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

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Automated Report

Technical Report for

Chevron USA, Inc.

Schmerge 44-4

123-23143(38713)

SGS Job Number: DA72085

Sampling Date: 05/01/25

Report to:

Chevron USA, Inc.
2115 117th Avenue
Greeley, CO 80634
parna.eskandaripayandeh@sgs.com

ATTN: Karen Olson

Total number of pages in report: 87

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)

June 4, 2025

Jason Davidson
Chevron U.S.A. Inc.
2115 117th Avenue
Greeley, CO 80634

Subject: Report Reissue for SGS Job: Multiple Jobs

Dear Jason Davidson,

This revised report includes the updated methods and units in accordance with ECMC standards. Please accept our apologies for any inconvenience this may have caused you.

Any questions or concerns should be directed to the undersigned at 303-425-6021.

Sincerely,

Eric Hoffman
General Manager

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Sample Summary

Chevron USA, Inc.

Job No: DA72085

Schmerge 44-4
Project No: 123-23143(38713)

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA72085-1	05/01/25	12:22	JO	05/01/25	SO	Soil	FL01R-W@4'
DA72085-1A	05/01/25	12:22	JO	05/01/25	SO	Soil	FL01R-W@4'
DA72085-1B	05/01/25	12:22	JO	05/01/25	SO	Soil	FL01R-W@4'
DA72085-2	05/01/25	11:25	JO	05/01/25	SO	Soil	FL01R-S@7'
DA72085-2A	05/01/25	11:25	JO	05/01/25	SO	Soil	FL01R-S@7'
DA72085-2B	05/01/25	11:25	JO	05/01/25	SO	Soil	FL01R-S@7'

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: DA72085
Account: Chevron USA, Inc.
Project: Schmerge 44-4
Collected: 05/01/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA72085-1	**FL01R-W@4'**					
Benzo(a)anthracene [a]		0.0014 J	0.0029	0.00077	mg/kg	SW846 8270E
Chrysene [a]		0.00086 J	0.0029	0.00049	mg/kg	SW846 8270E
Fluoranthene [a]		0.0019 J	0.0029	0.00079	mg/kg	SW846 8270E
Pyrene [a]		0.0018 J	0.0029	0.00054	mg/kg	SW846 8270E
Arsenic [b]		6.7	1.1		mg/kg	SW846 6020A
Barium [c]		237	0.28		mg/kg	SW846 6020A
Cadmium [c]		0.29	0.14		mg/kg	SW846 6020A
Copper [b]		14.4	1.1		mg/kg	SW846 6020A
Lead [c]		11.6	0.28		mg/kg	SW846 6020A
Nickel [b]		17.8	1.1		mg/kg	SW846 6020A
Selenium [b]		5.4	1.1		mg/kg	SW846 6020A
Zinc [b]		56.1	1.1		mg/kg	SW846 6020A
pH		7.69			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.63	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72085-1A	**FL01R-W@4'**					
Calcium		35.9	4.0		mg/l	SW846 6010C
Magnesium		23.7	2.0		mg/l	SW846 6010C
Sodium		41.5	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [d]		1.32			ratio	USDA HANDBOOK 60
DA72085-1B	**FL01R-W@4'**					
No hits reported in this sample.						
DA72085-2	**FL01R-S@7'**					
Arsenic [b]		4.5	0.57		mg/kg	SW846 6020A
Barium [c]		138	0.28		mg/kg	SW846 6020A
Cadmium [c]		0.30	0.14		mg/kg	SW846 6020A
Copper [b]		9.9	0.57		mg/kg	SW846 6020A
Lead [c]		7.9	0.28		mg/kg	SW846 6020A
Nickel [b]		11.3	0.57		mg/kg	SW846 6020A
Selenium [b]		3.2	0.57		mg/kg	SW846 6020A
Zinc [b]		35.7	0.57		mg/kg	SW846 6020A
pH		8.00			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.26	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA72085-2A	**FL01R-S@7'**					
Calcium		31.7	4.0		mg/l	SW846 6010C
Magnesium		8.78	2.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA72085
Account: Chevron USA, Inc.
Project: Schmerge 44-4
Collected: 05/01/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium		14.7	4.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [d]		0.595			ratio	USDA HANDBOOK 60

DA72085-2B **FL01R-S@7'**

No hits reported in this sample.

(a) Analysis performed at SGS Scott, LA.
(b) Elevated reporting limit due to dilution required for internal standard failure. Analysis performed at SGS Scott, LA.
(c) Elevated reporting limit due to dilution required for matrix interference. Analysis performed at SGS Scott, LA.
(d) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	FL01R-W@4'		
Lab Sample ID:	DA72085-1	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
Method:	SW846 8260B	**Percent Solids:**	87.1
Project:	Schmerge 44-4		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6V59992.D	1	05/07/25 00:03	MB	n/a	n/a	V6V2896
Run #2							

	Initial Weight	Final Volume
Run #1	5.02 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00057	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	0.00057	mg/kg	
108-88-3	Toluene	ND	0.0023	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0023	0.00069	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0023	0.00057	mg/kg	
	m,p-Xylene	ND	0.0023	0.0021	mg/kg	
95-47-6	o-Xylene	ND	0.0023	0.00080	mg/kg	
1330-20-7	Xylene (total)	ND	0.0023	0.0021	mg/kg	
	TPH-GRO (C6-C10)	ND	0.23	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		65-135%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	94%		70-130%
17060-07-0	1,2-Dichloroethane-D4	112%		70-130%

(a) Soil was not collected to 5035 specifications.

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:	FL01R-W@4'		
Lab Sample ID:	DA72085-1	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
Method:	SW846 8270E SW846 3546	**Percent Solids:**	87.1
Project:	Schmerge 44-4		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L0058864.D	1	05/08/25 19:39	ALA	05/07/25 07:00	L:OP27683	L:EL1908
Run #2 [a]	L0058909.D	5	05/09/25 23:55	ALA	05/07/25 07:00	L:OP27683	L:EL1910

	Initial Weight	Final Volume
Run #1	20.1 g	10.0 ml
Run #2	20.1 g	10.0 ml

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0029	0.00070	mg/kg	
120-12-7	Anthracene	ND	0.0029	0.00089	mg/kg	
56-55-3	Benzo(a)anthracene	0.0014	0.0029	0.00077	mg/kg	J
50-32-8	Benzo(a)pyrene	ND [b]	0.014	0.0027	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND [b]	0.014	0.0030	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND [b]	0.014	0.0040	mg/kg	
218-01-9	Chrysene	0.00086	0.0029	0.00049	mg/kg	J
53-70-3	Dibenzo(a,h)anthracene	ND [b]	0.014	0.0032	mg/kg	
206-44-0	Fluoranthene	0.0019	0.0029	0.00079	mg/kg	J
86-73-7	Fluorene	ND	0.0029	0.00047	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND [b]	0.014	0.0068	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0029	0.00087	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0029	0.00060	mg/kg	
91-20-3	Naphthalene	ND	0.0029	0.0016	mg/kg	
129-00-0	Pyrene	0.0018	0.0029	0.00054	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	90%	103%	24-123%
321-60-8	2-Fluorobiphenyl	94%	114% [c]	32-112%
1718-51-0	Terphenyl-d14	125% [d]	119% [c]	41-115%

(a) Analysis performed at SGS Scott, LA.
(b) Result is from Run# 2
(c) Outside control limits due to dilution. Analytes associated with this surrogate are ND.
(d) Outside control limits biased high. Sample is ND.

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

Report of Analysis

Client Sample ID:	FL01R-W@4'		
Lab Sample ID:	DA72085-1	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	87.1
Project:	Schmerge 44-4		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP079969.D	1	05/02/25 18:05	JB	05/01/25 23:50	OP27591	GFP2400
Run #2							

	Initial Weight	Final Volume
Run #1	5.3 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.4	4.1	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.5	5.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	70%		20-155%

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:	FL01R-W@4'		
Lab Sample ID:	DA72085-1	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
		Percent Solids:	87.1
Project:	Schmerge 44-4		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	6.7	1.1	mg/kg	10	05/03/25	05/05/25	ALA	SW846 6020A [2]	SW846 3050B [3]
Barium [b]	237	0.28	mg/kg	2.5	05/03/25	05/05/25	ALA	SW846 6020A [1]	SW846 3050B [3]
Cadmium [b]	0.29	0.14	mg/kg	2.5	05/03/25	05/05/25	ALA	SW846 6020A [1]	SW846 3050B [3]
Copper [a]	14.4	1.1	mg/kg	10	05/03/25	05/05/25	ALA	SW846 6020A [2]	SW846 3050B [3]
Lead [b]	11.6	0.28	mg/kg	2.5	05/03/25	05/05/25	ALA	SW846 6020A [1]	SW846 3050B [3]
Nickel [a]	17.8	1.1	mg/kg	10	05/03/25	05/05/25	ALA	SW846 6020A [2]	SW846 3050B [3]
Selenium [a]	5.4	1.1	mg/kg	10	05/03/25	05/05/25	ALA	SW846 6020A [2]	SW846 3050B [3]
Silver [b]	< 0.28	0.28	mg/kg	2.5	05/03/25	05/05/25	ALA	SW846 6020A [1]	SW846 3050B [3]
Zinc [a]	56.1	1.1	mg/kg	10	05/03/25	05/05/25	ALA	SW846 6020A [2]	SW846 3050B [3]

(1) Instrument QC Batch: L:MA29815
(2) Instrument QC Batch: L:MA29820
(3) Prep QC Batch: L:MP30515

(a) Elevated reporting limit due to dilution required for internal standard failure. Analysis performed at SGS Scott, LA.
(b) Elevated reporting limit due to dilution required for matrix interference. Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-W@4'		
Lab Sample ID:	DA72085-1	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
		Percent Solids:	87.1
Project:	Schmerge 44-4		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	87.1		%	1	05/02/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	7.69		su	1	05/09/25 10:00	TH	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.63	0.0010	mmhos/cm	1	05/09/25 12:00	EH	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.47	0.47	mg/kg	1	05/13/25 19:48	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-W@4'		
Lab Sample ID:	DA72085-1A	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
		Percent Solids:	87.1
Project:	Schmerge 44-4		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	35.9	4.0	mg/l	1	05/14/25	05/15/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	23.7	2.0	mg/l	1	05/14/25	05/15/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	41.5	4.0	mg/l	1	05/14/25	05/15/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19092
(2) Prep QC Batch: MP41224

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-W@4'		
Lab Sample ID:	DA72085-1A	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
		Percent Solids:	87.1
Project:	Schmerge 44-4		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.32		ratio	1	05/15/25 00:14	CDL	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-W@4'		
Lab Sample ID:	DA72085-1B	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
		Percent Solids:	87.1
Project:	Schmerge 44-4		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	05/07/25	05/14/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19089
(2) Prep QC Batch: MP41180

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-S@7'		
Lab Sample ID:	DA72085-2	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
Method:	SW846 8260B	**Percent Solids:**	87.9
Project:	Schmerge 44-4		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	6V60000.D	1	05/07/25 03:02	MB	n/a	n/a	V6V2896
Run #2							

	Initial Weight	Final Volume
Run #1	5.12 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00056	mg/kg	
100-41-4	Ethylbenzene	ND	0.0022	0.00056	mg/kg	
108-88-3	Toluene	ND	0.0022	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0022	0.00067	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0022	0.00056	mg/kg	
	m,p-Xylene	ND	0.0022	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0022	0.00078	mg/kg	
1330-20-7	Xylene (total)	ND	0.0022	0.0020	mg/kg	
	TPH-GRO (C6-C10)	ND	0.22	0.11	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		65-135%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%
17060-07-0	1,2-Dichloroethane-D4	108%		70-130%

(a) Soil was not collected to 5035 specifications.

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:	FL01R-S@7'		
Lab Sample ID:	DA72085-2	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
Method:	SW846 8270E SW846 3546	**Percent Solids:**	87.9
Project:	Schmerge 44-4		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	L0058865.D	1	05/08/25 20:05	ALA	05/07/25 07:00	L:OP27683	L:EL1908
Run #2 [a]	L0058910.D	5	05/10/25 00:20	ALA	05/07/25 07:00	L:OP27683	L:EL1910

	Initial Weight	Final Volume
Run #1	20.0 g	10.0 ml
Run #2	20.0 g	10.0 ml

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0028	0.00070	mg/kg	
120-12-7	Anthracene	ND	0.0028	0.00088	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0028	0.00077	mg/kg	
50-32-8	Benzo(a)pyrene	ND [b]	0.014	0.0026	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND [b]	0.014	0.0030	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND [b]	0.014	0.0040	mg/kg	
218-01-9	Chrysene	ND	0.0028	0.00049	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND [b]	0.014	0.0032	mg/kg	
206-44-0	Fluoranthene	ND	0.0028	0.00078	mg/kg	
86-73-7	Fluorene	ND	0.0028	0.00047	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND [b]	0.014	0.0068	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0028	0.00086	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0028	0.00060	mg/kg	
91-20-3	Naphthalene	ND	0.0028	0.0016	mg/kg	
129-00-0	Pyrene	ND	0.0028	0.00053	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	94%	116%	24-123%
321-60-8	2-Fluorobiphenyl	98%	125% [c]	32-112%
1718-51-0	Terphenyl-d14	128% [d]	132% [c]	41-115%

(a) Analysis performed at SGS Scott, LA.
(b) Result is from Run# 2
(c) Outside control limits due to dilution. Analytes associated with this surrogate are ND.
(d) Outside control limits biased high. Sample is ND.

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:	FL01R-S@7'		
Lab Sample ID:	DA72085-2	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	87.9
Project:	Schmerge 44-4		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP079970.D	1	05/02/25 18:20	JB	05/01/25 23:50	OP27591	GFP2400
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.2	4.0	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.3	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	65%		20-155%

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:	FL01R-S@7'		
Lab Sample ID:	DA72085-2	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
		Percent Solids:	87.9
Project:	Schmerge 44-4		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic [a]	4.5	0.57	mg/kg	5	05/03/25	05/05/25	ALA	SW846 6020A [2]	SW846 3050B [3]
Barium [b]	138	0.28	mg/kg	2.5	05/03/25	05/05/25	ALA	SW846 6020A [1]	SW846 3050B [3]
Cadmium [b]	0.30	0.14	mg/kg	2.5	05/03/25	05/05/25	ALA	SW846 6020A [1]	SW846 3050B [3]
Copper [a]	9.9	0.57	mg/kg	5	05/03/25	05/05/25	ALA	SW846 6020A [2]	SW846 3050B [3]
Lead [b]	7.9	0.28	mg/kg	2.5	05/03/25	05/05/25	ALA	SW846 6020A [1]	SW846 3050B [3]
Nickel [a]	11.3	0.57	mg/kg	5	05/03/25	05/05/25	ALA	SW846 6020A [2]	SW846 3050B [3]
Selenium [a]	3.2	0.57	mg/kg	5	05/03/25	05/05/25	ALA	SW846 6020A [2]	SW846 3050B [3]
Silver [b]	< 0.28	0.28	mg/kg	2.5	05/03/25	05/05/25	ALA	SW846 6020A [1]	SW846 3050B [3]
Zinc [a]	35.7	0.57	mg/kg	5	05/03/25	05/05/25	ALA	SW846 6020A [2]	SW846 3050B [3]

(1) Instrument QC Batch: L:MA29815
(2) Instrument QC Batch: L:MA29820
(3) Prep QC Batch: L:MP30515

(a) Elevated reporting limit due to dilution required for internal standard failure. Analysis performed at SGS Scott, LA.
(b) Elevated reporting limit due to dilution required for matrix interference. Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-S@7'		
Lab Sample ID:	DA72085-2	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
		Percent Solids:	87.9
Project:	Schmerge 44-4		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	87.9		%	1	05/02/25	JB	SM2540G-2011 M
pH-saturated paste method							
pH	8.00		su	1	05/09/25 10:00	TH	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.26	0.0010	mmhos/cm	1	05/09/25 12:00	EH	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	05/13/25 20:04	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-S@7'		
Lab Sample ID:	DA72085-2A	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
		Percent Solids:	87.9
Project:	Schmerge 44-4		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	31.7	4.0	mg/l	1	05/14/25	05/15/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	8.78	2.0	mg/l	1	05/14/25	05/15/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	14.7	4.0	mg/l	1	05/14/25	05/15/25	CDL	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19092
(2) Prep QC Batch: MP41224

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-S@7'		
Lab Sample ID:	DA72085-2A	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
		Percent Solids:	87.9
Project:	Schmerge 44-4		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.595		ratio	1	05/15/25 00:17	CDL	USDA HANDBOOK 60

(a) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FL01R-S@7'		
Lab Sample ID:	DA72085-2B	**Date Sampled:**	05/01/25
Matrix:	SO - Soil	**Date Received:**	05/01/25
		Percent Solids:	87.9
Project:	Schmerge 44-4		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.50	0.50	mg/l	1	05/07/25	05/14/25	CDL	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19089
(2) Prep QC Batch: MP41180

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS

CHAIN OF CUSTODY

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

Page 1 of 1

Bottle Order Control #	FED-EX Tracking #
SGS Quote #	**SGS Job #** DA72085

Client / Reporting Information		Project Information		Billing Information (if different from Report to)	
Company:	Tasman	Project Name:	Schmerge 44-4		
		Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐			
Street:	4725 Independence St.	Street:		Company:	PDC Energy Inc.
City, State ZIP:	Wheat Ridge, CO 80033	City, State ZIP:		Street Address:	4000 Burlington Ave.
Project Contact:		Project #:	123 - 23143 (38713)	City, State ZIP:	Evans, CO 80620
Phone:	(972) 834 - 6036	Client Purchase Order #:	UWWE - A440L- AES		
Email:	tas-chevron-1@tasman-geo.com; RBUEUF27@chevron.com				
Sampler(s) Name(s):	Jess O'Neal	Project Manager:	Andy Sagen	Attention:	Karen Olson

Requested Analysis (see TEST CODE sheet)

Field ID / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	Na2SO3	**Metals (specify):	Metals-915	VOC-915	TPH-915	PAH-915	SAR, EC, pH	Boron-HWS	LAB USE ONLY
FLOIR-W@4'	5/1/25	1222	JA,JO	SO	3	3											X	X	X	X	X	X	C1
FLOIR-S@7'	5/1/25	1125	JA,JO	SO	3	3											X	X	X	X	X	X	C2

(Collection / Number of preserved Bottles)

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
D=dissolved metals
PD=Potentially dissolved
TR=Total recoverable

Turnaround Time (Business days)

- ☒ 10 Business Days
- ☐ 5 Business Days
- ☐ 3 Business Days RUSH
- ☐ 2 Business Days RUSH
- ☐ 1 Business Day EMERGENCY

Emergency & Rush T/A data available via Email or 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 (Results/QC Summary/partial raw data)
- ☐ FULT1
- ☒ EDD Format Tasman

Comments / Special Instructions

Metals: specify metal(s), method, and type (D, PD, TR)

Sample Custody must be documented below each time samples change possession, including courier, Fed Ex, USP, USPS delivery. HD

Relinquished by Sampler/Affiliation:	Date/Time:	Received By/Affiliation:	Relinquished By/Affiliation:	Date/Time:	Received By/Affiliation:
1 [signature]	5/1/25 1531	1 [signature]	2		2
Relinquished by/Affiliaction: 3	Date/Time:	Received By/Affiliation: 3	Relinquished By/Affiliation: 4	Date/Time:	Received By/Affiliation: 4
Custody Seal #: Intact ☑ Not intact ☐ Absent ☐		Preserved where applicable ☑	Cooler Temp. °C (corrected): 2.1 Therm. ID: DA	On Ice ☑	http://www.sgs.com/en/terms-and-conditions

FORM: EHSA-QAC-0027-03-FORM-Wheat Ridge - COC; RV 2/20/2025

4.1

4

DA72085: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: da72085 **Client:** TASMAN **Project:** SCHMERGE 44-4

Date / Time Received: 5/1/2025 3:31:00 PM **Delivery Method:** hd **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (2.1);

Cooler Temps (Corrected) °C: Cooler 1: (2.1);

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

Test Strip Lot #s: pH 0-3: pH 10-12:

Residual Chlorine Test Strip Lot

Number of Lab Filtered Metals

Other: (Specify)

Comments

SM001
Rev. Date 05/04/17

Technician: JEREMYD Date: 5/1/2025 4:01:34 PM Reviewer: Date:

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: DA72085
Account: CHEVRCOG Chevron USA, Inc.
Project: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2896-MB	6V59990.D	1	05/06/25	MB	n/a	n/a	V6V2896

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

DA72085-1, DA72085-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/kg	
108-88-3	Toluene	ND	2.0	1.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.60	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.50	ug/kg	
	m,p-Xylene	ND	2.0	1.8	ug/kg	
95-47-6	o-Xylene	ND	2.0	0.70	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	1.8	ug/kg	
	TPH-GRO (C6-C10)	ND	200	100	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	65-135%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	94%	70-130%
17060-07-0	1,2-Dichloroethane-D4	108%	70-130%

Blank Spike Summary

Job Number: DA72085
Account: CHEVRCOG Chevron USA, Inc.
Project: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2896-BS	6V59988.D	1	05/06/25	MB	n/a	n/a	V6V2896

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

DA72085-1, DA72085-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	1940	97	45-148

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	85%	65-135%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%
17060-07-0	1,2-Dichloroethane-D4	99%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA72085
Account: CHEVRCOG Chevron USA, Inc.
Project: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2896-BS	6V60015.D	1	05/07/25	MB	n/a	n/a	V6V2896

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

DA72085-1, DA72085-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	49.3	44.5	90	70-130
100-41-4	Ethylbenzene	49.3	45.6	92	70-130
108-88-3	Toluene	49.3	44.1	89	70-130
95-63-6	1,2,4-Trimethylbenzene	49.3	48.8	99	70-130
108-67-8	1,3,5-Trimethylbenzene	49.3	48.9	99	70-130
	m,p-Xylene	98.6	94.4	96	70-130
95-47-6	o-Xylene	49.3	47.5	96	70-130
1330-20-7	Xylene (total)	148	142	96	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	92%	65-135%
2037-26-5	Toluene-D8	102%	70-130%
460-00-4	4-Bromofluorobenzene	99%	70-130%
17060-07-0	1,2-Dichloroethane-D4	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72085
Account: CHEVRCOG Chevron USA, Inc.
Project: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA72084-1MS [a]	6V59993.D	1	05/07/25	MB	n/a	n/a	V6V2896
DA72084-1MSD [a]	6V59994.D	1	05/07/25	MB	n/a	n/a	V6V2896
DA72084-1 [a]	6V59991.D	1	05/06/25	MB	n/a	n/a	V6V2896

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

DA72085-1, DA72085-2

CAS No.	Compound	DA72084-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		54.8	48.6	89	55	47.3	86	3	30-130/30
100-41-4	Ethylbenzene	ND		54.8	44.9	82	55	44.3	81	1	12-132/30
108-88-3	Toluene	ND		54.8	47.8	87	55	46.5	85	3	23-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		54.8	42.2	77	55	45.4	83	7	5-144/30
108-67-8	1,3,5-Trimethylbenzene	ND		54.8	42.5	78	55	46.4	84	9	5-136/30
	m,p-Xylene	ND		110	92.9	85	110	92.7	84	0	10-130/30
95-47-6	o-Xylene	ND		54.8	47.4	86	55	46.9	85	1	11-133/30
1330-20-7	Xylene (total)	ND		164	140	85	165	140	85	0	11-131/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72084-1	Limits
1868-53-7	Dibromofluoromethane	95%	98%	102%	65-135%
2037-26-5	Toluene-D8	104%	105%	107%	70-130%
460-00-4	4-Bromofluorobenzene	102%	101%	94%	70-130%
17060-07-0	1,2-Dichloroethane-D4	104%	106%	118%	70-130%

(a) Soil was not collected to 5035 specifications.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72085
Account: CHEVRCOG Chevron USA, Inc.
Project: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA72085-1MS [a]	6V59995.D	1	05/07/25	MB	n/a	n/a	V6V2896
DA72085-1MSD [a]	6V59996.D	1	05/07/25	MB	n/a	n/a	V6V2896
DA72085-1 [a]	6V59992.D	1	05/07/25	MB	n/a	n/a	V6V2896

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

DA72085-1, DA72085-2

CAS No.	Compound	DA72085-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		2270	1250	55	2300	1290	56	3	5-148/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72085-1	Limits
1868-53-7	Dibromofluoromethane	97%	93%	96%	65-135%
2037-26-5	Toluene-D8	107%	104%	98%	70-130%
460-00-4	4-Bromofluorobenzene	99%	99%	94%	70-130%
17060-07-0	1,2-Dichloroethane-D4	105%	105%	112%	70-130%

(a) Soil was not collected to 5035 specifications.

* = 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: DA72085
Account: CHEVRCOG Chevron USA, Inc.
Project: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27591-MB	FP079955.D	1	05/02/25	JB	05/01/25	OP27591	GFP2400

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

DA72085-1, DA72085-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.0	3.8	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.0	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	68%	20-155%

Blank Spike Summary

Job Number: DA72085
Account: CHEVRCOG Chevron USA, Inc.
Project: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27591-BS	FP079956.D	1	05/02/25	JB	05/01/25	OP27591	GFP2400

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

DA72085-1, DA72085-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	170	85	41-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	68%	20-155%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA72085
Account: CHEVRCOG Chevron USA, Inc.
Project: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27591-BS2	FP079957.D	1	05/02/25	JB	05/01/25	OP27591	GFP2400

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

DA72085-1, DA72085-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	220	110	43-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	64%	20-155%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72085
Account: CHEVRCOG Chevron USA, Inc.
Project: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27591-MS1	FP079958.D	1	05/02/25	JB	05/01/25	OP27591	GFP2400
OP27591-MSD1	FP079959.D	1	05/02/25	JB	05/01/25	OP27591	GFP2400
DA72081-5	FP079962.D	1	05/02/25	JB	05/01/25	OP27591	GFP2400

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

DA72085-1, DA72085-2

CAS No.	Compound	DA72081-5 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		245	196	80	244	196	80	0	10-160/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72081-5	Limits
84-15-1	o-Terphenyl	62%	58%	57%	20-155%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA72085
Account: CHEVRCOG Chevron USA, Inc.
Project: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27591-MS2	FP079960.D	1	05/02/25	JB	05/01/25	OP27591	GFP2400
OP27591-MSD2	FP079961.D	1	05/02/25	JB	05/01/25	OP27591	GFP2400
DA72081-6	FP079963.D	1	05/02/25	JB	05/01/25	OP27591	GFP2400

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

DA72085-1, DA72085-2

CAS No.	Compound	DA72081-6 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-ORO (> C28-C36)	ND		248	267	108	224	249	111	7	10-170/30

CAS No.	Surrogate Recoveries	MS	MSD	DA72081-6	Limits
84-15-1	o-Terphenyl	60%	59%	62%	20-155%

* = 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: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41180
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/07/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	500	230	75		
Antimony	150	70	34		
Arsenic	130	110	23		
Barium	50	1.5	6.5		
Beryllium	50	5	6.5		
Boron	250	17	32	3.0	<250
Cadmium	50	9.5	6.5		
Calcium	2000	33	250		
Chromium	50	5.5	6.5		
Cobalt	25	14	3.2		
Copper	50	23	6.5		
Iron	350	45	60		
Lead	250	67	32		
Lithium	25	3	6.5		
Magnesium	1000	250	130		
Manganese	25	2.5	3.2		
Molybdenum	50	43	14		
Nickel	150	31	19		
Phosphorus	500	460	80		
Potassium	5000	420	630		
Selenium	250	150	110		
Silicon	1000	210	750		
Silver	150	3	19		
Sodium	2000	63	250		
Strontium	25	.5	3.2		
Thallium	50	85	22		
Tin	300	210	260		
Titanium	50	2.5	6.5		
Uranium	250	20	43		
Vanadium	50	4.5	6.5		
Zinc	150	45	19		

Associated samples MP41180: DA72085-1B, DA72085-2B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41180
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/07/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41180
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/07/25

Metal	DA72086-7B Original	DUP	RPD	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	134	131	2.3	0-20
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41180: DA72085-1B, DA72085-2B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41180 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/07/25

	DA72086-7B		QC
Metal	Original DUP	RPD	Limits

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41180
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/07/25

Metal	BSP Result	Spikelot ICPALL5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	8590	10000	85.9	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41180: DA72085-1B, DA72085-2B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41180 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/07/25

Metal	BSP Result	Spikelot ICPALL5	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41180 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/07/25

Metal	DA72086-7B Original	SDL 1:1	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	26.7	5.10	80.9 (a)	0-10
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41180: DA72085-1B, DA72085-2B

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41180 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/07/25

	DA72086-7B		QC
Metal	Original SDL 1:1	%DIF	Limits

(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1000	460	150		
Antimony	300	140	68		
Arsenic	250	220	46		
Barium	100	3	13		
Beryllium	100	10	13		
Boron	500	33	63		
Cadmium	100	19	13		
Calcium	4000	66	500	408	<4000
Chromium	100	11	13		
Cobalt	50	27	6.3		
Copper	100	46	13		
Iron	700	89	120		
Lead	500	130	63		
Lithium	50	6	13		
Magnesium	2000	500	250	74.0	<2000
Manganese	50	5	6.3		
Molybdenum	100	85	28		
Nickel	300	62	38		
Phosphorus	1000	910	160		
Potassium	10000	840	1300		
Selenium	500	300	220		
Silicon	2000	410	1500		
Silver	300	6	38		
Sodium	4000	130	500	4950	* (a)
Strontium	50	1	6.3		
Thallium	100	170	43		
Tin	600	410	510		
Titanium	100	5	13		
Uranium	500	39	85		
Vanadium	100	9	13		
Zinc	300	90	38		

Associated samples MP41224: DA72085-1A, DA72085-2A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41224 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/25

Metal	RL	IDL	MDL	MB raw	final

(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: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/25

Metal	DA72083-1A Original MS		Spikelot ICPMS5	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	87300	702000	625000	98.4	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	43300	667000	625000	99.8	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	39100	683000	625000	103.0	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP41224: DA72085-1A, DA72085-2A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41224 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/25

Metal	DA72083-1A Original MS	Spikelot ICPMS5	% Rec	QC Limits

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41224 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/25

Metal	DA72083-1A Original	MSD	Spikelot ICPMS5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	87300	699000	625000	97.9	0.4	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	43300	657000	625000	98.2	1.5	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	39100	672000	625000	101.3	1.6	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP41224: DA72085-1A, DA72085-2A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41224 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/25

Metal	DA72083-1A Original MSD	Spikelot ICPMS5	% Rec	MSD RPD	QC Limit

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/25

Metal	BSP Result	Spikelot ICPMS5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	639000	625000	102.2	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	637000	625000	101.9	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	663000	625000	106.1	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41224: DA72085-1A, DA72085-2A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/25

Metal	BSP Result	Spikelot ICPMS5	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41224
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 05/14/25

Metal	DA72083-1A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	8730	8580	1.6	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	4330	4300	0.9	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	3910	3850	1.5	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41224: DA72085-1A, DA72085-2A

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

QC Batch ID: MP41224 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 05/14/25

	DA72083-1A		QC
Metal	Original SDL 1:5	%DIF	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: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP38582/GN66903			mmhos/cm	xxxxxxxx	1.4	100.9	90-110%

Associated Samples:
Batch GP38582: DA72085-1, DA72085-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72085
Account: CHEVRCOG - Chevron USA, Inc.
Project: Schmerge 44-4

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP38582/GN66903	DA72086-7	mmhos/cm	0.58	0.58	0.3	0-20%

Associated Samples:
Batch GP38582: DA72085-1, DA72085-2
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Scott, LA)

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

Page 1 of 1

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

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA72085

Client / Reporting Information
Company Name: SGS North America Inc.
Street Address: 4036 Youngfield Street
City: Wheat Ridge, State: CO, Zip: 8003:
Project Contact / E-mail: terri.mcnulty@sgs.com
Phone #: 303-425-6021 Fax #:
Sampler(s) Name(s): JO Phone:

Project Information
Project Name: Schmerge 44-4
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	AGMS ,ASMS ,BAMS ,CCMS ,CUMS ,NIMS ,PBMS ,SEMS ,ZNMS	B8270PAH	LAB USE ONLY
1	FL01R-W@4'		5/1/25	12:22:00 PM	JO	SO										X	X	
2	FL01R-S@7'		5/1/25	11:25:00 AM	JO	SO										X	X	

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)
- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [x] other Due 5/7/2025

Approved By (SGS PM): / Date:

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

Data Deliverable Information
- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] REDT1 (Level 3)
- [ ] FULT1 (Level 4)
- [ ] Commercial "C"
- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [ ]
- [x] CC

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

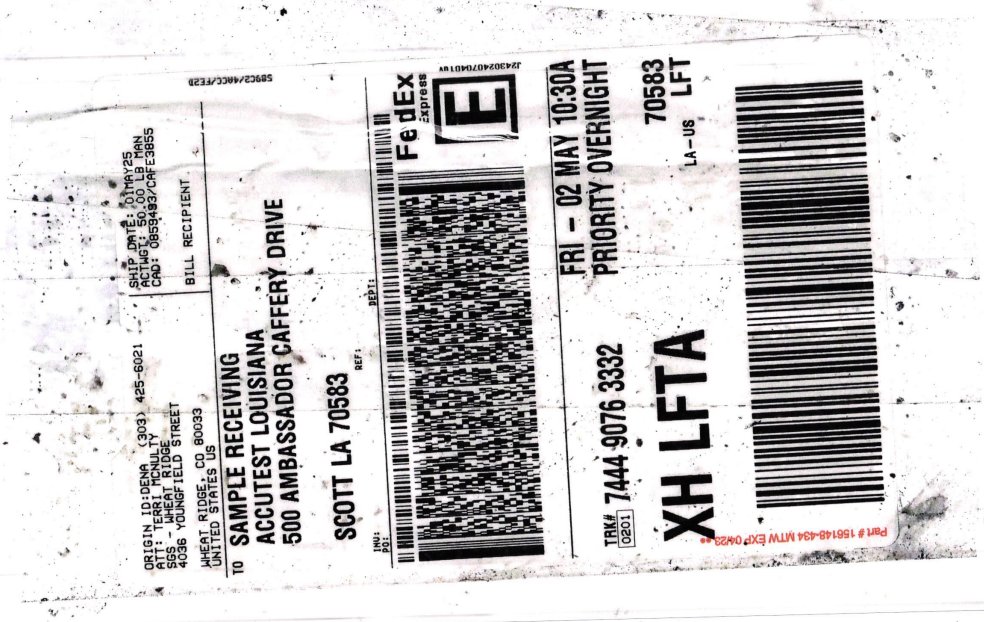
Comments / Special Instructions
RR84 (7B1)

http://www.sgs.com/en/terms-and-conditions

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		1 Fedex	2 Fedex	050225 0900	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 # BSW Lock	Intact / Not intact	Preserved where applicable; On Ice; Cooler Temp. 3.6 (Dw02); Therm. ID:

DA72085: Chain of Custody
Page 1 of 3
SGS Scott, LA



DA72085: Chain of Custody
Page 2 of 3

SGS Sample Receipt Summary

Job Number: da72085 **Client:** SGS CO. **Project:** SCMERGE 4 -4

Date / Time Received: 5/2/2025 9:20:00 AM **Delivery Method:** FEDEXPRESS **Airbill #'s:** 74490763332

Cooler Temps (Raw Measured) °C: Cooler 1: (3.6);

Cooler Temps (Corrected) °C: Cooler 1: (3.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IRGUN		
3. Cooler media:	Ice (direct contact)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: _____ pH 12+: _____ Other: (Specify) _____ _____

Comments

SM089-03
Rev. Date 12/7/17

9.1

9

DA72085: Chain of Custody
Page 3 of 3

MS Semi-volatiles

QC Data Summaries

(SGS Scott, LA)

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA72085
Account: ALMS SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27683-MB	L0058797.D	1	05/07/25	BA	05/07/25	OP27683	EL1906

The QC reported here applies to the following samples: **Method:** SW846 8270E

DA72085-1, DA72085-2

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	2.5	0.62	ug/kg	
120-12-7	Anthracene	ND	2.5	0.78	ug/kg	
56-55-3	Benzo(a)anthracene	ND	2.5	0.68	ug/kg	
50-32-8	Benzo(a)pyrene	ND	2.5	0.47	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	2.5	0.52	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	2.5	0.71	ug/kg	
218-01-9	Chrysene	ND	2.5	0.43	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	2.5	0.57	ug/kg	
206-44-0	Fluoranthene	ND	2.5	0.69	ug/kg	
86-73-7	Fluorene	ND	2.5	0.41	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.5	1.2	ug/kg	
90-12-0	1-Methylnaphthalene	ND	2.5	0.76	ug/kg	
91-57-6	2-Methylnaphthalene	ND	2.5	0.53	ug/kg	
91-20-3	Naphthalene	ND	2.5	1.4	ug/kg	
129-00-0	Pyrene	ND	2.5	0.47	ug/kg	

CAS No.	Surrogate Recoveries		Limits
4165-60-0	Nitrobenzene-d5	120%	24-123%
321-60-8	2-Fluorobiphenyl	105%	32-112%
1718-51-0	Terphenyl-d14	111%	41-115%

Blank Spike/Blank Spike Duplicate Summary

Job Number: DA72085
Account: ALMS SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27683-BS	L0058800.D	1	05/07/25	BA	05/07/25	OP27683	EL1906
OP27683-BSD	L0058801.D	1	05/07/25	BA	05/07/25	OP27683	EL1906

The QC reported here applies to the following samples: **Method:** SW846 8270E

DA72085-1, DA72085-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	250	239	96	268	107* [a]	11	68-102/15
120-12-7	Anthracene	250	189	76	213	85	12	70-105/16
56-55-3	Benzo(a)anthracene	250	216	86	248	99	14	66-102/16
50-32-8	Benzo(a)pyrene	250	223	89	258	103	15	69-110/16
205-99-2	Benzo(b)fluoranthene	250	232	93	262	105	12	66-109/18
207-08-9	Benzo(k)fluoranthene	250	242	97	278	111* [a]	14	68-110/17
218-01-9	Chrysene	250	242	97	278	111* [a]	14	66-104/16
53-70-3	Dibenzo(a,h)anthracene	250	190	76	270	108	35* [b]	68-108/16
206-44-0	Fluoranthene	250	236	94	271	108	14	70-108/17
86-73-7	Fluorene	250	234	94	266	106* [a]	13	69-104/16
193-39-5	Indeno(1,2,3-cd)pyrene	250	194	78	273	109* [a]	34* [b]	68-108/16
90-12-0	1-Methylnaphthalene	250	246	98	280	112* [a]	13	70-102/15
91-57-6	2-Methylnaphthalene	250	245	98	282	113* [a]	14	70-102/14
91-20-3	Naphthalene	250	233	93	266	106* [a]	13	68-100/14
129-00-0	Pyrene	250	229	92	255	102	11	67-107/16

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	103%	105%	24-123%
321-60-8	2-Fluorobiphenyl	94%	108%	32-112%
1718-51-0	Terphenyl-d14	99%	113%	41-115%

(a) Outside laboratory control limits but within reasonable method acceptance limits.
(b) Analytical precision exceeds laboratory control limits.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: DA72085
Account: ALMS SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27683-MS	L0058805.D	1	05/07/25	BA	05/07/25	OP27683	EL1906
DA72079-13	L0058804.D	1	05/07/25	BA	05/07/25	OP27683	EL1906

The QC reported here applies to the following samples: **Method:** SW846 8270E

DA72085-1, DA72085-2

CAS No.	Compound	DA72079-13 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
83-32-9	Acenaphthene	ND		303	286	94	41-115
120-12-7	Anthracene	ND		303	225	74	48-111
56-55-3	Benzo(a)anthracene	ND		303	277	91	47-106
50-32-8	Benzo(a)pyrene	ND		303	275	91	49-115
205-99-2	Benzo(b)fluoranthene	ND		303	280	92	45-114
207-08-9	Benzo(k)fluoranthene	ND		303	298	98	47-114
218-01-9	Chrysene	ND		303	291	96	47-109
53-70-3	Dibenzo(a,h)anthracene	ND		303	298	98	48-112
206-44-0	Fluoranthene	ND		303	289	95	47-118
86-73-7	Fluorene	ND		303	272	90	37-121
193-39-5	Indeno(1,2,3-cd)pyrene	ND		303	298	98	47-113
90-12-0	1-Methylnaphthalene	ND		303	296	98	39-122
91-57-6	2-Methylnaphthalene	ND		303	295	97	44-117
91-20-3	Naphthalene	ND		303	276	91	34-125
129-00-0	Pyrene	ND		303	282	93	42-120

CAS No.	Surrogate Recoveries	MS	DA72079-13	Limits
4165-60-0	Nitrobenzene-d5	95%	97%	24-123%
321-60-8	2-Fluorobiphenyl	93%	93%	32-112%
1718-51-0	Terphenyl-d14	102%	106%	41-115%

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

(SGS Scott, LA)

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: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

QC Batch ID: MP30515
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 05/03/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.014	4.3		
Antimony	0.10	.00022	.049		
Arsenic	0.10	.00079	.041	0.00040	<0.10
Barium	0.10	.00041	.059	0.00010	<0.10
Beryllium	0.10	.00035	.053		
Boron	2.0	.043	.59		
Cadmium	0.050	.00016	.035	0.0	<0.050
Calcium	10	.43	4.7		
Cerium	0.10	.00015	.056		
Chromium	0.10	.0016	.036		
Cobalt	0.10	.00016	.05		
Copper	0.10	.0008	.07	0.0088	<0.10
Iron	10	.0097	4.2		
Lithium	0.20	.0012	.032		
Lead	0.10	.001	.056	0.00010	<0.10
Lanthanum	0.10	.00017	.053		
Magnesium	10	.016	3.6		
Manganese	0.10	.00091	.038		
Molybdenum	0.10	.00038	.028		
Nickel	0.10	.00038	.05	-0.00060	<0.10
Potassium	10	.25	6		
Selenium	0.10	.015	.015	0.014	<0.10
Silver	0.10	.00024	.017	-0.00010	<0.10
Silicon	50	.42	5.4		
Sodium	10	.22	3.3		
Strontium	0.10	.00054	.043		
Thallium	0.10	.00023	.057		
Tin	0.10	.002	.0065		
Titanium	0.20	.0021	.071		
Uranium	0.10	.00019	.039		
Vanadium	0.10	.00087	.023		
Zinc	0.10	.0017	.01	0.00090	<0.10

Associated samples MP30515: DA72085-1, DA72085-2

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

QC Batch ID: MP30515 Methods: SW846 6020A
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/03/25

Metal	RL	IDL	MDL	MB raw	final

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: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

QC Batch ID: MP30515
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 05/03/25

Metal	DA72081-3 Original	MS	Spikelot MPICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	3.0	14.5	12.6	91.1	75-125
Barium	89.2	79.3	12.6	-103.0(a	75-125
Beryllium					
Boron					
Cadmium	0.10	12.5	12.6	98.2	75-125
Calcium					
Cerium					
Chromium					
Cobalt					
Copper	3.4	16.0	12.6	99.8	75-125
Iron					
Lithium					
Lead	6.1	16.8	12.6	86.3	75-125
Lanthanum					
Magnesium					
Manganese					
Molybdenum					
Nickel	4.0	16.7	12.6	100.6	75-125
Potassium					
Selenium	4.1	62.7	63.1	92.8	75-125
Silver	0.022	13.0	12.6	102.8	75-125
Silicon					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	19.3	34.5	12.6	120.4	75-125

Associated samples MP30515: DA72085-1, DA72085-2

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

QC Batch ID: MP30515 Methods: SW846 6020A
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/03/25

	DA72081-3	Spikelot	QC
Metal	Original MS	MPICPMS6 % Rec	Limits

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: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

QC Batch ID: MP30515
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 05/03/25

Metal	DA72081-3 Original	MSD	Spikelot MPICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	3.0	14.7	12.6	92.7	1.4	20
Barium	89.2	76.3	12.6	-126.7(a	3.9	20
Beryllium						
Boron						
Cadmium	0.10	12.3	12.6	96.6	1.6	20
Calcium						
Cerium						
Chromium						
Cobalt						
Copper	3.4	16.2	12.6	101.4	1.2	20
Iron						
Lithium						
Lead	6.1	17.1	12.6	88.7	1.8	20
Lanthanum						
Magnesium						
Manganese						
Molybdenum						
Nickel	4.0	16.4	12.6	98.2	1.8	20
Potassium						
Selenium	4.1	61.3	63.1	90.6	2.3	20
Silver	0.022	12.7	12.6	100.4	2.3	20
Silicon						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	19.3	32.7	12.6	106.1	5.4	20

Associated samples MP30515: DA72085-1, DA72085-2

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

QC Batch ID: MP30515 Methods: SW846 6020A
Matrix Type: SOLID Units: mg/kg

Prep Date: 05/03/25

	DA72081-3	Spikelot	MSD	QC
Metal	Original MSD	MPICPMS6 % Rec	RPD	Limit

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: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

QC Batch ID: MP30515
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 05/03/25

Metal	LCS Result	Spikelot LCSMET25	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	176	192	91.7	81-119
Barium	187	219	85.4	82-118
Beryllium				
Boron				
Cadmium	109	114	95.6	82-118
Calcium				
Cerium				
Chromium				
Cobalt				
Copper	82.4	91.2	90.4	83-117
Iron				
Lithium				
Lead	136	141	96.5	82-118
Lanthanum				
Magnesium				
Manganese				
Molybdenum				
Nickel	133	143	93.0	82-119
Potassium				
Selenium	90.5	94.7	95.6	78-121
Silver	76.5	77	99.4	79-121
Silicon				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	267	292	91.4	80-120

Associated samples MP30515: DA72085-1, DA72085-2

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

QC Batch ID: MP30515
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 05/03/25

Metal	LCS Result	Spikelot LCSMET25 % Rec	QC Limits

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

QC Batch ID: MP30515
Matrix Type: SOLID

Methods: SW846 6020A
Units: ug/l

Prep Date: 05/03/25

Metal	DA72081-3 Original	SDL 2.5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	24.1	27.8	15.6*(a)	0-10
Barium	707	714	2.3	0-10
Beryllium				
Boron				
Cadmium	0.815	0.775	4.9	0-10
Calcium				
Cerium				
Chromium				
Cobalt				
Copper	26.7	29.0	8.7	0-10
Iron				
Lithium				
Lead	48.7	48.2	3.9	0-10
Lanthanum				
Magnesium				
Manganese				
Molybdenum				
Nickel	31.4	32.9	4.9	0-10
Potassium				
Selenium	32.6	26.5	18.6 (b)	0-10
Silver	0.178	0.139	21.9 (b)	0-10
Silicon				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	153	167	9.4	0-10

Associated samples MP30515: DA72085-1, DA72085-2

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

QC Batch ID: MP30515 Methods: SW846 6020A
Matrix Type: SOLID Units: ug/l

Prep Date: 05/03/25

Metal	DA72081-3 Original SDL 2.5:12.5%DIF	QC Limits

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

SO

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

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA72085

Client / Reporting Information	Project Information	Billing Information (if different from Report to)
Company Name: SGS North America Inc.	Project Name: Schmerge 44-4	
Street Address: 4036 Youngfield Street	Street	
City State Zip: Wheat Ridge, CO 8003:	City State	Company Name
Project Contact E-mail: terri.mcnulty@sgs.com	Project #	Street Address
Phone # Fax #: 303-425-6021	Client Purchase Order #	City State Zip
Sampler(s) Name(s) Phone: JO	Project Manager	Attention:

Requested Analysis (see TEST CODE sheet)

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

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1	FL01R-W@4'		5/1/25	12:22:00 PM	JO	SO										X	D4T2
2	FL01R-S@7'		5/1/25	11:25:00 AM	JO	SO										X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [x] other Due 5/7/2025

Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] REDT1 (Level 3)
- [ ] FULT1 (Level 4)
- [ ] Commercial "C"
- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [x] CC

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

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		1 Fed Ex	2 Fed Ex	5/2/25 10:30	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp.
5		5	☐ Intact ☐ Not intact	☐ Therm. ID:	☐ 4.7

FA-50

12.1 12

DA72085: Chain of Custody
Page 1 of 3
SGS Dayton, NJ

SGS Sample Receipt Summary

Job Number: DA72085 **Client:** _____ **Project:** _____

Date / Time Received: 5/2/2025 10:30:00 AM **Delivery Method:** FED EX **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (4.7);

Cooler Temps (Corrected) °C: Cooler 1: (5.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify) _____ _____

Comments

SM089-03
Rev. Date 12/7/17

12.1
12

DA72085: Chain of Custody
Page 2 of 3

SO

CHAIN OF CUSTODY

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TEL: 303-425-6021 FAX: 303-425-6854
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA72085

Client / Reporting Information	Project Information	Billing Information (if different from Report to)
Company Name: SGS North America Inc.	Project Name: Schmerge 44-4	
Street Address: 4036 Youngfield Street	Street	Company Name
City State Zip: Wheat Ridge, CO 8003:	City State	Street Address
Project Contact E-mail: terri.mcnulty@sgs.com	Project #	City State Zip
Phone # Fax #: 303-425-6021	Client Purchase Order #	Attention:
Sampler(s) Name(s) Phone: JO	Project Manager	

Requested Analysis (see TEST CODE sheet)

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

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1	FL01R-W@4'		5/1/25	12:22:00 PM	JO	SO										X	D4T2
2	FL01R-S@7'		5/1/25	11:25:00 AM	JO	SO										X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [x] other Due 5/7/2025

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- [ ] REDT1 (Level 3)
- [ ] FULT1 (Level 4)
- [ ] Commercial "C"
- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [x] QC

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Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

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1		1 Fed Ex	2 Fed Ex	5/2/25 10:30	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Preserved where applicable	On Ice / Cooler Temp.
5		5	☐ Intact ☐ Not intact	☐ Therm. ID:	☐ 4.7

FA-50

12.1 12

DA72085: 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: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP60998/GN68216	0.40	0.0	mg/kg	40	39.9	99.8(a)	80-120%
Chromium, Hexavalent	GP60998/GN68216			mg/kg	901	870	96.6(b)	80-120%

Associated Samples:
Batch GP60998: DA72085-1, DA72085-2
(*) Outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (104.1%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP60998/GN68216	DA72055-3	mg/kg	0.33	0.0	200.0(a)	0-20%

Associated Samples:
Batch GP60998: DA72085-1, DA72085-2
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA72085
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: Schmerge 44-4

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP60998/GN68216	DA72055-3	mg/kg	0.33	41.2	42.5	102.4(a)	75-125%
Chromium, Hexavalent	GP60998/GN68216	DA72055-3	mg/kg	0.33	935	897	95.9(b)	75-125%

Associated Samples:
Batch GP60998: DA72085-1, DA72085-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (104.1%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.