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Automated Report

Technical Report for

Chevron USA, Inc.

TASMCOA: Ritchey 1-27 1

10650

SGS Job Number: DA77503

Sampling Date: 11/21/25

Report to:

Chevron USA, Inc.
2115 117th Avenue
Greeley, CO 80634
nam.ehs.table915@sgs.com

ATTN: AJ Englehardt

Total number of pages in report: 68



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: Joseph Rhoades 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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START SURVEY



January 22, 2026

AJ Englehardt
Chevron USA, Inc
2115 117th Avenue
Greeley CO 80634

Subject: Report Reissue for SGS Job: DA77503

Dear AJ Englehardt,

The report has been reissued by SGS to change the project name to Ritchey 1-27 1, which previously did not include the space between the 27 & the 1.

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,

A handwritten signature in blue ink that reads 'Joseph Rhoades'. The signature is fluid and cursive, with a long horizontal stroke at the end.

Joseph Rhoades
Project Manager II

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Sample Summary

Chevron USA, Inc.

Job No: DA77503

TASMCOA: Ritchey 1-27 1
 Project No: 10650

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
DA77503-1	11/21/25	09:22 KE	11/21/25	SO	Soil	FL01-07@4'
DA77503-1A	11/21/25	09:22 KE	11/21/25	SO	Soil	FL01-07@4'
DA77503-1B	11/21/25	09:22 KE	11/21/25	SO	Soil	FL01-07@4'
DA77503-1C	11/21/25	09:22 KE	11/21/25	SO	Soil	FL01-07@4'
DA77503-2	11/21/25	11:48 KE	11/21/25	SO	Soil	BKG01@4'
DA77503-2A	11/21/25	11:48 KE	11/21/25	SO	Soil	BKG01@4'
DA77503-2B	11/21/25	11:48 KE	11/21/25	SO	Soil	BKG01@4'

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

Summary of Hits

Job Number: DA77503
Account: Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1
Collected: 11/21/25

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

DA77503-1 FL01-07@4'

No hits reported in this sample.

DA77503-1A FL01-07@4'

Calcium	794	6.0		mg/l	SW846 6010C
Magnesium	372	3.0		mg/l	SW846 6010C
Sodium	686	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio ^a	5.03			ratio	USDA HANDBOOK 60

DA77503-1B FL01-07@4'

Boron	0.534	0.50		mg/l	SW846 6010C
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DA77503-1C FL01-07@4'

Arsenic	1.8	0.20		mg/kg	SW846 6020B
Barium	62.0	2.0		mg/kg	SW846 6020B
Cadmium	0.11	0.10		mg/kg	SW846 6020B
Copper	7.2	2.0		mg/kg	SW846 6020B
Lead	4.5	0.50		mg/kg	SW846 6020B
Nickel	4.7	2.0		mg/kg	SW846 6020B
Selenium	0.24	0.20		mg/kg	SW846 6020B
Zinc	20.3	10		mg/kg	SW846 6020B
pH	7.73			su	WREP-125,4E-SATPASTE
Specific Conductivity	4.3	0.0010		mmhos/cm	SM 2510B-2011 MOD

DA77503-2 BKG01@4'

Arsenic	1.8	0.21		mg/kg	SW846 6020B
Barium	51.5	2.1		mg/kg	SW846 6020B
Copper	6.2	2.1		mg/kg	SW846 6020B
Lead	3.8	0.52		mg/kg	SW846 6020B
Nickel	4.4	2.1		mg/kg	SW846 6020B
Zinc	14.6	10		mg/kg	SW846 6020B
pH	7.94			su	WREP-125,4E-SATPASTE
Specific Conductivity	1.1	0.0010		mmhos/cm	SM 2510B-2011 MOD

DA77503-2A BKG01@4'

Calcium	66.3	6.0		mg/l	SW846 6010C
Magnesium	24.6	3.0		mg/l	SW846 6010C
Sodium	156	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio ^a	4.15			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA77503
Account: Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1
Collected: 11/21/25

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

DA77503-2B BKG01@4'

No hits reported in this sample.

(a) Calculated as: $(\text{Na meq/L}) / \text{sqrt} [(\text{Ca meq/L}) + (\text{Mg meq/L})/2]$

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: FL01-07@4'	
Lab Sample ID: DA77503-1	Date Sampled: 11/21/25
Matrix: SO - Soil	Date Received: 11/21/25
Method: SW846 8260D	Percent Solids: 88.9
Project: TASMCOA: Ritchey 1-27 1	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V41812.D	1	12/02/25 10:30	MB	n/a	n/a	V4V2031
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	5.01 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%
17060-07-0	1,2-Dichloroethane-D4	102%		70-130%

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

3.1
3

Client Sample ID: FL01-07@4'	
Lab Sample ID: DA77503-1	Date Sampled: 11/21/25
Matrix: SO - Soil	Date Received: 11/21/25
Method: SW846 8270E SW846 3570	Percent Solids: 88.9
Project: TASMCOA: Ritchey 1-27 1	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G006670.D	1	11/27/25 04:14	ZL	11/26/25 14:00	OP29389	E7G251
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0044	0.0044	mg/kg	
120-12-7	Anthracene	< 0.0044	0.0044	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0055	0.0055	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0044	0.0044	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0044	0.0044	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0044	0.0044	mg/kg	
218-01-9	Chrysene	< 0.0044	0.0044	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0044	0.0044	mg/kg	
206-44-0	Fluoranthene	< 0.0044	0.0044	mg/kg	
86-73-7	Fluorene	< 0.0044	0.0044	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0044	0.0044	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0044	0.0044	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0044	0.0044	mg/kg	
91-20-3	Naphthalene	< 0.0022	0.0022	mg/kg	
129-00-0	Pyrene	< 0.0044	0.0044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	109%		22-138%
4165-60-0	Nitrobenzene-d5	112%		32-143%
1718-51-0	Terphenyl-d14	106%		48-149%

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

3.1
3

Client Sample ID: FL01-07@4'	
Lab Sample ID: DA77503-1	Date Sampled: 11/21/25
Matrix: SO - Soil	Date Received: 11/21/25
Method: SW846-8015C SW846 3570	Percent Solids: 88.9
Project: TASMCOA: Ritchey 1-27 1	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FH083301.D	1	11/26/25 10:42	JB	11/25/25 08:00	OP29386	GFH24047
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.5	4.5	mg/kg	
	TPH-ORO (> C28-C36)	< 6.7	6.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		20-142%

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: FL01-07@4'	
Lab Sample ID: DA77503-1A	Date Sampled: 11/21/25
Matrix: SO - Soil	Date Received: 11/21/25
	Percent Solids: 88.9
Project: TASMCOA: Ritchey 1-27 1	

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	794	6.0	mg/l	1	11/24/25	12/10/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Magnesium	372	3.0	mg/l	1	11/24/25	12/10/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Sodium	686	6.0	mg/l	1	11/24/25	12/10/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²

(1) Instrument QC Batch: MA19948

(2) Prep QC Batch: MP44638

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01-07@4'		Date Sampled: 11/21/25
Lab Sample ID: DA77503-1A		Date Received: 11/21/25
Matrix: SO - Soil		Percent Solids: 88.9
Project: TASMCOA: Ritchey 1-27 1		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	5.03		ratio	1	12/10/25 18:21	BR	USDA HANDBOOK 60

(a) Calculated as: $(Na \text{ meq/L}) / \sqrt{[(Ca \text{ meq/L}) + (Mg \text{ meq/L})/2]}$

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01-07@4'	
Lab Sample ID: DA77503-1B	Date Sampled: 11/21/25
Matrix: SO - Soil	Date Received: 11/21/25
	Percent Solids: 88.9
Project: TASMCOA: Ritchey 1-27 1	

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Boron	0.534	0.50	mg/l	1	11/24/25	12/09/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19940

(2) Prep QC Batch: MP44648

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01-07@4'	Date Sampled: 11/21/25
Lab Sample ID: DA77503-1C	Date Received: 11/21/25
Matrix: SO - Soil	Percent Solids: 88.9
Project: TASMCOA: Ritchey 1-27 1	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	1.8	0.20	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Barium	62.0	2.0	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Cadmium	0.11	0.10	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Copper	7.2	2.0	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Lead	4.5	0.50	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Nickel	4.7	2.0	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Selenium	0.24	0.20	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Silver	< 0.10	0.10	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Zinc	20.3	10	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19895

(2) Prep QC Batch: MP44630

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01-07@4'	Date Sampled: 11/21/25
Lab Sample ID: DA77503-1C	Date Received: 11/21/25
Matrix: SO - Soil	Percent Solids: 88.9
Project: TASMCOA: Ritchey 1-27 1	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
pH-saturated paste method							
pH	7.73		su	1	12/04/25 10:25	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	4.3	0.0010	mmhos/cm	1	12/04/25 10:25	SG	SM 2510B-2011 MOD
Chromium, Hexavalent ^a	< 0.43	0.43	mg/kg	1	12/18/25 15:30	AFL	SW846 7199

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@4'	Date Sampled: 11/21/25
Lab Sample ID: DA77503-2	Date Received: 11/21/25
Matrix: SO - Soil	Percent Solids: 93.7
Project: TASMCOA: Ritchey 1-27 1	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	1.8	0.21	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Barium	51.5	2.1	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Cadmium	< 0.10	0.10	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Copper	6.2	2.1	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Lead	3.8	0.52	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Nickel	4.4	2.1	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Selenium	< 0.21	0.21	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Silver	< 0.10	0.10	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²
Zinc	14.6	10	mg/kg	10	11/24/25	12/01/25 GS	SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19895

(2) Prep QC Batch: MP44630

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@4'	Date Sampled: 11/21/25
Lab Sample ID: DA77503-2	Date Received: 11/21/25
Matrix: SO - Soil	Percent Solids: 93.7
Project: TASMCOA: Ritchey 1-27 1	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	93.7		%	1	11/21/25	IR	SM2540G-2011 M
pH-saturated paste method							
pH	7.94		su	1	12/04/25 10:25	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.1	0.0010	mmhos/cm	1	12/04/25 10:25	SG	SM 2510B-2011 MOD
Chromium, Hexavalent ^a	< 0.42	0.42	mg/kg	1	12/18/25 15:52	AFL	SW846 7199

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@4'	
Lab Sample ID: DA77503-2A	Date Sampled: 11/21/25
Matrix: SO - Soil	Date Received: 11/21/25
	Percent Solids: 93.7
Project: TASMCOA: Ritchey 1-27 1	

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	66.3	6.0	mg/l	1	11/24/25	12/10/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Magnesium	24.6	3.0	mg/l	1	11/24/25	12/10/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Sodium	156	6.0	mg/l	1	11/24/25	12/10/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²

(1) Instrument QC Batch: MA19948

(2) Prep QC Batch: MP44638

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@4'	Date Sampled: 11/21/25
Lab Sample ID: DA77503-2A	Date Received: 11/21/25
Matrix: SO - Soil	Percent Solids: 93.7
Project: TASMCOA: Ritchey 1-27 1	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	4.15		ratio	1	12/10/25 18:23	BR	USDA HANDBOOK 60

(a) Calculated as: $(Na \text{ meq/L}) / \sqrt{[(Ca \text{ meq/L}) + (Mg \text{ meq/L})/2]}$

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@4'	Date Sampled: 11/21/25
Lab Sample ID: DA77503-2B	Date Received: 11/21/25
Matrix: SO - Soil	Percent Solids: 93.7
Project: TASMCOA: Ritchey 1-27 1	

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	11/24/25	12/09/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19940

(2) Prep QC Batch: MP44648

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



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

Bottle Order/Control #	FED-EX Tracking #
SGS Quote #	SGS Job # DA77503

Client / Reporting Information		Project Information										Requested Analysis (see TEST CODE sheet)							Matrix Codes					
Company: Tasman, Inc.		Project Name: Ritchey 1-271																	DW - Drinking Water					
Street: 4725 Independence Street		Check Box if Project Report to Division of Oil and Public Safety (OPS): <input type="checkbox"/>																	GW - Ground Water					
City, State ZIP: Wheat Ridge, CO 80033		Billing Information (if different from Report to)																	WW - Water					
Project Contact: AJ Engelhardt (aengelhardt@tasman-geo.com)		Project # 10650																	SW - Surface Water					
Phone: (303) 808-3515		Client Purchase Order #																	SO - Soil					
Email: Tas:Chevron@tasman-geo.com & RBUEUF27@chevron.com		City, State ZIP:																	SL - Sludge					
Sample(s) Name(s):		Project Manager: AJ Engelhardt (aengelhardt@tasman-geo.com)																	SED - Sediment					
		Attention: Lawren Hoff																	OI - Oil					
Collection		Number of preserved bottles																						
Field ID / Point of Collection	Date	Time	Sampled by	Matrix	# of bottles	NOLE	HCl	NI03	NI03	NI03	NI03	DI Metal	ENCORE	ENCORE	NI2S2O3	NI2S2O3	NI2S2O3	915-VOC	915-PAH	915-TPH	PH, EC, SAR	Boron	*915-Metals	
01 FL01-07@4'	11/21/25	922	ME	SO	3	X												X	X	X	X	X	X	
02 BK01@4'	11/21/25	1148	ME	SO	2	X															X	X	X	
Turnaround Time (Business days)		Data Deliverable Information										Comments / Special Instructions												
<input checked="" type="checkbox"/> 10 Business Days <input type="checkbox"/> 5 Business Days <input type="checkbox"/> 3 Business Days RUSH <input type="checkbox"/> 2 Business Days RUSH <input type="checkbox"/> 1 Business Day EMERGENCY		Special Reporting Instructions <input type="checkbox"/> Report in PPB <input type="checkbox"/> Report in PPM <input type="checkbox"/> Report MDLs										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												
Emergency & Rush T/A data available via Email or LabLink. RUSH TAT approval needed.		<input type="checkbox"/> EDD Format_Tasman										*915-Metals: Arsenic, Barium, Cadmium, Chromium (VI), Copper, Lead, Nickel, Selenium, Silver and Zinc												
Sample Custody must be documented below each time samples change possession, including courier, Fed Ex, USP, USPS deliver																								
Relinquished By/Affiliation: 1 Kevin Engelhardt		Date/Time: 11/21/25 3:12pm		Received By/Affiliation: 1 Tasman Lock Box		Relinquished By/Affiliation: 2 SGS		Date/Time: 11-21		Received By/Affiliation: 2 SGS		Date/Time: 11-21		Received By/Affiliation: 2 SGS		Date/Time: 11-21		Received By/Affiliation: 2 SGS		Date/Time: 11-21		Received By/Affiliation: 2 SGS		
Custody Seal #: 3		Intact <input checked="" type="checkbox"/> Not intact <input type="checkbox"/> Absent <input type="checkbox"/>		Preserved where applicable <input checked="" type="checkbox"/>		Cooler Temp. °C (corrected): 14		Therm. ID: 1060		On Ice <input checked="" type="checkbox"/>		http://www.sgs.com/en/terms-and-conditions.												

FORM: EHS-A-QAC-0027-03-FORM-Wheat Ridge - C/C, RV 2/20/2025

DA77503: Chain of Custody

Page 1 of 2



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: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V2031-MB	4V41795.D	1	12/02/25	MB	n/a	n/a	V4V2031

The QC reported here applies to the following samples:

Method: SW846 8260D

DA77503-1

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	ug/kg	
108-88-3	Toluene	1.3	2.0	ug/kg	J
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	ug/kg	
	m,p-Xylene	3.4	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	3.4	2.0	ug/kg	
	TPH-GRO (C6-C10)	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	97%	70-130%
2037-26-5	Toluene-D8	92%	70-130%
460-00-4	4-Bromofluorobenzene	92%	70-130%
17060-07-0	1,2-Dichloroethane-D4	100%	70-130%

Blank Spike Summary

Job Number: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V2031-BS	4V41791A.D	1	12/02/25	MB	n/a	n/a	V4V2031

The QC reported here applies to the following samples:

Method: SW846 8260D

DA77503-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	52.8	106	70-130
100-41-4	Ethylbenzene	50	52.7	105	70-130
108-88-3	Toluene	50	53.7	107	70-130
95-63-6	1,2,4-Trimethylbenzene	50	52.9	106	70-134
108-67-8	1,3,5-Trimethylbenzene	50	52.0	104	70-134
	m,p-Xylene	100	115	115	70-130
95-47-6	o-Xylene	50	56.8	114	70-136
1330-20-7	Xylene (total)	150	172	115	70-131

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	104%	70-130%
17060-07-0	1,2-Dichloroethane-D4	102%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V2031-BS	4V41794.D	1	12/02/25	MB	n/a	n/a	V4V2031

The QC reported here applies to the following samples:

Method: SW846 8260D

DA77503-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	1960	98	64-144

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	98%	70-130%
2037-26-5	Toluene-D8	95%	70-130%
460-00-4	4-Bromofluorobenzene	90%	70-130%
17060-07-0	1,2-Dichloroethane-D4	97%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA77498-1MS	4V41798.D	1	12/02/25	MB	n/a	n/a	V4V2031
DA77498-1MSD	4V41799.D	1	12/02/25	MB	n/a	n/a	V4V2031
DA77498-1	4V41796.D	1	12/02/25	MB	n/a	n/a	V4V2031

The QC reported here applies to the following samples:

Method: SW846 8260D

DA77503-1

CAS No.	Compound	DA77498-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	< 1.0	52.6	47.4	90	52.6	43.4	83	9	44-150/44
100-41-4	Ethylbenzene	< 2.1	52.6	47.6	91	52.6	42.4	81	12	41-149/49
108-88-3	Toluene	< 2.1	52.6	45.0	83	52.6	39.0	72	14	40-149/47
95-63-6	1,2,4-Trimethylbenzene	< 2.1	52.6	48.2	92	52.6	44.5	85	8	26-164/57
108-67-8	1,3,5-Trimethylbenzene	< 2.1	52.6	48.2	92	52.6	44.8	85	7	30-161/60
	m,p-Xylene	< 3.5	105	99.1	91	105	87.1	80	13	36-152/49
95-47-6	o-Xylene	< 2.1	52.6	51.2	97	52.6	48.1	91	6	33-168/49
1330-20-7	Xylene (total)	< 3.5	158	150	93	158	135	84	11	36-157/49

CAS No.	Surrogate Recoveries	MS	MSD	DA77498-1	Limits
1868-53-7	Dibromofluoromethane	102%	112%	105%	70-130%
2037-26-5	Toluene-D8	94%	93%	94%	70-130%
460-00-4	4-Bromofluorobenzene	102%	95%	90%	70-130%
17060-07-0	1,2-Dichloroethane-D4	104%	108%	105%	70-130%

* = Outside of Control Limits.

5.3.1
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA77500-6MS	4V41800.D	1	12/02/25	MB	n/a	n/a	V4V2031
DA77500-6MSD	4V41801.D	1	12/02/25	MB	n/a	n/a	V4V2031
DA77500-6	4V41797.D	1	12/02/25	MB	n/a	n/a	V4V2031

The QC reported here applies to the following samples:

Method: SW846 8260D

DA77503-1

CAS No.	Compound	DA77500-6 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	< 220	2250	1860	83	2250	1870	83	1	18-158/83

CAS No.	Surrogate Recoveries	MS	MSD	DA77500-6	Limits
1868-53-7	Dibromofluoromethane	109%	101%	97%	70-130%
2037-26-5	Toluene-D8	93%	92%	93%	70-130%
460-00-4	4-Bromofluorobenzene	91%	94%	94%	70-130%
17060-07-0	1,2-Dichloroethane-D4	100%	98%	97%	70-130%

* = Outside of Control Limits.

5.3.2
5

MS 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: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29389-MB	7G006666.D	1	11/27/25	ZL	11/26/25	OP29389	E7G251

The QC reported here applies to the following samples:

Method: SW846 8270E

DA77503-1

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.0	ug/kg	
120-12-7	Anthracene	ND	4.0	ug/kg	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	4.0	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	4.0	ug/kg	
50-32-8	Benzo(a)pyrene	ND	4.0	ug/kg	
218-01-9	Chrysene	ND	4.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	4.0	ug/kg	
206-44-0	Fluoranthene	ND	4.0	ug/kg	
86-73-7	Fluorene	ND	4.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.0	ug/kg	
90-12-0	1-Methylnaphthalene	ND	4.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	4.0	ug/kg	
91-20-3	Naphthalene	ND	2.0	ug/kg	
129-00-0	Pyrene	ND	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
321-60-8	2-Fluorobiphenyl	103%	22-138%
4165-60-0	Nitrobenzene-d5	108%	32-143%
1718-51-0	Terphenyl-d14	107%	48-149%

6.1.1
6

Blank Spike Summary

Job Number: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29389-BS	7G006667.D	1	11/27/25	ZL	11/26/25	OP29389	E7G251

The QC reported here applies to the following samples:

Method: SW846 8270E

DA77503-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	247	124	46-152
120-12-7	Anthracene	200	275	138	65-147
56-55-3	Benzo(a)anthracene	200	262	131	64-144
205-99-2	Benzo(b)fluoranthene	200	276	138	70-154
207-08-9	Benzo(k)fluoranthene	200	257	129	70-158
50-32-8	Benzo(a)pyrene	200	267	134	64-159
218-01-9	Chrysene	200	271	136	70-156
53-70-3	Dibenzo(a,h)anthracene	200	264	132	63-156
206-44-0	Fluoranthene	200	281	141	62-155
86-73-7	Fluorene	200	249	125	55-151
193-39-5	Indeno(1,2,3-cd)pyrene	200	264	132	67-156
90-12-0	1-Methylnaphthalene	200	224	112	21-168
91-57-6	2-Methylnaphthalene	200	225	113	18-161
91-20-3	Naphthalene	200	225	113	2-173
129-00-0	Pyrene	200	272	136	61-158

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	103%	22-138%
4165-60-0	Nitrobenzene-d5	106%	32-143%
1718-51-0	Terphenyl-d14	97%	48-149%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29389-MS	7G006668.D	1	11/27/25	ZL	11/26/25	OP29389	E7G251
OP29389-MSD	7G006669.D	1	11/27/25	ZL	11/26/25	OP29389	E7G251
DA77503-1	7G006670.D	1	11/27/25	ZL	11/26/25	OP29389	E7G251

The QC reported here applies to the following samples:

Method: SW846 8270E

DA77503-1

CAS No.	Compound	DA77503-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	< 4.4	216	268	124	212	247	116	8	30-148/32
120-12-7	Anthracene	< 4.4	216	288	133	212	280	132	3	40-148/33
56-55-3	Benzo(a)anthracene	< 5.5	216	278	129	212	273	129	2	44-144/32
205-99-2	Benzo(b)fluoranthene	< 4.4	216	292	135	212	281	132	4	36-166/43
207-08-9	Benzo(k)fluoranthene	< 4.4	216	265	123	212	258	122	3	43-165/41
50-32-8	Benzo(a)pyrene	< 4.4	216	276	128	212	269	127	3	41-161/37
218-01-9	Chrysene	< 4.4	216	277	128	212	279	131	1	52-152/32
53-70-3	Dibenzo(a,h)anthracene	< 4.4	216	277	128	212	262	123	6	42-155/36
206-44-0	Fluoranthene	< 4.4	216	296	137	212	290	137	2	40-151/34
86-73-7	Fluorene	< 4.4	216	267	123	212	260	123	3	34-149/34
193-39-5	Indeno(1,2,3-cd)pyrene	< 4.4	216	274	127	212	264	124	4	41-156/37
90-12-0	1-Methylnaphthalene	< 4.4	216	246	114	212	215	101	13	23-149/36
91-57-6	2-Methylnaphthalene	< 4.4	216	250	116	212	216	102	15	18-144/35
91-20-3	Naphthalene	< 2.2	216	251	116	212	208	98	19	18-150/32
129-00-0	Pyrene	< 4.4	216	282	130	212	281	132	0	38-156/33

CAS No.	Surrogate Recoveries	MS	MSD	DA77503-1	Limits
321-60-8	2-Fluorobiphenyl	103%	111%	109%	22-138%
4165-60-0	Nitrobenzene-d5	106%	114%	112%	32-143%
1718-51-0	Terphenyl-d14	94%	102%	106%	48-149%

* = 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: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29386-MB	FH083278.D	1	11/26/25	JB	11/25/25	OP29386	GFH24047

The QC reported here applies to the following samples:

Method: SW846-8015C

DA77503-1

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

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	93% 20-142%

Blank Spike Summary

Job Number: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29386-BS1	FH083279.D	1	11/26/25	JB	11/25/25	OP29386	GFH24047

The QC reported here applies to the following samples:

Method: SW846-8015C

DA77503-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	190	95	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	104%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29386-BS2	FH083280.D	1	11/26/25	JB	11/25/25	OP29386	GFH24047

The QC reported here applies to the following samples:

Method: SW846-8015C

DA77503-1

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	212	106	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	101%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29386-MS1	FH083281.D	1	11/26/25	JB	11/25/25	OP29386	GFH24047
OP29386-MSD1	FH083282.D	1	11/26/25	JB	11/25/25	OP29386	GFH24047
DA77497-2	FH083285.D	1	11/26/25	JB	11/25/25	OP29386	GFH24047

The QC reported here applies to the following samples:

Method: SW846-8015C

DA77503-1

CAS No.	Compound	DA77497-2 mg/kg	Spike Q mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	< 4.8	240	240	100	235	228	97	5	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA77497-2	Limits
84-15-1	o-Terphenyl	106%	107%	99%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA77503
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP29386-MS2	FH083283.D	1	11/26/25	JB	11/25/25	OP29386	GFH24047
OP29386-MSD2	FH083284.D	1	11/26/25	JB	11/25/25	OP29386	GFH24047
DA77497-3	FH083286.D	1	11/26/25	JB	11/25/25	OP29386	GFH24047

The QC reported here applies to the following samples:

Method: SW846-8015C

DA77503-1

CAS No.	Compound	DA77497-3 mg/kg	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-ORO (> C28-C36)	30.2	235	271	102	246	305	112	12	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA77497-3	Limits
84-15-1	o-Terphenyl	102%	110%	108%	20-142%

* = 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: DA77503
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44630
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 11/24/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	5		
Antimony	0.40	.01	.05		
Arsenic	0.20	.05	.05	0.066	<0.20
Barium	2.0	.096	.24	0.057	<2.0
Beryllium	0.20	.077	.04		
Boron	40	18	10		
Cadmium	0.10	.03	.04	0.0088	<0.10
Calcium	400	25	30		
Chromium	2.0	.087	.6		
Cobalt	0.20	.04	.025		
Copper	2.0	.05	.25	2.6	* (a)
Iron	20	1.6	15		
Lead	0.50	.094	.2	0.026	<0.50
Magnesium	100	10	10		
Manganese	1.0	.079	.2		
Molybdenum	1.0	.037	.27		
Nickel	2.0	.098	.2	-0.093	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	25		
Selenium	0.20	.05	.05	0.021	<0.20
Silver	0.10	.0081	.03	0.0032	<0.10
Sodium	500	10	30		
Strontium	20	.1	1		
Thallium	0.20	.032	.04		
Tin	10	.22	4		
Titanium	2.0	.05	.3		
Uranium	0.20	.015	.1		
Vanadium	1.0	.14	.2		
Zinc	10	.05	1	1.4	<10

Associated samples MP44630: DA77503-2, DA77503-1C

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 the reporting limit. All samples are below 1/2 project screening limits.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44630
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 11/24/25

Metal	DA77500-3C Original MS		SpikeLot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	4.0	116	115	97.0	75-125
Barium	82.4	346	231	114.1	75-125
Beryllium					
Boron					
Cadmium	0.22	59.1	57.7	102.0	75-125
Calcium					
Chromium					
Cobalt					
Copper	10.7	67.5	57.7	98.4	75-125
Iron					
Lead	9.6	124	115	99.1	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	7.3	64.2	57.7	98.5	75-125
Phosphorus					
Potassium					
Selenium	0.25	113	115	97.6	75-125
Silver	0.030	23.5	23.1	101.6	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	33.3	92.3	57.7	102.2	75-125

Associated samples MP44630: DA77503-2, DA77503-1C

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

8.1.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44630
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 11/24/25

Metal	DA77500-3C Original MSD		SpikeLot ICPMS6 % Rec		MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	4.0	111	113	94.5	4.4	20
Barium	82.4	296	227	94.3	15.6	20
Beryllium						
Boron						
Cadmium	0.22	56.5	56.6	99.4	4.5	20
Calcium						
Chromium						
Cobalt						
Copper	10.7	67.6	56.6	100.5	0.1	20
Iron						
Lead	9.6	120	113	97.5	3.3	20
Magnesium						
Manganese						
Molybdenum						
Nickel	7.3	64.7	56.6	101.4	0.8	20
Phosphorus						
Potassium						
Selenium	0.25	108	113	95.1	4.5	20
Silver	0.030	22.3	22.7	98.3	5.2	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	33.3	87.0	56.6	94.8	5.9	20

Associated samples MP44630: DA77503-2, DA77503-1C

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

8.12
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44630
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 11/24/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	99.2	100	99.2	80-120
Barium	198	200	99.0	80-120
Beryllium				
Boron				
Cadmium	50.2	50	100.4	80-120
Calcium				
Chromium				
Cobalt				
Copper	52.9	50	105.8	80-120
Iron				
Lead	99.3	100	99.3	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	50.0	50	100.0	80-120
Phosphorus				
Potassium				
Selenium	100	100	100.0	80-120
Silver	19.7	20	98.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	49.8	50	99.6	80-120

Associated samples MP44630: DA77503-2, DA77503-1C

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

8.1.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44630
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: ug/l

Prep Date: 11/24/25

Metal	DA77500-3C Original SDL 10:50%DIF		QC Limits
Aluminum			
Antimony			
Arsenic	41.1	44.4	8.0 0-20
Barium	840	871	3.8 0-20
Beryllium			
Boron			
Cadmium	2.27	2.59	13.7 0-20
Calcium			
Chromium			
Cobalt			
Copper			
Iron			
Lead	97.5	102	5.0 0-20
Magnesium			
Manganese			
Molybdenum			
Nickel	74.7	71.6	4.2 0-20
Phosphorus			
Potassium			
Selenium	2.59	3.12	20.5 (a) 0-20
Silver	0.303	0.00	100.0(a) 0-20
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Uranium			
Vanadium			
Zinc	340	368	8.4 0-20

Associated samples MP44630: DA77503-2, DA77503-1C

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.1.4
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA77503
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44638
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/24/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	71	230		
Arsenic	380	68	69		
Barium	150	3	20		
Beryllium	150	2.3	20		
Boron	750	160	95		
Cadmium	150	5.3	20		
Calcium	6000	100	750	207	<6000
Chromium	150	9.4	20		
Cobalt	75	11	9.5		
Copper	150	6.9	20		
Iron	1100	41	180		
Lithium	75	7.5	20		
Magnesium	3000	330	380	150	<3000
Manganese	75	7.3	9.5		
Molybdenum	150	29	42		
Potassium	15000	380	1900		
Silver	450	14	57		
Sodium	6000	67	750	900	<6000

Associated samples MP44638: DA77503-1A, DA77503-2A

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

8.2.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44638
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/24/25

Metal	DA77500-1A Original MS	SpikeLot ICPAL6	% Rec	QC Limits
Aluminum				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	93600	484000	375000	104.1 75-125
Chromium				
Cobalt				
Copper				
Iron				
Lithium				
Magnesium	33300	410000	375000	100.5 75-125
Manganese				
Molybdenum				
Potassium				
Silver				
Sodium	40700	403000	375000	96.6 75-125

Associated samples MP44638: DA77503-1A, DA77503-2A

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

8.2.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44638
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/24/25

Metal	DA77500-1A Original MSD	SpikeLot ICPAL6	% Rec	MSD RPD	QC Limit	
Aluminum						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	93600	478000	375000	102.5	1.2	20
Chromium						
Cobalt						
Copper						
Iron						
Lithium						
Magnesium	33300	405000	375000	99.1	1.2	20
Manganese						
Molybdenum						
Potassium						
Silver						
Sodium	40700	401000	375000	96.1	0.5	20

Associated samples MP44638: DA77503-1A, DA77503-2A

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

8.2.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44638
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/24/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	370000	375000	98.7	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lithium				
Magnesium	360000	375000	96.0	80-120
Manganese				
Molybdenum				
Potassium				
Silver				
Sodium	349000	375000	93.1	80-120

Associated samples MP44638: DA77503-1A, DA77503-2A

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

8.2.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44638
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/24/25

Metal	DA77500-1A Original SDL 1:5		%DIF	QC Limits
Aluminum				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	6240	6260	0.4	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lithium				
Magnesium	2220	2180	1.6	0-10
Manganese				
Molybdenum				
Potassium				
Silver				
Sodium	2710	2650	2.2	0-10

Associated samples MP44638: DA77503-1A, DA77503-2A

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

8.2.4
8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA77503
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44648
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/24/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	500	9.9	75		
Antimony	150	30	34		
Arsenic	130	11	23		
Barium	50	.95	6.5		
Beryllium	50	.5	6.5		
Boron	250	6.3	32	25.0	<250
Cadmium	50	1.1	6.5		
Calcium	2000	28	250		
Chromium	50	3.4	6.5		
Cobalt	25	4.1	3.2		
Copper	50	2.5	6.5		
Iron	350	9.3	60		
Lead	250	21	32		
Lithium	25	10	6.5		
Magnesium	1000	35	130		
Manganese	25	.85	3.2		
Molybdenum	50	13	14		
Nickel	150	5.7	19		
Phosphorus	500	58	80		
Potassium	5000	180	630		
Selenium	250	46	110		
Silicon	1000	210	750		
Silver	150	2.8	19		
Sodium	2000	43	250		
Strontium	25	.5	3.2		
Thallium	50	30	22		
Tin	300	17	260		
Titanium	50	2.2	6.5		
Uranium	250	57	43		
Vanadium	50	5.2	6.5		
Zinc	150	3.4	19		

Associated samples MP44648: DA77503-1B, DA77503-2B

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA77503
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

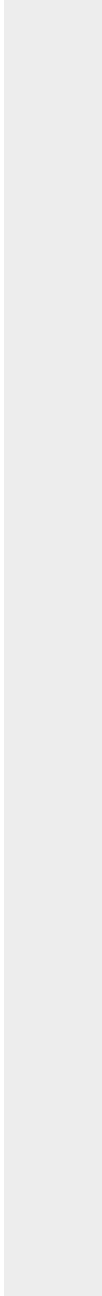
QC Batch ID: MP44648
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/24/25

Metal	RL	IDL	MDL	MB raw	final
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(anr) Analyte not requested



8.3.1

8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44648
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/24/25 11/24/25

Metal	DA77500-3B Original	DUP	RPD	QC Limits	DA77500-3B Original MS	Spikelot ICPAL6	% Rec	QC Limits
Aluminum								
Antimony								
Arsenic								
Barium								
Beryllium								
Boron	275	257	6.8	0-20	275	9370	10000	91.0 75-125
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 MP44648: DA77503-1B, DA77503-2B

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

8.3.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

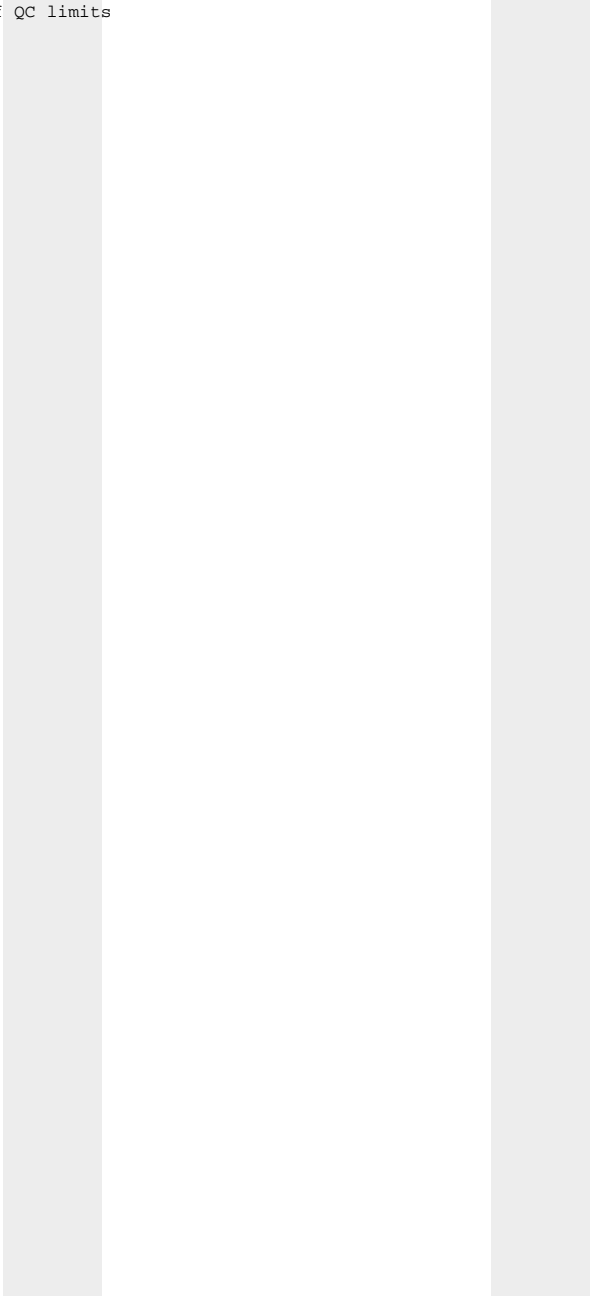
QC Batch ID: MP44648
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/24/25 11/24/25

Metal	DA77500-3B Original DUP	RPD	QC Limits	DA77500-3B Original MS	Spikelot ICPALL6	% Rec	QC Limits
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(N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested



8.3.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44648
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/24/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	8650	10000	86.5	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 MP44648: DA77503-1B, DA77503-2B

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

8.3.3
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA77503
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

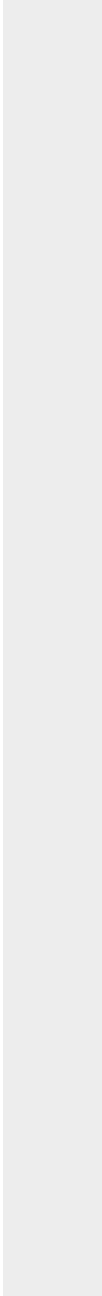
QC Batch ID: MP44648
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/24/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
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(anr) Analyte not requested



8.3.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77503
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44648
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 11/24/25

Metal	DA77500-3B Original SDL 1:5	%DIF	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Boron	54.9	66.2	20.6 (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 MP44648: DA77503-1B, DA77503-2B

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

8.3.4
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA77503
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

QC Batch ID: MP44648
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 11/24/25

Metal	DA77500-3B Original SDL 1:5	%DIF	QC Limits
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(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.3.4

8

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: DA77503
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP40172/GN71182			mmhos/cm	1.409	1.4	99.0	90-110%

Associated Samples:
Batch GP40172: DA77503-2, DA77503-1C
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77503
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Ritchey 1-27 1

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP40172/GN71182	DA77724-14C	mmhos/cm	0.63	0.74	15.9	0-20%
pH	GN71181	DA77423-7C	su	8.13	8.14	0.1	0-5%

Associated Samples:

Batch GN71181: DA77503-2, DA77503-1C

Batch GP40172: DA77503-2, DA77503-1C

(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Orlando, FL)

Includes the following where applicable:

- Chain of Custody

SGS - Orlando Sample Receipt Summary

Job Number: da77503

Client: SGS CO

Project: TASMCOA: RITCHEY 1-27-1

Date / Time Received: 12/16/2025 10:30:00 AM

Delivery Method: FEDEX

Airbill #'s: 487380884210

Cooler Temps (Raw Measured) °C: Cooler 1: (1.2); Cooler 2: (2.0); Cooler 3: (1.8); Cooler 4: (2.2);

Cooler Temps (Corrected) °C: Cooler 1: (1.4); Cooler 2: (2.2); Cooler 3: (2.0); Cooler 4: (2.4);

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: 216524 pH 10-12: _____ Other: (Specify) 0-14 210224
 Residual Chlorine Test Strip Lot: _____

Comments

Sample Receipt Summary 112723 EK

Technician: ZANEB

Date: 12/16/2025 2:07:31 PM

Reviewer: _____

Date: _____

DA77503: Chain of Custody

Page 2 of 2

10.1 10

General Chemistry

QC Data Summaries

(SGS Orlando, FL)

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: DA77503
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Ritchey 1-27 1

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP42381/GN2440	0.40	0.0	mg/kg	10	12.0	119.6	80-120%
Chromium, Hexavalent	GP42381/GN2440			mg/kg	680	709	104.3	80-120%

Associated Samples:

Batch GP42381: DA77503-2, DA77503-1C

(*) Outside of QC limits

11.1
11

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77503
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Ritchey 1-27 1

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP42381/GN2440	DA77500-1C	mg/kg	0.0	11.09	12.9	115.2	75-125%
Chromium, Hexavalent	GP42381/GN2440	DA77500-1C	mg/kg	0.0	754	980	130.0N(a)	75-125%

Associated Samples:

Batch GP42381: DA77503-2, DA77503-1C

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA77503
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMSOA: Ritchey 1-27 1

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chromium, Hexavalent	GP42381/GN2440	DA77500-1C	mg/kg	0.0	11	12.8	0.4	20%

Associated Samples:

Batch GP42381: DA77503-2, DA77503-1C

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits