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Automated Report

Technical Report for

Civitas

TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

AFE#250347,250351,250344

SGS Job Number: DA74116

Sampling Date: 08/04/25

Report to:

Civitas Resources
2115 117th Avenue
Greeley, CO 80634
jadon.schiller@sgs.com; parna.eskandaripayandeh@sgs.com

ATTN: Sam Vogt

Total number of pages in report: 125

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021
Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

September 3, 2025

Sam Vogt
Civitas Resources
650 Southgate Drive
Windsor, CO 80550

Subject: Report Reissue for SGS Job: DA74116

Dear Sam Vogt,

This revised report reflects updated limits for the metals analysis. Please accept our apologies for any inconvenience this may have caused you.

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

Sincerely,

Eric Hoffman
General Manager

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Sample Summary

Civitas

Job No: DA74116

TASMCOA: Edith Ann-Duckworth Facilities 21H-0268
Project No: AFE#250347,250351,250344

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA74116-1	08/04/25	13:06	IE	08/04/25	SO	Soil	SEP1-B01@3"
DA74116-1A	08/04/25	13:06	IE	08/04/25	SO	Soil	SEP1-B01@3"
DA74116-1B	08/04/25	13:06	IE	08/04/25	SO	Soil	SEP1-B01@3"
DA74116-2	08/04/25	13:08	IE	08/04/25	SO	Soil	SEP1-B02@3"
DA74116-2A	08/04/25	13:08	IE	08/04/25	SO	Soil	SEP1-B02@3"
DA74116-2B	08/04/25	13:08	IE	08/04/25	SO	Soil	SEP1-B02@3"
DA74116-3	08/04/25	13:10	IE	08/04/25	SO	Soil	SEP2-B01@3"
DA74116-3A	08/04/25	13:10	IE	08/04/25	SO	Soil	SEP2-B01@3"
DA74116-3B	08/04/25	13:10	IE	08/04/25	SO	Soil	SEP2-B01@3"
DA74116-4	08/04/25	13:12	IE	08/04/25	SO	Soil	SEP2-B02@3"
DA74116-4A	08/04/25	13:12	IE	08/04/25	SO	Soil	SEP2-B02@3"
DA74116-4B	08/04/25	13:12	IE	08/04/25	SO	Soil	SEP2-B02@3"
DA74116-5	08/04/25	13:14	IE	08/04/25	SO	Soil	SEP3-B01@3"

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

Sample Summary
(continued)

Civitas

Job No: DA74116

TASMCOA: Edith Ann-Duckworth Facilities 21H-0268
Project No: AFE#250347,250351,250344

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
DA74116-5A	08/04/25	13:14	IE	08/04/25	SO	Soil	SEP3-B01@3"
DA74116-5B	08/04/25	13:14	IE	08/04/25	SO	Soil	SEP3-B01@3"
DA74116-6	08/04/25	13:16	IE	08/04/25	SO	Soil	SEP3-B02@3"
DA74116-6A	08/04/25	13:16	IE	08/04/25	SO	Soil	SEP3-B02@3"
DA74116-6B	08/04/25	13:16	IE	08/04/25	SO	Soil	SEP3-B02@3"

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

Summary of Hits

Job Number: DA74116
Account: Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268
Collected: 08/04/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA74116-1	**SEP1-B01@3"**					
TPH-ORO (> C28-C36)		15.5	6.1		mg/kg	SW846-8015C
Arsenic		2.9	0.10		mg/kg	SW846 6020B
Barium		84.4	1.0		mg/kg	SW846 6020B
Cadmium		0.18	0.051		mg/kg	SW846 6020B
Copper		10.5	1.0		mg/kg	SW846 6020B
Lead		11.0	0.26		mg/kg	SW846 6020B
Nickel		9.0	1.0		mg/kg	SW846 6020B
Selenium		0.21	0.21		mg/kg	SW846 6020B
Zinc		37.9	5.1		mg/kg	SW846 6020B
pH [a]		8.15			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.30	0.010		mmhos/cm	SM 2510B-2011 MOD
DA74116-1A	**SEP1-B01@3"**					
Calcium [a]		60.8	0.50		mg/l	SW846 6010C
Magnesium [a]		6.46	0.50		mg/l	SW846 6010C
Sodium [a]		2.92	2.5		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.0950			ratio	USDA HANDBOOK 60
DA74116-1B	**SEP1-B01@3"**					
No hits reported in this sample.						
DA74116-2	**SEP1-B02@3"**					
TPH-DRO (C10-C28)		4.24	4.0		mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		17.8	6.0		mg/kg	SW846-8015C
Arsenic		2.0	0.099		mg/kg	SW846 6020B
Barium		55.0	0.99		mg/kg	SW846 6020B
Cadmium		0.15	0.049		mg/kg	SW846 6020B
Copper		7.9	0.99		mg/kg	SW846 6020B
Lead		6.1	0.25		mg/kg	SW846 6020B
Nickel		6.4	0.99		mg/kg	SW846 6020B
Selenium		0.21	0.20		mg/kg	SW846 6020B
Zinc		28.9	4.9		mg/kg	SW846 6020B
pH [a]		7.97			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.67	0.010		mmhos/cm	SM 2510B-2011 MOD
DA74116-2A	**SEP1-B02@3"**					
Calcium [a]		80.1	0.50		mg/l	SW846 6010C
Magnesium [a]		8.21	0.50		mg/l	SW846 6010C
Sodium [a]		31.2	2.5		mg/l	SW846 6010C

Summary of Hits

Job Number: DA74116
Account: Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268
Collected: 08/04/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Sodium Adsorption Ratio [b]		0.887			ratio	USDA HANDBOOK 60
DA74116-2B	**SEP1-B02@3"**					
No hits reported in this sample.						
DA74116-3	**SEP2-B01@3"**					
TPH-DRO (C10-C28)		13.2	4.3		mg/kg	SW846-8015C
TPH-ORO (> C28-C36)		31.5	6.4		mg/kg	SW846-8015C
Arsenic		1.9	0.10		mg/kg	SW846 6020B
Barium		54.8	1.0		mg/kg	SW846 6020B
Cadmium		0.11	0.051		mg/kg	SW846 6020B
Copper		9.0	1.0		mg/kg	SW846 6020B
Lead		6.6	0.26		mg/kg	SW846 6020B
Nickel		7.0	1.0		mg/kg	SW846 6020B
Zinc		24.1	5.1		mg/kg	SW846 6020B
pH [a]		8.15			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		1.4	0.010		mmhos/cm	SM 2510B-2011 MOD
DA74116-3A	**SEP2-B01@3"**					
Calcium [a]		153	0.50		mg/l	SW846 6010C
Magnesium [a]		28.8	0.50		mg/l	SW846 6010C
Sodium [a]		91.0	2.5		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		1.77			ratio	USDA HANDBOOK 60
DA74116-3B	**SEP2-B01@3"**					
No hits reported in this sample.						
DA74116-4	**SEP2-B02@3"**					
TPH-ORO (> C28-C36)		15.4	6.2		mg/kg	SW846-8015C
Arsenic		1.9	0.10		mg/kg	SW846 6020B
Barium		58.8	1.0		mg/kg	SW846 6020B
Cadmium		0.11	0.050		mg/kg	SW846 6020B
Copper		8.5	1.0		mg/kg	SW846 6020B
Lead		5.8	0.25		mg/kg	SW846 6020B
Nickel		6.3	1.0		mg/kg	SW846 6020B
Zinc		26.2	5.0		mg/kg	SW846 6020B
pH [a]		7.97			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.47	0.010		mmhos/cm	SM 2510B-2011 MOD

Summary of Hits

Job Number: DA74116
Account: Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268
Collected: 08/04/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
DA74116-4A	**SEP2-B02@3"**					
Calcium [a]		49.5	0.50		mg/l	SW846 6010C
Magnesium [a]		7.00	0.50		mg/l	SW846 6010C
Sodium [a]		46.6	2.5		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		1.64			ratio	USDA HANDBOOK 60
DA74116-4B	**SEP2-B02@3"**					
No hits reported in this sample.						
DA74116-5	**SEP3-B01@3"**					
TPH-ORO (> C28-C36)		9.59	6.0		mg/kg	SW846-8015C
Arsenic		2.0	0.10		mg/kg	SW846 6020B
Barium		60.8	1.0		mg/kg	SW846 6020B
Cadmium		0.094	0.050		mg/kg	SW846 6020B
Copper		9.9	1.0		mg/kg	SW846 6020B
Lead		9.0	0.25		mg/kg	SW846 6020B
Nickel		7.3	1.0		mg/kg	SW846 6020B
Zinc		24.1	5.0		mg/kg	SW846 6020B
pH [a]		8.11			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.87	0.010		mmhos/cm	SM 2510B-2011 MOD
DA74116-5A	**SEP3-B01@3"**					
Calcium [a]		69.3	0.50		mg/l	SW846 6010C
Magnesium [a]		18.2	0.50		mg/l	SW846 6010C
Sodium [a]		86.4	2.5		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		2.39			ratio	USDA HANDBOOK 60
DA74116-5B	**SEP3-B01@3"**					
No hits reported in this sample.						
DA74116-6	**SEP3-B02@3"**					
TPH-ORO (> C28-C36)		11.7	6.2		mg/kg	SW846-8015C
Arsenic		2.0	0.099		mg/kg	SW846 6020B
Barium		57.8	0.99		mg/kg	SW846 6020B
Cadmium		0.099	0.050		mg/kg	SW846 6020B
Copper		7.6	0.99		mg/kg	SW846 6020B
Lead		5.5	0.25		mg/kg	SW846 6020B
Nickel		6.2	0.99		mg/kg	SW846 6020B
Zinc		26.2	5.0		mg/kg	SW846 6020B

Summary of Hits

Job Number: DA74116
Account: Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268
Collected: 08/04/25

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
pH [a]		8.25			su	WREP-125,4E-SATPASTE
Specific Conductivity [a]		0.26	0.010		mmhos/cm	SM 2510B-2011 MOD
DA74116-6A	**SEP3-B02@3"**					
Calcium [a]		49.2	0.50		mg/l	SW846 6010C
Magnesium [a]		4.40	0.50		mg/l	SW846 6010C
Sodium [a]		6.46	2.5		mg/l	SW846 6010C
Sodium Adsorption Ratio [b]		0.237			ratio	USDA HANDBOOK 60
DA74116-6B	**SEP3-B02@3"**					

No hits reported in this sample.

(a) Analysis performed at SGS Scott, LA.
(b) Calculated as: (Na meq/L) / sqrt [(Ca meq/L)+ (Mg meq/L)/2]

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	SEP1-B01@3"		
Lab Sample ID:	DA74116-1	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8260B	**Percent Solids:**	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V62835.D	1	08/08/25 03:43	MB	n/a	n/a	V6V2985
Run #2							

	Initial Weight	Final Volume
Run #1	5.05 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.0010	0.0010	mg/kg	
100-41-4	Ethylbenzene	< 0.0021	0.0021	mg/kg	
108-88-3	Toluene	< 0.0021	0.0021	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
	m,p-Xylene	< 0.0021	0.0021	mg/kg	
95-47-6	o-Xylene	< 0.0021	0.0021	mg/kg	
1330-20-7	Xylene (total)	< 0.0021	0.0021	mg/kg	
	TPH-GRO (C6-C10)	< 0.21	0.21	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	103%		70-130%
17060-07-0	1,2-Dichloroethane-D4	105%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SEP1-B01@3"		
Lab Sample ID:	DA74116-1	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G19570A.D	1	08/08/25 13:06	ZL	08/07/25 10:00	OP28221	E6G737
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0040	0.0040	mg/kg	
120-12-7	Anthracene	< 0.0040	0.0040	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0050	0.0050	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0040	0.0040	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0040	0.0040	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0040	0.0040	mg/kg	
218-01-9	Chrysene	< 0.0040	0.0040	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0040	0.0040	mg/kg	
206-44-0	Fluoranthene	< 0.0040	0.0040	mg/kg	
86-73-7	Fluorene	< 0.0040	0.0040	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0040	0.0040	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0040	0.0040	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0040	0.0040	mg/kg	
91-20-3	Naphthalene	< 0.0020	0.0020	mg/kg	
129-00-0	Pyrene	< 0.0040	0.0040	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	80%		10-130%
4165-60-0	Nitrobenzene-d5	81%		10-130%
1718-51-0	Terphenyl-d14	101%		10-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SEP1-B01@3"		
Lab Sample ID:	DA74116-1	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP083591.D	1	08/07/25 05:34	JB	08/06/25 10:00	OP28211	GFP2461
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.1	4.1	mg/kg	
	TPH-ORO (> C28-C36)	15.5	6.1	mg/kg	

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

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SEP1-B01@3"		
Lab Sample ID:	DA74116-1	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	0.10	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	84.4	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.18	0.051	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	10.5	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	11.0	0.26	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	9.0	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.21	0.21	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.051	0.051	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	37.9	5.1	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19574
(2) Prep QC Batch: MP42694

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP1-B01@3"		
Lab Sample ID:	DA74116-1	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	96		%	1	08/06/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	8.15		su	1	08/11/25 11:00	ALA	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.30	0.010	mmhos/cm	1	08/12/25 16:55	ALA	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.42	0.42	mg/kg	1	08/15/25 15:26	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP1-B01@3"		
Lab Sample ID:	DA74116-1A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium [a]	60.8	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium [a]	6.46	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium [a]	2.92	2.5	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: L:MA30474
(2) Prep QC Batch: L:MP31280

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP1-B01@3"		
Lab Sample ID:	DA74116-1A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.0950		ratio	1	08/11/25 19:55	ALA	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:	SEP1-B01@3"		
Lab Sample ID:	DA74116-1B	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	08/06/25	08/11/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19460
(2) Prep QC Batch: MP42213

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP1-B02@3"		
Lab Sample ID:	DA74116-2	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8260B	**Percent Solids:**	97.2
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V62836.D	1	08/08/25 04:06	MB	n/a	n/a	V6V2985
Run #2							

	Initial Weight	Final Volume
Run #1	5.40 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.00095	0.00095	mg/kg	
100-41-4	Ethylbenzene	< 0.0019	0.0019	mg/kg	
108-88-3	Toluene	< 0.0019	0.0019	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0019	0.0019	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0019	0.0019	mg/kg	
	m,p-Xylene	< 0.0019	0.0019	mg/kg	
95-47-6	o-Xylene	< 0.0019	0.0019	mg/kg	
1330-20-7	Xylene (total)	< 0.0019	0.0019	mg/kg	
	TPH-GRO (C6-C10)	< 0.19	0.19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	95%		70-130%
17060-07-0	1,2-Dichloroethane-D4	106%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	SEP1-B02@3"		
Lab Sample ID:	DA74116-2	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	97.2
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G19571A.D	1	08/08/25 13:30	ZL	08/07/25 10:00	OP28221	E6G737
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0040	0.0040	mg/kg	
120-12-7	Anthracene	< 0.0040	0.0040	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0049	0.0049	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0040	0.0040	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0040	0.0040	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0040	0.0040	mg/kg	
218-01-9	Chrysene	< 0.0040	0.0040	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0040	0.0040	mg/kg	
206-44-0	Fluoranthene	< 0.0040	0.0040	mg/kg	
86-73-7	Fluorene	< 0.0040	0.0040	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0040	0.0040	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0040	0.0040	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0040	0.0040	mg/kg	
91-20-3	Naphthalene	< 0.0020	0.0020	mg/kg	
129-00-0	Pyrene	< 0.0040	0.0040	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	88%		10-130%
4165-60-0	Nitrobenzene-d5	84%		10-130%
1718-51-0	Terphenyl-d14	102%		10-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SEP1-B02@3"		
Lab Sample ID:	DA74116-2	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	97.2
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP083594.D	1	08/07/25 06:19	JB	08/06/25 10:00	OP28211	GFP2461
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	4.24	4.0	mg/kg	
	TPH-ORO (> C28-C36)	17.8	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	108%		20-142%

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SEP1-B02@3"		
Lab Sample ID:	DA74116-2	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	97.2
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0	0.099	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	55.0	0.99	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.15	0.049	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	7.9	0.99	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	6.1	0.25	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	6.4	0.99	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	0.21	0.20	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.049	0.049	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	28.9	4.9	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19574
(2) Prep QC Batch: MP42694

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP1-B02@3"		
Lab Sample ID:	DA74116-2	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	97.2
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	97.2		%	1	08/06/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.97		su	1	08/11/25 11:00	ALA	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.67	0.010	mmhos/cm	1	08/12/25 16:55	ALA	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.41	0.41	mg/kg	1	08/15/25 15:34	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP1-B02@3"		
Lab Sample ID:	DA74116-2A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	97.2
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium [a]	80.1	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium [a]	8.21	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium [a]	31.2	2.5	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: L:MA30474
(2) Prep QC Batch: L:MP31280

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP1-B02@3"		
Lab Sample ID:	DA74116-2A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	97.2
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.887		ratio	1	08/11/25 20:01	ALA	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:	SEP1-B02@3"		
Lab Sample ID:	DA74116-2B	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	97.2
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	08/06/25	08/11/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19460
(2) Prep QC Batch: MP42213

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP2-B01@3"		
Lab Sample ID:	DA74116-3	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8260B	**Percent Solids:**	93.6
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V62837.D	1	08/08/25 04:28	MB	n/a	n/a	V6V2985
Run #2							

	Initial Weight	Final Volume
Run #1	5.07 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.0011	0.0011	mg/kg	
100-41-4	Ethylbenzene	< 0.0021	0.0021	mg/kg	
108-88-3	Toluene	< 0.0021	0.0021	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
	m,p-Xylene	< 0.0021	0.0021	mg/kg	
95-47-6	o-Xylene	< 0.0021	0.0021	mg/kg	
1330-20-7	Xylene (total)	< 0.0021	0.0021	mg/kg	
	TPH-GRO (C6-C10)	< 0.21	0.21	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%
17060-07-0	1,2-Dichloroethane-D4	107%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	SEP2-B01@3"		
Lab Sample ID:	DA74116-3	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	93.6
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G19572A.D	1	08/08/25 14:32	ZL	08/07/25 10:00	OP28221	E6G737
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	Units	Q
83-32-9	Acenaphthene	< 0.0042	0.0042	mg/kg	
120-12-7	Anthracene	< 0.0042	0.0042	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0052	0.0052	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0042	0.0042	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0042	0.0042	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0042	0.0042	mg/kg	
218-01-9	Chrysene	< 0.0042	0.0042	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0042	0.0042	mg/kg	
206-44-0	Fluoranthene	< 0.0042	0.0042	mg/kg	
86-73-7	Fluorene	< 0.0042	0.0042	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0042	0.0042	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-20-3	Naphthalene	< 0.0021	0.0021	mg/kg	
129-00-0	Pyrene	< 0.0042	0.0042	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	72%		10-130%
4165-60-0	Nitrobenzene-d5	70%		10-130%
1718-51-0	Terphenyl-d14	87%		10-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SEP2-B01@3"		
Lab Sample ID:	DA74116-3	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	93.6
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP083595.D	1	08/07/25 06:35	JB	08/06/25 10:00	OP28211	GFP2461
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	13.2	4.3	mg/kg	
	TPH-ORO (> C28-C36)	31.5	6.4	mg/kg	

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

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SEP2-B01@3"		
Lab Sample ID:	DA74116-3	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	93.6
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.9	0.10	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	54.8	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.11	0.051	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	9.0	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	6.6	0.26	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	7.0	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.051	0.051	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	24.1	5.1	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19574
(2) Prep QC Batch: MP42694

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP2-B01@3"		
Lab Sample ID:	DA74116-3	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	93.6
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	93.6		%	1	08/06/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	8.15		su	1	08/11/25 11:00	ALA	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	1.4	0.010	mmhos/cm	1	08/12/25 16:55	ALA	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.41	0.41	mg/kg	1	08/15/25 15:49	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP2-B01@3"		
Lab Sample ID:	DA74116-3A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	93.6
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium [a]	153	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium [a]	28.8	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium [a]	91.0	2.5	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: L:MA30474
(2) Prep QC Batch: L:MP31280

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP2-B01@3"		
Lab Sample ID:	DA74116-3A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	93.6
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.77		ratio	1	08/11/25 20:07	ALA	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:	SEP2-B01@3"		
Lab Sample ID:	DA74116-3B	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	93.6
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	08/06/25	08/11/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19460
(2) Prep QC Batch: MP42213

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP2-B02@3"		
Lab Sample ID:	DA74116-4	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8260B	**Percent Solids:**	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V62838.D	1	08/08/25 04:51	MB	n/a	n/a	V6V2985
Run #2							

	Initial Weight	Final Volume
Run #1	5.05 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.0010	0.0010	mg/kg	
100-41-4	Ethylbenzene	< 0.0021	0.0021	mg/kg	
108-88-3	Toluene	< 0.0021	0.0021	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0021	0.0021	mg/kg	
	m,p-Xylene	< 0.0021	0.0021	mg/kg	
95-47-6	o-Xylene	< 0.0021	0.0021	mg/kg	
1330-20-7	Xylene (total)	< 0.0021	0.0021	mg/kg	
	TPH-GRO (C6-C10)	< 0.21	0.21	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	102%		70-130%
17060-07-0	1,2-Dichloroethane-D4	107%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	SEP2-B02@3"		
Lab Sample ID:	DA74116-4	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G19573B.D	1	08/08/25 14:57	ZL	08/07/25 10:00	OP28221	E6G737
Run #2							

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

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0042	0.0042	mg/kg	
120-12-7	Anthracene	< 0.0042	0.0042	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0052	0.0052	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0042	0.0042	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0042	0.0042	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0042	0.0042	mg/kg	
218-01-9	Chrysene	< 0.0042	0.0042	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0042	0.0042	mg/kg	
206-44-0	Fluoranthene	< 0.0042	0.0042	mg/kg	
86-73-7	Fluorene	< 0.0042	0.0042	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0042	0.0042	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-20-3	Naphthalene	< 0.0021	0.0021	mg/kg	
129-00-0	Pyrene	< 0.0042	0.0042	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	76%		10-130%
4165-60-0	Nitrobenzene-d5	73%		10-130%
1718-51-0	Terphenyl-d14	95%		10-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SEP2-B02@3"		
Lab Sample ID:	DA74116-4	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP083596.D	1	08/07/25 06:50	JB	08/06/25 10:00	OP28211	GFP2461
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.1	4.1	mg/kg	
	TPH-ORO (> C28-C36)	15.4	6.2	mg/kg	

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

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	SEP2-B02@3"		
Lab Sample ID:	DA74116-4	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.9	0.10	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	58.8	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.11	0.050	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	8.5	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	5.8	0.25	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	6.3	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.050	0.050	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	26.2	5.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19574
(2) Prep QC Batch: MP42694

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP2-B02@3"		
Lab Sample ID:	DA74116-4	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	96		%	1	08/06/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	7.97		su	1	08/11/25 11:00	ALA	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.47	0.010	mmhos/cm	1	08/12/25 16:55	ALA	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.43	0.43	mg/kg	1	08/15/25 16:13	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP2-B02@3"		
Lab Sample ID:	DA74116-4A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium [a]	49.5	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium [a]	7.00	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium [a]	46.6	2.5	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: L:MA30474
(2) Prep QC Batch: L:MP31280

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP2-B02@3"		
Lab Sample ID:	DA74116-4A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	1.64		ratio	1	08/11/25 20:13	ALA	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:	SEP2-B02@3"		
Lab Sample ID:	DA74116-4B	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.0
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	08/06/25	08/11/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19460
(2) Prep QC Batch: MP42213

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP3-B01@3"		
Lab Sample ID:	DA74116-5	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8260B	**Percent Solids:**	97.8
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V62839.D	1	08/08/25 05:13	MB	n/a	n/a	V6V2985
Run #2							

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

VOA COGCC Table 915 soil list

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%
17060-07-0	1,2-Dichloroethane-D4	103%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	SEP3-B01@3"		
Lab Sample ID:	DA74116-5	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	97.8
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G19574B.D	1	08/08/25 15:21	ZL	08/07/25 10:00	OP28221	E6G737
Run #2							

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

COGCC Table 915-1 PAH List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	87%		10-130%
4165-60-0	Nitrobenzene-d5	84%		10-130%
1718-51-0	Terphenyl-d14	104%		10-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SEP3-B01@3"		
Lab Sample ID:	DA74116-5	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	97.8
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP083597.D	1	08/07/25 07:05	JB	08/06/25 10:00	OP28211	GFP2461
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.0	4.0	mg/kg	
	TPH-ORO (> C28-C36)	9.59	6.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		20-142%

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	SEP3-B01@3"		
Lab Sample ID:	DA74116-5	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	97.8
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0	0.10	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	60.8	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.094	0.050	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	9.9	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	9.0	0.25	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	7.3	1.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.050	0.050	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	24.1	5.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19574
(2) Prep QC Batch: MP42694

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP3-B01@3"		
Lab Sample ID:	DA74116-5	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	97.8
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	97.8		%	1	08/06/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	8.11		su	1	08/11/25 11:00	ALA	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.87	0.010	mmhos/cm	1	08/12/25 16:55	ALA	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.42	0.42	mg/kg	1	08/15/25 16:21	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP3-B01@3"		
Lab Sample ID:	DA74116-5A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	97.8
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium [a]	69.3	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium [a]	18.2	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium [a]	86.4	2.5	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: L:MA30474
(2) Prep QC Batch: L:MP31280

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP3-B01@3"		
Lab Sample ID:	DA74116-5A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	97.8
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	2.39		ratio	1	08/11/25 20:19	ALA	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:	SEP3-B01@3"		
Lab Sample ID:	DA74116-5B	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	97.8
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	08/06/25	08/11/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19460
(2) Prep QC Batch: MP42213

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP3-B02@3"		
Lab Sample ID:	DA74116-6	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8260B	**Percent Solids:**	96.4
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6V62840.D	1	08/08/25 05:36	MB	n/a	n/a	V6V2985
Run #2							

	Initial Weight	Final Volume
Run #1	5.46 g	5.0 ml
Run #2		

VOA COGCC Table 915 soil list

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	< 0.00095	0.00095	mg/kg	
100-41-4	Ethylbenzene	< 0.0019	0.0019	mg/kg	
108-88-3	Toluene	< 0.0019	0.0019	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	< 0.0019	0.0019	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	< 0.0019	0.0019	mg/kg	
	m,p-Xylene	< 0.0019	0.0019	mg/kg	
95-47-6	o-Xylene	< 0.0019	0.0019	mg/kg	
1330-20-7	Xylene (total)	< 0.0019	0.0019	mg/kg	
	TPH-GRO (C6-C10)	< 0.19	0.19	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%
17060-07-0	1,2-Dichloroethane-D4	107%		70-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range

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

Report of Analysis

Client Sample ID:	SEP3-B02@3"		
Lab Sample ID:	DA74116-6	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846 8270E SW846 3570	**Percent Solids:**	96.4
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G19575B.D	1	08/08/25 15:45	ZL	08/07/25 10:00	OP28221	E6G737
Run #2							

	Initial Weight	Final Volume
Run #1	4.9 g	10.0 ml
Run #2		

COGCC Table 915-1 PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	< 0.0042	0.0042	mg/kg	
120-12-7	Anthracene	< 0.0042	0.0042	mg/kg	
56-55-3	Benzo(a)anthracene	< 0.0053	0.0053	mg/kg	
205-99-2	Benzo(b)fluoranthene	< 0.0042	0.0042	mg/kg	
207-08-9	Benzo(k)fluoranthene	< 0.0042	0.0042	mg/kg	
50-32-8	Benzo(a)pyrene	< 0.0042	0.0042	mg/kg	
218-01-9	Chrysene	< 0.0042	0.0042	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	< 0.0042	0.0042	mg/kg	
206-44-0	Fluoranthene	< 0.0042	0.0042	mg/kg	
86-73-7	Fluorene	< 0.0042	0.0042	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	< 0.0042	0.0042	mg/kg	
90-12-0	1-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-57-6	2-Methylnaphthalene	< 0.0042	0.0042	mg/kg	
91-20-3	Naphthalene	< 0.0021	0.0021	mg/kg	
129-00-0	Pyrene	< 0.0042	0.0042	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	71%		10-130%
4165-60-0	Nitrobenzene-d5	70%		10-130%
1718-51-0	Terphenyl-d14	102%		10-130%

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SEP3-B02@3"		
Lab Sample ID:	DA74116-6	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
Method:	SW846-8015C SW846 3570	**Percent Solids:**	96.4
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FP083598.D	1	08/07/25 07:20	JB	08/06/25 10:00	OP28211	GFP2461
Run #2							

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

DRO C10-C28, ORO > C28-C36

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	< 4.1	4.1	mg/kg	
	TPH-ORO (> C28-C36)	11.7	6.2	mg/kg	

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

RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SEP3-B02@3"		
Lab Sample ID:	DA74116-6	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.4
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.0	0.099	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Barium	57.8	0.99	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Cadmium	0.099	0.050	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Copper	7.6	0.99	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Lead	5.5	0.25	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Nickel	6.2	0.99	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Selenium	< 0.20	0.20	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Silver	< 0.050	0.050	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]
Zinc	26.2	5.0	mg/kg	5	09/03/25	09/04/25	CDL	SW846 6020B [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA19574
(2) Prep QC Batch: MP42694

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP3-B02@3"		
Lab Sample ID:	DA74116-6	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.4
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
%solids							
Solids, Percent	96.4		%	1	08/06/25	JL	SM2540G-2011 M
pH-saturated paste method							
pH [a]	8.25		su	1	08/11/25 11:00	ALA	WREP-125,4E-SATPASTE
prep: DEPT.OF AG, BOOK N9							
Specific Conductivity [a]	0.26	0.010	mmhos/cm	1	08/12/25 16:55	ALA	SM 2510B-2011 MOD
Chromium, Hexavalent [b]	< 0.42	0.42	mg/kg	1	08/15/25 16:45	ANJ	SW846 3060A/7199

(a) Analysis performed at SGS Scott, LA.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP3-B02@3"		
Lab Sample ID:	DA74116-6A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.4
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

SAR Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Calcium [a]	49.2	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Magnesium [a]	4.40	0.50	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]
Sodium [a]	6.46	2.5	mg/l	5	08/11/25	08/11/25	ALA	SW846 6010C [1]	USDA HANDBOOK 60 [2]

(1) Instrument QC Batch: L:MA30474
(2) Prep QC Batch: L:MP31280

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SEP3-B02@3"		
Lab Sample ID:	DA74116-6A	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.4
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Sodium Adsorption Ratio [a]	0.237		ratio	1	08/11/25 20:25	ALA	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:	SEP3-B02@3"		
Lab Sample ID:	DA74116-6B	**Date Sampled:**	08/04/25
Matrix:	SO - Soil	**Date Received:**	08/04/25
		Percent Solids:	96.4
Project:	TASMCOA: Edith Ann-Duckworth Facilities 21H-0268		

Hot Water Soluble Boron Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Boron	< 0.25	0.25	mg/l	1	08/06/25	08/11/25	BR	SW846 6010C [1]	HWS-B [2]

(1) Instrument QC Batch: MA19460
(2) Prep QC Batch: MP42213

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

PAGE 1 OF 1

4036 Youngfield Street, Wheat Ridge, CO 80033
TEL 303-425-6021 FAX 303-425-6854
www.accutest.com

FED-EX Tracking # | Bottle Order Control #

Accutest Quote # | Accutest Job # DA 74116

Client / Reporting Information

Company Name	Tasman/Civitas
Street Address	4725 Independence St.
City, State ZIP	Wheat Ridge, CO 80033
Project Contact	Sam Vogt / Jacob Evans
Phone #	610-405-9078
Email	svogt@tasman-geo.com / jevans@civitasresources.com

Sampler(s) Name(s): Isabel Eikermann

Project Information

Project Name: Edith Ann-Duckworth Facility 28H-0268
AFE#: 250347, 250351, 250344 | Billing Code: 8523.195
Street | City, State ZIP
Project # | Client Purchase Order #
Project Manager: Sam Vogt / Jacob Evans

Billing Information (if different from Report to)

Company Name: Accounts Payable Civitas Resources, Inc
Street Address: 650 Southgate Dr.
City, State Zip Code: Windsor, CO 80550

Requested Analysis (see TEST CODE sheet)

Accutest 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	MEOH	ENCORE	BTEXN, TMBs - 915	TPH - 915	PAH - 915	Metals - 915	pH, EC, SAR, Boron - 915	Full Table 915-1	Matrix Codes / LAB USE ONLY
01	SEP1-B01@3'		8/4/25	13:06	IE	SO	3					X									X	
02	SEP1-B02@3'			13:08																		
03	SEP2-B01@3'			13:10																		
04	SEP2-B02@3'			13:12																		
05	SEP3-B01@3'			13:14																		
06	SEP3-B02@3'			13:16																		

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

Turnaround Time (Business days)

- [ ] Std. 15 Business Days
- [x] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day Emergency
- [ ] 2 Day Emergency
- [ ] 1 Day Emergency

Approved By (Accutest PM): / Date:

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] COMMBN
- [ ] COMMBN+
- [ ] State Forms Required
- [ ] Send Forms to State
- [ ] Report by Fax
- [ ] Report by PDF
- [ ] EDD Format

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial BN = Results/QC/Narrative (+ = chromatograms)

Comments / Special Instructions

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		8/4/25 16.15				
2						
3						
4						
5						

Custody Seal # | [ ] Intact [ ] Not intact | Preserved where applicable | On Ice | Cooler Temp. 4.0

SGS Sample Receipt Summary

Job Number: da74116 **Client:** TASMAN/CIVITAS **Project:** EDITH ANN-DUCKWORTH

Date / Time Received: 8/4/2025 4:15:00 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

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

Residual Chlorine Test Strip Lot

Number of Lab Filtered Metals

Other: (Specify)

Comments

SM001
Rev. Date 05/04/17

Technician: JEREMYD Date: 8/4/2025 4:26:23 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: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2985-MB	6V62825.D	1	08/08/25	MB	n/a	n/a	V6V2985

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

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

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	100%	70-130%
17060-07-0	1,2-Dichloroethane-D4	105%	70-130%

Blank Spike Summary

Job Number: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2985-BS	6V62822.D	1	08/07/25	MB	n/a	n/a	V6V2985

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
71-43-2	Benzene	50	46.7	93	70-130
100-41-4	Ethylbenzene	50	49.1	98	70-130
108-88-3	Toluene	50	47.3	95	70-130
95-63-6	1,2,4-Trimethylbenzene	50	51.0	102	70-130
108-67-8	1,3,5-Trimethylbenzene	50	50.7	101	70-130
	m,p-Xylene	100	98.4	98	70-130
95-47-6	o-Xylene	50	52.1	104	70-130
1330-20-7	Xylene (total)	150	151	101	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	70-130%
2037-26-5	Toluene-D8	100%	70-130%
460-00-4	4-Bromofluorobenzene	97%	70-130%
17060-07-0	1,2-Dichloroethane-D4	98%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V6V2985-BS	6V62823.D	1	08/07/25	MB	n/a	n/a	V6V2985

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
	TPH-GRO (C6-C10)	2000	2230	112	50-200

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	70-130%
2037-26-5	Toluene-D8	99%	70-130%
460-00-4	4-Bromofluorobenzene	101%	70-130%
17060-07-0	1,2-Dichloroethane-D4	100%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA74120-26MS	6V62830.D	1	08/08/25	MB	n/a	n/a	V6V2985
DA74120-26MSD	6V62831.D	1	08/08/25	MB	n/a	n/a	V6V2985
DA74120-26	6V62828.D	1	08/08/25	MB	n/a	n/a	V6V2985

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

CAS No.	Compound	DA74120-26 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	< 1.1		49.3	46.1	93	52.7	47.7	91	3	43-130/30
100-41-4	Ethylbenzene	< 2.2		49.3	48.6	99	52.7	49.9	95	3	15-145/30
108-88-3	Toluene	< 2.2		49.3	47.0	95	52.7	47.3	90	1	37-130/30
95-63-6	1,2,4-Trimethylbenzene	< 2.2		49.3	51.1	104	52.7	52.0	99	2	5-177/30
108-67-8	1,3,5-Trimethylbenzene	< 2.2		49.3	51.1	104	52.7	51.2	97	0	6-159/30
	m,p-Xylene	< 2.2		98.6	97.1	98	105	100	95	3	21-142/30
95-47-6	o-Xylene	< 2.2		49.3	51.2	104	52.7	52.3	99	2	25-140/30
1330-20-7	Xylene (total)	< 2.2		148	148	100	158	153	97	3	17-142/30

CAS No.	Surrogate Recoveries	MS	MSD	DA74120-26	Limits
1868-53-7	Dibromofluoromethane	99%	97%	99%	70-130%
2037-26-5	Toluene-D8	102%	99%	100%	70-130%
460-00-4	4-Bromofluorobenzene	100%	101%	103%	70-130%
17060-07-0	1,2-Dichloroethane-D4	96%	97%	103%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
DA74120-27MS	6V62832.D	1	08/08/25	MB	n/a	n/a	V6V2985
DA74120-27MSD	6V62833.D	1	08/08/25	MB	n/a	n/a	V6V2985
DA74120-27	6V62829.D	1	08/08/25	MB	n/a	n/a	V6V2985

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

CAS No.	Compound	DA74120-27 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)	< 210		2060	1520	74	2060	1670	81	9	5-200/30

CAS No.	Surrogate Recoveries	MS	MSD	DA74120-27	Limits
1868-53-7	Dibromofluoromethane	107%	102%	107%	70-130%
2037-26-5	Toluene-D8	105%	101%	100%	70-130%
460-00-4	4-Bromofluorobenzene	104%	104%	99%	70-130%
17060-07-0	1,2-Dichloroethane-D4	107%	106%	111%	70-130%

* = Outside of Control Limits.

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

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

Method Blank Summary

Job Number: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28221-MB	6G19553A.D	1	08/08/25	ZL	08/07/25	OP28221	E6G737

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

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

CAS No.	Surrogate Recoveries		Limits
321-60-8	2-Fluorobiphenyl	54%	10-130%
4165-60-0	Nitrobenzene-d5	27%	10-130%
1718-51-0	Terphenyl-d14	102%	10-130%

Blank Spike Summary

Job Number: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28221-BS	6G19554A.D	1	08/08/25	ZL	08/07/25	OP28221	E6G737

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
83-32-9	Acenaphthene	200	119	60	31-130
120-12-7	Anthracene	200	164	82	46-134
56-55-3	Benzo(a)anthracene	200	166	83	52-135
205-99-2	Benzo(b)fluoranthene	200	187	94	50-136
207-08-9	Benzo(k)fluoranthene	200	191	96	52-134
50-32-8	Benzo(a)pyrene	200	185	93	50-130
218-01-9	Chrysene	200	184	92	51-131
53-70-3	Dibenzo(a,h)anthracene	200	197	99	49-136
206-44-0	Fluoranthene	200	178	89	51-137
86-73-7	Fluorene	200	149	75	38-130
193-39-5	Indeno(1,2,3-cd)pyrene	200	197	99	50-139
90-12-0	1-Methylnaphthalene	200	69.9	35	18-130
91-57-6	2-Methylnaphthalene	200	63.9	32	16-130
91-20-3	Naphthalene	200	27.6	14	5-130
129-00-0	Pyrene	200	168	84	48-136

CAS No.	Surrogate Recoveries	BSP	Limits
321-60-8	2-Fluorobiphenyl	53%	10-130%
4165-60-0	Nitrobenzene-d5	24%	10-130%
1718-51-0	Terphenyl-d14	93%	10-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28221-MS	6G19555A.D	1	08/08/25	ZL	08/07/25	OP28221	E6G737
OP28221-MSD	6G19556A.D	1	08/08/25	ZL	08/07/25	OP28221	E6G737
DA74113-13	6G19557A.D	1	08/08/25	ZL	08/07/25	OP28221	E6G737

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

CAS No.	Compound	DA74113-13 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	< 4.7		234	141	60	239	174	73	21	12-130/52
120-12-7	Anthracene	< 4.7		234	159	68	239	182	76	13	31-130/60
56-55-3	Benzo(a)anthracene	< 5.9		234	165	70	239	188	79	13	34-130/60
205-99-2	Benzo(b)fluoranthene	< 4.7		234	170	73	239	186	78	9	10-168/60
207-08-9	Benzo(k)fluoranthene	< 4.7		234	179	76	239	204	85	13	30-130/60
50-32-8	Benzo(a)pyrene	< 4.7		234	184	79	239	202	85	9	10-179/60
218-01-9	Chrysene	< 4.7		234	172	73	239	198	83	14	34-130/60
53-70-3	Dibenzo(a,h)anthracene	< 4.7		234	195	83	239	224	94	14	20-138/60
206-44-0	Fluoranthene	< 4.7		234	156	67	239	169	71	8	32-130/60
86-73-7	Fluorene	< 4.7		234	149	64	239	186	78	22	20-130/60
193-39-5	Indeno(1,2,3-cd)pyrene	< 4.7		234	188	80	239	203	85	8	17-148/60
90-12-0	1-Methylnaphthalene	< 4.7		234	142	61	239	172	72	19	10-130/41
91-57-6	2-Methylnaphthalene	< 4.7		234	128	55	239	160	67	22	14-130/40
91-20-3	Naphthalene	< 2.3		234	132	56	239	161	67	20	10-130/40
129-00-0	Pyrene	< 4.7		234	153	65	239	175	73	13	31-130/60

CAS No.	Surrogate Recoveries	MS	MSD	DA74113-13	Limits
321-60-8	2-Fluorobiphenyl	65%	72%	79%	10-130%
4165-60-0	Nitrobenzene-d5	76%	85%	89%	10-130%
1718-51-0	Terphenyl-d14	73%	89%	101%	10-130%

* = 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: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28211-MB	FP083579.D	1	08/07/25	JB	08/06/25	OP28211	GFP2461

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

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

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	96%	20-142%

Blank Spike Summary

Job Number: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28211-BS	FP083580.D	1	08/07/25	JB	08/06/25	OP28211	GFP2461

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-DRO (C10-C28)	200	170	85	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	103%	20-142%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28211-BS2	FP083581.D	1	08/07/25	JB	08/06/25	OP28211	GFP2461

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-ORO (> C28-C36)	200	192	96	70-138

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	81%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28211-MS1	FP083582.D	1	08/07/25	JB	08/06/25	OP28211	GFP2461
OP28211-MSD1	FP083583.D	1	08/07/25	JB	08/06/25	OP28211	GFP2461
DA74113-20	FP083586.D	1	08/07/25	JB	08/06/25	OP28211	GFP2461

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

CAS No.	Compound	DA74113-20 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)	< 5.0		249	229	92	251	213	85	7	59-130/30

CAS No.	Surrogate Recoveries	MS	MSD	DA74113-20	Limits
84-15-1	o-Terphenyl	114%	96%	84%	20-142%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: DA74116
Account: CIVITCOW Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP28211-MS2	FP083584.D	1	08/07/25	JB	08/06/25	OP28211	GFP2461
OP28211-MSD2	FP083585.D	1	08/07/25	JB	08/06/25	OP28211	GFP2461
DA74113-21	FP083587.D	1	08/07/25	JB	08/06/25	OP28211	GFP2461

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

DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

CAS No.	Compound	DA74113-21 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-ORO (> C28-C36)	< 7.2		241	236	98	241	236	98	0	70-153/30

CAS No.	Surrogate Recoveries	MS	MSD	DA74113-21	Limits
84-15-1	o-Terphenyl	91%	93%	96%	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: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42213
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/06/25

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	-3.0	<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 MP42213: DA74116-1B, DA74116-2B, DA74116-3B, DA74116-4B, DA74116-5B, DA74116-6B

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

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42213 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/06/25

Metal	RL	IDL	MDL	MB raw	final

(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42213
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date:			08/06/25					08/06/25	
Metal	DA74119-3B Original	DUP	RPD	QC Limits	DA74119-3B Original	MS	Spikelot ICPALL6	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Boron	66.5	52.5	23.5 (a)	0-20	66.5	10800	10000	107.3	75-125
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel									
Phosphorus									
Potassium									
Selenium									
Silicon									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Uranium									
Vanadium									
Zinc									

Associated samples MP42213: DA74116-1B, DA74116-2B, DA74116-3B, DA74116-4B, DA74116-5B, DA74116-6B

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42213
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/06/25 08/06/25

Metal	DA74119-3B Original DUP	RPD	QC Limits	DA74119-3B Original MS	Spikelot ICPALL6	% Rec	QC 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: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42213 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/06/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	9580	10000	95.8	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 MP42213: DA74116-1B, DA74116-2B, DA74116-3B, DA74116-4B, DA74116-5B, DA74116-6B

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

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42213 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/06/25

Metal	BSP Result	Spikelot ICPALL6	% Rec	QC Limits

(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42213 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/06/25

Metal	DA74119-3B Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron	13.3	9.00	32.3 (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 MP42213: DA74116-1B, DA74116-2B, DA74116-3B, DA74116-4B, DA74116-5B, DA74116-6B

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42213 Methods: SW846 6010C
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 08/06/25

	DA74119-3B		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: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42694 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/03/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	25	.26	2.5		
Antimony	0.20	.005	.025		
Arsenic	0.10	.025	.025	0.013	<0.10
Barium	1.0	.048	.12	0.030	<1.0
Beryllium	0.10	.038	.02		
Boron	20	9.1	5		
Cadmium	0.050	.015	.02	0.0060	<0.050
Calcium	200	13	15		
Chromium	1.0	.043	.3		
Cobalt	0.10	.02	.013		
Copper	1.0	.025	.13	0.00016	<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	0.26	<1.0
Phosphorus	30	3.8	13		
Potassium	100	1	13		
Selenium	0.20	.025	.025	0.017	<0.20
Silver	0.050	.0041	.015	0.00087	<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	0.046	<5.0

Associated samples MP42694: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

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: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42694 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/03/25

Metal	DA74116-1 Original	MS	Spikelot ICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	2.9	95.0	103	89.7	75-125
Barium	84.4	292	205	101.1	75-125
Beryllium					
Boron					
Cadmium	0.18	52.7	51.3	102.4	75-125
Calcium					
Chromium					
Cobalt					
Copper	10.5	60.3	51.3	97.1	75-125
Iron					
Lead	11.0	119	103	105.2	75-125
Magnesium					
Manganese					
Molybdenum					
Nickel	9.0	56.4	51.3	92.4	75-125
Phosphorus					
Potassium					
Selenium	0.21	88.4	103	85.9	75-125
Silver	0.047	21.2	20.5	103.1	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	37.9	87.1	51.3	95.9	75-125

Associated samples MP42694: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

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: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42694 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/03/25

Metal	DA74116-1 Original	MSD	Spikelot ICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	2.9	91.2	99.5	88.8	4.1	20
Barium	84.4	267	199	91.8	8.9	20
Beryllium						
Boron						
Cadmium	0.18	49.6	49.7	99.3	6.1	20
Calcium						
Chromium						
Cobalt						
Copper	10.5	55.4	49.7	90.3	8.5	20
Iron						
Lead	11.0	104	99.5	93.5	13.5	20
Magnesium						
Manganese						
Molybdenum						
Nickel	9.0	53.0	49.7	88.5	6.2	20
Phosphorus						
Potassium						
Selenium	0.21	90.2	99.5	90.5	2.0	20
Silver	0.047	19.8	19.9	99.3	6.8	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	37.9	79.7	49.7	84.0	8.9	20

Associated samples MP42694: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

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: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42694 Methods: SW846 6020B
Matrix Type: SOLID Units: mg/kg

Prep Date: 09/03/25

Metal	BSP Result	Spikelot ICPMS6	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	99.3	100	99.3	80-120
Barium	193	200	96.5	80-120
Beryllium				
Boron				
Cadmium	51.4	50	102.8	80-120
Calcium				
Chromium				
Cobalt				
Copper	51.0	50	102.0	80-120
Iron				
Lead	101	100	101.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel	50.5	50	101.0	80-120
Phosphorus				
Potassium				
Selenium	99.3	100	99.3	80-120
Silver	20.4	20	102.0	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	48.7	50	97.4	80-120

Associated samples MP42694: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74116
Account: CIVITCOW - Civitas
Project: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP42694 Methods: SW846 6020B
Matrix Type: SOLID Units: ug/l

Prep Date: 09/03/25

Metal	DA74116-1 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	28.5	30.4	6.7	0-20
Barium	822	819	0.4	0-20
Beryllium				
Boron				
Cadmium	1.75	1.31	25.3 (a)	0-20
Calcium				
Chromium				
Cobalt				
Copper	102	112	9.5	0-20
Iron				
Lead	107	107	0.3	0-20
Magnesium				
Manganese				
Molybdenum				
Nickel	88.1	95.8	8.8	0-20
Phosphorus				
Potassium				
Selenium	2.00	2.30	15.2	0-20
Silver	0.461	0.451	2.0	0-20
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	369	403	9.2	0-20

Associated samples MP42694: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

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).

Misc. Forms

Custody Documents and Other Forms

(SGS Scott, LA)

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

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA74116

Client / Reporting Information

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

Project Information

Project Name: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

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	MEOH	ENCORE	AGMS ,ASMS ,BAMS ,CDMS ,CUMS ,NIMS ,PBMS ,SCON ,SEMS ,ZNMS ,	PASTE ,SAR ,SARCA ,SARMG ,SARNA ,	LAB USE ONLY
1	SEP1-B01@3"		8/4/25	1:06:00 PM	IE	SO										X		
1A	SEP1-B01@3"		8/4/25	1:06:00 PM	IE	SO											X	1
2	SEP1-B02@3"		8/4/25	1:08:00 PM	IE	SO										X		
2A	SEP1-B02@3"		8/4/25	1:08:00 PM	IE	SO											X	
3	SEP2-B01@3"		8/4/25	1:10:00 PM	IE	SO										X		
3A	SEP2-B01@3"		8/4/25	1:10:00 PM	IE	SO											X	
4	SEP2-B02@3"		8/4/25	1:12:00 PM	IE	SO										X		
4A	SEP2-B02@3"		8/4/25	1:12:00 PM	IE	SO											X	
5	SEP3-B01@3"		8/4/25	1:14:00 PM	IE	SO										X		
5A	SEP3-B01@3"		8/4/25	1:14:00 PM	IE	SO											X	
6	SEP3-B02@3"		8/4/25	1:16:00 PM	IE	SO										X		
6A	SEP3-B02@3"		8/4/25	1:16:00 PM	IE	SO											X	

RUSH!!

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 8/13/2025

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

Data Deliverable Information

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

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

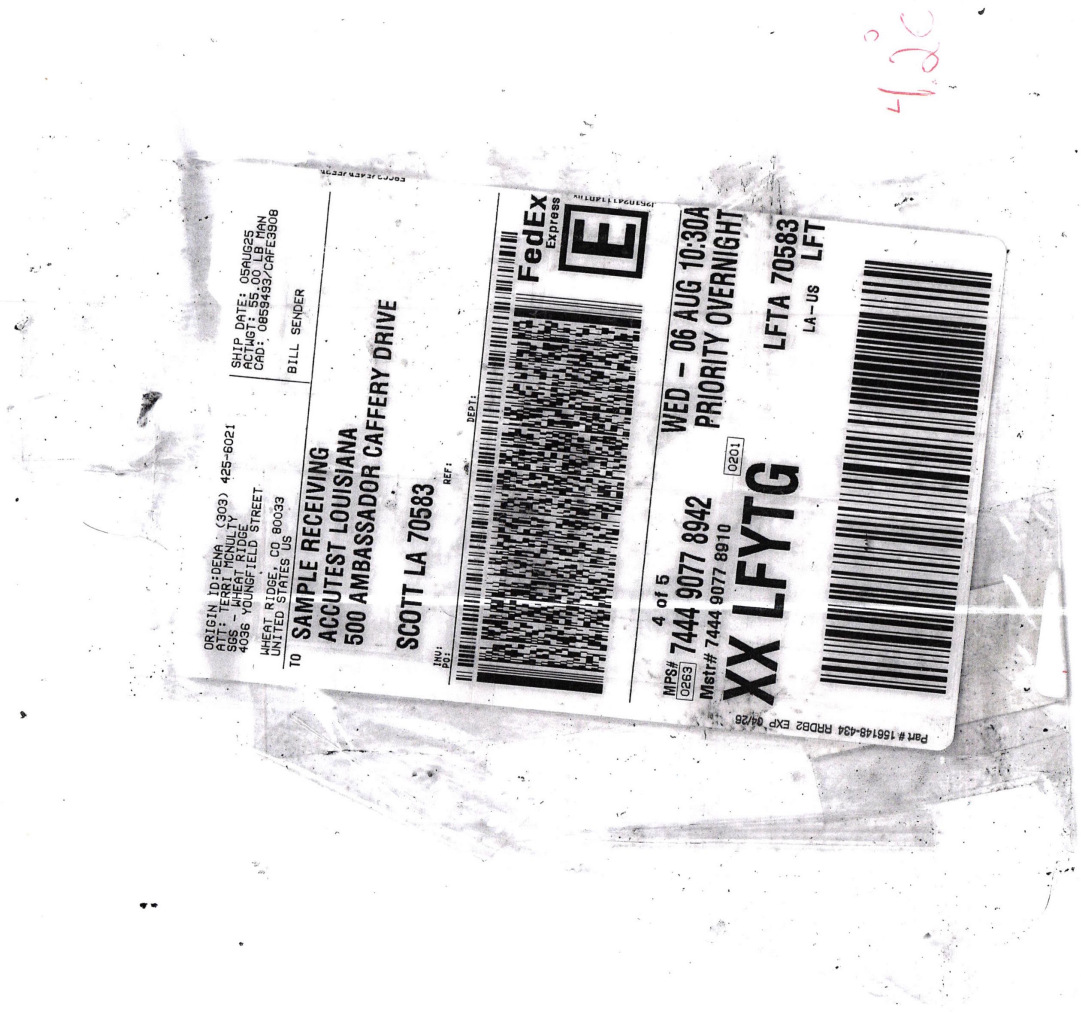
Comments / Special Instructions

RMM41 (3w)

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: 1	Date Time:	Received By: 1 FX	Relinquished By: 2 FX	8/6/25	Date Time: 0845	Received By: 2 WT	
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4		Date Time:	Received By: 4	
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # C/S COOL	☑ Intact ☐ Not intact	Preserved where applicable ☐	Therm. ID:	On Ice ☑ Cooler Temp. ID004 4.2



DA74116: Chain of Custody
Page 2 of 3

SGS Sample Receipt Summary

Job Number: da74116 **Client:** SGS NORTH AMERICA INC **Project:** TASMCOA: EDITH ANN-DUCKWORTH FA

Date / Time Received: 8/6/2025 8:45:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 744490778942

Cooler Temps (Raw Measured) °C: Cooler 1: (4.2);

Cooler Temps (Corrected) °C: Cooler 1: (4.2);

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

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

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

9.1
9

DA74116: Chain of Custody
Page 3 of 3

Metals Analysis

QC Data Summaries

(SGS Scott, LA)

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31256
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 08/07/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.014	4.3		
Antimony	0.10	.00022	.049		
Arsenic	0.10	.00079	.041	-0.00090	<0.10
Barium	0.10	.00041	.059	0.0012	<0.10
Beryllium	0.10	.00035	.053		
Boron	2.0	.043	.59		
Cadmium	0.050	.00016	.035	0.00020	<0.050
Calcium	10	.43	4.7		
Cerium	0.10	.00015	.056		
Chromium	0.10	.0016	.036		
Cobalt	0.10	.00016	.05		
Copper	0.10	.0008	.07	-0.0010	<0.10
Iron	10	.0097	4.2		
Lithium	0.20	.0012	.032		
Lead	0.10	.001	.056	0.0015	<0.10
Lanthanum	0.10	.00017	.053		
Magnesium	10	.016	3.6		
Manganese	0.10	.00091	.038		
Molybdenum	0.10	.00038	.028		
Nickel	0.10	.00038	.05	0.0	<0.10
Potassium	10	.25	6		
Selenium	0.10	.015	.015	0.00030	<0.10
Silver	0.10	.00024	.017	0.00010	<0.10
Silicon	50	.42	5.4		
Sodium	10	.22	3.3		
Strontium	0.10	.00054	.043		
Thallium	0.10	.00023	.057		
Tin	0.10	.002	.0065		
Titanium	0.20	.0021	.071		
Uranium	0.10	.00019	.039		
Vanadium	0.10	.00087	.023		
Zinc	0.10	.0017	.01	0.00050	<0.10

Associated samples MP31256: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31256 Methods: SW846 6020A
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/07/25

Metal	RL	IDL	MDL	MB raw	final

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

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31256
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 08/07/25

Metal	DA74113-21 Original	MS	Spikelot MPICPMS6	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	8.3	21.3	12.3	105.7	75-125
Barium	212	170	12.3	-170.7(a	75-125
Beryllium					
Boron					
Cadmium	0.20	12.9	12.3	103.3	75-125
Calcium					
Cerium					
Chromium					
Cobalt					
Copper	12.6	29.2	12.3	135.0N(b	75-125
Iron					
Lithium					
Lead	15.3	20.7	12.3	62.6N(b)	75-125
Lanthanum					
Magnesium					
Manganese					
Molybdenum					
Nickel	13.4	30.9	12.3	142.3N(b	75-125
Potassium					
Selenium	3.8	71.2	61.5	109.6	75-125
Silver	0.043	0.56	12.3	4.2N (b)	75-125
Silicon					
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Uranium					
Vanadium					
Zinc	52.9	74.9	12.3	178.9(a)	75-125

Associated samples MP31256: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31256 Methods: SW846 6020A
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/07/25

	DA74113-21	Spikelot	QC
Metal	Original MS	MPICPMS6 % Rec	Limits

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) Spike recovery indicates possible matrix interference or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31256 Methods: SW846 6020A
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/07/25

Metal	DA74113-21 Original	MSD	Spikelot MPICPMS6	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	8.3	18.3	12.3	81.3	15.2	20
Barium	212	135	12.3	-455.3(a	23.0 (b)	20
Beryllium						
Boron						
Cadmium	0.20	12.8	12.3	102.4	0.8	20
Calcium						
Cerium						
Chromium						
Cobalt						
Copper	12.6	25.5	12.3	104.9	13.5	20
Iron						
Lithium						
Lead	15.3	21.9	12.3	72.4N(c)	5.6	20
Lanthanum						
Magnesium						
Manganese						
Molybdenum						
Nickel	13.4	26.9	12.3	109.8	13.8	20
Potassium						
Selenium	3.8	64.4	61.5	98.5	10.0	20
Silver	0.043	0.54	12.3	4.0N (c)	3.6	20
Silicon						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Uranium						
Vanadium						
Zinc	52.9	65.0	12.3	98.4	14.2	20

Associated samples MP31256: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31256 Methods: SW846 6020A
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/07/25

	DA74113-21	Spikelot	MSD	QC
Metal	Original MSD	MPICPMS6 % Rec	RPD	Limit

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) High RPD due to possible sample nonhomogeneity or matrix interference.
(c) Spike recovery indicates possible matrix interference or sample non-homogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31256
Matrix Type: SOLID

Methods: SW846 6020A
Units: mg/kg

Prep Date: 08/07/25

Metal	LCS Result	Spikelot LCSMETAL26% Rec	QC Limits
Aluminum			
Antimony			
Arsenic	149	148	100.7	80-120
Barium	214	191	112.0	80-120
Beryllium			
Boron			
Cadmium	202	190	106.3	80-120
Calcium			
Cerium			
Chromium			
Cobalt			
Copper	246	234	105.1	80-120
Iron			
Lithium			
Lead	110	98.6	111.6	80-120
Lanthanum			
Magnesium			
Manganese			
Molybdenum			
Nickel	161	155	103.9	80-120
Potassium			
Selenium	130	124	104.8	80-120
Silver	62.3	54.9	113.5	80-120
Silicon			
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Uranium			
Vanadium			
Zinc	358	345	103.8	80-120

Associated samples MP31256: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31256 Methods: SW846 6020A
Matrix Type: SOLID Units: mg/kg

Prep Date: 08/07/25

Metal	LCS Result	Spikelot LCSMETAL26	% Rec	QC Limits

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31256
Matrix Type: SOLID

Methods: SW846 6020A
Units: ug/l

Prep Date: 08/07/25

Metal	DA74113-21 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	67.9	62.5	7.9	0-10
Barium	1720	1450	6.6	0-10
Beryllium				
Boron				
Cadmium	1.66	1.57	5.0	0-10
Calcium				
Cerium				
Chromium				
Cobalt				
Copper	103	101	2.0	0-10
Iron				
Lithium				
Lead	124	104	1.5	0-10
Lanthanum				
Magnesium				
Manganese				
Molybdenum				
Nickel	109	107	1.2	0-10
Potassium				
Selenium	30.8	18.6	39.7 (a)	0-10
Silver	0.352	0.307	12.8 (a)	0-10
Silicon				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Uranium				
Vanadium				
Zinc	430	414	3.6	0-10

Associated samples MP31256: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

SERIAL DILUTION RESULTS SUMMARY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31256 Methods: SW846 6020A
Matrix Type: SOLID Units: ug/l

Prep Date: 08/07/25

	DA74113-21	QC
Metal	Original SDL 5:25 %DIF	Limits

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).

POST DIGESTATE SPIKE SUMMARY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31256
Matrix Type: SOLID

Methods: SW846 6020A
Units: ug/l

Prep Date: 08/07/25

Metal	Sample ml	Final ml	DA74113-21 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Barium										
Beryllium										
Boron										
Cadmium										
Calcium										
Cerium										
Chromium										
Cobalt										
Copper	.04	10	102.597	.410388	94.92	.1	10	100	94.5	75-125
Iron										
Lithium										
Lead	.4	10	124.188	4.2236	94.81	.1	10	100	90.6	75-125
Lanthanum										
Magnesium										
Manganese										
Molybdenum										
Nickel	.04	10	108.545	.43418	95.803	.1	10	100	95.4	75-125
Potassium										
Silver	.4	10	.566	.01408	94.691	.1	10	100	94.7	75-125
Silicon										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Uranium										
Vanadium										

Associated samples MP31256: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31280
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/11/25

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	13	25		
Antimony	6.0	2	3.6		
Arsenic	10	2.4	8.6		
Barium	10	.36	1.7		
Beryllium	4.0	.06	.9		
Boron	100	.72	42		
Cadmium	5.0	.14	.9		
Calcium	100	3.8	32	-17	<100
Chromium	10	.39	1.2		
Cobalt	10	.26	1.1		
Copper	10	.77	2.8		
Iron	100	2.9	18		
Lead	10	1.4	3.7		
Lithium	10	2.4	4.3		
Magnesium	100	22	40	1.7	<100
Manganese	10	.11	.9		
Molybdenum	10	.16	1.7		
Nickel	10	.29	1.5		
Potassium	500	50	120		
Selenium	10	1.5	4.3		
Silver	10	.57	3.7		
Sodium	500	20	120	43.1	<500
Strontium	10	.1	3		
Thallium	10	1.5	4.6		
Tin	10	.74	1.7		
Titanium	10	.41	.8		
Vanadium	10	.39	1.5		
Zinc	20	.18	12		

Associated samples MP31280: DA74116-1A, DA74116-2A, DA74116-3A, DA74116-4A, DA74116-5A, DA74116-6A

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: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31280
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/11/25

Metal	DA74113-21A Original	DUP	RPD	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	423000	431000	1.9	0-20
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	191000	194000	1.6	0-20
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	1140000	1140000	0.0	0-20
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP31280: DA74116-1A, DA74116-2A, DA74116-3A, DA74116-4A, DA74116-5A, DA74116-6A

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: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

QC Batch ID: MP31280
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 08/11/25

Metal	BSP Result	Spikelot LA29BSPIKE	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Boron				
Cadmium				
Calcium	3820	4000	95.5	80-120
Chromium				
Cobalt				
Copper				
Iron				
Lead				
Lithium				
Magnesium	1850	2000	92.5	80-120
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	96700	100000	96.7	80-120
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP31280: DA74116-1A, DA74116-2A, DA74116-3A, DA74116-4A, DA74116-5A, DA74116-6A

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

Misc. Forms

Custody Documents and Other Forms

(SGS Dayton, NJ)

Includes the following where applicable:

- Chain of Custody

SGS

So

CHAIN OF CUSTODY

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

FED-EX Tracking #:
Bottle Order Control #:
SGS Quote #:
SGS Job #: DA74116

Client / Reporting Information	Project Information	Billing Information (if different from Report to)
Company Name: SGS North America Inc.	Project Name: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268	
Street Address: 4036 Youngfield Street	Street	Company Name
City State Zip: Wheat Ridge, CO 8003:	City State	Street Address
Project Contact E-mail: parna.eskandaripayandeh@sgs.com	Project #	City State Zip
Phone # Fax #: 303-425-6021	Client Purchase Order #	Attention:
Sampler(s) Name(s) Phone: IE	Project Manager	

Requested Analysis (see TEST CODE sheet)

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

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	XCRA7199	LAB USE ONLY
1	SEP1-B01@3"		8/4/25	1:06:00 PM	IE	SO										X	
2	SEP1-B02@3"		8/4/25	1:08:00 PM	IE	SO										X	
3	SEP2-B01@3"		8/4/25	1:10:00 PM	IE	SO										X	
4	SEP2-B02@3"		8/4/25	1:12:00 PM	IE	SO										X	
5	SEP3-B01@3"		8/4/25	1:14:00 PM	IE	SO										X	
6	SEP3-B02@3"		8/4/25	1:16:00 PM	IE	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 8/13/2025

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

Data Deliverable Information

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

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

Comments / Special Instructions

Initial Assessment 3A-TJ
Label Verification

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	8-5-25	1 Fed ex	2 Fed ex	8/6/25 9:30	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal # ☐ Intact ☐ Not Intact	Preserved where applicable ☐ Therm. ID:	On Ice ☐ Cooler Temp. 0.7
5		5			

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DA74116: Chain of Custody
Page 1 of 2
SGS Dayton, NJ

SGS Sample Receipt Summary

Job Number: DA74116 **Client:** SGS NORTH AMERICA INC. **Project:** TASMCOA: EDITH ANN-DUCKWORTH FA

Date / Time Received: 8/6/2025 9:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (0.7);

Cooler Temps (Corrected) °C: Cooler 1: (0.7);

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:	1		

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

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: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Chromium, Hexavalent	GP63178/GN72263	0.40	0.0	mg/kg	40	38.3	95.8	80-120%
Chromium, Hexavalent	GP63178/GN72263			mg/kg	734	707	96.4	80-120%

Associated Samples:
Batch GP63178: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Chromium, Hexavalent	GP63178/GN72263	DA74117-2	mg/kg	0.0	0.0	0.0	0-20%

Associated Samples:
Batch GP63178: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Chromium, Hexavalent	GP63178/GN72263	DA74117-2	mg/kg	0.0	41.9	38.0	90.7(a)	75-125%
Chromium, Hexavalent	GP63178/GN72263	DA74117-2	mg/kg	0.0	981	963	98.2(b)	75-125%

Associated Samples:
Batch GP63178: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Good recovery on soluble XCR matrix spike. Good recovery (97.47%) on the post-spike.
(b) Good recovery on insoluble XCR matrix spike. See additional comments on soluble matrix spike recovery.

Misc. Forms

Custody Documents and Other Forms

(SGS Scott, LA)

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

FED-EX Tracking #: | Bottle Order Control #:
SGS Quote #: | SGS Job #: DA74116

Client / Reporting Information

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

Project Information

Project Name: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268
Street:
City: State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - OI; 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	MEOH	ENCORE	AGMS ,ASMS ,BAMS ,CDMS ,CUMS ,NIMS ,PBMS ,SCON ,SEMS ,ZNMS ,	PASTE ,SAR ,SARCA ,SARMG ,SARNA ,	LAB USE ONLY
1	SEP1-B01@3"		8/4/25	1:06:00 PM	IE	SO										X		
1A	SEP1-B01@3"		8/4/25	1:06:00 PM	IE	SO											X	1
2	SEP1-B02@3"		8/4/25	1:08:00 PM	IE	SO										X		
2A	SEP1-B02@3"		8/4/25	1:08:00 PM	IE	SO											X	
3	SEP2-B01@3"		8/4/25	1:10:00 PM	IE	SO										X		
3A	SEP2-B01@3"		8/4/25	1:10:00 PM	IE	SO											X	
4	SEP2-B02@3"		8/4/25	1:12:00 PM	IE	SO										X		
4A	SEP2-B02@3"		8/4/25	1:12:00 PM	IE	SO											X	
5	SEP3-B01@3"		8/4/25	1:14:00 PM	IE	SO										X		
5A	SEP3-B01@3"		8/4/25	1:14:00 PM	IE	SO											X	
6	SEP3-B02@3"		8/4/25	1:16:00 PM	IE	SO										X		
6A	SEP3-B02@3"		8/4/25	1:16:00 PM	IE	SO											X	

RUSH!!

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 8/13/2025

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

Data Deliverable Information

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

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

Comments / Special Instructions

RMM41 (3w)

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: 1	Date Time:	Received By: 1 FX	Relinquished By: 2 FX	8/6/25	Date Time: 0845	Received By: 2 WT	
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4		Date Time:	Received By: 4	
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal # C/S COOL	☑ Intact ☐ Not intact	Preserved where applicable ☐	Therm. ID:	On Ice ☑ Cooler Temp. ID004 4.2

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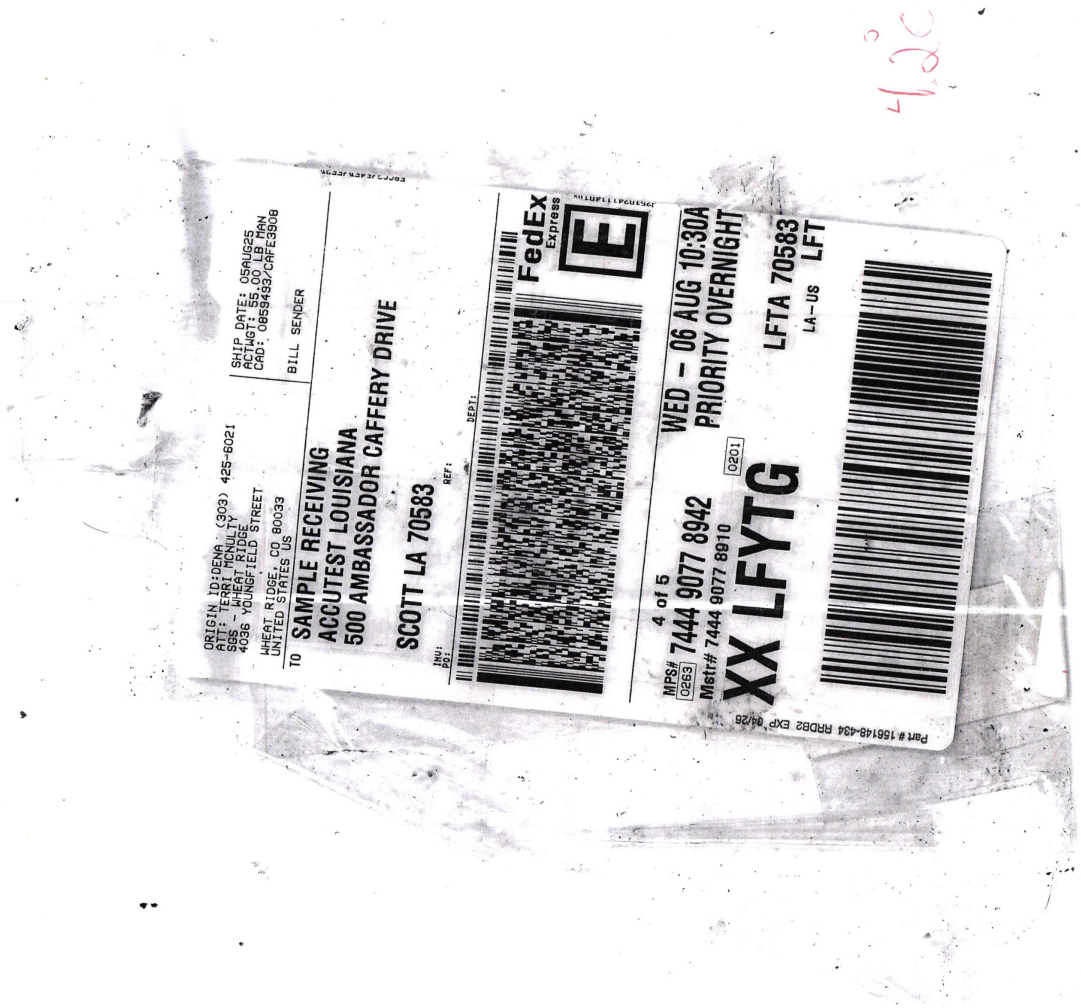
DA74116: Chain of Custody
Page 1 of 3
SGS Scott, LA



DA74116: Chain of Custody
Page 2 of 3

SGS Sample Receipt Summary

Job Number: da74116 **Client:** SGS NORTH AMERICA INC **Project:** TASMCOA: EDITH ANN-DUCKWORTH FA

Date / Time Received: 8/6/2025 8:45:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 744490778942

Cooler Temps (Raw Measured) °C: Cooler 1: (4.2);

Cooler Temps (Corrected) °C: Cooler 1: (4.2);

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

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

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

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

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

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

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

Comments

SM089-03
Rev. Date 12/7/17

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13

DA74116: Chain of Custody
Page 3 of 3

General Chemistry

QC Data Summaries

(SGS Scott, LA)

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: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Specific Conductivity	GN33781			mmhos/cm	xxxxxxxx	1.3	95.3	90-110%
pH	GN33762			su	xxxxxxx	7.01	100.1	99.1-100.9%

Associated Samples:
Batch GN33762: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6
Batch GN33781: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: DA74116
Account: ALMS - SGS Wheat Ridge, CO
Project: CIVITCOW: TASMCOA: Edith Ann-Duckworth Facilities 21H-0268

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Specific Conductivity	GN33781	DA74116-1	mmhos/cm	0.30	0.29	0.2	0-10%
pH	GN33762	DA74113-21	su	8.10	8.10	0.0	0-20%

Associated Samples:
Batch GN33762: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6
Batch GN33781: DA74116-1, DA74116-2, DA74116-3, DA74116-4, DA74116-5, DA74116-6
(*) Outside of QC limits