0	mg/l	1	06/13/25 09:05	JW	SM 2320B-2011
Alkalinity, Total as CaCO3	486	5.0	mg/l	1	06/13/25 09:05	JW	SM 2320B-2011
Cation Anion Balance	2.3		%	1	07/31/25	EH	SM1030E-2011
Phosphorus, Total	0.20	0.010	mg/l	1	06/18/25 13:58	TH	EPA 365.1
Solids, Total Dissolved	577	10	mg/l	1	06/11/25 07:00	JW	SM 2540C-2020 & 2011
Specific Conductivity	877	1.0	umhos/cm	1	06/20/25 12:00	TMP	SM 2510B-2011
pH [c]	8.72		su	1	06/20/25	JB	SM4500HB+-2011/9040C

Field Parameters

Oxygen, Dissolved (Field)	0.08		mg/l	1	06/10/25 11:12	SUB	FIELD
Redox Potential Vs H2	-207.8		mv	1	06/10/25 11:12	SUB	FIELD
Specific Conductivity (Field)	953.7	0.50	umhos/cm	1	06/10/25 11:12	SUB	FIELD
Temperature (Field)	16.7		Deg. C	1	06/10/25 11:12	SUB	FIELD
Turbidity	0.02		NTU	1	06/10/25 11:12	SUB	FIELD
pH (Field)	8.85		su	1	06/10/25 11:12	SUB	FIELD

(a) Elevated detection limit due to matrix interference.
(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)
(c) Field parameter analyzed by the laboratory upon request. Analysis performed past the required 15 minutes from collection time/holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BW_BEARSON_158040 SWSW_18_2N_66W		
Lab Sample ID:	DA72963-1A	**Date Sampled:**	06/10/25
Matrix:	AQ - Ground Water	**Date Received:**	06/11/25
Method:	RSK175 MOD	**Percent Solids:**	n/a
Project:	Kerr-McGee:GWA_Fern_Pad		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	FK55976.D	1	06/16/25 14:03	MB	n/a	n/a	GFK427
Run #2 [a]	FK55977.D	10	06/16/25 14:09	MB	n/a	n/a	GFK427

	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	39.0 ml	4.0 ml	500 ul	20.8 Deg. C
Run #2	39.0 ml	4.0 ml	500 ul	20.8 Deg. C

Methane, Ethane and Propane

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	6.16 [b]	0.0080	0.0070	mg/l	
74-84-0	Ethane	0.0144	0.0016	0.0010	mg/l	
74-98-6	Propane	ND	0.0022	0.0017	mg/l	

(a) Sample analyzed with headspace. The pH of the sample was > 2 at time of analysis. Bottles marked as preserved.
(b) Result is from Run# 2

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

Report of Analysis

Client Sample ID:	BW_BEARSON_158040 SWSW_18_2N_66W		
Lab Sample ID:	DA72963-1B	**Date Sampled:**	06/10/25
Matrix:	AQ - Ground Water	**Date Received:**	06/11/25
		Percent Solids:	n/a
Project:	Kerr-McGee:GWA_Fern_Pad		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Not certifiable							
Iron-Related Bacteria [a]	150	25	CFU/ml	1	06/20/25 12:00	JW	HACH IRB-BART-NOCERT
Slime Forming Bacteria [a]	< 500	500	CFU/ml	1	06/20/25 12:00	JW	HC SLYM-BART-NO CERT
Sulfate Reducing Bacteria [a]	1400	200	CFU/ml	1	06/20/25 11:00	JW	HC SRB-BART-NO CERT

(a) Certification for this test is not offered.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BW_BEARSON_158040 SWSW_18_2N_66W		
Lab Sample ID:	DA72963-1F	**Date Sampled:**	06/10/25
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/11/25
		Percent Solids:	n/a
Project:	Kerr-McGee:GWA_Fern_Pad		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Barium	0.0485	0.0020	mg/l	1	07/09/25	07/17/25	CDL	EPA 200.8 [1]	EPA 200.8 [3]
Boron	< 0.80	0.80	mg/l	20	07/09/25	07/18/25	CDL	EPA 200.8 [2]	EPA 200.8 [3]
Calcium	1.75	0.40	mg/l	1	07/09/25	07/17/25	CDL	EPA 200.8 [1]	EPA 200.8 [3]
Iron	0.0783	0.020	mg/l	1	07/09/25	07/17/25	CDL	EPA 200.8 [1]	EPA 200.8 [3]
Magnesium	0.382	0.10	mg/l	1	07/09/25	07/17/25	CDL	EPA 200.8 [1]	EPA 200.8 [3]
Manganese	0.0088	0.0010	mg/l	1	07/09/25	07/17/25	CDL	EPA 200.8 [1]	EPA 200.8 [3]
Potassium	1.06	0.20	mg/l	1	07/09/25	07/17/25	CDL	EPA 200.8 [1]	EPA 200.8 [3]
Selenium	< 0.00040	0.00040	mg/l	1	07/09/25	07/17/25	CDL	EPA 200.8 [1]	EPA 200.8 [3]
Sodium	245	10	mg/l	20	07/09/25	07/18/25	CDL	EPA 200.8 [2]	EPA 200.8 [3]
Strontium	0.0586	0.020	mg/l	1	07/09/25	07/17/25	CDL	EPA 200.8 [1]	EPA 200.8 [3]

(1) Instrument QC Batch: MA19363
(2) Instrument QC Batch: MA19370
(3) Prep QC Batch: MP41865

RL = Reporting Limit

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 #:
SGS Quote #:
FED-EX Tracking #:
SGS Job #: DA72963

Client / Reporting Information

Company: Kerr-McGee Oil and Gas Onshore LP
Street: 1099 18th Street
City, State: Denver, CO 80202
Project Contact: Joel Mason
Phone: 307-262-8975
Email: Joel.Mason@Absarokasolutions.com
Sampler(s) Name(s): Al

Project Information

Project Name: GWA_Fern_Pad
Frequency: SP
Regulation: Voluntary
Facility ID: 753868
EQuIS Facility Code: 0089019-AN-GWABWQ
Client Purchase Order #: 4502533376
Project Manager: Joel Mason

Billing Information (if different from Report to)

Company: Occidental Petroleum Corporation (OXY)
Street Address: 1201 Lake Robbins Drive
City, State ZIP: The Woodlands, TX 77380
Attention: Erik Mickelson User ID: fvv451

Requested Analysis (see TEST CODE sheet)

Field ID / Point of Collection	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MEOH	ENCORE	Na2S2O4	Other	PH, SCON, TDS	XCARBICALK	BRO, CHL, F, NO2, XNO3O, NO32, SO4	TPO4	Dissolved Metals - Lab Filtered*	VRSK175DGMEP (5 day RUSH)	V8260BTX	B8015DRO	V8015GRO	IRBAC, SFBAC, SO4RBAC	CABAL	LAB USE ONLY
BW_Bearson_158040	6/10/2025	11:12	Al	GW	18	10	6			1					1	X	X	X	X	X	X	X	X	X	X	X	C1
SWSW_18_2N_66W																											
Temperature, field	14.7	°C																									
pH, field	8.85	s.u.																									
Specific Conductivity, field	953.7	uS/cm																									
Oxidation Reduction Potential, field	-207.8	mV																									
Dissolved Oxygen, field	0.08	mg/L																									
Turbidity, field	0.02	NTU																									

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

- [x] Std. 10 Business Days
- [x] 5 Day RUSH (RSK only)
- [ ] 3 Day Emergency
- [ ] 2 Day Emergency
- [ ] 1 Day Emergency

Emergency & Rush T/A data available VIA LabLink. RUSH TAT approval needed.

Special Reporting Instructions

- [ ] Report in PPB
- [ ] Report in PPM
- [ ] Report MDLs

Data Deliverable Information

- [ ] Commercial "A" (Level 1, Results Only)
- [ ] Commercial "B" (Level 2, Results + QC Summary)
- [ ] COMMBN (Results/QC/Narrative)
- [ ] COMMBN+ [Results/QC/Narrative (+ chromatograms)]
- [ ] REDT2
- [ ] FULT1
- [x] EDD Format: COGCC Compatible

Comments / Special Instructions

*Dissolved Metals (200.7/200.8): BaMS, B, Ca, Fe,Mg, Mn, K, SeMS, Na, Sr

Please also send reports to Jordan.Fleming@absarokasolutions.com.

RUSH 5 DAY TAT FOR RSK.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date/Time:	Received By:	Relinquished By:	Date/Time:	Received By:
1 Ashley Clyde	6/10/25 18:00	1	2		2
Relinquished by Sampler:	Date/Time:	Received By:	Relinquished By:	Date/Time:	Received By:
3		3	4		4

Custody Seal # | Intact [x] | Not Intact [ ] | Absent [ ]
Preserved where applicable [x] | Cooler Temp. °C: 2.6 | Therm. ID: T030 | On Ice [x]

Form MSQA 064-01, RV 6/19/17
http://www.sgs.com/terms-and-conditions

5.1 5

DA72963: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: da72963 **Client:** ABSAROKA **Project:** GWA

Date / Time Received: 6/11/2025 12:45:00 PM **Delivery Method:** co **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.6);

Cooler Temps (Corrected) °C: Cooler 1: (2.6);

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. Suffiient 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 #s: pH 0-3: pH 10-12: Other: (Specify)

Residual Chlorine Test Strip Lot

Comments

SM001
Rev. Date 05/04/17

Technician: JEREMYD Date: 6/11/2025 12:49:03 PM Reviewer: Date:

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2939-MB	6V61344.D	1	06/17/25	MB	n/a	n/a	V6V2939

The QC reported here applies to the following samples: **Method:** SW846 8260B

DA72963-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	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	101%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	98%	70-130%

Blank Spike Summary

Job Number: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2939-BS	6V61342.D	1	06/17/25	MB	n/a	n/a	V6V2939

The QC reported here applies to the following samples: **Method:** SW846 8260B

DA72963-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	52.6	105	70-130
100-41-4	Ethylbenzene	50	53.3	107	70-130
108-88-3	Toluene	50	51.3	103	70-130
	m,p-Xylene	100	109	109	70-130
95-47-6	o-Xylene	50	54.6	109	70-130
1330-20-7	Xylene (total)	150	164	109	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	70-130%
17060-07-0	1,2-Dichloroethane-D4	97%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA72778-46MS	6V61345.D	1	06/17/25	MB	n/a	n/a	V6V2939
DA72778-46MSD	6V61346.D	1	06/17/25	MB	n/a	n/a	V6V2939
DA72778-46	6V61347.D	1	06/17/25	MB	n/a	n/a	V6V2939

The QC reported here applies to the following samples: **Method:** SW846 8260B

DA72963-1

CAS No.	Compound	DA72778-46 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50	51.2	102	50	49.8	100	3	70-130/30
100-41-4	Ethylbenzene	ND		50	51.9	104	50	50.7	101	2	70-130/30
108-88-3	Toluene	ND		50	50.8	102	50	50.0	100	2	70-130/30
	m,p-Xylene	ND		100	106	106	100	104	104	2	70-130/30
95-47-6	o-Xylene	ND		50	53.4	107	50	51.8	104	3	70-130/30
1330-20-7	Xylene (total)	ND		150	160	107	150	156	104	3	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72778-46	Limits
1868-53-7	Dibromofluoromethane	102%	99%	107%	70-130%
17060-07-0	1,2-Dichloroethane-D4	99%	98%	103%	70-130%
2037-26-5	Toluene-D8	101%	100%	99%	70-130%
460-00-4	4-Bromofluorobenzene	95%	95%	93%	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: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA3052-MB	GA70032.D	1	06/23/25	MB	n/a	n/a	GGA3052

The QC reported here applies to the following samples: **Method:** SW846 8015C

DA72963-1

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	95%	60-140%

Method Blank Summary

Job Number: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFK427-MB	FK55974.D	1	06/16/25	MB	n/a	n/a	GFK427

The QC reported here applies to the following samples: **Method:** RSK175 MOD

DA72963-1A

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	ND	0.00080	0.00070	mg/l	
74-84-0	Ethane	ND	0.0016	0.0010	mg/l	
74-98-6	Propane	ND	0.0022	0.0017	mg/l	

Blank Spike Summary

Job Number: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA3052-BS	GA70030.D	1	06/23/25	MB	n/a	n/a	GGA3052

The QC reported here applies to the following samples: **Method:** SW846 8015C

DA72963-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	2.2	2.24	102	64-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	98%	60-140%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFK427-BS	FK55975.D	10	06/16/25	MB	n/a	n/a	GFK427

The QC reported here applies to the following samples: **Method:** RSK175 MOD

DA72963-1A

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
74-82-8	Methane	0.51	0.576	113	70-135
74-84-0	Ethane	0.956	1.14	119	70-150
74-98-6	Propane	1.4	1.61	115	70-145

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA73164-4MS	GA70033.D	1	06/23/25	MB	n/a	n/a	GGA3052
DA73164-4MSD	GA70034.D	1	06/23/25	MB	n/a	n/a	GGA3052
DA73164-4	GA70035.D	1	06/23/25	MB	n/a	n/a	GGA3052

The QC reported here applies to the following samples: **Method:** SW846 8015C

DA72963-1

CAS No.	Compound	DA73164-4 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		2.2	2.36	107	2.2	2.37	108	0	56-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73164-4	Limits
120-82-1	1,2,4-Trichlorobenzene	99%	97%	98%	60-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA72963-1AMS [a]	FK55978.D	10	06/16/25	MB	n/a	n/a	GFK427
DA72963-1AMSD [a]	FK55979.D	10	06/16/25	MB	n/a	n/a	GFK427
DA72963-1A [a]	FK55976.D	1	06/16/25	MB	n/a	n/a	GFK427
DA72963-1A [a]	FK55977.D	10	06/16/25	MB	n/a	n/a	GFK427

The QC reported here applies to the following samples: **Method:** RSK175 MOD

DA72963-1A

CAS No.	Compound	DA72963-1A mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
74-82-8	Methane	6.16 [c]		0.51	6.86	180	0.51	6.96	200* [b]	1	20-183/30
74-84-0	Ethane	0.0144		0.956	1.06	109	0.956	1.08	111	2	50-140/30
74-98-6	Propane	ND		1.4	1.46	104	1.4	1.49	106	2	50-140/30

(a) Sample analyzed with headspace. The pH of the sample was > 2 at time of analysis. Bottles marked as preserved.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result is from Run #2.

* = Outside of Control Limits.

GC/LC Semi-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: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27871-MB	LW43853.D	1	06/17/25	JB	06/16/25	OP27871	GLW1019

The QC reported here applies to the following samples: **Method:** SW846 8015C

DA72963-1

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	0.18	0.13	mg/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	91%	44-134%

Blank Spike Summary

Job Number: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27871-BS	LW43854.D	1	06/17/25	JB	06/16/25	OP27871	GLW1019

The QC reported here applies to the following samples: **Method:** SW846 8015C

DA72963-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-DRO (C10-C28)	3.64	2.96	81	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	95%	44-134%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72963
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27871-MS	LW43855.D	1	06/17/25	JB	06/16/25	OP27871	GLW1019
OP27871-MSD	LW43856.D	1	06/17/25	JB	06/16/25	OP27871	GLW1019
DA73164-7	LW43857.D	1	06/17/25	JB	06/16/25	OP27871	GLW1019

The QC reported here applies to the following samples: **Method:** SW846 8015C

DA72963-1

CAS No.	Compound	DA73164-7 mg/l	Q	Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	0.176	J	3.48	3.19	87	3.48	3.09	84	3	50-150/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73164-7	Limits
84-15-1	o-Terphenyl	110%	103%	97%	44-134%

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72963
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

QC Batch ID: MP41865
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 07/09/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.1	10		
Antimony	0.40	.0027	.3		
Arsenic	0.20	.004	.05		
Barium	2.0	.081	.3	0.016	<2.0
Beryllium	0.20	.015	.1		
Boron	40	18	10	2.6	<40
Cadmium	0.10	.024	.05		
Calcium	400	.13	60	15.1	<400
Chromium	2.0	.038	.27		
Cobalt	0.20	.0016	.05		
Copper	2.0	.05	1.5		
Iron	20	.069	10	1.1	<20
Lead	0.50	.0078	.13		
Magnesium	100	.12	20	1.7	<100
Manganese	1.0	.0099	.51	0.055	<1.0
Molybdenum	1.0	.0029	.2		
Nickel	2.0	.029	.5		
Phosphorus	60	7.6	25		
Potassium	200	1.7	50	6.7	<200
Selenium	0.40	.0096	.1	0.018	<0.40
Silver	0.10	.001	.025		
Sodium	500	1.2	70	90.5	<500
Strontium	20	.0047	5	0.044	<20
Thallium	0.20	.0028	.05		
Tin	10	.027	2.5		
Titanium	2.0	.0065	.5		
Uranium	0.20	.001	.05		
Vanadium	1.0	.035	.2		
Zinc	10	.05	2		

Associated samples MP41865: DA72963-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72963
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

QC Batch ID: MP41865
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 07/09/25

Metal	DA73084-6A Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	83.5	522	400	109.6	70-130
Beryllium					
Boron					
Cadmium	anr				
Calcium	86100	97300	5000	224.0(a)	70-130
Chromium	anr				
Cobalt					
Copper	anr				
Iron	343	1480	1000	113.7	70-130
Lead	anr				
Magnesium	16100	22300	5000	124.0	70-130
Manganese	124	246	100	122.0	70-130
Molybdenum	anr				
Nickel	anr				
Phosphorus					
Potassium	7190	12600	5000	108.2	70-130
Selenium	1.2	188	200	93.4	70-130
Silver	anr				
Sodium	101000	118000	5000	340.0(a)	70-130
Strontium	876	1070	100	194.0(a)	70-130
Thallium	anr				
Tin					
Titanium					
Uranium	anr				
Vanadium					
Zinc	anr				

Associated samples MP41865: DA72963-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72963
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

QC Batch ID: MP41865
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 07/09/25

Metal	DA73084-6A Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	83.5	517	400	108.4	1.2	20
Beryllium						
Boron						
Cadmium	anr					
Calcium	86100	94800	5000	174.0(a)	2.6	20
Chromium	anr					
Cobalt						
Copper	anr					
Iron	343	1580	1000	123.7	2.6	20
Lead	anr					
Magnesium	16100	21900	5000	116.0	5.8	20
Manganese	124	242	100	118.0	0.0	20
Molybdenum	anr					
Nickel	anr					
Phosphorus						
Potassium	7190	12600	5000	108.2	0.0	20
Selenium	1.2	188	200	93.4	0.0	20
Silver	anr					
Sodium	101000	113000	5000	240.0(a)	4.3	20
Strontium	876	1040	100	164.0(a)	2.8	20
Thallium	anr					
Tin						
Titanium						
Uranium	anr					
Vanadium						
Zinc	anr					

Associated samples MP41865: DA72963-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72963
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

QC Batch ID: MP41865
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 07/09/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	428	400	107.0	85-115
Beryllium	anr			
Boron	229	200	114.6	85-115
Cadmium	anr			
Calcium	5040	5000	100.8	85-115
Chromium	anr			
Cobalt				
Copper	anr			
Iron	1010	1000	101.0	85-115
Lead	anr			
Magnesium	5040	5000	100.8	85-115
Manganese	104	100	104.0	85-115
Molybdenum	anr			
Nickel	anr			
Phosphorus				
Potassium	5070	5000	101.4	85-115
Selenium	190	200	95.0	85-115
Silver	anr			
Sodium	5140	5000	102.8	85-115
Strontium	103	100	103.0	85-115
Thallium	anr			
Tin				
Titanium				
Uranium	anr			
Vanadium				
Zinc	anr			

Associated samples MP41865: DA72963-1F

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

General Chemistry

QC Data Summaries

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72963
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Bicarbonate as CaC	GN67345	5.0	4.6	mg/l	100	107	107.4	90-110%
Alkalinity, Carbonate	GN67346	5.0	4.6	mg/l	100	107	107.4	90-110%
Alkalinity, Total as CaCO3	GN67344	5.0	4.6	mg/l	100	107	107.4	90-110%
Bromide	GP38777/GN67352	0.050	0.0	mg/l	0.5	0.519	103.8	90-110%
Chloride	GP38777/GN67352	0.50	0.0	mg/l	5	5.23	104.6	90-110%
Fluoride	GP38777/GN67352	0.10	0.0	mg/l	1	0.995	99.5	90-110%
Iron-Related Bacteria	MB1854	25	<25(a)	CFU/ml				
Nitrogen, Nitrate	GP38777/GN67352	0.010	0.0	mg/l	0.1	0.0935	93.5	90-110%
Nitrogen, Nitrite	GP38777/GN67352	0.0040	0.0	mg/l	0.05	0.0521	104.2	90-110%
Phosphorus, Total	GP38800/GN67428	0.010	0.0	mg/l	0.2	0.180	90.0	90-110%
Slime Forming Bacteria	MB1853	500	<500(a)	CFU/ml				
Solids, Total Dissolved	GN67350	10	0.0	mg/l	250	960	96.0	90-110%
Solids, Total Dissolved	GN67350	10	0.0	mg/l	250	960	96.0	90-110%
Specific Conductivity	GP38841/GN67526			umhos/cm	1409	1410	100.4	90-110%
Sulfate	GP38777/GN67352	0.50	0.0	mg/l	5	5.00	100.0	90-110%
Sulfate Reducing Bacteria	MB1852	200	<200(a)	CFU/ml				

Associated Samples:
Batch MB1852: DA72963-1B
Batch MB1853: DA72963-1B
Batch MB1854: DA72963-1B
Batch GN67344: DA72963-1
Batch GN67345: DA72963-1
Batch GN67346: DA72963-1
Batch GN67350: DA72963-1
Batch GP38777: DA72963-1
Batch GP38800: DA72963-1
Batch GP38841: DA72963-1
(*) Outside of QC limits
(a) Certification for this test is not offered.

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72963
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Iron-Related Bacteria	MB1854	DA72507-1B	CFU/ml	9000	9000(a)	0.0(a)	0-%
Phosphorus, Total	GP38800/GN67428	DA72267-1	mg/l	193	178	8.1	0-20%
Slime Forming Bacteria	MB1853	DA72507-1B	CFU/ml	<500	<500(a)	0.0(a)	0-%
Solids, Total Dissolved	GN67350	DA72963-1	mg/l	577	563	1.9	0-5.44%
Solids, Total Dissolved	GN67350	DA72963-1	mg/l	577	563	1.9	0-5.44%
Specific Conductivity	GP38841/GN67526	DA73001-9	umhos/cm	1770	1810	1.8	0-20%
Sulfate Reducing Bacteria	MB1852	DA72507-1B	CFU/ml	<200	<200(a)	0.0(a)	0-%

Associated Samples:
Batch MB1852: DA72963-1B
Batch MB1853: DA72963-1B
Batch MB1854: DA72963-1B
Batch GN67350: DA72963-1
Batch GP38800: DA72963-1
Batch GP38841: DA72963-1
(*) Outside of QC limits
(a) Certification for this test is not offered.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72963
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Bromide	GP38777/GN67352	DA72773-4	mg/l	0.0	50	52.1	104.2	80-120%
Bromide	GP38777/GN67352	DA72773-4	mg/l	0.0	50	52.1	104.2	80-120%
Chloride	GP38777/GN67352	DA72773-4	mg/l	71.3	500	588	103.3	80-120%
Fluoride	GP38777/GN67352	DA72773-4	mg/l	0.0	100	104	104.0	80-120%
Fluoride	GP38777/GN67352	DA72773-4	mg/l	0.0	100	104	104.0	80-120%
Nitrogen, Nitrate	GP38777/GN67352	DA72773-4	mg/l	16.2	10	25.4	92.0	80-120%
Nitrogen, Nitrate	GP38777/GN67352	DA72773-4	mg/l	16.2	10	25.4	92.0	80-120%
Nitrogen, Nitrite	GP38777/GN67352	DA72773-4	mg/l	0.0	5	4.9	98.0	80-120%
Nitrogen, Nitrite	GP38777/GN67352	DA72773-4	mg/l	0.0	5	4.9	98.0	80-120%
Phosphorus, Total	GP38800/GN67428	DA72267-1	mg/l	193	0.2	167	-13000.0(a)	90-110%
Sulfate	GP38777/GN67352	DA72773-4	mg/l	4460	500	4830	304.0(a)	80-120%
Sulfate	GP38777/GN67352	DA72773-4	mg/l	3310	500	4830	304.0(a)	80-120%

Associated Samples:
Batch GP38777: DA72963-1
Batch GP38800: DA72963-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72963
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee:GWA_Fern_Pad

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Bromide	GP38777/GN67352	DA72773-4	mg/l	0.0	50	51.4	1.4	20%
Bromide	GP38777/GN67352	DA72773-4	mg/l	0.0	50	51.4	1.4	20%
Chloride	GP38777/GN67352	DA72773-4	mg/l	71.3	500	582	1.0	20%
Fluoride	GP38777/GN67352	DA72773-4	mg/l	0.0	100	102	1.9	20%
Fluoride	GP38777/GN67352	DA72773-4	mg/l	0.0	100	102	1.9	20%
Nitrogen, Nitrate	GP38777/GN67352	DA72773-4	mg/l	16.2	10	25.3	0.4	20%
Nitrogen, Nitrate	GP38777/GN67352	DA72773-4	mg/l	16.2	10	25.3	0.4	20%
Nitrogen, Nitrite	GP38777/GN67352	DA72773-4	mg/l	0.0	5	4.8	2.1	20%
Nitrogen, Nitrite	GP38777/GN67352	DA72773-4	mg/l	0.0	5	4.8	2.1	20%
Sulfate	GP38777/GN67352	DA72773-4	mg/l	4460	500	4820	0.2	20%
Sulfate	GP38777/GN67352	DA72773-4	mg/l	3310	500	4820	0.2	20%

Associated Samples:
Batch GP38777: DA72963-1
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits