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Automated Report

Technical Report for

Chevron USA, Inc.

CDH: Wells Ranch USX AE21-12WH

PO#UWRWE-A5382-ABN

SGS Job Number: DA75980

Sampling Date: 10/06/25

Report to:

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ATTN: David Stainback

Total number of pages in report: 98



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

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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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Sample Summary

Chevron USA, Inc.

Job No: DA75980

CDH: Wells Ranch USX AE21-12WH
 Project No: PO#UWRWE-A5382-ABN

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
DA75980-1	10/06/25	15:22 NI	10/07/25	SO	Soil	WH01@4'
DA75980-1A	10/06/25	15:22 NI	10/07/25	SO	Soil	WH01@4'
DA75980-1B	10/06/25	15:22 NI	10/07/25	SO	Soil	WH01@4'
DA75980-2	10/06/25	15:29 NI	10/07/25	SO	Soil	FL01-R@3'
DA75980-2A	10/06/25	15:29 NI	10/07/25	SO	Soil	FL01-R@3'
DA75980-2B	10/06/25	15:29 NI	10/07/25	SO	Soil	FL01-R@3'
DA75980-3	10/06/25	15:32 DT	10/07/25	SO	Soil	BKG01@3.5'
DA75980-3A	10/06/25	15:32 DT	10/07/25	SO	Soil	BKG01@3.5'
DA75980-3B	10/06/25	15:32 DT	10/07/25	SO	Soil	BKG01@3.5'
DA75980-4	10/06/25	15:44 DT	10/07/25	SO	Soil	BKG02@3.5'
DA75980-4A	10/06/25	15:44 DT	10/07/25	SO	Soil	BKG02@3.5'
DA75980-4B	10/06/25	15:44 DT	10/07/25	SO	Soil	BKG02@3.5'
DA75980-5	10/06/25	15:52 DT	10/07/25	SO	Soil	BKG03@3.5'

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



Sample Summary (continued)

Chevron USA, Inc.

Job No: DA75980

CDH: Wells Ranch USX AE21-12WH
Project No: PO#UWRWE-A5382-ABN

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
DA75980-5A	10/06/25	15:52 DT	10/07/25	SO	Soil	BKG03@3.5'
DA75980-5B	10/06/25	15:52 DT	10/07/25	SO	Soil	BKG03@3.5'

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

Summary of Hits

Job Number: DA75980
Account: Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH
Collected: 10/06/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA75980-1 WH01@4'

TPH-ORO (> C28-C36)	8.67	7.0			mg/kg	SW846-8015C
Arsenic	3.9	0.22			mg/kg	SW846 6020B
Barium	83.2	2.2			mg/kg	SW846 6020B
Cadmium	0.11	0.11			mg/kg	SW846 6020B
Copper	7.3	2.2			mg/kg	SW846 6020B
Lead	12.1	0.56			mg/kg	SW846 6020B
Nickel	6.3	2.2			mg/kg	SW846 6020B
Selenium	0.25	0.22			mg/kg	SW846 6020B
Zinc	21.7	11			mg/kg	SW846 6020B
pH	7.68				su	WREP-125,4E-SATPASTE
Specific Conductivity	1.3	0.0010			mmhos/cm	SM 2510B-2011 MOD

DA75980-1A WH01@4'

Calcium	189	6.0			mg/l	SW846 6010C
Magnesium	43.5	3.0			mg/l	SW846 6010C
Sodium	15.7	6.0			mg/l	SW846 6010C
Sodium Adsorption Ratio ^a	0.268				ratio	USDA HANDBOOK 60

DA75980-1B WH01@4'

No hits reported in this sample.

DA75980-2 FL01-R@3'

TPH-DRO (C10-C28)	80.7	4.5			mg/kg	SW846-8015C
TPH-ORO (> C28-C36)	170	6.8			mg/kg	SW846-8015C
Arsenic	3.7	0.21			mg/kg	SW846 6020B
Barium	65.2	2.1			mg/kg	SW846 6020B
Cadmium	0.22	0.11			mg/kg	SW846 6020B
Copper	4.9	2.1			mg/kg	SW846 6020B
Lead	5.8	0.53			mg/kg	SW846 6020B
Nickel	5.2	2.1			mg/kg	SW846 6020B
Zinc	17.4	11			mg/kg	SW846 6020B
pH	8.19				su	WREP-125,4E-SATPASTE
Specific Conductivity	0.43	0.0010			mmhos/cm	SM 2510B-2011 MOD

DA75980-2A FL01-R@3'

Calcium	101	6.0			mg/l	SW846 6010C
Magnesium	9.76	3.0			mg/l	SW846 6010C
Sodium	46.0	6.0			mg/l	SW846 6010C
Sodium Adsorption Ratio ^a	1.17				ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA75980
Account: Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH
Collected: 10/06/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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DA75980-2B FL01-R@3'

No hits reported in this sample.

DA75980-3 BKG01@3.5'

Arsenic	2.1	0.18		mg/kg	SW846 6020B
Barium	54.4	1.8		mg/kg	SW846 6020B
Cadmium	0.24	0.089		mg/kg	SW846 6020B
Copper	4.8	1.8		mg/kg	SW846 6020B
Lead	6.4	0.44		mg/kg	SW846 6020B
Nickel	6.8	1.8		mg/kg	SW846 6020B
Selenium	0.23	0.18		mg/kg	SW846 6020B
Zinc	27.7	8.9		mg/kg	SW846 6020B
pH	8.16			su	WREP-125,4E-SATPASTE
Specific Conductivity	0.23	0.0010		mmhos/cm	SM 2510B-2011 MOD

DA75980-3A BKG01@3.5'

Calcium	40.4	6.0		mg/l	SW846 6010C
Magnesium	7.05	3.0		mg/l	SW846 6010C
Sodium Adsorption Ratio ^a	0.195			ratio	USDA HANDBOOK 60

DA75980-3B BKG01@3.5'

No hits reported in this sample.

DA75980-4 BKG02@3.5'

Arsenic	4.0	0.19		mg/kg	SW846 6020B
Barium	64.8	1.9		mg/kg	SW846 6020B
Cadmium	0.16	0.097		mg/kg	SW846 6020B
Copper	8.8	1.9		mg/kg	SW846 6020B
Lead	7.9	0.48		mg/kg	SW846 6020B
Nickel	8.3	1.9		mg/kg	SW846 6020B
Selenium	0.19	0.19		mg/kg	SW846 6020B
Zinc	35.4	9.7		mg/kg	SW846 6020B
pH	8.28			su	WREP-125,4E-SATPASTE
Specific Conductivity	0.52	0.0010		mmhos/cm	SM 2510B-2011 MOD

DA75980-4A BKG02@3.5'

Calcium	21.8	6.0		mg/l	SW846 6010C
Magnesium	17.3	3.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA75980
Account: Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH
Collected: 10/06/25

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Sodium		69.3	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio ^a		2.69			ratio	USDA HANDBOOK 60

DA75980-4B BKG02@3.5'

No hits reported in this sample.

DA75980-5 BKG03@3.5'

Arsenic		1.9	0.19		mg/kg	SW846 6020B
Barium		60.1	1.9		mg/kg	SW846 6020B
Copper		3.0	1.9		mg/kg	SW846 6020B
Lead		4.3	0.49		mg/kg	SW846 6020B
Nickel		3.1	1.9		mg/kg	SW846 6020B
Zinc		13.3	9.7		mg/kg	SW846 6020B
pH		7.90			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.60	0.0010		mmhos/cm	SM 2510B-2011 MOD

DA75980-5A BKG03@3.5'

Calcium		97.2	6.0		mg/l	SW846 6010C
Magnesium		13.9	3.0		mg/l	SW846 6010C
Sodium		8.80	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio ^a		0.221			ratio	USDA HANDBOOK 60

DA75980-5B BKG03@3.5'

No hits reported in this sample.

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

Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID: WH01@4'	
Lab Sample ID: DA75980-1	Date Sampled: 10/06/25
Matrix: SO - Soil	Date Received: 10/07/25
Method: SW846 8260D	Percent Solids: 84.4
Project: CDH: Wells Ranch USX AE21-12WH	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4V40153.D	1	10/14/25 23:00	MB	n/a	n/a	V4V1971
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	5.03 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.0012	0.0012	mg/kg	
100-41-4	Ethylbenzene	< 0.0024	0.0024	mg/kg	
108-88-3	Toluene	< 0.0024	0.0024	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0024	0.0024	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0024	0.0024	mg/kg	
	m,p-Xylene	< 0.0024	0.0024	mg/kg	
95-47-6	o-Xylene	< 0.0024	0.0024	mg/kg	
1330-20-7	Xylene (total)	< 0.0024	0.0024	mg/kg	
	TPH-GRO (C6-C10)	< 0.24	0.24	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		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	113%		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

Client Sample ID: WH01@4'		Date Sampled: 10/06/25
Lab Sample ID: DA75980-1		Date Received: 10/07/25
Matrix: SO - Soil		Percent Solids: 84.4
Method: SW846 8270E SW846 3570		
Project: CDH: Wells Ranch USX AE21-12WH		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G004429A.D	1	10/15/25 17:44	ZL	10/10/25 12:30	OP28844	E7G190
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0046	0.0046	mg/kg	
120-12-7	Anthracene	< 0.0046	0.0046	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0057	0.0057	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0046	0.0046	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0046	0.0046	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0046	0.0046	mg/kg	
218-01-9	Chrysene	< 0.0046	0.0046	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0046	0.0046	mg/kg	
206-44-0	Fluoranthene	< 0.0046	0.0046	mg/kg	
86-73-7	Fluorene	< 0.0046	0.0046	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0046	0.0046	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0046	0.0046	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0046	0.0046	mg/kg	
91-20-3	Naphthalene	< 0.0023	0.0023	mg/kg	
129-00-0	Pyrene	< 0.0046	0.0046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	81%		22-138%
4165-60-0	Nitrobenzene-d5	78%		32-143%
1718-51-0	Terphenyl-d14	81%		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: WH01@4'	
Lab Sample ID: DA75980-1	Date Sampled: 10/06/25
Matrix: SO - Soil	Date Received: 10/07/25
Method: SW846-8015C SW846 3570	Percent Solids: 84.4
Project: CDH: Wells Ranch USX AE21-12WH	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW48632.D	1	10/10/25 16:17	JB	10/08/25 15:00	OP28833	GLW1135
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.7	4.7	mg/kg	
	TPH-ORO (> C28-C36)	8.67	7.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		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: WH01@4'		Date Sampled: 10/06/25
Lab Sample ID: DA75980-1		Date Received: 10/07/25
Matrix: SO - Soil		Percent Solids: 84.4
Project: CDH: Wells Ranch USX AE21-12WH		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	3.9	0.22	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Barium	83.2	2.2	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Cadmium	0.11	0.11	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Copper	7.3	2.2	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Lead	12.1	0.56	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Nickel	6.3	2.2	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Selenium	0.25	0.22	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Silver	< 0.11	0.11	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Zinc	21.7	11	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19736

(2) Prep QC Batch: MP43461

RL = Reporting Limit

Report of Analysis

Client Sample ID: WH01@4'		Date Sampled: 10/06/25
Lab Sample ID: DA75980-1		Date Received: 10/07/25
Matrix: SO - Soil		Percent Solids: 84.4
Project: CDH: Wells Ranch USX AE21-12WH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	84.4		%	1	10/07/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.68		su	1	10/08/25 17:36	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.3	0.0010	mmhos/cm	1	10/08/25 18:12	GC	SM 2510B-2011 MOD
Chromium, Hexavalent ^a	< 0.47	0.47	mg/kg	1	10/16/25 22:29	AFL	SW846 7199

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID: WH01@4'		Date Sampled: 10/06/25
Lab Sample ID: DA75980-1A		Date Received: 10/07/25
Matrix: SO - Soil		Percent Solids: 84.4
Project: CDH: Wells Ranch USX AE21-12WH		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	189	6.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Magnesium	43.5	3.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Sodium	15.7	6.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²

(1) Instrument QC Batch: MA19712

(2) Prep QC Batch: MP43482

RL = Reporting Limit

Report of Analysis

Client Sample ID: WH01@4'		Date Sampled: 10/06/25
Lab Sample ID: DA75980-1A		Date Received: 10/07/25
Matrix: SO - Soil		Percent Solids: 84.4
Project: CDH: Wells Ranch USX AE21-12WH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	0.268		ratio	1	10/09/25 22:50	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: WH01@4'		Date Sampled: 10/06/25
Lab Sample ID: DA75980-1B		Date Received: 10/07/25
Matrix: SO - Soil		Percent Solids: 84.4
Project: CDH: Wells Ranch USX AE21-12WH		

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	10/08/25	10/10/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19716

(2) Prep QC Batch: MP43468

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01-R@3'	
Lab Sample ID: DA75980-2	Date Sampled: 10/06/25
Matrix: SO - Soil	Date Received: 10/07/25
Method: SW846 8260D	Percent Solids: 87.6
Project: CDH: Wells Ranch USX AE21-12WH	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V95311.D	1	10/09/25 14:12	MB	n/a	n/a	V5V4530
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.11 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	101%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%
17060-07-0	1,2-Dichloroethane-D4	108%		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

Client Sample ID: FL01-R@3'		
Lab Sample ID: DA75980-2		Date Sampled: 10/06/25
Matrix: SO - Soil		Date Received: 10/07/25
Method: SW846 8270E SW846 3570		Percent Solids: 87.6
Project: CDH: Wells Ranch USX AE21-12WH		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	7G004434A.D	1	10/15/25 19:26	ZL	10/10/25 12:30	OP28844	E7G190
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	< 0.0045	0.0045	mg/kg	
120-12-7	Anthracene	< 0.0045	0.0045	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0056	0.0056	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0045	0.0045	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0045	0.0045	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0045	0.0045	mg/kg	
218-01-9	Chrysene	< 0.0045	0.0045	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0045	0.0045	mg/kg	
206-44-0	Fluoranthene	< 0.0045	0.0045	mg/kg	
86-73-7	Fluorene	< 0.0045	0.0045	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0045	0.0045	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0045	0.0045	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0045	0.0045	mg/kg	
91-20-3	Naphthalene	< 0.0022	0.0022	mg/kg	
129-00-0	Pyrene	< 0.0045	0.0045	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	76%		22-138%
4165-60-0	Nitrobenzene-d5	72%		32-143%
1718-51-0	Terphenyl-d14	97%		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

3.4
3

Client Sample ID: FL01-R@3'	
Lab Sample ID: DA75980-2	Date Sampled: 10/06/25
Matrix: SO - Soil	Date Received: 10/07/25
Method: SW846-8015C SW846 3570	Percent Solids: 87.6
Project: CDH: Wells Ranch USX AE21-12WH	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LW48633.D	1	10/10/25 16:30	JB	10/08/25 15:00	OP28833	GLW1135
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	80.7	4.5	mg/kg	
	TPH-ORO (> C28-C36)	170	6.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		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-R@3'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-2	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 87.6
Project: CDH: Wells Ranch USX AE21-12WH	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	3.7	0.21	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Barium	65.2	2.1	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Cadmium	0.22	0.11	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Copper	4.9	2.1	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Lead	5.8	0.53	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Nickel	5.2	2.1	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Selenium	< 0.21	0.21	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Silver	< 0.11	0.11	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Zinc	17.4	11	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19736

(2) Prep QC Batch: MP43461

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01-R@3'		Date Sampled: 10/06/25
Lab Sample ID: DA75980-2		Date Received: 10/07/25
Matrix: SO - Soil		Percent Solids: 87.6
Project: CDH: Wells Ranch USX AE21-12WH		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	87.6		%	1	10/07/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	8.19		su	1	10/08/25 17:36	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.43	0.0010	mmhos/cm	1	10/08/25 18:12	GC	SM 2510B-2011 MOD
Chromium, Hexavalent ^a	< 0.45	0.45	mg/kg	1	10/16/25 22:50	AFL	SW846 7199

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01-R@3'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-2A	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 87.6
Project: CDH: Wells Ranch USX AE21-12WH	

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	101	6.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Magnesium	9.76	3.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Sodium	46.0	6.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²

(1) Instrument QC Batch: MA19712

(2) Prep QC Batch: MP43482

RL = Reporting Limit

Report of Analysis

Client Sample ID: FL01-R@3'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-2A	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 87.6
Project: CDH: Wells Ranch USX AE21-12WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	1.17		ratio	1	10/09/25 22:53	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-R@3'		Date Sampled: 10/06/25
Lab Sample ID: DA75980-2B		Date Received: 10/07/25
Matrix: SO - Soil		Percent Solids: 87.6
Project: CDH: Wells Ranch USX AE21-12WH		

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	10/08/25	10/10/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19716

(2) Prep QC Batch: MP43468

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-3	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 97.4
Project: CDH: Wells Ranch USX AE21-12WH	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	2.1	0.18	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Barium	54.4	1.8	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Cadmium	0.24	0.089	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Copper	4.8	1.8	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Lead	6.4	0.44	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Nickel	6.8	1.8	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Selenium	0.23	0.18	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Silver	< 0.089	0.089	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Zinc	27.7	8.9	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19736

(2) Prep QC Batch: MP43461

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-3	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 97.4
Project: CDH: Wells Ranch USX AE21-12WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	97.4		%	1	10/07/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	8.16		su	1	10/08/25 17:36	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.23	0.0010	mmhos/cm	1	10/08/25 18:12	GC	SM 2510B-2011 MOD
Chromium, Hexavalent ^a	< 0.40	0.40	mg/kg	1	10/17/25 00:04	AFL	SW846 7199

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG01@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-3A	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 97.4
Project: CDH: Wells Ranch USX AE21-12WH	

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	40.4	6.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Magnesium	7.05	3.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Sodium	< 6.0	6.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²

(1) Instrument QC Batch: MA19712

(2) Prep QC Batch: MP43482

RL = Reporting Limit

Report of Analysis



Client Sample ID: BKG01@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-3A	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 97.4
Project: CDH: Wells Ranch USX AE21-12WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	0.195		ratio	1	10/09/25 22:56	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@3.5'	
Lab Sample ID: DA75980-3B	Date Sampled: 10/06/25
Matrix: SO - Soil	Date Received: 10/07/25
	Percent Solids: 97.4
Project: CDH: Wells Ranch USX AE21-12WH	

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	10/08/25	10/10/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19716

(2) Prep QC Batch: MP43468

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG02@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-4	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 94.8
Project: CDH: Wells Ranch USX AE21-12WH	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	4.0	0.19	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Barium	64.8	1.9	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Cadmium	0.16	0.097	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Copper	8.8	1.9	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Lead	7.9	0.48	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Nickel	8.3	1.9	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Selenium	0.19	0.19	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Silver	< 0.097	0.097	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Zinc	35.4	9.7	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19736

(2) Prep QC Batch: MP43461

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG02@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-4	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 94.8
Project: CDH: Wells Ranch USX AE21-12WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	94.8		%	1	10/07/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	8.28		su	1	10/08/25 17:36	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.52	0.0010	mmhos/cm	1	10/08/25 18:12	GC	SM 2510B-2011 MOD
Chromium, Hexavalent ^a	< 0.42	0.42	mg/kg	1	10/17/25 01:46	AFL	SW846 7199

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG02@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-4A	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 94.8
Project: CDH: Wells Ranch USX AE21-12WH	

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	21.8	6.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Magnesium	17.3	3.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Sodium	69.3	6.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²

(1) Instrument QC Batch: MA19712

(2) Prep QC Batch: MP43482

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG02@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-4A	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 94.8
Project: CDH: Wells Ranch USX AE21-12WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	2.69		ratio	1	10/09/25 22:59	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: BKG02@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-4B	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 94.8
Project: CDH: Wells Ranch USX AE21-12WH	

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	10/08/25	10/10/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19716

(2) Prep QC Batch: MP43468

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG03@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-5	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 97.9
Project: CDH: Wells Ranch USX AE21-12WH	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	1.9	0.19	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Barium	60.1	1.9	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Cadmium	< 0.097	0.097	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Copper	3.0	1.9	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Lead	4.3	0.49	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Nickel	3.1	1.9	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Selenium	< 0.19	0.19	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Silver	< 0.097	0.097	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²
Zinc	13.3	9.7	mg/kg	10	10/08/25	10/17/25 GS	SW846 6020B ¹	SW846 3050B ²

(1) Instrument QC Batch: MA19736

(2) Prep QC Batch: MP43461

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG03@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-5	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 97.9
Project: CDH: Wells Ranch USX AE21-12WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	97.9		%	1	10/07/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.90		su	1	10/08/25 17:36	GC	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.60	0.0010	mmhos/cm	1	10/08/25 18:12	GC	SM 2510B-2011 MOD
Chromium, Hexavalent ^a	< 0.41	0.41	mg/kg	1	10/17/25 02:06	AFL	SW846 7199

(a) Analysis performed at SGS Orlando, FL.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG03@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-5A	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 97.9
Project: CDH: Wells Ranch USX AE21-12WH	

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Calcium	97.2	6.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Magnesium	13.9	3.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²
Sodium	8.80	6.0	mg/l	1	10/08/25	10/09/25 BR	SW846 6010C ¹	USDA HANDBOOK 60 ²

(1) Instrument QC Batch: MA19712

(2) Prep QC Batch: MP43482

RL = Reporting Limit

Report of Analysis

Client Sample ID: BKG03@3.5'	Date Sampled: 10/06/25
Lab Sample ID: DA75980-5A	Date Received: 10/07/25
Matrix: SO - Soil	Percent Solids: 97.9
Project: CDH: Wells Ranch USX AE21-12WH	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio ^a	0.221		ratio	1	10/09/25 23:02	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: BKG03@3.5'	
Lab Sample ID: DA75980-5B	Date Sampled: 10/06/25
Matrix: SO - Soil	Date Received: 10/07/25
	Percent Solids: 97.9
Project: CDH: Wells Ranch USX AE21-12WH	

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	10/08/25	10/10/25 BR	SW846 6010C ¹	HWS-B ²

(1) Instrument QC Batch: MA19716

(2) Prep QC Batch: MP43468

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 FAX: 303-425-6854
www.sgs.com/ensusa

Bottle Order Control #
FED-EX Tracking #
SGS Quote #
SGS Job # DA75980

Client / Reporting Information
Project Information
Requested Analysis (see TEST CODE sheet)
Matrix Codes
Company: CDH Consulting LLC
Project Name: Wells Ranch USK AE21-12 WH
Company: Chevron-Noble
Project Contact: David Steinback
Project #
Client Purchase Order #: UWRWE-A5382-ABN
City, State ZIP
Attention: Lauren Hall

Nathan, Kyle, Brian, Drew, Kelley

Table with columns: Field ID / Point of Collection, Date, Time, Sampled by, Matrix, # of bottles, and various chemical analysis codes (NI, DT, etc.).

Requested Analysis (see TEST CODE sheet) table with columns for various analysis codes and checkboxes.

Turnaround Time (Business days)
Data Deliverable Information
Comments / Special Instructions
Standard 10 Business Days
Special Reporting Instructions
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

Relinquished By/Affiliation:
Received By/Affiliation:
Date/Time:
Custody Seal #:
Intact [] Not intact [] Absent []
Preserved where applicable []
Cooler Temp. °C (corrected):
Therm ID:
On Ice []
http://www.sgs.com/en/terms-and-conditions

Current Regular COC 23MAY23.xls; FORM: EHSA-OAC-0027-01-FORM-Wheat Ridge - COC; RV 9/2/21



SGS Sample Receipt Summary

Job Number: da75980

Client: CDH CONSULTING

Project: WELLS RANCH USX AE21-12 WH

Date / Time Received: 10/7/2025 6:00:00 PM

Delivery Method: co

Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (4.0);

Cooler Temps (Corrected) °C: Cooler 1: (4.0);

Cooler Information

Y or N

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

Trip Blank Information

Y or N N/A

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

W or S N/A

- 3. Type of TB Received

Sample Information

Y or N N/A

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

Misc Information

Number of Encores: 25 Gram 5 Gram

Number of Lab Filtered Metals: _____

Test Strip Lot #: pH 0-3: _____

pH 10-12: _____ Other: (Specify) _____

Residual Chlorine Test Strip Lot # _____

Comments 8260 samples will be in freezer by 7PM.

SM001

Rev. Date 05/04/17

Technician: TERRIM

Date: 10/7/2025 3:53:23 PM

Reviewer: _____

Date: _____

DA75980: Chain of Custody

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4.1
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MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4530-MB	5V95309.D	1	10/09/25	MB	n/a	n/a	V5V4530

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75980-2

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	ND	2.0	ug/kg	
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	ND	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	
	TPH-GRO (C6-C10)	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	100%	70-130%
2037-26-5	Toluene-D8	94%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%
17060-07-0	1,2-Dichloroethane-D4	111%	70-130%

Method Blank Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1971-MB	4V40135.D	1	10/14/25	MB	n/a	n/a	V4V1971

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75980-1

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	ND	2.0	ug/kg	
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	ND	2.0	ug/kg	
95-47-6	o-Xylene	ND	2.0	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	ug/kg	
	TPH-GRO (C6-C10)	ND	200	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
1868-53-7	Dibromofluoromethane	92%	70-130%
2037-26-5	Toluene-D8	93%	70-130%
460-00-4	4-Bromofluorobenzene	89%	70-130%
17060-07-0	1,2-Dichloroethane-D4	110%	70-130%

Blank Spike Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4530-BS	5V95306.D	1	10/09/25	MB	n/a	n/a	V5V4530

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75980-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	49.1	98	70-130
100-41-4	Ethylbenzene	50	49.6	99	70-130
108-88-3	Toluene	50	48.2	96	70-130
95-63-6	1,2,4-Trimethylbenzene	50	50.6	101	70-134
108-67-8	1,3,5-Trimethylbenzene	50	50.6	101	70-134
	m,p-Xylene	100	98.4	98	70-130
95-47-6	o-Xylene	50	50.3	101	70-136
1330-20-7	Xylene (total)	150	149	99	70-131

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%
17060-07-0	1,2-Dichloroethane-D4	100%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5V4530-BS	5V95308.D	1	10/09/25	MB	n/a	n/a	V5V4530

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75980-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	2410	121	64-144

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	97%	70-130%
460-00-4	4-Bromofluorobenzene	96%	70-130%
17060-07-0	1,2-Dichloroethane-D4	102%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1971-BS	4V40133.D	1	10/14/25	MB	n/a	n/a	V4V1971

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75980-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	46.1	92	70-130
100-41-4	Ethylbenzene	50	49.6	99	70-130
108-88-3	Toluene	50	47.6	95	70-130
95-63-6	1,2,4-Trimethylbenzene	50	52.5	105	70-134
108-67-8	1,3,5-Trimethylbenzene	50	53.5	107	70-134
	m,p-Xylene	100	100	100	70-130
95-47-6	o-Xylene	50	55.5	111	70-136
1330-20-7	Xylene (total)	150	156	104	70-131

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	106%	70-130%
17060-07-0	1,2-Dichloroethane-D4	104%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V4V1971-BS	4V40134.D	1	10/14/25	MB	n/a	n/a	V4V1971

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75980-1

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	1470	74	64-144

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	87%	70-130%
2037-26-5	Toluene-D8	93%	70-130%
460-00-4	4-Bromofluorobenzene	90%	70-130%
17060-07-0	1,2-Dichloroethane-D4	106%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA75980-1MS	5V95312.D	1	10/09/25	MB	n/a	n/a	V5V4530
DA75980-1MSD	5V95313.D	1	10/09/25	MB	n/a	n/a	V5V4530

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75980-2

CAS No.	Compound	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			56.6	55.3	98	56.4	54.2	96	2	44-150/44
100-41-4	Ethylbenzene			56.6	55.3	98	56.4	52.7	93	5	41-149/49
108-88-3	Toluene			56.6	54.0	95	56.4	51.9	92	4	40-149/47
95-63-6	1,2,4-Trimethylbenzene			56.6	56.1	99	56.4	52.9	94	6	26-164/57
108-67-8	1,3,5-Trimethylbenzene			56.6	55.8	99	56.4	53.0	94	5	30-161/60
	m,p-Xylene			113	110	97	113	104	92	6	36-152/49
95-47-6	o-Xylene			56.6	56.5	100	56.4	53.8	95	5	33-168/49
1330-20-7	Xylene (total)			170	166	98	169	158	93	5	36-157/49

CAS No.	Surrogate Recoveries	MS	MSD	Limits
1868-53-7	Dibromofluoromethane	98%	96%	70-130%
2037-26-5	Toluene-D8	96%	95%	70-130%
460-00-4	4-Bromofluorobenzene	95%	96%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	105%	70-130%

* = Outside of Control Limits.

5.3.1
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA75980-2MS	5V95314.D	1	10/09/25	MB	n/a	n/a	V5V4530
DA75980-2MSD	5V95315.D	1	10/09/25	MB	n/a	n/a	V5V4530
DA75980-2	5V95311.D	1	10/09/25	MB	n/a	n/a	V5V4530

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75980-2

CAS No.	Compound	DA75980-2 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	2260	2400	106	2220	2060	93	15	18-158/83

CAS No.	Surrogate Recoveries	MS	MSD	DA75980-2	Limits
1868-53-7	Dibromofluoromethane	98%	101%	101%	70-130%
2037-26-5	Toluene-D8	96%	95%	94%	70-130%
460-00-4	4-Bromofluorobenzene	96%	99%	98%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	109%	108%	70-130%

* = Outside of Control Limits.

5.3.2
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA76220-1MS	4V40138.D	1	10/14/25	MB	n/a	n/a	V4V1971
DA76220-1MSD	4V40139.D	1	10/14/25	MB	n/a	n/a	V4V1971
DA76220-1	4V40136.D	1	10/14/25	MB	n/a	n/a	V4V1971

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75980-1

CAS No.	Compound	DA76220-1 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	51.6	44.6	86	50.7	42.9	85	4	44-150/44
100-41-4	Ethylbenzene	< 2.0	51.6	50.6	98	50.7	47.8	94	6	41-149/49
108-88-3	Toluene	< 2.0	51.6	46.6	90	50.7	45.4	90	3	40-149/47
95-63-6	1,2,4-Trimethylbenzene	< 2.0	51.6	54.4	105	50.7	52.3	103	4	26-164/57
108-67-8	1,3,5-Trimethylbenzene	< 2.0	51.6	56.5	110	50.7	53.9	106	5	30-161/60
	m,p-Xylene	< 2.0	103	101	98	101	96.9	96	4	36-152/49
95-47-6	o-Xylene	< 2.0	51.6	54.3	105	50.7	52.0	103	4	33-168/49
1330-20-7	Xylene (total)	< 2.0	155	155	100	152	149	98	4	36-157/49

CAS No.	Surrogate Recoveries	MS	MSD	DA76220-1	Limits
1868-53-7	Dibromofluoromethane	91%	92%	90%	70-130%
2037-26-5	Toluene-D8	99%	101%	91%	70-130%
460-00-4	4-Bromofluorobenzene	106%	106%	80%	70-130%
17060-07-0	1,2-Dichloroethane-D4	103%	99%	107%	70-130%

* = Outside of Control Limits.

5.3.3
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA76224-1MS	4V40140.D	1	10/14/25	MB	n/a	n/a	V4V1971
DA76224-1MSD	4V40141.D	1	10/14/25	MB	n/a	n/a	V4V1971
DA76224-1	4V40137.D	1	10/14/25	MB	n/a	n/a	V4V1971

The QC reported here applies to the following samples:

Method: SW846 8260D

DA75980-1

CAS No.	Compound	DA76224-1 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)	< 260	2540	1650	65	2530	1310	52	23	18-158/83

CAS No.	Surrogate Recoveries	MS	MSD	DA76224-1	Limits
1868-53-7	Dibromofluoromethane	93%	93%	89%	70-130%
2037-26-5	Toluene-D8	95%	97%	97%	70-130%
460-00-4	4-Bromofluorobenzene	91%	92%	89%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	101%	97%	70-130%

* = Outside of Control Limits.

5.3.4
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: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28844-MB	7G004425.D	1	10/15/25	ZL	10/10/25	OP28844	E7G190

The QC reported here applies to the following samples:

Method: SW846 8270E

DA75980-1, DA75980-2

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	89%	22-138%
4165-60-0	Nitrobenzene-d5	82%	32-143%
1718-51-0	Terphenyl-d14	92%	48-149%

Blank Spike Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28844-BS	7G004426.D	1	10/15/25	ZL	10/10/25	OP28844	E7G190

The QC reported here applies to the following samples:

Method: SW846 8270E

DA75980-1, DA75980-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	189	95	46-152
120-12-7	Anthracene	200	194	97	65-147
56-55-3	Benzo(a)anthracene	200	219	110	64-144
205-99-2	Benzo(b)fluoranthene	200	210	105	70-154
207-08-9	Benzo(k)fluoranthene	200	200	100	70-158
50-32-8	Benzo(a)pyrene	200	186	93	64-159
218-01-9	Chrysene	200	206	103	70-156
53-70-3	Dibenzo(a,h)anthracene	200	218	109	63-156
206-44-0	Fluoranthene	200	210	105	62-155
86-73-7	Fluorene	200	188	94	55-151
193-39-5	Indeno(1,2,3-cd)pyrene	200	215	108	67-156
90-12-0	1-Methylnaphthalene	200	180	90	21-168
91-57-6	2-Methylnaphthalene	200	182	91	18-161
91-20-3	Naphthalene	200	177	89	2-173
129-00-0	Pyrene	200	166	83	61-158

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	93%	22-138%
4165-60-0	Nitrobenzene-d5	85%	32-143%
1718-51-0	Terphenyl-d14	91%	48-149%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28844-MS	7G004427A.D	1	10/15/25	ZL	10/10/25	OP28844	E7G190
OP28844-MSD	7G004428A.D	1	10/15/25	ZL	10/10/25	OP28844	E7G190
DA75980-1	7G004429A.D	1	10/15/25	ZL	10/10/25	OP28844	E7G190

The QC reported here applies to the following samples:

Method: SW846 8270E

DA75980-1, DA75980-2

CAS No.	Compound	DA75980-1 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	< 4.6	228	203	89	228	215	94	6	30-148/32
120-12-7	Anthracene	< 4.6	228	207	91	228	217	95	5	40-148/33
56-55-3	Benzo(a)anthracene	< 5.7	228	210	92	228	231	101	10	44-144/32
205-99-2	Benzo(b)fluoranthene	< 4.6	228	236	104	228	239	105	1	36-166/43
207-08-9	Benzo(k)fluoranthene	< 4.6	228	216	95	228	224	98	4	43-165/41
50-32-8	Benzo(a)pyrene	< 4.6	228	219	96	228	247	108	12	41-161/37
218-01-9	Chrysene	< 4.6	228	218	96	228	228	100	4	52-152/32
53-70-3	Dibenzo(a,h)anthracene	< 4.6	228	241	106	228	251	110	4	42-155/36
206-44-0	Fluoranthene	< 4.6	228	220	97	228	234	103	6	40-151/34
86-73-7	Fluorene	< 4.6	228	201	88	228	215	94	7	34-149/34
193-39-5	Indeno(1,2,3-cd)pyrene	< 4.6	228	240	105	228	251	110	4	41-156/37
90-12-0	1-Methylnaphthalene	< 4.6	228	181	79	228	188	83	4	23-149/36
91-57-6	2-Methylnaphthalene	< 4.6	228	184	81	228	190	83	3	18-144/35
91-20-3	Naphthalene	< 2.3	228	169	74	228	174	76	3	18-150/32
129-00-0	Pyrene	< 4.6	228	204	90	228	244	107	18	38-156/33

CAS No.	Surrogate Recoveries	MS	MSD	DA75980-1	Limits
321-60-8	2-Fluorobiphenyl	65%	86%	81%	22-138%
4165-60-0	Nitrobenzene-d5	66%	82%	78%	32-143%
1718-51-0	Terphenyl-d14	84%	93%	81%	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: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28833-MB	LW48615.D	1	10/10/25	JB	10/08/25	OP28833	GLW1135

The QC reported here applies to the following samples:

Method: SW846-8015C

DA75980-1, DA75980-2

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	100% 20-142%

7.1.1
7

Blank Spike Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28833-BS1	LW48616.D	1	10/10/25	JB	10/08/25	OP28833	GLW1135

The QC reported here applies to the following samples:

Method: SW846-8015C

DA75980-1, DA75980-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	202	101	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	113%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28833-BS2	LW48617.D	1	10/10/25	JB	10/08/25	OP28833	GLW1135

The QC reported here applies to the following samples:

Method: SW846-8015C

DA75980-1, DA75980-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	221	111	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	95%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28833-MS1	LW48618.D	1	10/10/25	JB	10/08/25	OP28833	GLW1135
OP28833-MSD1	LW48619.D	1	10/10/25	JB	10/08/25	OP28833	GLW1135
DA75976-8	LW48622.D	1	10/10/25	JB	10/08/25	OP28833	GLW1135

The QC reported here applies to the following samples:

Method: SW846-8015C

DA75980-1, DA75980-2

CAS No.	Compound	DA75976-8 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)	< 4.9	245	230	94	247	219	89	5	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA75976-8	Limits
84-15-1	o-Terphenyl	98%	91%	90%	20-142%

* = Outside of Control Limits.

7.3.1
7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA75980
Account: CHEVRCOG Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28833-MS2	LW48620.D	1	10/10/25	JB	10/08/25	OP28833	GLW1135
OP28833-MSD2	LW48621.D	1	10/10/25	JB	10/08/25	OP28833	GLW1135
DA75976-9	LW48623.D	1	10/10/25	JB	10/08/25	OP28833	GLW1135

The QC reported here applies to the following samples:

Method: SW846-8015C

DA75980-1, DA75980-2

CAS No.	Compound	DA75976-9 mg/kg	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-ORO (> C28-C36)	11.2	231	238	98	232	249	103	5	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA75976-9	Limits
84-15-1	o-Terphenyl	87%	79%	95%	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: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43461
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 10/08/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.52	5		
Antimony	0.40	.01	.05		
Arsenic	0.20	.05	.05	0.015	<0.20
Barium	2.0	.096	.24	0.29	<2.0
Beryllium	0.20	.077	.04		
Boron	40	18	10		
Cadmium	0.10	.03	.04	0.0045	<0.10
Calcium	400	25	30		
Chromium	2.0	.087	.6		
Cobalt	0.20	.04	.025		
Copper	2.0	.05	.25	0.018	<2.0
Iron	20	1.6	15		
Lead	0.50	.094	.2	-0.00049	<0.50
Magnesium	100	10	10		
Manganese	1.0	.079	.2		
Molybdenum	1.0	.037	.27		
Nickel	2.0	.098	.2	0.015	<2.0
Phosphorus	60	7.6	25		
Potassium	200	2	25		
Selenium	0.20	.05	.05	0.023	<0.20
Silver	0.10	.0081	.03	0.00082	<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	0.17	<10

Associated samples MP43461: DA75980-1, DA75980-2, DA75980-3, DA75980-4, DA75980-5

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

8.1.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43461
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 10/08/25

Metal	DA75981-6 Original MS		Spike/lot ICPMS6 % Rec		QC Limits
Aluminum					
Antimony					
Arsenic	4.4	96.3	99.4	92.4	75-125
Barium	98.9	291	199	96.6	75-125
Beryllium					
Boron					
Cadmium	0.19	49.9	49.7	100.0	75-125
Calcium					
Chromium					
Cobalt					
Copper	6.5	54.9	49.7	97.4	75-125
Iron					
Lead	7.9	105	99.4	97.7	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	7.0	55.2	49.7	97.0	75-125
Phosphorus					
Potassium					
Selenium	0.16	90.2	99.4	90.6	75-125
Silver	0.030	20.2	19.9	101.4	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	26.0	77.3	49.7	103.2	75-125

Associated samples MP43461: DA75980-1, DA75980-2, DA75980-3, DA75980-4, DA75980-5

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43461
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 10/08/25

Metal	DA75981-6 Original MSD		Spike/lot ICPMS6 % Rec		MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	4.4	87.9	88.5	94.3	9.1	20
Barium	98.9	276	177	100.0	5.3	20
Beryllium						
Boron						
Cadmium	0.19	46.0	44.3	103.5	8.1	20
Calcium						
Chromium						
Cobalt						
Copper	6.5	50.9	44.3	100.3	7.6	20
Iron						
Lead	7.9	97.0	88.5	100.6	7.9	20
Magnesium						
Manganese						
Molybdenum						
Nickel	7.0	51.0	44.3	99.4	7.9	20
Phosphorus						
Potassium						
Selenium	0.16	82.2	88.5	92.6	9.3	20
Silver	0.030	18.4	17.7	103.7	9.3	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	26.0	73.9	44.3	108.2	4.5	20

Associated samples MP43461: DA75980-1, DA75980-2, DA75980-3, DA75980-4, DA75980-5

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: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43461
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: mg/kg

Prep Date: 10/08/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	98.6	100	98.6	80-120
Barium	186	200	93.0	80-120
Beryllium				
Boron				
Cadmium	50.9	50	101.8	80-120
Calcium				
Chromium				
Cobalt				
Copper	51.3	50	102.6	80-120
Iron				
Lead	100	100	100.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	51.2	50	102.4	80-120
Phosphorus				
Potassium				
Selenium	97.9	100	97.9	80-120
Silver	20.3	20	101.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	50.6	50	101.2	80-120

Associated samples MP43461: DA75980-1, DA75980-2, DA75980-3, DA75980-4, DA75980-5

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: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43461
 Matrix Type: SOLID

Methods: SW846 6020B
 Units: ug/l

Prep Date: 10/08/25

Metal	DA75981-6 Original SDL 10:50%DIF		QC Limits	
Aluminum				
Antimony				
Arsenic	42.3	43.5	2.8	0-20
Barium	957	946	1.2	0-20
Beryllium				
Boron				
Cadmium	1.83	1.78	2.5	0-20
Calcium				
Chromium				
Cobalt				
Copper	62.9	63.4	0.7	0-20
Iron				
Lead	76.7	74.0	3.5	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	68.2	67.8	0.6	0-20
Phosphorus				
Potassium				
Selenium	1.60	2.58	61.7 (a)	0-20
Silver	0.295	0.00	100.0(a)	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	252	255	1.3	0-20

Associated samples MP43461: DA75980-1, DA75980-2, DA75980-3, DA75980-4, DA75980-5

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: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43468
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

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	-6.5	<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 MP43468: DA75980-1B, DA75980-2B, DA75980-3B, DA75980-4B, DA75980-5B

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

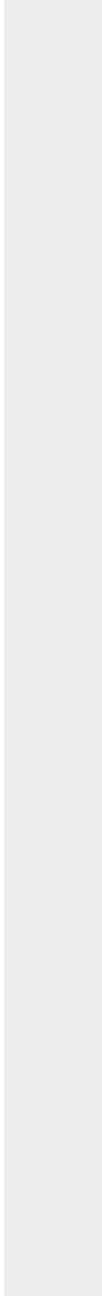
QC Batch ID: MP43468
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

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



8.2.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43468
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25 10/08/25

Metal	DA75981-6B Original	DUP	RPD	QC Limits	DA75981-6B Original MS	Spikelot ICPAL6	% Rec	QC Limits	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	106	103	2.9	0-20	106	9040	10000	89.3	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 MP43468: DA75980-1B, DA75980-2B, DA75980-3B, DA75980-4B, DA75980-5B

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

8.2.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

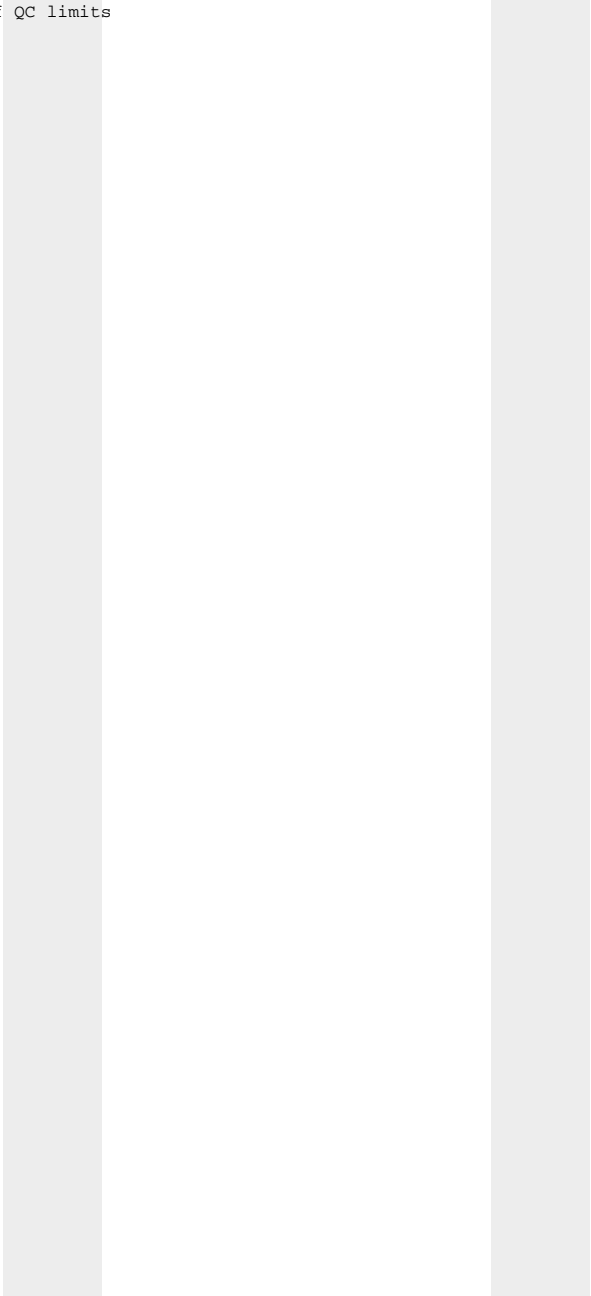
QC Batch ID: MP43468
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25 10/08/25

Metal	DA75981-6B Original DUP	RPD	QC Limits	DA75981-6B Original MS	Spikelot ICPAL6	% Rec	QC Limits
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(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: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43468
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9250	10000	92.5	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 MP43468: DA75980-1B, DA75980-2B, DA75980-3B, DA75980-4B, DA75980-5B

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

8.2.3
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

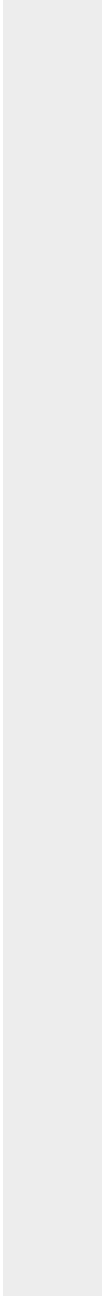
QC Batch ID: MP43468
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

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



8.2.3

8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43468
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25

Metal	Original	%DIF	QC Limits
Aluminum			
Antimony			
Arsenic			
Barium			
Beryllium			
Boron			
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 MP43468: DA75980-1B, DA75980-2B, DA75980-3B, DA75980-4B, DA75980-5B

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

8.2.4
 8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

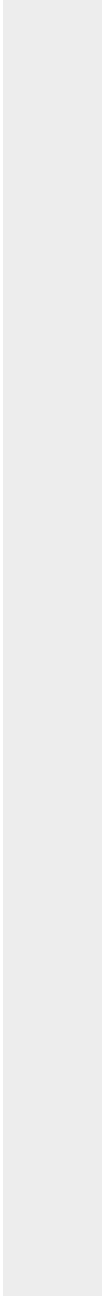
QC Batch ID: MP43468
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

Metal	Original	%DIF	QC Limits
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(anr) Analyte not requested



BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43482
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	690	230		
Antimony	450	210	100		
Arsenic	380	330	69		
Barium	150	4.5	20		
Beryllium	150	15	20		
Boron	750	50	95		
Cadmium	150	29	20		
Calcium	6000	99	750	-1100	<6000
Chromium	150	17	20		
Cobalt	75	41	9.5		
Copper	150	69	20		
Iron	1100	130	180		
Lead	750	200	95		
Lithium	75	9	20		
Magnesium	3000	740	380	-18	<3000
Manganese	75	7.5	9.5		
Molybdenum	150	130	42		
Nickel	450	93	57		
Phosphorus	1500	1400	240		
Potassium	15000	1300	1900		
Selenium	750	450	320		
Silicon	3000	620	2300		
Silver	450	9	57		
Sodium	6000	190	750	254	<6000
Strontium	75	1.5	9.5		
Thallium	150	260	65		
Tin	900	620	770		
Titanium	150	7.5	20		
Uranium	750	59	130		
Vanadium	150	14	20		
Zinc	450	140	57		

Associated samples MP43482: DA75980-1A, DA75980-2A, DA75980-3A, DA75980-4A, DA75980-5A

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

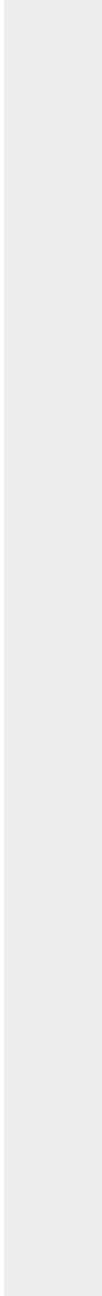
QC Batch ID: MP43482
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

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



MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43482
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25

Metal	DA75978-1A Original MS	SpikeLot ICPAL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	82200	463000	375000	101.5 75-125
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	12300	385000	375000	99.4 75-125
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	8190	380000	375000	99.1 75-125
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43482: DA75980-1A, DA75980-2A, DA75980-3A, DA75980-4A, DA75980-5A

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: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

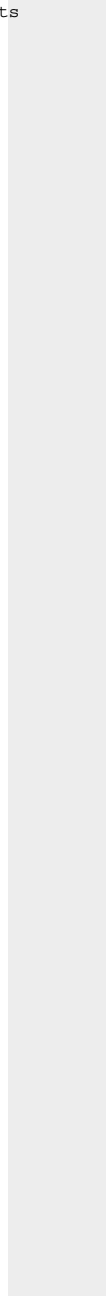
QC Batch ID: MP43482
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

Metal	DA75978-1A Original MS	SpikeLot ICPAL6	% Rec	QC Limits
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(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested



8.3.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43482
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25

Metal	DA75978-1A Original MSD	SpikeLot ICPAL6	% Rec	MSD RPD	QC Limit	
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	82200	442000	375000	95.9	4.6	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	12300	368000	375000	94.9	4.5	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	8190	369000	375000	96.2	2.9	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP43482: DA75980-1A, DA75980-2A, DA75980-3A, DA75980-4A, DA75980-5A

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

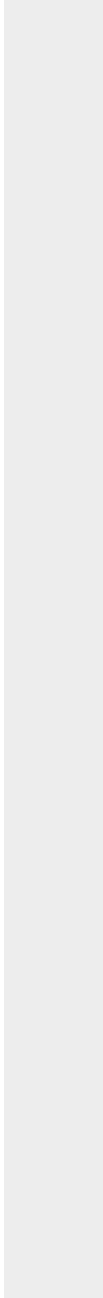
QC Batch ID: MP43482
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

Metal	DA75978-1A Original MSD	SpikeLot ICPAL6 % Rec	MSD RPD	QC Limit
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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: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43482
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	359000	375000	95.7	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	353000	375000	94.1	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	357000	375000	95.2	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43482: DA75980-1A, DA75980-2A, DA75980-3A, DA75980-4A, DA75980-5A

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

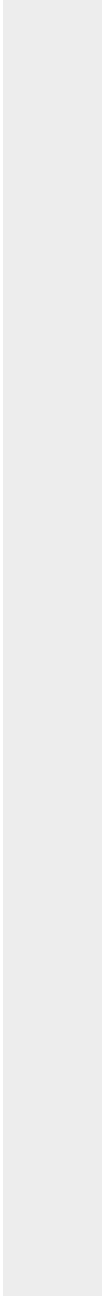
QC Batch ID: MP43482
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

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: DA75980
 Account: CHEVRCOG - Chevron USA, Inc.
 Project: CDH: Wells Ranch USX AE21-12WH

QC Batch ID: MP43482
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 10/08/25

Metal	DA75978-1A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	5480	5440	0.6	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	818	841	2.8	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	546	554	1.4	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP43482: DA75980-1A, DA75980-2A, DA75980-3A, DA75980-4A, DA75980-5A

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

8.3.4
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

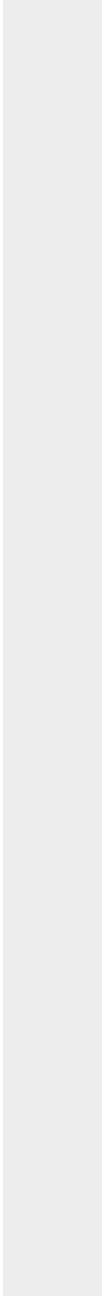
QC Batch ID: MP43482
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 10/08/25

Metal	DA75978-1A Original SDL 1:5	%DIF	QC Limits
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(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: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP39649/GN69651			mmhos/cm	1.409	1.3	94.1	90-110%

Associated Samples:

Batch GP39649: DA75980-1, DA75980-2, DA75980-3, DA75980-4, DA75980-5

(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75980
Account: CHEVRCOG - Chevron USA, Inc.
Project: CDH: Wells Ranch USX AE21-12WH

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP39649/GN69651	DA75981-2	mmhos/cm	0.33	0.32	3.7	0-20%
pH	GN69646	DA75940-14	su	7.77	7.80	0.4	0-5%

Associated Samples:

Batch GN69646: DA75980-1, DA75980-2, DA75980-3, DA75980-4, DA75980-5

Batch GP39649: DA75980-1, DA75980-2, DA75980-3, DA75980-4, DA75980-5

(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Orlando, FL)

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

FL

Client / Reporting Information Company Name: SGS North America Inc. Street Address: 4036 Youngfield Street City: Wheat Ridge, CO State: 8003 Project Contact: parna.eskandaripayandeh@sgs.com Phone #: 303-425-6021 Sampler(s) Name(s): NI		Project Information Project Name: CDH: Wells Ranch USX AE21-12WH Street: _____ Billing Information (if different from Report to) Project #: _____ Street Address: _____ Client Purchase Order #: _____ City: _____ State: _____ Zip: _____ Project Manager: _____ Attention: _____		FED-EX Tracking # _____ SGS Quote # _____ Matrix Order Control # _____ SGS Job # DA75980	
Requested Analysis (see TEST CODE sheet) [Empty grid for analysis codes]		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			
Collection Date: 10/6/25 Time: 3:22:00 PM Sampled by: NI Matrix: SO # of bottles: _____ Date: 10/6/25 Time: 3:29:00 PM Sampled by: NI Matrix: SO # of bottles: _____ Date: 10/6/25 Time: 3:32:00 PM Sampled by: DT Matrix: SO # of bottles: _____ Date: 10/6/25 Time: 3:44:00 PM Sampled by: DT Matrix: SO # of bottles: _____ Date: 10/6/25 Time: 3:52:00 PM Sampled by: DT Matrix: SO # of bottles: _____		Number of preserved Bottles HCl: _____ NiOH: _____ HNO3: _____ H2SO4: _____ H2O2: _____ DI Water: _____ MECH: _____ ENCORE: _____ XCRAT199: _____			
Turnaround Time (Business days): _____ Approved By (SGS PM): / Date: _____ <input type="checkbox"/> Standard 10 Day (business) <input type="checkbox"/> 5 Business Days RUSH <input type="checkbox"/> 3 Business Days RUSH <input type="checkbox"/> 2 Business Days RUSH <input type="checkbox"/> 1 Business Day EMERGENCY <input checked="" type="checkbox"/> other Due 10/21/2025 <small>Emergency & Rush T/A data available via Lablink Approval needed for RUSH/Emergency TAT</small>		Data Deliverable Information <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> State Forms <input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> EDD Format <input type="checkbox"/> REDT1 (Level 3) <input type="checkbox"/> Other _____ <input type="checkbox"/> FULL1 (Level 4) <input type="checkbox"/> _____ <input type="checkbox"/> Commercial "C" <input checked="" type="checkbox"/> CL <small>Commercial "A" = Results Only Commercial "B" = Results + QC Summary Commercial "C" = Results + QC Summary + Partial Raw data</small>			
Sample Custody must be documented below each time samples change possession, including courier delivery. Relinquished by Sampler: [Signature] Date Time: 10/8/25 Received By: 1 Date Time: _____ Relinquished by Sampler: _____ Date Time: _____ Received By: 3 Date Time: _____ Relinquished by: _____ Date Time: _____ Received By: 5 Date Time: _____		Comments / Special Instructions INITIAL ASSESSMENT LABEL VERIFICATION [Signature] Preserved where applicable: <input type="checkbox"/> Intact <input type="checkbox"/> Not intact Therm ID: _____ Cooler Temp: 12.0, 3.0 [Signature]			

10.1 10



SGS - Orlando Sample Receipt Summary

Job Number: da75980

Client: SGS

Project: CDH: WELLS RANCH USX AE21-12WH

Date / Time Received: 10/9/2025 4:00:00 PM

Delivery Method: FEDEX

Airbill #'s: 744490789799

Cooler Temps (Raw Measured) °C: Cooler 1: (1.0); Cooler 2: (2.0); Cooler 3: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (1.0); Cooler 2: (2.0); Cooler 3: (3.0);

Cooler Informatio

Y or N

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

Trip Blank Information

Y or N N/A

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

W or S N/A

- 3. Type of TB Received

Sample Information

Y or N N/A

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

Misc Information

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

Comments

Sample Receipt Summary 112723 EK Technician: HALEIGHR Date: 10/10/2025 8:56:45 AM Reviewer: _____ Date: _____

DA75980: 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: DA75980
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: CDH: Wells Ranch USX AE21-12WH

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP42089/GN1822	0.40	0.0	mg/kg	10.08	10.2	101.6	80-120%
Chromium, Hexavalent	GP42089/GN1822			mg/kg	715	696	97.3	80-120%
Chromium, Hexavalent	GP42095/GN1821			mg/kg	9.92	9.21	92.8	80-120%
Chromium, Hexavalent	GP42095/GN1821	0.39	0.0	mg/kg	725	636	87.7	80-120%

Associated Samples:

Batch GP42089: DA75980-1, DA75980-2

Batch GP42095: DA75980-3, DA75980-4, DA75980-5

(*) Outside of QC limits

11.1
11

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75980
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: CDH: Wells Ranch USX AE21-12WH

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP42089/GN1822	DA75975-9	mg/kg	0.0	12.45	12.9	103.6	75-125%
Chromium, Hexavalent	GP42089/GN1822	DA75975-9	mg/kg	0.0	644	766	119.1	75-125%
Chromium, Hexavalent	GP42095/GN1821	DA75980-3	mg/kg	0.0	10.27	10.3	99.2	75-125%
Chromium, Hexavalent	GP42095/GN1821	DA75980-3	mg/kg	0.0	748	714	95.5	75-125%

Associated Samples:

Batch GP42089: DA75980-1, DA75980-2

Batch GP42095: DA75980-3, DA75980-4, DA75980-5

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

MATRIX SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA75980
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVR COG: CDH: Wells Ranch USX AE21-12WH

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MSD Result	RPD	QC Limit
Chromium, Hexavalent	GP42089/GN1822	DA75975-9	mg/kg	0.0	12.45	13.1	1.5	20%
Chromium, Hexavalent	GP42095/GN1821	DA75980-3	mg/kg	0.0	10.35	10.6	2.8	20%

Associated Samples:

Batch GP42089: DA75980-1, DA75980-2

Batch GP42095: DA75980-3, DA75980-4, DA75980-5

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits