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

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Automated Report

Technical Report for

Chevron USA, Inc.

TASMCOA: Anderson 33,34-34 Facility

10562

SGS Job Number: DA73174

Sampling Date: 06/19/25

Report to:

Chevron USA, Inc.
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Greeley, CO 80634
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ATTN: Andy Sagen

Total number of pages in report: **149**

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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SGS North America Inc.

Sample Summary

Chevron USA, Inc.

Job No: DA73174

TASMCOA: Anderson 33,34-34 Facility
Project No: 10562

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA73174-1	06/19/25	09:53	DS	06/19/25	SO	Soil	SEP01-DL@4'
DA73174-1A	06/19/25	09:53	DS	06/19/25	SO	Soil	SEP01-DL@4'
DA73174-1B	06/19/25	09:53	DS	06/19/25	SO	Soil	SEP01-DL@4'
DA73174-2	06/19/25	13:03	DS	06/19/25	SO	Soil	SEP01-FL@4'
DA73174-2A	06/19/25	13:03	DS	06/19/25	SO	Soil	SEP01-FL@4'
DA73174-2B	06/19/25	13:03	DS	06/19/25	SO	Soil	SEP01-FL@4'
DA73174-3	06/19/25	11:27	DS	06/19/25	SO	Soil	AST01@0-6"
DA73174-3A	06/19/25	11:27	DS	06/19/25	SO	Soil	AST01@0-6"
DA73174-3B	06/19/25	11:27	DS	06/19/25	SO	Soil	AST01@0-6"
DA73174-4	06/19/25	11:31	DS	06/19/25	SO	Soil	AST02@0-6"
DA73174-4A	06/19/25	11:31	DS	06/19/25	SO	Soil	AST02@0-6"
DA73174-4B	06/19/25	11:31	DS	06/19/25	SO	Soil	AST02@0-6"

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

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA73174

TASMCOA: Anderson 33,34-34 Facility
Project No: 10562

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA73174-5	06/19/25	10:18	DS	06/19/25	SO	Soil	PWV01-B@4'
DA73174-5A	06/19/25	10:18	DS	06/19/25	SO	Soil	PWV01-B@4'
DA73174-5B	06/19/25	10:18	DS	06/19/25	SO	Soil	PWV01-B@4'
DA73174-7	06/19/25	10:26	DS	06/19/25	SO	Soil	PWV01-E@2.5'
DA73174-7A	06/19/25	10:26	DS	06/19/25	SO	Soil	PWV01-E@2.5'
DA73174-7B	06/19/25	10:26	DS	06/19/25	SO	Soil	PWV01-E@2.5'
DA73174-10	06/19/25	12:39	DS	06/19/25	SO	Soil	BKG01@0-6'
DA73174-10A	06/19/25	12:39	DS	06/19/25	SO	Soil	BKG01@0-6'
DA73174-10B	06/19/25	12:39	DS	06/19/25	SO	Soil	BKG01@0-6'
DA73174-11	06/19/25	12:42	DS	06/19/25	SO	Soil	BKG01@2.5'
DA73174-11A	06/19/25	12:42	DS	06/19/25	SO	Soil	BKG01@2.5'
DA73174-11B	06/19/25	12:42	DS	06/19/25	SO	Soil	BKG01@2.5'
DA73174-12	06/19/25	12:46	DS	06/19/25	SO	Soil	BKG01@4'

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

Sample Summary
(continued)

Chevron USA, Inc.

Job No: DA73174

TASMCOA: Anderson 33,34-34 Facility
Project No: 10562

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA73174-12A	06/19/25	12:46	DS	06/19/25	SO	Soil	BKG01@4'
DA73174-12B	06/19/25	12:46	DS	06/19/25	SO	Soil	BKG01@4'
DA73174-13	06/19/25	12:50	DS	06/19/25	SO	Soil	BKG01@5'
DA73174-13A	06/19/25	12:50	DS	06/19/25	SO	Soil	BKG01@5'
DA73174-13B	06/19/25	12:50	DS	06/19/25	SO	Soil	BKG01@5'

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

Summary of Hits

Job Number: DA73174
Account: Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility
Collected: 06/19/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73174-1	**SEP01-DL@4'**					
Arsenic		3.1	0.12		mg/kg	SW846 6020B
Barium		81.8	1.2		mg/kg	SW846 6020B
Cadmium		0.10	0.062		mg/kg	SW846 6020B
Copper		5.2	1.2		mg/kg	SW846 6020B
Lead		5.4	0.31		mg/kg	SW846 6020B
Nickel		6.4	1.2		mg/kg	SW846 6020B
Zinc		23.3	6.2		mg/kg	SW846 6020B
pH		8.05			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.62	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73174-1A	**SEP01-DL@4'**					
Calcium		36.7	6.0		mg/l	SW846 6010C
Magnesium		33.2	3.0		mg/l	SW846 6010C
Sodium		20.5	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.591			ratio	USDA HANDBOOK 60
DA73174-1B	**SEP01-DL@4'**					
No hits reported in this sample.						
DA73174-2	**SEP01-FL@4'**					
TPH-DRO (C10-C28)		36.8	4.2	4.0	mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		118	6.2	5.2	mg/kg	SW846-8015C
Arsenic		2.9	0.11		mg/kg	SW846 6020B
Barium		65.1	1.1		mg/kg	SW846 6020B
Cadmium		0.079	0.054		mg/kg	SW846 6020B
Copper		7.0	1.1		mg/kg	SW846 6020B
Lead		5.7	0.27		mg/kg	SW846 6020B
Nickel		6.8	1.1		mg/kg	SW846 6020B
Zinc		26.1	5.4		mg/kg	SW846 6020B
pH		7.92			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.95	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73174-2A	**SEP01-FL@4'**					
Calcium		109	6.0		mg/l	SW846 6010C
Magnesium		33.2	3.0		mg/l	SW846 6010C
Sodium		46.4	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.998			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA73174
Account: Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility
Collected: 06/19/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73174-2B	**SEP01-FL@4'**					
No hits reported in this sample.						
DA73174-3	**AST01@0-6"**					
Fluoranthene		0.0028 J	0.0039	0.0020	mg/kg	SW846 8270E
Pyrene		0.0025 J	0.0039	0.0020	mg/kg	SW846 8270E
Arsenic		1.8	0.10		mg/kg	SW846 6020B
Barium		30.7	1.0		mg/kg	SW846 6020B
Copper		4.2	1.0		mg/kg	SW846 6020B
Lead		2.7	0.26		mg/kg	SW846 6020B
Nickel		2.9	1.0		mg/kg	SW846 6020B
Zinc		11.8	5.1		mg/kg	SW846 6020B
pH		7.76			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.78	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73174-3A	**AST01@0-6"**					
Calcium		74.3	6.0		mg/l	SW846 6010C
Magnesium		24.1	3.0		mg/l	SW846 6010C
Sodium		50.0	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		1.29			ratio	USDA HANDBOOK 60
DA73174-3B	**AST01@0-6"**					
No hits reported in this sample.						
DA73174-4	**AST02@0-6"**					
Arsenic		3.4	0.11		mg/kg	SW846 6020B
Barium		45.6	1.1		mg/kg	SW846 6020B
Copper		5.5	1.1		mg/kg	SW846 6020B
Lead		3.1	0.26		mg/kg	SW846 6020B
Nickel		4.2	1.1		mg/kg	SW846 6020B
Zinc		13.0	5.3		mg/kg	SW846 6020B
pH		7.65			su	WREP-125,4E-SATPASTE
Specific Conductivity		1.4	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73174-4A	**AST02@0-6"**					
Calcium		132	6.0		mg/l	SW846 6010C
Magnesium		49.7	3.0		mg/l	SW846 6010C
Sodium		73.8	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		1.39			ratio	USDA HANDBOOK 60

Summary of Hits

Job Number: DA73174
Account: Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility
Collected: 06/19/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73174-4B	**AST02@0-6"**					
No hits reported in this sample.						
DA73174-5	**PWV01-B@4'**					
TPH-DRO (C10-C28)		18.0	4.8	4.5	mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		27.6	7.1	6.0	mg/kg	SW846-8015C
Arsenic		4.9	0.12		mg/kg	SW846 6020B
Barium		127	1.2		mg/kg	SW846 6020B
Cadmium		0.18	0.062		mg/kg	SW846 6020B
Copper		9.5	1.2		mg/kg	SW846 6020B
Lead		9.1	0.31		mg/kg	SW846 6020B
Nickel		10.7	1.2		mg/kg	SW846 6020B
Zinc		39.0	6.2		mg/kg	SW846 6020B
pH		7.78			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.32	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73174-5A	**PWV01-B@4'**					
Calcium		567	6.0		mg/l	SW846 6010C
Magnesium		258	3.0		mg/l	SW846 6010C
Sodium		71.8	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.628			ratio	USDA HANDBOOK 60
DA73174-5B	**PWV01-B@4'**					
No hits reported in this sample.						
DA73174-7	**PWV01-E@2.5'**					
Arsenic		3.7	0.11		mg/kg	SW846 6020B
Barium		74.7	1.1		mg/kg	SW846 6020B
Cadmium		0.12	0.057		mg/kg	SW846 6020B
Copper		6.0	1.1		mg/kg	SW846 6020B
Lead		6.5	0.28		mg/kg	SW846 6020B
Nickel		7.5	1.1		mg/kg	SW846 6020B
Zinc		27.1	5.7		mg/kg	SW846 6020B
pH		8.00			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.42	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73174-7A	**PWV01-E@2.5'**					
Calcium		50.2	6.0		mg/l	SW846 6010C

Summary of Hits

Job Number: DA73174
Account: Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility
Collected: 06/19/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Magnesium		22.5	3.0		mg/l	SW846 6010C
Sodium		6.50	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		0.192			ratio	USDA HANDBOOK 60
DA73174-7B	**PWV01-E@2.5'**					
No hits reported in this sample.						
DA73174-10	**BKG01@0-6'**					
Arsenic		3.3	0.11		mg/kg	SW846 6020B
Barium		60.8	1.1		mg/kg	SW846 6020B
Cadmium		0.14	0.055		mg/kg	SW846 6020B
Copper		4.6	1.1		mg/kg	SW846 6020B
Lead		6.0	0.28		mg/kg	SW846 6020B
Nickel		5.8	1.1		mg/kg	SW846 6020B
Selenium		0.31	0.22		mg/kg	SW846 6020B
Zinc		21.7	5.5		mg/kg	SW846 6020B
pH		7.69			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.46	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73174-10A	**BKG01@0-6'**					
Calcium		457	6.0		mg/l	SW846 6010C
Magnesium		422	3.0		mg/l	SW846 6010C
Sodium		358	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		2.90			ratio	USDA HANDBOOK 60
DA73174-10B	**BKG01@0-6'**					
No hits reported in this sample.						
DA73174-11	**BKG01@2.5'**					
Arsenic		2.4	0.11		mg/kg	SW846 6020B
Barium		47.0	1.1		mg/kg	SW846 6020B
Cadmium		0.10	0.053		mg/kg	SW846 6020B
Copper		3.2	1.1		mg/kg	SW846 6020B
Lead		4.1	0.26		mg/kg	SW846 6020B
Nickel		4.4	1.1		mg/kg	SW846 6020B
Zinc		16.1	5.3		mg/kg	SW846 6020B
pH		7.94			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.67	0.0010		mmhos/cm	SM 2510B-2011 MOD

Summary of Hits

Job Number: DA73174
Account: Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility
Collected: 06/19/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA73174-11A	**BKG01@2.5'**					
Calcium		466	6.0		mg/l	SW846 6010C
Magnesium		742	3.0		mg/l	SW846 6010C
Sodium		833	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		5.58			ratio	USDA HANDBOOK 60
DA73174-11B	**BKG01@2.5'**					
Boron		0.794	0.50		mg/l	SW846 6010C
DA73174-12	**BKG01@4'**					
Arsenic		3.9	0.12		mg/kg	SW846 6020B
Barium		69.1	1.2		mg/kg	SW846 6020B
Cadmium		0.15	0.059		mg/kg	SW846 6020B
Copper		5.5	1.2		mg/kg	SW846 6020B
Lead		6.7	0.29		mg/kg	SW846 6020B
Nickel		7.4	1.2		mg/kg	SW846 6020B
Zinc		27.0	5.9		mg/kg	SW846 6020B
pH		7.85			su	WREP-125,4E-SATPASTE
Specific Conductivity		0.44	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73174-12A	**BKG01@4'**					
Calcium		417	6.0		mg/l	SW846 6010C
Magnesium		415	3.0		mg/l	SW846 6010C
Sodium		323	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		2.68			ratio	USDA HANDBOOK 60
DA73174-12B	**BKG01@4'**					
No hits reported in this sample.						
DA73174-13	**BKG01@5'**					
Arsenic		5.2	0.12		mg/kg	SW846 6020B
Barium		110	1.2		mg/kg	SW846 6020B
Cadmium		0.25	0.058		mg/kg	SW846 6020B
Copper		9.3	1.2		mg/kg	SW846 6020B
Lead		9.3	0.29		mg/kg	SW846 6020B
Nickel		10.9	1.2		mg/kg	SW846 6020B
Silver		0.062	0.058		mg/kg	SW846 6020B
Zinc		37.8	5.8		mg/kg	SW846 6020B
pH		8.01			su	WREP-125,4E-SATPASTE

Summary of Hits

Job Number: DA73174
Account: Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility
Collected: 06/19/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Specific Conductivity		1.2	0.0010		mmhos/cm	SM 2510B-2011 MOD
DA73174-13A	**BKG01@5'**					
Calcium		96.7	6.0		mg/l	SW846 6010C
Magnesium		78.6	3.0		mg/l	SW846 6010C
Sodium		82.4	6.0		mg/l	SW846 6010C
Sodium Adsorption Ratio [a]		1.51			ratio	USDA HANDBOOK 60
DA73174-13B	**BKG01@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

Client Sample ID:	SEP01-DL@4'		
Lab Sample ID:	DA73174-1	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8260B	**Percent Solids:**	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V61636.D	1	06/29/25 11:36	MB	n/a	n/a	V6V2949
Run #2							

	Initial Weight	Final Volume
Run #1	5.20 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0012	0.00060	mg/kg	
100-41-4	Ethylbenzene	ND	0.0024	0.00060	mg/kg	
108-88-3	Toluene	ND	0.0024	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0024	0.0011	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0024	0.0011	mg/kg	
	m,p-Xylene	ND	0.0024	0.0022	mg/kg	
95-47-6	o-Xylene	ND	0.0024	0.00084	mg/kg	
1330-20-7	Xylene (total)	ND	0.0024	0.0022	mg/kg	
	TPH-GRO (C6-C10)	ND	0.24	0.14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	90%		70-130%
17060-07-0	1,2-Dichloroethane-D4	101%		70-130%

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

Report of Analysis

Client Sample ID:	SEP01-DL@4'		
Lab Sample ID:	DA73174-1	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G57884.D	1	06/25/25 14:04	ZL	06/24/25 15:00	OP27926	E3G2821
Run #2							

	Initial Weight	Final Volume
Run #1	5.4 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0046	0.0023	mg/kg	
120-12-7	Anthracene	ND	0.0046	0.0023	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0058	0.0035	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0046	0.0023	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0046	0.0023	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0046	0.0023	mg/kg	
218-01-9	Chrysene	ND	0.0046	0.0023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0046	0.0023	mg/kg	
206-44-0	Fluoranthene	ND	0.0046	0.0023	mg/kg	
86-73-7	Fluorene	ND	0.0046	0.0023	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0046	0.0023	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0046	0.0023	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0046	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0023	0.0017	mg/kg	
129-00-0	Pyrene	ND	0.0046	0.0023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	54%		10-130%
4165-60-0	Nitrobenzene-d5	87% [a]		10-130%
1718-51-0	Terphenyl-d14	70%		10-130%

(a) Associated CCV outside control limits biased high. Surrogate recovery meets acceptable criteria.

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

Report of Analysis

Client Sample ID:	SEP01-DL@4'		
Lab Sample ID:	DA73174-1	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP081457.D	1	06/22/25 13:52	JB	06/20/25 10:00	OP27901	GFP2428
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28) [a]	ND	5.0	4.8	mg/kg	
	TPH-ORO (> C28-C36)	ND	7.2	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		20-142%

(a) Associated CCV outside control limits biased high, sample is ND.

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

Report of Analysis

Client Sample ID: SEP01-DL@4'
Lab Sample ID: DA73174-1
Matrix: SO - Soil
Project: TASMCOA: Anderson 33,34-34 Facility

Date Sampled: 06/19/25
Date Received: 06/19/25
Percent Solids: 80.4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.1	0.12	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	81.8	1.2	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.10	0.062	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	5.2	1.2	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	5.4	0.31	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	6.4	1.2	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.25	0.25	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.062	0.062	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	23.3	6.2	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19290
(2) Prep QC Batch: MP41660

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-DL@4'		
Lab Sample ID:	DA73174-1	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	80.4		%	1	06/23/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	8.05		su	1	06/26/25 12:17	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.62	0.0010	mmhos/cm	1	06/26/25 12:00	JW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.50	0.50	mg/kg	1	06/30/25 21:58	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-DL@4'		
Lab Sample ID:	DA73174-1A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	36.7	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	33.2	3.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	20.5	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19306
(2) Prep QC Batch: MP41742

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-DL@4'		
Lab Sample ID:	DA73174-1A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.591		ratio	1	07/01/25 16:40	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-DL@4'		
Lab Sample ID:	DA73174-1B	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

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	06/23/25	06/25/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19285
(2) Prep QC Batch: MP41659

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-FL@4'		
Lab Sample ID:	DA73174-2	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8260B	**Percent Solids:**	90.7
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V61637.D	1	06/29/25 11:59	MB	n/a	n/a	V6V2949
Run #2							

	Initial Weight	Final Volume
Run #1	5.38 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00051	mg/kg	
100-41-4	Ethylbenzene	ND	0.0020	0.00051	mg/kg	
108-88-3	Toluene	ND	0.0020	0.0010	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0020	0.00092	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0020	0.00092	mg/kg	
	m,p-Xylene	ND	0.0020	0.0018	mg/kg	
95-47-6	o-Xylene	ND	0.0020	0.00072	mg/kg	
1330-20-7	Xylene (total)	ND	0.0020	0.0018	mg/kg	
	TPH-GRO (C6-C10)	ND	0.20	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	88%		70-130%
17060-07-0	1,2-Dichloroethane-D4	108%		70-130%

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

Report of Analysis

Client Sample ID:	SEP01-FL@4'		
Lab Sample ID:	DA73174-2	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	90.7
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G57901.D	1	06/25/25 21:46	ZL	06/24/25 15:00	OP27926	E3G2821
Run #2							

	Initial Weight	Final Volume
Run #1	5.4 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0041	0.0020	mg/kg	
120-12-7	Anthracene	ND	0.0041	0.0020	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0051	0.0031	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0041	0.0020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0041	0.0020	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0041	0.0020	mg/kg	
218-01-9	Chrysene	ND	0.0041	0.0020	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0041	0.0020	mg/kg	
206-44-0	Fluoranthene	ND	0.0041	0.0020	mg/kg	
86-73-7	Fluorene	ND	0.0041	0.0020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0041	0.0020	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0041	0.0020	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0041	0.0020	mg/kg	
91-20-3	Naphthalene	ND	0.0020	0.0015	mg/kg	
129-00-0	Pyrene	ND	0.0041	0.0020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	68%		10-130%
4165-60-0	Nitrobenzene-d5	89% [a]		10-130%
1718-51-0	Terphenyl-d14	72%		10-130%

(a) Associated CCV outside control limits biased high. Surrogate recovery meets acceptable criteria.

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

Report of Analysis

Client Sample ID:	SEP01-FL@4'		
Lab Sample ID:	DA73174-2	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	90.7
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP081701.D	1	06/26/25 02:19	JB	06/20/25 10:00	OP27901	GFP2432
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	36.8	4.2	4.0	mg/kg	
	TPH-ORO (> C28-C36)	118	6.2	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		20-142%

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

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

Report of Analysis

Client Sample ID:	SEP01-FL@4'		
Lab Sample ID:	DA73174-2	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	90.7
Project:	TASMCOA: Anderson 33,34-34 Facility		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	0.11	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	65.1	1.1	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.079	0.054	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	7.0	1.1	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	5.7	0.27	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	6.8	1.1	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.21	0.21	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.054	0.054	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	26.1	5.4	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19290
(2) Prep QC Batch: MP41660

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-FL@4'		
Lab Sample ID:	DA73174-2	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	90.7
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	90.7		%	1	06/23/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.92		su	1	06/26/25 12:17	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.95	0.0010	mmhos/cm	1	06/26/25 12:00	JW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.44	0.44	mg/kg	1	06/30/25 22:14	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-FL@4'		
Lab Sample ID:	DA73174-2A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	90.7
Project:	TASMCOA: Anderson 33,34-34 Facility		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	109	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	33.2	3.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	46.4	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19306
(2) Prep QC Batch: MP41742

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-FL@4'		
Lab Sample ID:	DA73174-2A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	90.7
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.998		ratio	1	07/01/25 16:46	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP01-FL@4'		
Lab Sample ID:	DA73174-2B	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	90.7
Project:	TASMCOA: Anderson 33,34-34 Facility		

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	06/23/25	06/25/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19285
(2) Prep QC Batch: MP41659

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73174-3	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8260B	**Percent Solids:**	94.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V61638.D	1	06/29/25 12:21	MB	n/a	n/a	V6V2949
Run #2							

	Initial Weight	Final Volume
Run #1	5.23 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0010	0.00050	mg/kg	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/kg	
108-88-3	Toluene	ND	0.0020	0.0010	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0020	0.00091	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0020	0.00091	mg/kg	
	m,p-Xylene	ND	0.0020	0.0018	mg/kg	
95-47-6	o-Xylene	ND	0.0020	0.00071	mg/kg	
1330-20-7	Xylene (total)	ND	0.0020	0.0018	mg/kg	
	TPH-GRO (C6-C10)	ND	0.20	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%
17060-07-0	1,2-Dichloroethane-D4	104%		70-130%

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

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73174-3	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	94.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G57885.D	1	06/25/25 14:31	ZL	06/24/25 15:00	OP27926	E3G2821
Run #2							

	Initial Weight	Final Volume
Run #1	5.4 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0039	0.0020	mg/kg	
120-12-7	Anthracene	ND	0.0039	0.0020	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0049	0.0029	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0039	0.0020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0039	0.0020	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0039	0.0020	mg/kg	
218-01-9	Chrysene	ND	0.0039	0.0020	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0039	0.0020	mg/kg	
206-44-0	Fluoranthene	0.0028	0.0039	0.0020	mg/kg	J
86-73-7	Fluorene	ND	0.0039	0.0020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0039	0.0020	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0039	0.0020	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0039	0.0020	mg/kg	
91-20-3	Naphthalene	ND	0.0020	0.0015	mg/kg	
129-00-0	Pyrene	0.0025	0.0039	0.0020	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	69%		10-130%
4165-60-0	Nitrobenzene-d5	91% [a]		10-130%
1718-51-0	Terphenyl-d14	80%		10-130%

(a) Associated CCV outside control limits biased high. Surrogate recovery meets acceptable criteria.

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

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73174-3	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	94.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP081459.D	1	06/22/25 14:22	JB	06/20/25 10:00	OP27901	GFP2428
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28) [a]	ND	4.2	4.1	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.0	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	90%		20-142%

(a) Associated CCV outside control limits biased high, sample is ND.

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

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73174-3	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	94.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.8	0.10	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	30.7	1.0	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.051	0.051	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	4.2	1.0	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	2.7	0.26	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	2.9	1.0	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.051	0.051	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	11.8	5.1	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19290
(2) Prep QC Batch: MP41660

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73174-3	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	94.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	94.8		%	1	06/23/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.76		su	1	06/26/25 12:17	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.78	0.0010	mmhos/cm	1	06/26/25 12:00	JW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	06/30/25 22:30	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73174-3A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	94.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	74.3	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	24.1	3.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	50.0	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19306
(2) Prep QC Batch: MP41742

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73174-3A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	94.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.29		ratio	1	07/01/25 16:47	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST01@0-6"		
Lab Sample ID:	DA73174-3B	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	94.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

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	06/23/25	06/25/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19285
(2) Prep QC Batch: MP41659

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73174-4	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8260B	**Percent Solids:**	94.9
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V61639.D	1	06/29/25 12:43	MB	n/a	n/a	V6V2949
Run #2							

	Initial Weight	Final Volume
Run #1	5.32 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.00099	0.00050	mg/kg	
100-41-4	Ethylbenzene	ND	0.0020	0.00050	mg/kg	
108-88-3	Toluene	ND	0.0020	0.00099	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0020	0.00089	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0020	0.00089	mg/kg	
	m,p-Xylene	ND	0.0020	0.0018	mg/kg	
95-47-6	o-Xylene	ND	0.0020	0.00069	mg/kg	
1330-20-7	Xylene (total)	ND	0.0020	0.0018	mg/kg	
	TPH-GRO (C6-C10)	ND	0.20	0.12	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	88%		70-130%
17060-07-0	1,2-Dichloroethane-D4	106%		70-130%

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

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73174-4	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	94.9
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G57886.D	1	06/25/25 14:58	ZL	06/24/25 15:00	OP27926	E3G2821
Run #2							

	Initial Weight	Final Volume
Run #1	5.4 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0039	0.0020	mg/kg	
120-12-7	Anthracene	ND	0.0039	0.0020	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0049	0.0029	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0039	0.0020	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0039	0.0020	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0039	0.0020	mg/kg	
218-01-9	Chrysene	ND	0.0039	0.0020	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0039	0.0020	mg/kg	
206-44-0	Fluoranthene	ND	0.0039	0.0020	mg/kg	
86-73-7	Fluorene	ND	0.0039	0.0020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0039	0.0020	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0039	0.0020	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0039	0.0020	mg/kg	
91-20-3	Naphthalene	ND	0.0020	0.0015	mg/kg	
129-00-0	Pyrene	ND	0.0039	0.0020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	69%		10-130%
4165-60-0	Nitrobenzene-d5	87% [a]		10-130%
1718-51-0	Terphenyl-d14	79%		10-130%

(a) Associated CCV outside control limits biased high. Surrogate recovery meets acceptable criteria.

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

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73174-4	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	94.9
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP081460.D	1	06/22/25 14:37	JB	06/20/25 10:00	OP27901	GFP2428
Run #2							

	Initial Weight	Final Volume
Run #1	5.4 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28) [a]	ND	4.1	4.0	mg/kg	
	TPH-ORO (> C28-C36)	ND	5.9	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		20-142%

(a) Associated CCV outside control limits biased high, sample is ND.

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

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73174-4	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	94.9
Project:	TASMCOA: Anderson 33,34-34 Facility		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.4	0.11	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	45.6	1.1	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	< 0.053	0.053	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	5.5	1.1	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	3.1	0.26	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.2	1.1	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.21	0.21	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.053	0.053	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	13.0	5.3	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19290
(2) Prep QC Batch: MP41660

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73174-4	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	94.9
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	94.9		%	1	06/23/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.65		su	1	06/26/25 12:17	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.4	0.0010	mmhos/cm	1	06/26/25 12:00	JW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.43	0.43	mg/kg	1	06/30/25 22:46	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73174-4A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	94.9
Project:	TASMCOA: Anderson 33,34-34 Facility		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	132	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	49.7	3.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	73.8	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19306
(2) Prep QC Batch: MP41742

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73174-4A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	94.9
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.39		ratio	1	07/01/25 16:49	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	AST02@0-6"		
Lab Sample ID:	DA73174-4B	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	94.9
Project:	TASMCOA: Anderson 33,34-34 Facility		

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	06/23/25	06/25/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19285
(2) Prep QC Batch: MP41659

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01-B@4'		
Lab Sample ID:	DA73174-5	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8260B	**Percent Solids:**	78.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V61640.D	1	06/29/25 13:05	MB	n/a	n/a	V6V2949
Run #2							

	Initial Weight	Final Volume
Run #1	5.21 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0012	0.00061	mg/kg	
100-41-4	Ethylbenzene	ND	0.0024	0.00061	mg/kg	
108-88-3	Toluene	ND	0.0024	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0024	0.0011	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0024	0.0011	mg/kg	
	m,p-Xylene	ND	0.0024	0.0022	mg/kg	
95-47-6	o-Xylene	ND	0.0024	0.00085	mg/kg	
1330-20-7	Xylene (total)	ND	0.0024	0.0022	mg/kg	
	TPH-GRO (C6-C10)	ND	0.24	0.15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	89%		70-130%
17060-07-0	1,2-Dichloroethane-D4	106%		70-130%

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

Report of Analysis

Client Sample ID:	PWV01-B@4'		
Lab Sample ID:	DA73174-5	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	78.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G57897.D	1	06/25/25 19:58	ZL	06/24/25 15:00	OP27926	E3G2821
Run #2							

	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	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0050	0.0025	mg/kg	
120-12-7	Anthracene	ND	0.0050	0.0025	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0062	0.0037	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0050	0.0025	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0050	0.0025	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0050	0.0025	mg/kg	
218-01-9	Chrysene	ND	0.0050	0.0025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0050	0.0025	mg/kg	
206-44-0	Fluoranthene	ND	0.0050	0.0025	mg/kg	
86-73-7	Fluorene	ND	0.0050	0.0025	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0050	0.0025	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0050	0.0025	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0050	0.0025	mg/kg	
91-20-3	Naphthalene	ND	0.0025	0.0019	mg/kg	
129-00-0	Pyrene	ND	0.0050	0.0025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	59%		10-130%
4165-60-0	Nitrobenzene-d5	85% [a]		10-130%
1718-51-0	Terphenyl-d14	70%		10-130%

(a) Associated CCV outside control limits biased high. Surrogate recovery meets acceptable criteria.

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

Report of Analysis

Client Sample ID:	PWV01-B@4'		
Lab Sample ID:	DA73174-5	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	78.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP081702.D	1	06/26/25 02:34	JB	06/20/25 10:00	OP27901	GFP2432
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	18.0	4.8	4.5	mg/kg	
	TPH-ORO (> C28-C36)	27.6	7.1	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		20-142%

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

Report of Analysis

Client Sample ID:	PWV01-B@4'		
Lab Sample ID:	DA73174-5	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	78.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.9	0.12	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	127	1.2	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.18	0.062	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	9.5	1.2	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	9.1	0.31	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	10.7	1.2	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.25	0.25	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.062	0.062	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	39.0	6.2	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19290
(2) Prep QC Batch: MP41660

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01-B@4'		
Lab Sample ID:	DA73174-5	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	78.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	78.8		%	1	06/23/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.78		su	1	06/26/25 12:17	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.32	0.0010	mmhos/cm	1	06/26/25 12:00	JW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.50	0.50	mg/kg	1	06/30/25 23:25	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01-B@4'		
Lab Sample ID:	DA73174-5A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	78.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	567	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	258	3.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	71.8	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19306
(2) Prep QC Batch: MP41742

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01-B@4'		
Lab Sample ID:	DA73174-5A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	78.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.628		ratio	1	07/01/25 16:50	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01-B@4'		
Lab Sample ID:	DA73174-5B	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	78.8
Project:	TASMCOA: Anderson 33,34-34 Facility		

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	06/23/25	06/25/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19285
(2) Prep QC Batch: MP41659

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01-E@2.5'		
Lab Sample ID:	DA73174-7	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8260B	**Percent Solids:**	81.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V61641.D	1	06/29/25 13:28	MB	n/a	n/a	V6V2949
Run #2							

	Initial Weight	Final Volume
Run #1	5.42 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.0011	0.00057	mg/kg	
100-41-4	Ethylbenzene	ND	0.0023	0.00057	mg/kg	
108-88-3	Toluene	ND	0.0023	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0023	0.0010	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0023	0.0010	mg/kg	
	m,p-Xylene	ND	0.0023	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0023	0.00079	mg/kg	
1330-20-7	Xylene (total)	ND	0.0023	0.0020	mg/kg	
	TPH-GRO (C6-C10)	ND	0.23	0.14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%
17060-07-0	1,2-Dichloroethane-D4	102%		70-130%

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

Report of Analysis

Client Sample ID:	PWV01-E@2.5'		
Lab Sample ID:	DA73174-7	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	81.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G57896.D	1	06/25/25 19:31	ZL	06/24/25 15:00	OP27926	E3G2821
Run #2							

	Initial Weight	Final Volume
Run #1	5.4 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.0045	0.0023	mg/kg	
120-12-7	Anthracene	ND	0.0045	0.0023	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0057	0.0034	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0045	0.0023	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0045	0.0023	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0045	0.0023	mg/kg	
218-01-9	Chrysene	ND	0.0045	0.0023	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0045	0.0023	mg/kg	
206-44-0	Fluoranthene	ND	0.0045	0.0023	mg/kg	
86-73-7	Fluorene	ND	0.0045	0.0023	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0045	0.0023	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.0045	0.0023	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0045	0.0023	mg/kg	
91-20-3	Naphthalene	ND	0.0023	0.0017	mg/kg	
129-00-0	Pyrene	ND	0.0045	0.0023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	47%		10-130%
4165-60-0	Nitrobenzene-d5	78% [a]		10-130%
1718-51-0	Terphenyl-d14	69%		10-130%

(a) Associated CCV outside control limits biased high. Surrogate recovery meets acceptable criteria.

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

Report of Analysis

Client Sample ID:	PWV01-E@2.5'		
Lab Sample ID:	DA73174-7	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	81.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP081462.D	1	06/22/25 15:07	JB	06/20/25 10:00	OP27901	GFP2428
Run #2							

	Initial Weight	Final Volume
Run #1	5.9 g	10.0 ml
Run #2		

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28) [a]	ND	4.4	4.3	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.3	5.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	91%		20-142%

(a) Associated CCV outside control limits biased high, sample is ND.

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

Report of Analysis

Client Sample ID:	PWV01-E@2.5'		
Lab Sample ID:	DA73174-7	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	81.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.7	0.11	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	74.7	1.1	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.12	0.057	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	6.0	1.1	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	6.5	0.28	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	7.5	1.1	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.057	0.057	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	27.1	5.7	mg/kg	5	06/23/25	06/26/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19290
(2) Prep QC Batch: MP41660

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01-E@2.5'		
Lab Sample ID:	DA73174-7	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	81.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	81.5		%	1	06/23/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	8.00		su	1	06/26/25 12:17	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.42	0.0010	mmhos/cm	1	06/26/25 12:00	JW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.49	0.49	mg/kg	1	06/30/25 23:33	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01-E@2.5'		
Lab Sample ID:	DA73174-7A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	81.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	50.2	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	22.5	3.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	6.50	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19306
(2) Prep QC Batch: MP41742

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01-E@2.5'		
Lab Sample ID:	DA73174-7A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	81.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.192		ratio	1	07/01/25 16:54	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PWV01-E@2.5'		
Lab Sample ID:	DA73174-7B	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	81.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

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	06/23/25	06/25/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19285
(2) Prep QC Batch: MP41659

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@0-6'		
Lab Sample ID:	DA73174-10	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	86.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.3	0.11	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	60.8	1.1	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.14	0.055	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	4.6	1.1	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	6.0	0.28	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	5.8	1.1	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.31	0.22	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.055	0.055	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	21.7	5.5	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19294
(2) Prep QC Batch: MP41667

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@0-6'		
Lab Sample ID:	DA73174-10	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	86.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	86.5		%	1	06/23/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.69		su	1	06/26/25 12:17	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.46	0.0010	mmhos/cm	1	06/26/25 12:00	JW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.46	0.46	mg/kg	1	06/30/25 23:57	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@0-6'		
Lab Sample ID:	DA73174-10A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	86.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	457	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	422	3.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	358	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19306
(2) Prep QC Batch: MP41742

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@0-6'		
Lab Sample ID:	DA73174-10A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	86.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.90		ratio	1	07/01/25 17:15	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@0-6'		
Lab Sample ID:	DA73174-10B	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	86.5
Project:	TASMCOA: Anderson 33,34-34 Facility		

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	06/24/25	06/25/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19285
(2) Prep QC Batch: MP41666

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2.5'		
Lab Sample ID:	DA73174-11	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	88.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.4	0.11	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	47.0	1.1	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.10	0.053	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	3.2	1.1	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	4.1	0.26	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	4.4	1.1	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.21	0.21	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.053	0.053	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	16.1	5.3	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19294
(2) Prep QC Batch: MP41667

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2.5'		
Lab Sample ID:	DA73174-11	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	88.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	88.4		%	1	06/23/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.94		su	1	06/26/25 12:17	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.67	0.0010	mmhos/cm	1	06/26/25 12:00	JW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.45	0.45	mg/kg	1	07/01/25 00:05	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2.5'		
Lab Sample ID:	DA73174-11A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	88.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	466	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	742	3.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	833	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19306
(2) Prep QC Batch: MP41742

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2.5'		
Lab Sample ID:	DA73174-11A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	88.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	5.58		ratio	1	07/01/25 17:16	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@2.5'		
Lab Sample ID:	DA73174-11B	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	88.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	0.794	0.50	mg/l	1	06/24/25	06/25/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19285
(2) Prep QC Batch: MP41666

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@4'		
Lab Sample ID:	DA73174-12	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	84.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.9	0.12	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	69.1	1.2	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.15	0.059	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	5.5	1.2	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	6.7	0.29	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	7.4	1.2	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.059	0.059	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	27.0	5.9	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19294
(2) Prep QC Batch: MP41667

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@4'		
Lab Sample ID:	DA73174-12	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	84.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	84.4		%	1	06/23/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	7.85		su	1	06/26/25 12:17	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	0.44	0.0010	mmhos/cm	1	06/26/25 12:00	JW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.47	0.47	mg/kg	1	07/01/25 00:29	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@4'		
Lab Sample ID:	DA73174-12A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	84.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	417	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	415	3.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	323	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19306
(2) Prep QC Batch: MP41742

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@4'		
Lab Sample ID:	DA73174-12A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	84.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.68		ratio	1	07/01/25 17:18	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@4'		
Lab Sample ID:	DA73174-12B	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	84.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

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	06/24/25	06/25/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19285
(2) Prep QC Batch: MP41666

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@5'		
Lab Sample ID:	DA73174-13	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	5.2	0.12	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Barium	110	1.2	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.25	0.058	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Copper	9.3	1.2	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Lead	9.3	0.29	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Nickel	10.9	1.2	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.23	0.23	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Silver	0.062	0.058	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]
Zinc	37.8	5.8	mg/kg	5	06/23/25	06/27/25	GS	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19294
(2) Prep QC Batch: MP41667

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@5'		
Lab Sample ID:	DA73174-13	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	80.4		%	1	06/23/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH	8.01		su	1	06/26/25 12:17	SG	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity	1.2	0.0010	mmhos/cm	1	06/26/25 12:00	JW	SM 2510B-2011 MOD
Chromium, Hexavalent [a]	< 0.49	0.49	mg/kg	1	07/01/25 00:37	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@5'		
Lab Sample ID:	DA73174-13A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium	96.7	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium	78.6	3.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium	82.4	6.0	mg/l	1	06/28/25	07/01/25	BR	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: MA19306
(2) Prep QC Batch: MP41742

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@5'		
Lab Sample ID:	DA73174-13A	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.51		ratio	1	07/01/25 17:19	BR	USDA HANDBOOK 60

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BKG01@5'		
Lab Sample ID:	DA73174-13B	**Date Sampled:**	06/19/25
Matrix:	SO - Soil	**Date Received:**	06/19/25
		Percent Solids:	80.4
Project:	TASMCOA: Anderson 33,34-34 Facility		

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	06/24/25	06/25/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19285
(2) Prep QC Batch: MP41666

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 # DA73174

Client / Reporting Information

Company: Tasman/PDC
Street: 4725 Independence St.
City, State ZIP: Wheat Ridge, CO 80033
Project Contact:
Phone: 720-899-0834
Email: tas-chevron-1@tasman-geo.com; RBUEUF27@chevron.com
Sampler(s) Name(s): Dylan Sardinia

Project Information

Project Name: Anderson 33, 34-34 Facility
Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐
Street:
City, State ZIP:
Project #: 10562
Client Purchase Order #:
Project Manager: Andy Sagen

Billing Information (if different from Report to)

Company: PDC Energy Inc.
Street Address: 400 Burlington Ave
City, State ZIP: Evans, CO 80620
Attention: Karen Olson

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; D=dissolved metals; PD=Potentially dissolved; TR=Total recoverable

Field ID / Point of Collection	Collection Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	Di Water	MeOH	ENCORE	Na2S2O3	Na2SO3	**Metals (specify):	Metals - 915	VOC - 915	TPH - 915	PAH - 915	SAR, EC, pH - 915	Boron - HWS	HOLD	LAB USE ONLY
01 SEP01-DL@4'	6/19/25	953	DS	Soil	4	X											X	X	X	X	X	X		
02 SEP01-FL@4'		1303																						
03 AST01@0-6"		1127																						
04 AST02@0-6"		1131																						
05 PWV01-B@4'		1018																						
06 PWV01-N@2.5'		1037																						
07 PWV01-E@2.5'		1026																						
08 PWV01-S@2.5'		1022																						
09 PWV01-W@2.5'		1031																						
10 BKG01@0-6'		1239			3												X				X	X		
11 BKG01@2.5'		1242			3																			
12 BKG01@4'		1246			3												X				X	X		

Turnaround Time (Business days)

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

Emergency & Rush T/A data available via Email or LabLink. RUSH TAT approval needed.

Special Reporting Instructions

- ☐ Report in PPB
- ☐ Report in PPM
- ☐ Report MDLs

Data Deliverable Information

- ☐ Commercial "A" (Level 1, Results Only)
- ☐ Commercial "B" (Level 2, Results + QC Summary)
- ☐ COMMBN (Results/QC/Narrative)
- ☐ COMMBN+ [Results/QC/Narrative (+ chromatograms)]
- ☐ REDT2 (Results/QC Summary/partial raw data)
- ☐ FULT1
- ☒ EDD Format: Tasman

Comments / Special Instructions

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

REM#40259

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

Relinquished by Sampler/Affiliation: 1	Date/Time: 6/19/25 1556	Received By/Affiliation: 1	Relinquished By/Affiliation: 2	Date/Time:	Received By/Affiliation: 2
Relinquished by/Affiliation: 3	Date/Time:	Received By/Affiliation: 3	Relinquished By/Affiliation: 4	Date/Time:	Received By/Affiliation: 4

Custody Seal #: Intact ☑ Not Intact ☐ Absent ☐
Preserved where applicable ☑ Cooler Temp. °C (corrected): 2.0 Therm. ID: T083 On Ice ☑

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

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

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 #: DA73174

Client / Reporting Information

Company: Tasman/PDC
Street: 4725 Independence St.
City, State ZIP: Wheat Ridge, CO 80033
Project Contact:
Phone: 720-899-0834
Email: tas-chevron-1@tasman-geo.com; RBUEUF27@chevron.com
Sampler(s) Name(s): Dylan Sardinia

Project Information

Project Name: Anderson 33, 34-34 Facility
Check Box if Project Report to Division of Oil and Public Safety (OPS): ☐
Street:
City, State ZIP:
Project #: 10562
Client Purchase Order #:
Project Manager: Andy Sagen

Billing Information (if different from Report to)

Company: PDC Energy Inc.
Street Address: 400 Burlington Ave
City, State ZIP: Evans, CO 80620
Attention: Karen Olson

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; D=dissolved metals; PD=Potentially dissolved; TR=Total recoverable

	Field ID / Point of Collection	Collection: Date	Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: NONE	HCl	NaOH	HNO3	H2SO4	DI Water	MeOH	ENCORE	Na2S2O3	Na2SO3	**Metals (specify):	Metals - 915	VOC - 915	TPH - 915	PAH - 915	SAR, EC, pH - 915	Boron - HWS	HOLD	LAB USE ONLY
13	BKG01@5'	6/19/25	1250	DS	SOIL	3	X											X				X	X		

Turnaround Time (Business days)

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

Emergency & Rush T/A data available via Email or LabLink. RUSH TAT approval needed.

Special Reporting Instructions

- ☐ Report in PPB
- ☐ Report in PPM
- ☐ Report MDLs

Data Deliverable Information

- ☐ Commercial "A" (Level 1, Results Only)
- ☐ Commercial "B" (Level 2, Results + QC Summary)
- ☐ COMMBN (Results/QC/Narrative)
- ☐ COMMBN+ [Results/QC/Narrative (+ chromatograms)]
- ☐ REDT2 (Results/QC Summary/partial raw data)
- ☐ FULT1
- ☒ EDD Format: Tasman

Comments / Special Instructions

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

REM # 40259

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

	Relinquished by Sampler/Affiliation:	Date/Time:	Received By/Affiliation:	Relinquished By/Affiliation:	Date/Time:	Received By/Affiliation:
1	DS	6/19/25 1556	1	2		2
3	Relinquished by/Affiliaction:	Date/Time:	Received By/Affiliation:	Relinquished By/Affiliation:	Date/Time:	Received By/Affiliation:
			3	4		4

Custody Seal #: Intact ☑ Not intact ☐ Absent ☐
Preserved where applicable ☑ Cooler Temp. °C (corrected): 13.0 Therm. ID: T-165 On Ice ☑

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

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

SGS Sample Receipt Summary

Job Number: da73174 **Client:** TASMAN **Project:** ANDERSON 33,34-34 FACILITY

Date / Time Received: 6/19/2025 4:00:00 PM **Delivery Method:** hd **Airbill #'s:**

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

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

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

Misc Information

Number of Encores: 25 Gram 5 Gram Number of Lab Filtered Metals

Test Strip Lot #s: pH 0-3: pH 10-12: Other: (Specify)

Residual Chlorine Test Strip Lot

Comments

SM001
Rev. Date 05/04/17

Technician: JEREMYD Date: 6/19/2025 4:23:05 PM Reviewer: Date:

MS Volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2949-MB	6V61618.D	1	06/29/25	MB	n/a	n/a	V6V2949

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/kg	
100-41-4	Ethylbenzene	ND	2.0	0.50	ug/kg	
108-88-3	Toluene	ND	2.0	1.0	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.90	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.90	ug/kg	
	m,p-Xylene	ND	2.0	1.8	ug/kg	
95-47-6	o-Xylene	ND	2.0	0.70	ug/kg	
1330-20-7	Xylene (total)	ND	2.0	1.8	ug/kg	
	TPH-GRO (C6-C10)	ND	200	120	ug/kg	

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

Blank Spike Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2949-BS	6V61616.D	1	06/29/25	MB	n/a	n/a	V6V2949

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	46.9	94	70-130
100-41-4	Ethylbenzene	50	46.1	92	70-130
108-88-3	Toluene	50	46.9	94	70-130
95-63-6	1,2,4-Trimethylbenzene	50	47.6	95	70-130
108-67-8	1,3,5-Trimethylbenzene	50	48.8	98	70-130
	m,p-Xylene	100	92.4	92	70-130
95-47-6	o-Xylene	50	48.1	96	70-130
1330-20-7	Xylene (total)	150	140	93	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	95%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2949-BS	6V61617.D	1	06/29/25	MB	n/a	n/a	V6V2949

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	1710	86	50-200

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	89%	70-130%
2037-26-5	Toluene-D8	101%	70-130%
460-00-4	4-Bromofluorobenzene	94%	70-130%
17060-07-0	1,2-Dichloroethane-D4	97%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA73173-23MS	6V61621.D	1	06/29/25	MB	n/a	n/a	V6V2949
DA73173-23MSD	6V61622.D	1	06/29/25	MB	n/a	n/a	V6V2949
DA73173-23	6V61619.D	1	06/29/25	MB	n/a	n/a	V6V2949

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	DA73173-23 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		50.7	43.3	85	51	43.0	84	1	43-130/30
100-41-4	Ethylbenzene	ND		50.7	43.4	86	51	44.5	87	3	15-145/30
108-88-3	Toluene	ND		50.7	43.6	86	51	44.1	86	1	37-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		50.7	41.4	82	51	41.7	82	1	5-177/30
108-67-8	1,3,5-Trimethylbenzene	ND		50.7	42.7	84	51	43.1	85	1	6-159/30
	m,p-Xylene	ND		101	85.8	85	102	87.3	86	2	21-142/30
95-47-6	o-Xylene	ND		50.7	43.5	86	51	44.2	87	2	25-140/30
1330-20-7	Xylene (total)	ND		152	129	85	153	131	86	2	17-142/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73173-23	Limits
1868-53-7	Dibromofluoromethane	93%	90%	89%	70-130%
2037-26-5	Toluene-D8	99%	99%	99%	70-130%
460-00-4	4-Bromofluorobenzene	100%	98%	97%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	101%	101%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA73173-24MS	6V61623.D	1	06/29/25	MB	n/a	n/a	V6V2949
DA73173-24MSD	6V61624.D	1	06/29/25	MB	n/a	n/a	V6V2949
DA73173-24	6V61620.D	1	06/29/25	MB	n/a	n/a	V6V2949

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	DA73173-24 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		2390	1860	78	2320	1940	84	4	5-200/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73173-24	Limits
1868-53-7	Dibromofluoromethane	90%	85%	89%	70-130%
2037-26-5	Toluene-D8	99%	98%	98%	70-130%
460-00-4	4-Bromofluorobenzene		95%	90%	70-130%
17060-07-0	1,2-Dichloroethane-D4	101%	99%	102%	70-130%

* = Outside of Control Limits.

MS Semi-volatiles

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QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27926-MB	3G57877.D	1	06/25/25	ZL	06/24/25	OP27926	E3G2821

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	4.0	2.0	ug/kg	
120-12-7	Anthracene	ND	4.0	2.0	ug/kg	
56-55-3	Benzo(a)anthracene	ND	5.0	3.0	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	4.0	2.0	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	4.0	2.0	ug/kg	
50-32-8	Benzo(a)pyrene	ND	4.0	2.0	ug/kg	
218-01-9	Chrysene	ND	4.0	2.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	4.0	2.0	ug/kg	
206-44-0	Fluoranthene	ND	4.0	2.0	ug/kg	
86-73-7	Fluorene	ND	4.0	2.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.0	2.0	ug/kg	
90-12-0	1-Methylnaphthalene	ND	4.0	2.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	4.0	2.0	ug/kg	
91-20-3	Naphthalene	ND	2.0	1.5	ug/kg	
129-00-0	Pyrene	ND	4.0	2.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	66%	10-130%
4165-60-0	Nitrobenzene-d5	83%	10-130%
1718-51-0	Terphenyl-d14	81%	10-130%

Blank Spike Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27926-BS	3G57878.D	1	06/25/25	ZL	06/24/25	OP27926	E3G2821

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	160	80	31-130
120-12-7	Anthracene	200	170	85	46-134
56-55-3	Benzo(a)anthracene	200	167	84	52-135
205-99-2	Benzo(b)fluoranthene	200	167	84	50-136
207-08-9	Benzo(k)fluoranthene	200	192	96	52-134
50-32-8	Benzo(a)pyrene	200	178	89	50-130
218-01-9	Chrysene	200	167	84	51-131
53-70-3	Dibenzo(a,h)anthracene	200	168	84	49-136
206-44-0	Fluoranthene	200	172	86	51-137
86-73-7	Fluorene	200	162	81	38-130
193-39-5	Indeno(1,2,3-cd)pyrene	200	174	87	50-139
90-12-0	1-Methylnaphthalene	200	168	84	18-130
91-57-6	2-Methylnaphthalene	200	162	81	16-130
91-20-3	Naphthalene	200	159	80	5-130
129-00-0	Pyrene	200	179	90	48-136

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	76%	10-130%
4165-60-0	Nitrobenzene-d5	93%	10-130%
1718-51-0	Terphenyl-d14	82%	10-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27926-MS	3G57879.D	1	06/25/25	ZL	06/24/25	OP27926	E3G2821
OP27926-MSD	3G57880.D	1	06/25/25	ZL	06/24/25	OP27926	E3G2821
DA73173-27	3G57894.D	1	06/25/25	ZL	06/24/25	OP27926	E3G2821

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	DA73173-27 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	ND		210	157	75	218	162	74	3	12-130/52
120-12-7	Anthracene	ND		210	171	81	218	170	78	1	31-130/60
56-55-3	Benzo(a)anthracene	ND		210	180	86	218	178	82	1	34-130/60
205-99-2	Benzo(b)fluoranthene	ND		210	191	91	218	190	87	1	10-168/60
207-08-9	Benzo(k)fluoranthene	ND		210	176	84	218	176	81	0	30-130/60
50-32-8	Benzo(a)pyrene	ND		210	188	90	218	187	86	1	10-179/60
218-01-9	Chrysene	ND		210	176	84	218	174	80	1	34-130/60
53-70-3	Dibenzo(a,h)anthracene	ND		210	184	88	218	174	80	6	20-138/60
206-44-0	Fluoranthene	ND		210	177	84	218	174	80	2	32-130/60
86-73-7	Fluorene	ND		210	168	80	218	165	76	2	20-130/60
193-39-5	Indeno(1,2,3-cd)pyrene	ND		210	180	86	218	179	82	1	17-148/60
90-12-0	1-Methylnaphthalene	ND		210	161	77	218	165	76	2	10-130/41
91-57-6	2-Methylnaphthalene	ND		210	158	75	218	168	77	6	14-130/40
91-20-3	Naphthalene	ND		210	157	75	218	160	73	2	10-130/40
129-00-0	Pyrene	ND		210	184	88	218	188	86	2	31-130/60

CAS No.	Surrogate Recoveries	MS	MSD	DA73173-27	Limits
321-60-8	2-Fluorobiphenyl	65%	65%	70%	10-130%
4165-60-0	Nitrobenzene-d5	91%	87%	95% [a]	10-130%
1718-51-0	Terphenyl-d14	77%	75%	78%	10-130%

(a) Associated CCV outside control limits biased high. Surrogate recovery meets acceptable criteria.

* = 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: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27901-MB	FP081642.D	1	06/25/25	JB	06/20/25	OP27901	GFP2431

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	ND	4.2	4.1	mg/kg	
	TPH-ORO (> C28-C36)	ND	6.0	5.0	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	106%	20-142%

Blank Spike Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27901-BS	FP081643.D	1	06/25/25	JB	06/20/25	OP27901	GFP2431

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	205	103	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	105%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27901-BS2	FP081644.D	1	06/25/25	JB	06/20/25	OP27901	GFP2431

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	264	132	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	102%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27901-MS2	FP081647.D	1	06/25/25	JB	06/20/25	OP27901	GFP2431
OP27901-MSD2	FP081456.D	1	06/22/25	JB	06/20/25	OP27901	GFP2428
DA73174-2	FP081701.D	1	06/26/25	JB	06/20/25	OP27901	GFP2432

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

DA73174-2

CAS No.	Compound	DA73174-2 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	36.8					208	ND	-15*	0	59-130/30
	TPH-ORO (> C28-C36)	118			239		208	308	97	25	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73174-2	Limits
84-15-1	o-Terphenyl	100%	87%	98%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA73174
Account: CHEVRCOG Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP27901-MS1	FP081645.D	1	06/25/25	JB	06/20/25	OP27901	GFP2431
OP27901-MSD1	FP081646.D	1	06/25/25	JB	06/20/25	OP27901	GFP2431
DA73174-1	FP081457.D	1	06/22/25	JB	06/20/25	OP27901	GFP2428

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

DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

CAS No.	Compound	DA73174-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	ND		241	229	95	235	221	94	4	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA73174-1	Limits
84-15-1	o-Terphenyl	115%	93%	74%	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: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41659
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/23/25

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	6.0	<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 MP41659: DA73174-1B, DA73174-2B, DA73174-3B, DA73174-4B, DA73174-5B, DA73174-7B

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41659 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/23/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41659 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/23/25

Metal	DA73174-4B Original	DUP	RPD	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	73.0	158	73.6 (a)	0-20
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41659: DA73174-1B, DA73174-2B, DA73174-3B, DA73174-4B, DA73174-5B, DA73174-7B

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41659 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/23/25

	DA73174-4B		QC
Metal	Original DUP	RPD	Limits

(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) RPD acceptable due to low duplicate and sample concentrations.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41659 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/23/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9390	10000	93.9	80-120
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41659: DA73174-1B, DA73174-2B, DA73174-3B, DA73174-4B, DA73174-5B, DA73174-7B

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41659 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/23/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41659 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/23/25

Metal	DA73174-4B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	14.6	25.5	74.7 (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 MP41659: DA73174-1B, DA73174-2B, DA73174-3B, DA73174-4B, DA73174-5B, DA73174-7B

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41659 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/23/25

	DA73174-4B		QC
Metal	Original SDL 1:5	%DIF	Limits

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41660 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/23/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.26	2.5		
Antimony	0.20	.005	.025		
Arsenic	0.10	.025	.025	0.0055	<0.10
Barium	1.0	.048	.12	0.0040	<1.0
Beryllium	0.10	.038	.02		
Boron	20	9.1	5		
Cadmium	0.050	.015	.02	-0.013	<0.050
Calcium	200	13	15		
Chromium	1.0	.043	.3		
Cobalt	0.10	.02	.013		
Copper	1.0	.025	.13	-0.0033	<1.0
Iron	10	.8	7.5		
Lead	0.25	.047	.1	-0.0023	<0.25
Magnesium	50	5	5		
Manganese	0.50	.04	.1		
Molybdenum	0.50	.019	.14		
Nickel	1.0	.049	.1	-0.0020	<1.0
Phosphorus	30	3.8	13		
Potassium	100	1	13		
Selenium	0.20	.025	.025	-0.0017	<0.20
Silver	0.050	.0041	.015	0.00037	<0.050
Sodium	250	5	15		
Strontium	10	.05	.5		
Thallium	0.10	.016	.02		
Tin	5.0	.11	2		
Titanium	1.0	.025	.15		
Uranium	0.10	.0074	.05		
Vanadium	0.50	.071	.1		
Zinc	5.0	.025	.5	-0.040	<5.0

Associated samples MP41660: DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41660 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/23/25

Metal	DA73173-26 Original	MS	Spikelot ICPMS5	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	4.6	101	119	80.7	75-125
Barium	76.4	260	239	76.9	75-125
Beryllium					
Boron					
Cadmium	0.15	53.0	59.7	88.5	75-125
Calcium					
Chromium					
Cobalt					
Copper	7.4	55.6	59.7	80.7	75-125
Iron					
Lead	8.1	111	119	86.2	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	8.9	55.6	59.7	78.2	75-125
Phosphorus					
Potassium					
Selenium	0.22	95.7	119	80.0	75-125
Silver	0.070	21.9	23.9	91.4	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	30.5	78.4	59.7	80.2	75-125

Associated samples MP41660: DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41660 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/23/25

Metal	DA73173-26 Original	MSD	Spikelot ICPMS5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	4.6	103	118	83.2	2.0	20
Barium	76.4	260	237	77.6	0.0	20
Beryllium						
Boron						
Cadmium	0.15	54.1	59.1	91.2	2.1	20
Calcium						
Chromium						
Cobalt						
Copper	7.4	56.5	59.1	83.0	1.6	20
Iron						
Lead	8.1	113	118	88.7	1.8	20
Magnesium						
Manganese						
Molybdenum						
Nickel	8.9	56.7	59.1	80.8	2.0	20
Phosphorus						
Potassium						
Selenium	0.22	98.3	118	82.9	2.7	20
Silver	0.070	22.2	23.7	93.6	1.4	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	30.5	78.8	59.1	81.7	0.5	20

Associated samples MP41660: DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41660 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/23/25

Metal	BSP Result	Spikelot ICPMS5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	106	100	106.0	80-120
Barium	203	200	101.5	80-120
Beryllium				
Boron				
Cadmium	53.5	50	107.0	80-120
Calcium				
Chromium				
Cobalt				
Copper	54.1	50	108.2	80-120
Iron				
Lead	105	100	105.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	53.2	50	106.4	80-120
Phosphorus				
Potassium				
Selenium	102	100	102.0	80-120
Silver	21.1	20	105.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	52.9	50	105.8	80-120

Associated samples MP41660: DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41660 Methods: SW846 6020B
Matrix Type: SOLID Units: ug/l

Prep Date: 06/23/25

Metal	DA73173-26 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	40.2	40.9	1.7	0-20
Barium	671	675	0.6	0-20
Beryllium				
Boron				
Cadmium	1.34	0.00	100.0(a)	0-20
Calcium				
Chromium				
Cobalt				
Copper	64.6	63.4	1.8	0-20
Iron				
Lead	71.4	69.3	2.8	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	78.0	77.6	0.6	0-20
Phosphorus				
Potassium				
Selenium	1.92	1.94	1.2	0-20
Silver	0.614	0.578	5.8	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	268	276	3.1	0-20

Associated samples MP41660: DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7

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).

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41666 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/24/25

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	-1.5	<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 MP41666: DA73174-10B, DA73174-11B, DA73174-12B, DA73174-13B

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41666 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/24/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41666 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/24/25

Metal	DA73175-16B Original	DUP	RPD	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	126	128	1.6	0-20
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41666: DA73174-10B, DA73174-11B, DA73174-12B, DA73174-13B

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41666 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/24/25

	DA73175-16B		QC
Metal	Original DUP	RPD	Limits

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41666 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/24/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9540	10000	95.4	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 MP41666: DA73174-10B, DA73174-11B, DA73174-12B, DA73174-13B

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41666 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/24/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41666 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/24/25

Metal	DA73175-16B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	25.1	33.0	31.5 (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 MP41666: DA73174-10B, DA73174-11B, DA73174-12B, DA73174-13B

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41666 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/24/25

	DA73175-16B		QC
Metal	Original SDL 1:5	%DIF	Limits

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41667 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/23/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.26	2.5		
Antimony	0.20	.005	.025		
Arsenic	0.10	.025	.025	0.026	<0.10
Barium	1.0	.048	.12	0.053	<1.0
Beryllium	0.10	.038	.02		
Boron	20	9.1	5		
Cadmium	0.050	.015	.02	0.0074	<0.050
Calcium	200	13	15		
Chromium	1.0	.043	.3		
Cobalt	0.10	.02	.013		
Copper	1.0	.025	.13	-0.040	<1.0
Iron	10	.8	7.5		
Lead	0.25	.047	.1	0.017	<0.25
Magnesium	50	5	5		
Manganese	0.50	.04	.1		
Molybdenum	0.50	.019	.14		
Nickel	1.0	.049	.1	0.015	<1.0
Phosphorus	30	3.8	13		
Potassium	100	1	13		
Selenium	0.20	.025	.025	0.025	<0.20
Silver	0.050	.0041	.015	0.0022	<0.050
Sodium	250	5	15		
Strontium	10	.05	.5		
Thallium	0.10	.016	.02		
Tin	5.0	.11	2		
Titanium	1.0	.025	.15		
Uranium	0.10	.0074	.05		
Vanadium	0.50	.071	.1		
Zinc	5.0	.025	.5	0.34	<5.0

Associated samples MP41667: DA73174-10, DA73174-11, DA73174-12, DA73174-13

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41667 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/23/25

Metal	DA73174-10 Original	MS	Spikelot ICPMS5	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	3.3	84.1	110	73.4N(a)	75-125
Barium	60.8	233	220	78.2	75-125
Beryllium					
Boron					
Cadmium	0.14	45.1	55.1	81.7	75-125
Calcium					
Chromium					
Cobalt					
Copper	4.6	43.0	55.1	69.8N(a)	75-125
Iron					
Lead	6.0	94.4	110	80.3	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	5.8	43.0	55.1	67.6N(a)	75-125
Phosphorus					
Potassium					
Selenium	0.31	84.7	110	76.6	75-125
Silver	0.031	19.4	22	88.0	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	21.7	64.6	55.1	77.9	75-125

Associated samples MP41667: DA73174-10, DA73174-11, DA73174-12, DA73174-13

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41667 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 06/23/25

Metal	DA73174-10 Original	MSD	Spikelot ICPMS5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	3.3	71.0	107	63.2N(a)	16.9	20
Barium	60.8	184	214	57.5N(a)	23.5 (b)	20
Beryllium						
Boron						
Cadmium	0.14	37.5	53.5	69.8N(a)	18.4	20
Calcium						
Chromium						
Cobalt						
Copper	4.6	34.7	53.5	56.2N(a)	21.4 (b)	20
Iron						
Lead	6.0	78.6	107	67.8N(a)	18.3	20
Magnesium						
Manganese						
Molybdenum						
Nickel	5.8	34.5	53.5	53.6N(a)	21.9 (b)	20
Phosphorus						
Potassium						
Selenium	0.31	71.6	107	66.6N(a)	16.8	20
Silver	0.031	17.5	21.4	81.6	10.3	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	21.7	52.0	53.5	56.6N(a)	21.6 (b)	20

Associated samples MP41667: DA73174-10, DA73174-11, DA73174-12, DA73174-13

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) High RPD due to possible sample matrix or nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41667
Matrix Type: SOLID

Methods: SW846 6020B
Units: mg/kg

Prep Date: 06/23/25

Metal	BSP Result	Spikelot ICPMS5	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	95.7	100	95.7	80-120
Barium	193	200	96.5	80-120
Beryllium				
Boron				
Cadmium	49.4	50	98.8	80-120
Calcium				
Chromium				
Cobalt				
Copper	46.4	50	92.8	80-120
Iron				
Lead	98.6	100	98.6	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	45.0	50	90.0	80-120
Phosphorus				
Potassium				
Selenium	99.3	100	99.3	80-120
Silver	20.7	20	103.5	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	47.5	50	95.0	80-120

Associated samples MP41667: DA73174-10, DA73174-11, DA73174-12, DA73174-13

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41667 Methods: SW846 6020B
Matrix Type: SOLID Units: ug/l

Prep Date: 06/23/25

Metal	DA73174-10 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	29.6	29.2	1.6	0-20
Barium	553	545	1.3	0-20
Beryllium				
Boron				
Cadmium	1.25	1.09	12.4	0-20
Calcium				
Chromium				
Cobalt				
Copper	41.5	37.1	10.7	0-20
Iron				
Lead	54.4	51.1	6.1	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	52.5	49.7	5.3	0-20
Phosphorus				
Potassium				
Selenium	2.78	3.16	13.6	0-20
Silver	0.280	0.240	14.2	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	197	207	5.0	0-20

Associated samples MP41667: DA73174-10, DA73174-11, DA73174-12, DA73174-13

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41742
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/28/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1500	30	230		
Antimony	450	90	100		
Arsenic	380	34	69		
Barium	150	2.9	20		
Beryllium	150	1.5	20		
Boron	750	19	95		
Cadmium	150	3.2	20		
Calcium	6000	84	750	6.0	<6000
Chromium	150	10	20		
Cobalt	75	12	9.5		
Copper	150	7.4	20		
Iron	1100	28	180		
Lead	750	63	95		
Lithium	75	30	20		
Magnesium	3000	110	380	24.0	<3000
Manganese	75	2.6	9.5		
Molybdenum	150	38	42		
Nickel	450	17	57		
Phosphorus	1500	170	240		
Potassium	15000	540	1900		
Selenium	750	140	320		
Silicon	3000	620	2300		
Silver	450	8.4	57		
Sodium	6000	130	750	64.5	<6000
Strontium	75	1.5	9.5		
Thallium	150	91	65		
Tin	900	51	770		
Titanium	150	6.5	20		
Uranium	750	170	130		
Vanadium	150	15	20		
Zinc	450	10	57		

Associated samples MP41742: DA73174-1A, DA73174-2A, DA73174-3A, DA73174-4A, DA73174-5A, DA73174-7A, DA73174-10A, DA73174-11A, DA73174-12A, DA73174-13A

Results < IDL are shown as zero for calculation purposes

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41742 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/28/25

Metal	RL	IDL	MDL	MB raw	final

(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41742 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/28/25

Metal	DA73174-1A Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Boron					
Cadmium					
Calcium	36700	436000	375000	106.5	75-125
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Lithium					
Magnesium	33200	430000	375000	105.8	75-125
Manganese					
Molybdenum					
Nickel					
Phosphorus					
Potassium					
Selenium					
Silicon					
Silver					
Sodium	20500	428000	375000	108.7	75-125
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc					

Associated samples MP41742: DA73174-1A, DA73174-2A, DA73174-3A, DA73174-4A, DA73174-5A, DA73174-7A, DA73174-10A, DA73174-11A, DA73174-12A, DA73174-13A

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41742 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/28/25

Metal	DA73174-1A Original MS	Spikelot ICPALL6	% Rec	QC Limits

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41742 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/28/25

Metal	DA73174-1A Original	MSD	Spikelot ICPALL6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Boron						
Cadmium						
Calcium	36700	432000	375000	105.4	0.9	20
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Lithium						
Magnesium	33200	427000	375000	105.0	0.7	20
Manganese						
Molybdenum						
Nickel						
Phosphorus						
Potassium						
Selenium						
Silicon						
Silver						
Sodium	20500	425000	375000	107.9	0.7	20
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc						

Associated samples MP41742: DA73174-1A, DA73174-2A, DA73174-3A, DA73174-4A, DA73174-5A, DA73174-7A, DA73174-10A, DA73174-11A, DA73174-12A, DA73174-13A

Results < IDL are shown as zero for calculation purposes

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41742 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/28/25

Metal	DA73174-1A Original MSD	Spikelot ICPALL6 % Rec	MSD RPD	QC Limit

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41742 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/28/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	389000	375000	103.7	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	388000	375000	103.5	80-120
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	399000	375000	106.4	80-120
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41742: DA73174-1A, DA73174-2A, DA73174-3A, DA73174-4A, DA73174-5A, DA73174-7A, DA73174-10A, DA73174-11A, DA73174-12A, DA73174-13A

Results < IDL are shown as zero for calculation purposes

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41742
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/28/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41742 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/28/25

Metal	DA73174-1A Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	2440	2190	10.6*(a)	0-10
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	2210	1950	11.8*(a)	0-10
Manganese				
Molybdenum				
Nickel				
Phosphorus				
Potassium				
Selenium				
Silicon				
Silver				
Sodium	1370	1280	6.3	0-10
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc				

Associated samples MP41742: DA73174-1A, DA73174-2A, DA73174-3A, DA73174-4A, DA73174-5A, DA73174-7A, DA73174-10A, DA73174-11A, DA73174-12A, DA73174-13A

Results < IDL are shown as zero for calculation purposes

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

QC Batch ID: MP41742 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 06/28/25

	DA73174-1A		QC
Metal	Original SDL 1:5	%DIF	Limits

(*) Outside of QC limits
(anr) Analyte not requested
(a) High RPD due to possible sample matrix or nonhomogeneity.

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: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GP38876/GN67604			mmhos/cm	1.409	1.4	101.0	90-110%

Associated Samples:
Batch GP38876: DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7, DA73174-10, DA73174-11, DA73174-12, DA73174-13
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA73174
Account: CHEVRCOG - Chevron USA, Inc.
Project: TASMCOA: Anderson 33,34-34 Facility

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GP38876/GN67604	DA73175-10	mmhos/cm	0.35	0.33	3.5	0-20%
pH	GN67601	DA73173-30	su	7.31	7.34	0.4	0-5%

Associated Samples:
Batch GN67601: DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7, DA73174-10, DA73174-11, DA73174-12, DA73174-13
Batch GP38876: DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7, DA73174-10, DA73174-11, DA73174-12, DA73174-13
(*) Outside of QC limits

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

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

SD

FED-EX Tracking # 7449 9677 1878 | Bottle Order Control #
SGS Quote # | SGS Job # DA73174

Client / Reporting Information

Company Name: SGS North America Inc.
Street Address: 4036 Youngfield Street
City State Zip: Wheat Ridge, CO 8003:
Project Contact E-mail: parna.eskandaripayandeh@sgs.com
Phone # 303-425-6021 Fax #
Sampler(s) Name(s) DS Phone

Project Information

Project Name: TASMCOA:Anderson 33, 34-34 Facility
Street
City State
Project #
Client Purchase Order #
Project Manager
Attention:

Billing Information (If different from Report to)

Company Name
Street Address
City State Zip

Requested Analysis (see TEST CODE sheet)

Matrix Codes

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

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MECH	ENCORE	XCRA7199,	LAB USE ONLY
1	SEP01-DL@4'		6/19/25	9:53:00 AM	DS	SO										X	
2	SEP01-FL@4'		6/19/25	1:03:00 PM	DS	SO										X	
3	AST01@0-6"		6/19/25	11:27:00 AM	DS	SO										X	
4	AST02@0-6"		6/19/25	11:31:00 AM	DS	SO										X	
5	PWV01-B@4'		6/19/25	10:18:00 AM	DS	SO										X	
7	PWV01-E@2.5'		6/19/25	10:26:00 AM	DS	SO										X	
10	BKG01@0-6"		6/19/25	12:39:00 PM	DS	SO										X	
11	BKG01@2.5'		6/19/25	12:42:00 PM	DS	SO										X	
12	BKG01@4'		6/19/25	12:46:00 PM	DS	SO										X	
13	BKG01@5'		6/19/25	12:50:00 PM	DS	SO										X	

Turnaround Time (Business days)

Approved By (SGS PM): / Date:

- [ ] Standard 10 Day (business)
- [ ] 5 Business Days RUSH
- [ ] 3 Business Days RUSH
- [ ] 2 Business Days RUSH
- [ ] 1 Business Day EMERGENCY
- [X] other Due 6/25/2025

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

Data Deliverable Information

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

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

Comments / Special Instructions

40#

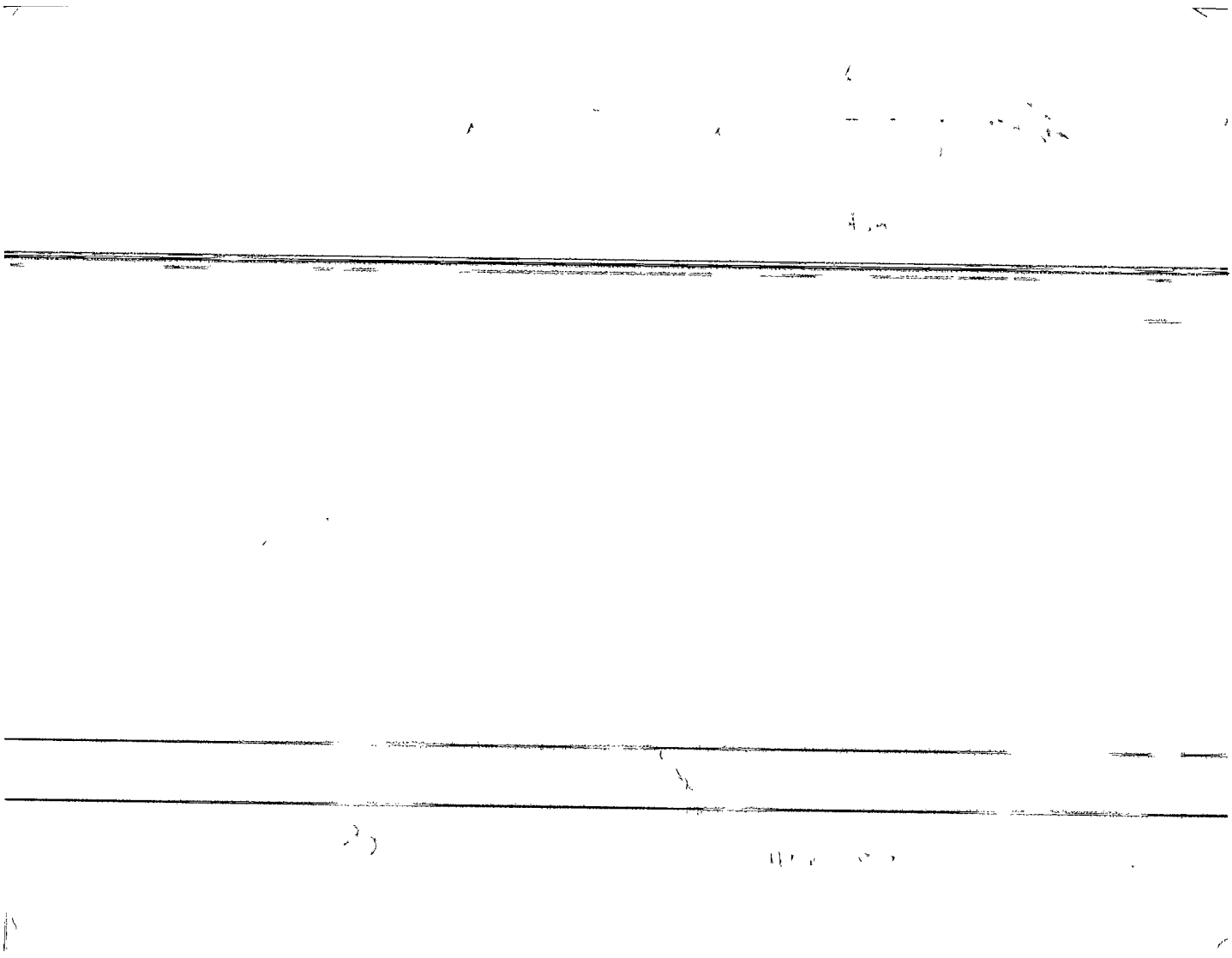
http://www.sgs.com/en/terms-and-conditions

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

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		6-20-25	Fedex	Fedex	6/21/25 9:10	
2	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3						
4	Relinquished by:	Date Time:	Received By:	Custody Seal # ☐ Intact ☐ Not Intact	Preserved where applicable ☐ Therm. ID:	On Ice ☒ Cooler Temp. 3.3 2.7
5						IR50

Initial Assessment 4DEC
Label Verification

10.1 10



DA73174: Chain of Custody
Page 2 of 3

SGS Sample Receipt Summary

Job Number: DA73174 **Client:** SGS NORTH AMERICA **Project:** TASMCOA: ANDERSON 33,34-34 FACILIT

Date / Time Received: 6/20/2025 10:30:00 AM **Delivery Method:** fedex **Airbill #'s:** 744490771878

Cooler Temps (Raw Measured) °C: Cooler 1: (3.3); Cooler 2: (2.7);

Cooler Temps (Corrected) °C: Cooler 1: (3.3); Cooler 2: (2.7);

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

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

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

10.1 10

DA73174: Chain of Custody
Page 3 of 3

General Chemistry

QC Data Summaries

(SGS Dayton, NJ)

Includes the following where applicable:

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

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA73174
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Anderson 33,34-34 Facility

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP62174/GN70321	0.40	0.0	mg/kg	40	38.0	95.0	80-120%
Chromium, Hexavalent	GP62174/GN70321			mg/kg	753	691	91.8	80-120%

Associated Samples:
Batch GP62174: DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7, DA73174-10, DA73174-11, DA73174-12, DA73174-13
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA73174
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Anderson 33,34-34 Facility

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP62174/GN70321	DA73097-4	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP62174: DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7, DA73174-10, DA73174-11, DA73174-12, DA73174-13
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA73174
Account: ALMS - SGS Wheat Ridge, CO
Project: CHEVRCOG: TASMCOA: Anderson 33,34-34 Facility

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP62174/GN70321	DA73097-4	mg/kg	0.0	51.1	49.1	96.1(a)	75-125%
Chromium, Hexavalent	GP62174/GN70321	DA73097-4	mg/kg	0.0	982	921	93.8(b)	75-125%

Associated Samples:
Batch GP62174: DA73174-1, DA73174-2, DA73174-3, DA73174-4, DA73174-5, DA73174-7, DA73174-10, DA73174-11, DA73174-12, DA73174-13
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (105.1%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.