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Automated Report

Technical Report for

Occidental Petroleum Corporation

Kerr-McGee: GWA_Lizzy_8_36HZ

FID. 753511 - REG. 615 - Feq. 1SUB

SGS Job Number: DA72255

Sampling Date: 05/08/25

Report to:

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

ATTN: Distribution6

Total number of pages in report: 58



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: DA72255

Kerr-McGee: GWA_Lizzy_8_36HZ
Project No: FID. 753511 - REG. 615 - Feq. 1SUB

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

DA72255-1	05/08/25	10:52	AI	05/09/25	AQ	Ground Water	BW_TRIPLE_292490 SESE_36_1N_68W
DA72255-1A	05/08/25	10:52	AI	05/09/25	AQ	Ground Water	BW_TRIPLE_292490 SESE_36_1N_68W
DA72255-1B	05/08/25	10:52	AI	05/09/25	AQ	Ground Water	BW_TRIPLE_292490 SESE_36_1N_68W
DA72255-1F	05/08/25	10:52	AI	05/09/25	AQ	Groundwater Filtered	BW_TRIPLE_292490 SESE_36_1N_68W

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Occidental Petroleum Corporation

Job No: DA72255

Site: Kerr-McGee: GWA_Lizzy_8_36HZ

Report Date 6/25/2025 3:28:24 AM

On 05/09/2025, 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 5.9 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of DA72255 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: V7V4914

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72265-15MS, DA72265-15MSD were used as the QC samples indicated.

GC Volatiles By Method RSK175 MOD

Matrix: AQ

Batch ID: GFK422

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72257-1AMS, DA72257-1AMSD were used as the QC samples indicated.
- DA72255-1A: 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: GGA3041

- All samples were analyzed within the recommended method holding time.
- Sample(s) DA72265-2MS, DA72265-2MSD 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: OP27660

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) DA72146-1MS, DA72146-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Metals Analysis By Method EPA 200.8

Matrix: AQ

Batch ID: MP41226

- 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) DA72246-1AMS, DA72246-1AMSD were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Calcium, Sodium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- MP41226-MB for Potassium: Element detected in the MB greater than 1/2 the reporting limit. Reported samples are ND or 10x the result of the MB.
- MP41226-MB for Sodium: Element detected in the MB greater than 1/2 the reporting limit. Reported samples are ND or 10x the result of the MB.

Matrix: AQ

Batch ID: MP41510

- 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) DA72015-1FMS, DA72015-1FMSD were used as the QC samples for the metals analysis.

General Chemistry By Method EPA 300.0

Matrix: AQ

Batch ID: GP38580

- 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) DA72166-4MS, DA72166-4MSD were used as the QC samples for the Bromide, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Bromide, Chloride, Fluoride analysis.
- The matrix spike (MS) recovery(s) of Chloride, Fluoride are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- The matrix spike duplicate (MSD) recovery(s) of Chloride, Fluoride, Nitrogen, Nitrate, Sulfate are outside control limits. Probable cause due to matrix interference.

Matrix: AQ

Batch ID: R65419

- The data for EPA 300.0 meets quality control requirements.
- DA72255-1 for Nitrogen, Nitrate + Nitrite: Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

General Chemistry By Method EPA 365.3

Matrix: AQ

Batch ID: N:GP61889

- The data for EPA 365.3 meets quality control requirements.
- DA72255-1 for Phosphorus, Total: Sample received outside the holding time. Analysis performed at SGS Dayton, NJ.

General Chemistry By Method HACH IRB-BART-NOCERT

Matrix: AQ

Batch ID: MB1850

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72146-1BDUP were used as the QC samples for the Iron-Related Bacteria analysis.
- MB1850-MB for Iron-Related Bacteria: Certification for this test is not offered.
- DA72255-1B for Iron-Related Bacteria: Certification for this test is not offered.

General Chemistry By Method HC SLYM-BART-NO CERT

Matrix: AQ **Batch ID:** MB1851

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72146-1BDUP were used as the QC samples for the Slime Forming Bacteria analysis.
- DA72255-1B for Slime Forming Bacteria: Certification for this test is not offered.
- MB1851-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:** MB1849

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72146-1BDUP were used as the QC samples for the Sulfate Reducing Bacteria analysis.
- DA72255-1B for Sulfate Reducing Bacteria: Certification for test not offered.

General Chemistry By Method SM 2320B-2011

Matrix: AQ **Batch ID:** GN66915

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72255-1DUP, DA72255-1MS, DA72255-1MSD were used as the QC samples for the Alkalinity, Total as CaCO₃ analysis.

Matrix: AQ **Batch ID:** GN66916

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

Matrix: AQ **Batch ID:** GN66917

- 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:** GP38745

- Sample(s) DA72749-1DUP were used as the QC samples for the Specific Conductivity analysis.
- The following samples were prepared outside of holding time for method SM 2510B-2011: DA72255-1 Sample analyzed beyond recommended hold time.

General Chemistry By Method SM 2540C-2011

Matrix: AQ **Batch ID:** GN66913

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) DA72268-7DUP were used as the QC samples for the Solids, Total Dissolved analysis.

General Chemistry By Method SM1030E-2011

Matrix: AQ **Batch ID:** GN67448

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

General Chemistry By Method SM4500HB+-2011/9040C

Matrix: AQ

Batch ID: GN67269

- The data for SM4500HB+-2011/9040C meets quality control requirements.
- The following samples were run outside of holding time for method SM4500HB+-2011/9040C: DA72255-1 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: R65410

- 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.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SGS Wheat Ridge, CO

Job No: DA72255

Site: ANADACOD: Kerr-McGee: GWA_Lizzy_8_36HZ

Report Date 6/24/2025 5:24:16 AM

On 06/12/2025, 1 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 1.2 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of DA72255 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.

General Chemistry By Method EPA 365.3

Matrix: AQ

Batch ID: GP61889

- All method blanks for this batch meet method specific criteria.
- Sample(s) JE13169-6DUP, JE13169-6MS were used as the QC samples for the Phosphorus, Total analysis.
- The following samples were prepared outside of holding time for method EPA 365.3: DA72255-1 Sample received outside the holding time.

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.

Tuesday, June 24, 2025

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Summary of Hits

Job Number: DA72255
 Account: Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ
 Collected: 05/08/25



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA72255-1 BW_TRIPLE_292490 SESE_36_1N_68W

Fluoride	2.1	0.50			mg/l	EPA 300.0
Chloride	281	2.5			mg/l	EPA 300.0
Bromide	0.95	0.25			mg/l	EPA 300.0
Nitrogen, Nitrate	3.9	0.50			mg/l	EPA 300.0
Sulfate	1290	25			mg/l	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	3.9	0.70			mg/l	EPA 300.0
Alkalinity, Bicarbonate as CaCO ₃	405	5.0			mg/l	SM 2320B-2011
Alkalinity, Total as CaCO ₃	405	5.0			mg/l	SM 2320B-2011
Cation Anion Balance	4.1				%	SM1030E-2011
Solids, Total Dissolved	2640	10			mg/l	SM 2540C-2011
Specific Conductivity ^b	3690	1.0			umhos/cm	SM 2510B-2011
pH ^c	9.74				su	SM4500HB+ -2011/9040C
Specific Conductivity (Field)	3821.7	0.50			umhos/cm	FIELD
pH (Field)	7.22				su	FIELD
Temperature (Field)	13.6				Deg. C	FIELD
Turbidity	0.02				NTU	FIELD
Redox Potential Vs H ₂	98.7				mv	FIELD
Oxygen, Dissolved (Field)	3.26				mg/l	FIELD

DA72255-1A BW_TRIPLE_292490 SESE_36_1N_68W

No hits reported in this sample.

DA72255-1B BW_TRIPLE_292490 SESE_36_1N_68W

Iron-Related Bacteria ^d	2200	25			CFU/ml	HACH IRB-BART-NO CERT
Slime Forming Bacteria ^d	< 500	500			CFU/ml	HC SLYM-BART-NO CERT
Sulfate Reducing Bacteria ^e	< 200	200			CFU/ml	HC SRB-BART-NO CERT

DA72255-1F BW_TRIPLE_292490 SESE_36_1N_68W

Barium	0.0164	0.0020			mg/l	EPA 200.8
Boron	0.748	0.040			mg/l	EPA 200.8
Calcium	238	20			mg/l	EPA 200.8
Magnesium	154	0.50			mg/l	EPA 200.8
Manganese	0.0034	0.0010			mg/l	EPA 200.8
Potassium	3.19	0.20			mg/l	EPA 200.8
Selenium	0.0231	0.00040			mg/l	EPA 200.8
Sodium	513	25			mg/l	EPA 200.8
Strontium	5.39	1.0			mg/l	EPA 200.8

(a) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

(b) Sample analyzed beyond recommended hold time.

Summary of Hits

Job Number: DA72255
Account: Occidental Petroleum Corporation
Project: Kerr-McGee: GWA_Lizzy_8_36HZ
Collected: 05/08/25



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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- (c) Field parameter analyzed by the laboratory upon request. Analysis performed past the required 15 minutes from collection time/holding time.
- (d) Certification for this test is not offered.
- (e) Certification for test not offered.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: BW_TRIPLE_292490 SESE_36_1N_68W Lab Sample ID: DA72255-1 Matrix: AQ - Ground Water Method: SW846 8260B Project: Kerr-McGee: GWA_Lizzy_8_36HZ	Date Sampled: 05/08/25 Date Received: 05/09/25 Percent Solids: n/a
---	---

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7V100209.D	1	05/15/25 15:58	MB	n/a	n/a	V7V4914
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	113%		70-130%
17060-07-0	1,2-Dichloroethane-D4	104%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	88%		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 SESE_36_1N_68W Lab Sample ID: DA72255-1 Matrix: AQ - Ground Water Method: SW846 8015C Project: Kerr-McGee: GWA_Lizzy_8_36HZ	Date Sampled: 05/08/25 Date Received: 05/09/25 Percent Solids: n/a
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Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA69730.D	1	05/12/25 12:24	MB	n/a	n/a	GGA3041
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	110%		60-140%		

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

Client Sample ID: BW_TRIPLE_292490 SESE_36_1N_68W Lab Sample ID: DA72255-1 Matrix: AQ - Ground Water Method: SW846 8015C SW846 3511 Project: Kerr-McGee: GWA_Lizzy_8_36HZ	Date Sampled: 05/08/25 Date Received: 05/09/25 Percent Solids: n/a
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Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW42432.D	1	05/12/25 20:56	JB	05/12/25 10:00	OP27660	GLW998
Run #2							

Run #	Initial Volume	Final Volume
Run #1	56.7 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	83%		44-134%		

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

Client Sample ID: BW_TRIPLE_292490 SESE_36_1N_68W	Date Sampled: 05/08/25
Lab Sample ID: DA72255-1	Date Received: 05/09/25
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Kerr-McGee: GWA_Lizzy_8_36HZ	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	2.1	0.50	mg/l	5	05/09/25 20:05	AM	EPA 300.0
Chloride	281	2.5	mg/l	5	05/09/25 20:05	AM	EPA 300.0
Nitrogen, Nitrite	< 0.20	0.20	mg/l	50	05/09/25 19:57	AM	EPA 300.0
Bromide	0.95	0.25	mg/l	5	05/09/25 20:05	AM	EPA 300.0
Nitrogen, Nitrate	3.9	0.50	mg/l	50	05/09/25 19:57	AM	EPA 300.0
Sulfate	1290	25	mg/l	50	05/09/25 19:57	AM	EPA 300.0
300.0 NO2 + NO3O							
Nitrogen, Nitrate + Nitrite ^a	3.9	0.70	mg/l	1	05/09/25 19:57	AM	EPA 300.0
Alkalinity, Bicarbonate as CaC	405	5.0	mg/l	1	05/12/25 09:24	JW	SM 2320B-2011
Alkalinity, Carbonate	< 5.0	5.0	mg/l	1	05/12/25 09:24	JW	SM 2320B-2011
Alkalinity, Total as CaCO3	405	5.0	mg/l	1	05/12/25 09:24	JW	SM 2320B-2011
Cation Anion Balance	4.1		%	1	06/19/25	KSS	SM1030E-2011
Phosphorus, Total ^b	< 0.050	0.050	mg/l	1	06/20/25 20:15	ANJ	EPA 365.3
Solids, Total Dissolved	2640	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011
Specific Conductivity ^c	3690	1.0	umhos/cm	1	06/06/25 12:00	JB	SM 2510B-2011
pH ^d	9.74		su	1	06/06/25	JB	SM4500HB+ -2011/9040C

Field Parameters

Oxygen, Dissolved (Field)	3.26		mg/l	1	05/08/25 10:52	SUB	FIELD
Redox Potential Vs H2	98.7		mv	1	05/08/25 10:52	SUB	FIELD
Specific Conductivity (Field)	3821.7	0.50	umhos/cm	1	05/08/25 10:52	SUB	FIELD
Temperature (Field)	13.6		Deg. C	1	05/08/25 10:52	SUB	FIELD
Turbidity	0.02		NTU	1	05/08/25 10:52	SUB	FIELD
pH (Field)	7.22		su	1	05/08/25 10:52	SUB	FIELD

(a) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

(b) Sample received outside the holding time. Analysis performed at SGS Dayton, NJ.

(c) Sample analyzed beyond recommended hold time.

(d) 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_TRIPLE_292490 SESE_36_1N_68W	Date Sampled: 05/08/25
Lab Sample ID: DA72255-1A	Date Received: 05/09/25
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: RSK175 MOD	
Project: Kerr-McGee: GWA_Lizzy_8_36HZ	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	FK55917.D	1	05/12/25 14:56	MB	n/a	n/a	GFK422
Run #2							

Run #	Initial Volume	Headspace Volume	Volume Injected	Temperature
Run #1	39.0 ml	4.0 ml	500 ul	21.1 Deg. C
Run #2				

Methane, Ethane and Propane

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	

(a) The pH of the sample was > 2 at time of analysis. Bottles marked as preserved.

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

4.2
4

Report of Analysis

Client Sample ID: BW_TRIPLE_292490 SESE_36_1N_68W	Date Sampled: 05/08/25
Lab Sample ID: DA72255-1B	Date Received: 05/09/25
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Kerr-McGee: GWA_Lizzy_8_36HZ	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Not certifiable							
Iron-Related Bacteria ^a	2200	25	CFU/ml	1	05/19/25	JB	HACH IRB-BART-NOCERT
Slime Forming Bacteria ^a	< 500	500	CFU/ml	1	05/19/25	JB	HC SLYM-BART-NO CERT
Sulfate Reducing Bacteria ^b	< 200	200	CFU/ml	1	05/19/25	JB	HC SRB-BART-NO CERT

(a) Certification for this test is not offered.

(b) Certification for test not offered.

RL = Reporting Limit

4.3
4

Report of Analysis

Client Sample ID: BW_TRIPLE_292490 SESE_36_1N_68W Lab Sample ID: DA72255-1F Matrix: AQ - Groundwater Filtered Project: Kerr-McGee: GWA_Lizzy_8_36HZ	Date Sampled: 05/08/25 Date Received: 05/09/25 Percent Solids: n/a
--	---

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Barium	0.0164	0.0020	mg/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁴
Boron	0.748	0.040	mg/l	1	06/12/25	06/18/25	GS EPA 200.8 ³	EPA 200.8 ⁵
Calcium	238	20	mg/l	50	05/11/25	06/03/25	GS EPA 200.8 ²	EPA 200.8 ⁴
Iron	< 0.020	0.020	mg/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁴
Magnesium	154	0.50	mg/l	5	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁴
Manganese	0.0034	0.0010	mg/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁴
Potassium	3.19	0.20	mg/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁴
Selenium	0.0231	0.00040	mg/l	1	05/11/25	05/17/25	CDL EPA 200.8 ¹	EPA 200.8 ⁴
Sodium	513	25	mg/l	50	05/11/25	06/03/25	GS EPA 200.8 ²	EPA 200.8 ⁴
Strontium	5.39	1.0	mg/l	50	05/11/25	06/03/25	GS EPA 200.8 ²	EPA 200.8 ⁴

- (1) Instrument QC Batch: MA19110
- (2) Instrument QC Batch: MA19184
- (3) Instrument QC Batch: MA19255
- (4) Prep QC Batch: MP41226
- (5) Prep QC Batch: MP41510

RL = Reporting Limit

4.4
4

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

Form containing Client/Reporting Information, Project Information, Requested Analysis (see TEST CODE sheet), Matrix Codes, and various data fields for sample collection and analysis.

Table with columns for Client/Reporting Information, Project Information, and Collection. Includes fields for Company, Street, City, State, Project Contact, and various sample parameters like Temperature, pH, Specific Conductivity, etc.

Form containing Turnaround Time (Business days), Data Deliverable Information, Comments / Special Instructions, and Sample Custody tracking information.

5.1 5

DA72255: Chain of Custody

Page 1 of 2



SGS Sample Receipt Summary

Job Number: da72255

Client: ABSAROKA

Project: GWA

Date / Time Received: 5/9/2025 11:55:00 AM

Delivery Method: co

Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (5.9);

Cooler Temps (Corrected) °C: Cooler 1: (5.9);

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: 5/9/2025 12:09:42 PM

Reviewer: _____

Date: _____

DA72255: Chain of Custody

Page 2 of 2

5.1
5

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: DA72255
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V4914-MB	7V100195.D	1	05/15/25	MB	n/a	n/a	V7V4914

The QC reported here applies to the following samples:

Method: SW846 8260B

DA72255-1

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	110% 70-130%
17060-07-0	1,2-Dichloroethane-D4	99% 70-130%
2037-26-5	Toluene-D8	98% 70-130%
460-00-4	4-Bromofluorobenzene	90% 70-130%

6.1.1
6

Blank Spike Summary

Job Number: DA72255
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7V4914-BS	7V100193.D	1	05/15/25	MB	n/a	n/a	V7V4914

The QC reported here applies to the following samples:

Method: SW846 8260B

DA72255-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	50	47.1	94	70-130
100-41-4	Ethylbenzene	50	44.1	88	70-130
108-88-3	Toluene	50	46.2	92	70-130
	m,p-Xylene	100	89.3	89	70-130
95-47-6	o-Xylene	50	43.5	87	70-130
1330-20-7	Xylene (total)	150	133	89	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	114%	70-130%
17060-07-0	1,2-Dichloroethane-D4	99%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72255
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA72265-15MS	7V100196.D	1	05/15/25	MB	n/a	n/a	V7V4914
DA72265-15MSD	7V100197.D	1	05/15/25	MB	n/a	n/a	V7V4914
DA72265-15	7V100198.D	1	05/15/25	MB	n/a	n/a	V7V4914

The QC reported here applies to the following samples:

Method: SW846 8260B

DA72255-1

CAS No.	Compound	DA72265-15 Spike		MS	MS	Spike	MSD	MSD	RPD	Limits
		ug/l	Q	ug/l	ug/l	%	ug/l	ug/l		%
71-43-2	Benzene	ND	50	44.9	90	50	45.6	91	2	70-130/30
100-41-4	Ethylbenzene	ND	50	42.5	85	50	43.7	87	3	70-130/30
108-88-3	Toluene	ND	50	44.0	88	50	44.2	88	0	70-130/30
	m,p-Xylene	ND	100	85.1	85	100	87.4	87	3	70-130/30
95-47-6	o-Xylene	ND	50	40.8	82	50	43.0	86	5	70-130/30
1330-20-7	Xylene (total)	ND	150	126	84	150	130	87	3	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72265-15 Limits	
1868-53-7	Dibromofluoromethane	116%	115%	115%	70-130%
17060-07-0	1,2-Dichloroethane-D4	102%	103%	97%	70-130%
2037-26-5	Toluene-D8	100%	97%	95%	70-130%
460-00-4	4-Bromofluorobenzene	100%	101%	87%	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: DA72255
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA3041-MB	GA69712.D	1	05/12/25	MB	n/a	n/a	GGA3041

The QC reported here applies to the following samples:

Method: SW846 8015C

DA72255-1

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	111% 60-140%

7.1.1
7

Method Blank Summary

Job Number: DA72255
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFK422-MB	FK55914.D	1	05/12/25	MB	n/a	n/a	GFK422

The QC reported here applies to the following samples:

Method: RSK175 MOD

DA72255-1A

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	

7.1.2

7

Blank Spike Summary

Job Number: DA72255
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GGA3041-BS	GA69710.D	1	05/11/25	MB	n/a	n/a	GGA3041

The QC reported here applies to the following samples:

Method: SW846 8015C

DA72255-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-GRO (C6-C10)	2.2	1.68	76	64-130

CAS No.	Surrogate Recoveries	BSP	Limits
120-82-1	1,2,4-Trichlorobenzene	111%	60-140%

* = Outside of Control Limits.

7.2.1
7

Blank Spike Summary

Job Number: DA72255
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GFK422-BS	FK55915.D	10	05/12/25	MB	n/a	n/a	GFK422

The QC reported here applies to the following samples:

Method: RSK175 MOD

DA72255-1A

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
74-82-8	Methane	0.51	0.593	116	70-135
74-84-0	Ethane	0.956	1.18	123	70-150
74-98-6	Propane	1.4	1.67	119	70-145

7.2.2
7

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72255
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA72265-2MS	GA69713.D	1	05/12/25	MB	n/a	n/a	GGA3041
DA72265-2MSD	GA69714.D	1	05/12/25	MB	n/a	n/a	GGA3041
DA72265-2	GA69715.D	1	05/12/25	MB	n/a	n/a	GGA3041

The QC reported here applies to the following samples:

Method: SW846 8015C

DA72255-1

CAS No.	Compound	DA72265-2 mg/l	Spike Q	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	2.2	1.60	73	2.2	1.60	73	0	56-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72265-2	Limits
120-82-1	1,2,4-Trichlorobenzene	112%	117%	111%	60-140%

* = Outside of Control Limits.

7.3.1
7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72255
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA72257-1AMS ^a	FK55920.D	10	05/12/25	MB	n/a	n/a	GFK422
DA72257-1AMSD ^a	FK55921.D	10	05/12/25	MB	n/a	n/a	GFK422
DA72257-1A ^a	FK55918.D	1	05/12/25	MB	n/a	n/a	GFK422
DA72257-1A ^a	FK55919.D	10	05/12/25	MB	n/a	n/a	GFK422

The QC reported here applies to the following samples:

Method: RSK175 MOD

DA72255-1A

CAS No.	Compound	DA72257-1A Spike		MS	MS	Spike	MSD	MSD	RPD	Limits
		mg/l	Q mg/l	mg/l	%	mg/l	mg/l	%		Rec/RPD
74-82-8	Methane	5.20 ^b	0.51	5.86	129	0.51	5.72	102	2	20-183/30
74-84-0	Ethane	0.0070	0.956	1.12	116	0.956	1.09	113	3	50-140/30
74-98-6	Propane	ND	1.4	1.55	111	1.4	1.51	108	3	50-140/30

(a) The pH of the sample was > 2 at time of analysis. Bottles marked as preserved.

(b) Result is from Run #2.

* = Outside of Control Limits.

7.3.2
7

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: DA72255
Account: ANADACOD Occidental Petroleum Corporation
Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27660-MB	LW42425.D	1	05/12/25	JB	05/12/25	OP27660	GLW998

The QC reported here applies to the following samples:

Method: SW846 8015C

DA72255-1

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	85% 44-134%

8.1.1

8

Blank Spike Summary

Job Number: DA72255
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27660-BS	LW42426.D	1	05/12/25	JB	05/12/25	OP27660	GLW998

The QC reported here applies to the following samples:

Method: SW846 8015C

DA72255-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	Limits
	TPH-DRO (C10-C28)	3.64	3.60	99	60-140

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	102%	44-134%

8.2.1
8

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72255
 Account: ANADACOD Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27660-MS	LW42427.D	1	05/12/25	JB	05/12/25	OP27660	GLW998
OP27660-MSD	LW42428.D	1	05/12/25	JB	05/12/25	OP27660	GLW998
DA72146-1	LW42429.D	1	05/12/25	JB	05/12/25	OP27660	GLW998

The QC reported here applies to the following samples:

Method: SW846 8015C

DA72255-1

CAS No.	Compound	DA72146-1 mg/l	Spike Q mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND	6.29	6.55	104	6.33	7.18	113	9	50-150/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72146-1	Limits
84-15-1	o-Terphenyl	96%	104%	83%	44-134%

8.3.1
8

* = 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: DA72255
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee: GWA_Lizzy_8_36HZ

QC Batch ID: MP41226
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 05/11/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	10		
Antimony	0.40	.01	.3		
Arsenic	0.20	.05	.05		
Barium	2.0	.096	.3	0.29	<2.0
Beryllium	0.20	.077	.1		
Boron	40	18	10		
Cadmium	0.10	.03	.05		
Calcium	400	25	60	63.9	<400
Chromium	2.0	.087	.27		
Cobalt	0.20	.04	.05		
Copper	2.0	.05	1.5		
Iron	20	1.6	10	0.24	<20
Lead	0.50	.094	.13		
Magnesium	100	10	20	1.2	<100
Manganese	1.0	.079	.51	-0.22	<1.0
Molybdenum	1.0	.037	.2		
Nickel	2.0	.098	.5		
Phosphorus	60	7.6	25		
Potassium	200	2	50	137	* (a)
Selenium	0.40	.05	.1	-0.00059	<0.40
Silver	0.10	.0081	.025		
Sodium	500	10	70	582	* (a)
Strontium	20	.1	5	0.26	<20
Thallium	0.20	.032	.05		
Tin	10	.22	2.5		
Titanium	2.0	.05	.5		
Uranium	0.20	.015	.05		
Vanadium	1.0	.14	.2		
Zinc	10	.05	2		

Associated samples MP41226: DA72255-1F

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Element detected in the MB greater than 1/2 the reporting limit. Reported samples are ND or 10x the result of the MB.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72255
 Account: ANADACOD - Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

QC Batch ID: MP41226
 Matrix Type: AQUEOUS

Methods: EPA 200.8
 Units: ug/l

Prep Date: 05/11/25

Metal	DA72246-1A Original MS		Spike ICPMS5	% Rec	QC Limits
Aluminum	anr				
Antimony	anr				
Arsenic	anr				
Barium	43.7	448	400	101.1	70-130
Beryllium	anr				
Boron	anr				
Cadmium	anr				
Calcium	57500	65800	5000	166.0(a)	70-130
Chromium	anr				
Cobalt	anr				
Copper	anr				
Iron	22.1	1010	1000	98.8	70-130
Lead	anr				
Magnesium	12900	17900	5000	100.0	70-130
Manganese	4.2	104	100	99.8	70-130
Molybdenum	anr				
Nickel	anr				
Phosphorus	anr				
Potassium	15500	21600	5000	122.0	70-130
Selenium	0.40	201	200	100.3	70-130
Silver	anr				
Sodium	48400	131000	5000	1652.0(a)	70-130
Strontium	357	465	100	108.0	70-130
Thallium	anr				
Tin	anr				
Titanium	anr				
Uranium	anr				
Vanadium	anr				
Zinc	anr				

Associated samples MP41226: DA72255-1F

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: DA72255
 Account: ANADACOD - Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

QC Batch ID: MP41226
 Matrix Type: AQUEOUS

Methods: EPA 200.8
 Units: ug/l

Prep Date: 05/11/25

Metal	DA72246-1A Original MSD	SpikeLot ICPMS5	% Rec	MSD RPD	QC Limit	
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	43.7	444	400	100.1	3.5	20
Beryllium	anr					
Boron	anr					
Cadmium	anr					
Calcium	57500	66000	5000	170.0(a)	0.3	20
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	22.1	1010	1000	98.8	1.0	20
Lead	anr					
Magnesium	12900	17700	5000	96.0	2.8	20
Manganese	4.2	103	100	98.8	3.8	20
Molybdenum	anr					
Nickel	anr					
Phosphorus						
Potassium	15500	21600	5000	122.0	0.0	20
Selenium	0.40	202	200	100.8	4.8	20
Silver	anr					
Sodium	48400	137000	5000	1772.0(a)	4.5	20
Strontium	357	459	100	102.0	3.4	20
Thallium	anr					
Tin						
Titanium						
Uranium	anr					
Vanadium	anr					
Zinc	anr					

Associated samples MP41226: DA72255-1F

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: DA72255
 Account: ANADACOD - Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

QC Batch ID: MP41226
 Matrix Type: AQUEOUS

Methods: EPA 200.8
 Units: ug/l

Prep Date: 05/11/25

Metal	BSP Result	SpikeLot ICPMS5	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	412	400	103.0	85-115
Beryllium	anr			
Boron	anr			
Cadmium	anr			
Calcium	5160	5000	103.2	85-115
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	1010	1000	101.0	85-115
Lead	anr			
Magnesium	4910	5000	98.2	85-115
Manganese	101	100	101.0	85-115
Molybdenum	anr			
Nickel	anr			
Phosphorus				
Potassium	5150	5000	103.0	85-115
Selenium	204	200	102.0	85-115
Silver	anr			
Sodium	5470	5000	109.4	85-115
Strontium	101	100	101.0	85-115
Thallium	anr			
Tin				
Titanium				
Uranium	anr			
Vanadium	anr			
Zinc	anr			

Associated samples MP41226: DA72255-1F

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

9.1.3
 9

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72255
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee: GWA_Lizzy_8_36HZ

QC Batch ID: MP41510
Matrix Type: AQUEOUS

Methods: EPA 200.8
Units: ug/l

Prep Date: 06/12/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	10		
Antimony	0.40	.01	.3		
Arsenic	0.20	.05	.05		
Barium	2.0	.096	.3		
Beryllium	0.20	.077	.1		
Boron	40	18	10	2.2	<40
Cadmium	0.10	.03	.05		
Calcium	400	25	60		
Chromium	2.0	.087	.27		
Cobalt	0.20	.04	.05		
Copper	2.0	.05	1.5		
Iron	20	1.6	10		
Lead	0.50	.094	.13		
Magnesium	100	10	20		
Manganese	1.0	.079	.51		
Molybdenum	1.0	.037	.2		
Nickel	2.0	.098	.5		
Phosphorus	60	7.6	25		
Potassium	200	2	50		
Selenium	0.40	.05	.1		
Silver	0.10	.0081	.025		
Sodium	500	10	70		
Strontium	20	.1	5		
Thallium	0.20	.032	.05		
Tin	10	.22	2.5		
Titanium	2.0	.05	.5		
Uranium	0.20	.015	.05		
Vanadium	1.0	.14	.2		
Zinc	10	.05	2		

Associated samples MP41510: DA72255-1F

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

9.2.1
9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72255
 Account: ANADACOD - Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

QC Batch ID: MP41510
 Matrix Type: AQUEOUS

Methods: EPA 200.8
 Units: ug/l

Prep Date: 06/12/25

Metal	DA72015-1F Original MS	Spike/lot ICPMS5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium	anr			
Beryllium				
Boron	0.00	477	400	119.3 70-130
Cadmium				
Calcium	anr			
Chromium				
Cobalt				
Copper				
Iron	anr			
Lead				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel				
Phosphorus				
Potassium	anr			
Selenium	anr			
Silver				
Sodium	anr			
Strontium	anr			
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	anr			

Associated samples MP41510: DA72255-1F

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

9.2.2
 9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72255
 Account: ANADACOD - Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

QC Batch ID: MP41510
 Matrix Type: AQUEOUS

Methods: EPA 200.8
 Units: ug/l

Prep Date: 06/12/25

Metal	DA72015-1F Original MSD	SpikeLot ICPMS5	% Rec	MSD RPD	QC Limit	
Aluminum						
Antimony						
Arsenic						
Barium	anr					
Beryllium						
Boron	0.00	482	400	120.5	16.9	20
Cadmium						
Calcium	anr					
Chromium						
Cobalt						
Copper						
Iron	anr					
Lead						
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel						
Phosphorus						
Potassium	anr					
Selenium	anr					
Silver						
Sodium	anr					
Strontium	anr					
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	anr					

Associated samples MP41510: DA72255-1F

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

9.2.2
 9

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72255
 Account: ANADACOD - Occidental Petroleum Corporation
 Project: Kerr-McGee: GWA_Lizzy_8_36HZ

QC Batch ID: MP41510
 Matrix Type: AQUEOUS

Methods: EPA 200.8
 Units: ug/l

Prep Date: 06/12/25

Metal	BSP Result	Spikelot ICPMS5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium	anr			
Beryllium				
Boron	418	400	104.5	85-115
Cadmium				
Calcium	anr			
Chromium				
Cobalt				
Copper				
Iron	anr			
Lead				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel				
Phosphorus				
Potassium	anr			
Selenium	anr			
Silver				
Sodium	anr			
Strontium	anr			
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	anr			

Associated samples MP41510: DA72255-1F

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

9.2.3
 9

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: DA72255
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Bicarbonate as CaC	GN66916	5.0	4.5	mg/l	100	106	105.6	90-110%
Alkalinity, Carbonate	GN66917	5.0	4.5	mg/l	100	106	105.6	90-110%
Alkalinity, Total as CaCO3	GN66915	5.0	4.5	mg/l	100	106	105.6	90-110%
Iron-Related Bacteria	MB1850	25	<25 (a)	CFU/ml				
Nitrogen, Nitrate	GP38580/GN66896	0.010	0.0	mg/l	0.1	0.0964	96.4	90-110%
Nitrogen, Nitrite	GP38580/GN66896	0.0040	0.0	mg/l	0.05	0.0497	99.4	90-110%
Slime Forming Bacteria	MB1851	500	<500 (a)	CFU/ml				
Solids, Total Dissolved	GN66913	10	0.0	mg/l	250	1010	100.8	90-110%
Specific Conductivity	GP38745/GN67265			umhos/cm	1409	1520	108.0	90-110%
Sulfate Reducing Bacteria	MB1849	200	<200	CFU/ml				

Associated Samples:

Batch MB1849: DA72255-1B
Batch MB1850: DA72255-1B
Batch MB1851: DA72255-1B
Batch GN66913: DA72255-1
Batch GN66915: DA72255-1
Batch GN66916: DA72255-1
Batch GN66917: DA72255-1
Batch GP38580: DA72255-1
Batch GP38745: DA72255-1

(*) Outside of QC limits

(a) Certification for this test is not offered.

10.1
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DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72255
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Alkalinity, Total as CaCO3	GN66915	DA72255-1	mg/l	405	416	2.6	0-20%
Iron-Related Bacteria	MB1850	DA72146-1B	CFU/ml	2200	2200(a)	0.0(a)	0-%
Slime Forming Bacteria	MB1851	DA72146-1B	CFU/ml	<500	<500(a)	0.0(a)	0-%
Solids, Total Dissolved	GN66913	DA72268-7	mg/l	1050	1070	2.6	0-5.44%
Specific Conductivity	GP38745/GN67265	DA72749-1	umhos/cm	1870	1840	1.7	0-20%
Sulfate Reducing Bacteria	MB1849	DA72146-1B	CFU/ml	<200	<200(b)	0.0(b)	0-%

Associated Samples:

Batch MB1849: DA72255-1B

Batch MB1850: DA72255-1B

Batch MB1851: DA72255-1B

Batch GN66913: DA72255-1

Batch GN66915: DA72255-1

Batch GP38745: DA72255-1

(*) Outside of QC limits

(a) Certification for this test is not offered.

(b) Certification for test not offered.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72255
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Alkalinity, Total as CaCO3	GN66915	DA72255-1	mg/l	405	100	511	95.0	80-120%
Bromide	GP38580/GN66896	DA72166-4	mg/l	0.0	50	55.9	111.8	80-120%
Chloride	GP38580/GN66896	DA72166-4	mg/l	596	500	1200	120.8N(a)	80-120%
Fluoride	GP38580/GN66896	DA72166-4	mg/l	0.0	100	127	127.0N(a)	80-120%
Nitrogen, Nitrate	GP38580/GN66896	DA72166-4	mg/l	22.1	10	34.1	120.0	80-120%
Nitrogen, Nitrite	GP38580/GN66896	DA72166-4	mg/l	0.0	5	4.8	96.0	80-120%
Sulfate	GP38580/GN66896	DA72166-4	mg/l	974	500	1570	119.2	80-120%

Associated Samples:

Batch GN66915: DA72255-1

Batch GP38580: DA72255-1

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72255
Account: ANADACOD - Occidental Petroleum Corporation
Project: Kerr-McGee: GWA_Lizzy_8_36HZ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Alkalinity, Total as CaCO3	GN66915	DA72255-1	mg/l	405	100	514	0.7	20%
Bromide	GP38580/GN66896	DA72166-4	mg/l	0.0	50	56.0	0.2	20%
Chloride	GP38580/GN66896	DA72166-4	mg/l	596	500	1210	0.8	20%
Fluoride	GP38580/GN66896	DA72166-4	mg/l	0.0	100	127	0.0	20%
Nitrogen, Nitrate	GP38580/GN66896	DA72166-4	mg/l	22.1	10	34.3	0.6	20%
Nitrogen, Nitrite	GP38580/GN66896	DA72166-4	mg/l	0.0	5	4.8	0.0	20%
Sulfate	GP38580/GN66896	DA72166-4	mg/l	974	500	1590	1.3	20%

Associated Samples:

Batch GN66915: DA72255-1

Batch GP38580: DA72255-1

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

10.4
10

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody





SGS North America Inc. - Wheat Ridge
 4036 Youngfield Street, Wheat Ridge, CO 80033
 TEL: 303-425-6021 FAX: 303-425-6854
 www.sgs.com/ehsusa

744490770595
 Bottle Order Control #
 SGS Quote #
 SGS Job # DA72255

Client / Reporting Information		Project Information										Requested Analysis (see TEST CODE sheet)										Matrix Codes
Company Name: SGS North America Inc.		Project Name: Kerr-McGee: GWA_Lizzy_8_36HZ																				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
Street Address: 4036 Youngfield Street		Street																				
City State Zip: Wheat Ridge, CO 8003		City State																				
Project Contact E-mail: parna.eskandaripayandeh@sgs.com		Project #																				
Phone # Fax #: 303-425-6021		Client Purchase Order #																				
Sampler(s) Name(s): AI		Project Manager										Attention:										LAB USE ONLY (3871)
SGS Sample #	Field ID / Point of Collection	MECH/DI Vial #	Collection		Sampled by	Matrix	# of bottles	D	T	NI03	HI03	HS04	NO06	DI06	ME06	EN06	TPO4					
1	BW_TRIPLE_292490 SESE_36_1N_68		Date	Time	AI	AQ											X					

Turnaround Time (Business days)		Data Deliverable Information										Comments / Special Instructions									
<input type="checkbox"/> Standard 10 Day (business) <input type="checkbox"/> 5 Business Days RUSH <input type="checkbox"/> 3 Business Days RUSH <input type="checkbox"/> 2 Business Days RUSH <input type="checkbox"/> 1 Business Day EMERGENCY <input checked="" type="checkbox"/> other Due 5/23/2025		Approved By (SGS PM): / Date: <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> REDT1 (Level 3) <input type="checkbox"/> FULT1 (Level 4) <input type="checkbox"/> Commercial "C" Commercial "A" = Results Only Commercial "B" = Results + QC Summary Commercial "C" = Results + QC Summary + Partial Raw data										State Forms <input type="checkbox"/> EDD Format <input type="checkbox"/> Other OK TO OOH Initial Assessment Label Verification									

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

Relinquished by Sampler: 1	Date Time: 5:30 5-11-25	Received By: 1 FEDEX	Relinquished By: 2 FEDEX 6/12/25 10:00	Date Time: 2	Received By: 2 [Signature]	
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4	
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	<input type="checkbox"/> Intact <input type="checkbox"/> Not intact	Preserved where applicable <input type="checkbox"/>	Therm. ID: On Ice 1.201250

DA72255: Chain of Custody
 Page 1 of 3
 SGS Dayton, NJ



SGS Sample Receipt Summary

Job Number: da72255

Client: _____

Project: _____

Date / Time Received: 6/12/2025 10:00:00 AM

Delivery Method: FED EX

Airbill #'s: 7444 9077 0595

Cooler Temps (Raw Measured) °C: Cooler 1: (1.2);

Cooler Temps (Corrected) °C: Cooler 1: (1.2);

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. Cooler temp verification: | <u>IR-50</u> | |
| 3. Cooler media: | <u>Ice (Bag)</u> | |
| 4. No. Coolers: | <u>1</u> | |

Quality Control Preservation

Y or N

N/A

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

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"/> |

Test Strip Lot #s:

pH 1-12: 231619

pH 12+: 203117A

Other: (Specify) _____

Comments

-1 Sample rec'd out of HT for TPO4. Okay to proceed per COC comment.

DA72255: Chain of Custody

Page 2 of 3

11.1
11

Responded to by: Sarah Yensan

Response Date: 6/12/25

Okay to proceed per COC

11.1
11

DA72255: Chain of Custody
Page 3 of 3

General Chemistry

QC Data Summaries

(SGS Dayton, NJ)

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: DA72255
Account: ALMS - SGS Wheat Ridge, CO
Project: ANADACOD: Kerr-McGee: GWA_Lizzy_8_36HZ

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Phosphorus, Total	GP61889/GN69928	0.050	0.0	mg/l	0.4	0.39	97.5	80-120%

Associated Samples:
Batch GP61889: DA72255-1
(*) Outside of QC limits

12.1
12

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72255
Account: ALMS - SGS Wheat Ridge, CO
Project: ANADACOD: Kerr-McGee: GWA_Lizzy_8_36HZ

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Phosphorus, Total	GP61889/GN69928	JE13169-6	mg/l	0.044	0.041	7.1	0-38%

Associated Samples:
Batch GP61889: DA72255-1
(*) Outside of QC limits

12.2
12

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72255
Account: ALMS - SGS Wheat Ridge, CO
Project: ANADACOD: Kerr-McGee: GWA_Lizzy_8_36HZ

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Phosphorus, Total	GP61889/GN69928	JE13169-6	mg/l	0.044	0.4	0.42	94.0	35-137%

Associated Samples:

Batch GP61889: DA72255-1

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

12.3
12