

LAB CHRONICLE

OrderID:	Q3164	OrderDate:	9/22/2025 2:37:00 PM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013 CSC 4151 Coram
Contact:	Staci Bruce	Location:	J22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3164-01	DA-1	Water			09/18/25 09:18			09/22/25
			COD	SM5220 D				
			Oil and Grease	1664A			09/25/25 15:47 09/26/25 09:00	
Q3164-02	DA-2	Water			09/18/25 09:30			09/22/25
			COD	SM5220 D				
			Oil and Grease	1664A			09/25/25 15:49 09/26/25 09:00	
Q3164-03	DA-3	Water			09/18/25 09:52			09/22/25
			COD	SM5220 D				
			Oil and Grease	1664A			09/25/25 15:50 09/26/25 09:00	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	09/18/25 09:18
Project:	AEC-2025-0013 CSC 4151 Coram	Date Received:	09/22/25
Client Sample ID:	DA-1	SDG No.:	Q3164
Lab Sample ID:	Q3164-01	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
COD	190	D	5	7.50	50.0	mg/L		09/25/25 15:47	SM 5220 D-11
Oil and Grease	18.4		1	0.29	5.00	mg/L		09/26/25 09:00	1664A

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	09/18/25 09:30
Project:	AEC-2025-0013 CSC 4151 Coram	Date Received:	09/22/25
Client Sample ID:	DA-2	SDG No.:	Q3164
Lab Sample ID:	Q3164-02	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
COD	160	D	5	7.50	50.0	mg/L		09/25/25 15:49	SM 5220 D-11
Oil and Grease	11.9		1	0.29	5.00	mg/L		09/26/25 09:00	1664A

Comments:

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LOD = Limit of Detection

D = Dilution

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	09/18/25 09:52
Project:	AEC-2025-0013 CSC 4151 Coram	Date Received:	09/22/25
Client Sample ID:	DA-3	SDG No.:	Q3164
Lab Sample ID:	Q3164-03	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
COD	190	D	5	7.50	50.0	mg/L		09/25/25 15:50	SM 5220 D-11
Oil and Grease	133		1	0.29	5.00	mg/L		09/26/25 09:00	1664A

Comments: _____

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LOQ = Limit of Quantitation

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: ATG-GREENVILLE AEC

SDG No.: Q3164

Project: AEC-2025-0013 CSC 4151 Coram

RunNo.: LB137315

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: COD	ICV	mg/L	50.173	50	100	95-105	09/08/2025
Sample ID: COD	CCV1	mg/L	48.150	50	96	95-105	09/25/2025
Sample ID: COD	CCV2	mg/L	51.184	50	102	95-105	09/25/2025

Initial and Continuing Calibration Blank Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3164

Project: AEC-2025-0013 CSC 4151 Coram

RunNo.: LB137315

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	09/08/2025
Sample ID:	CCB1							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	09/25/2025
Sample ID:	CCB2							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	09/25/2025

Preparation Blank Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3164

Project: AEC-2025-0013 CSC 4151 Coram

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137315BL							
COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	09/25/2025
Sample ID: LB137326BL							
Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	09/26/2025

Matrix Spike Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3164
Project:	AEC-2025-0013 CSC 4151 Coram	Sample ID:	Q3164-01
Client ID:	DA-1MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/L	75-125	236		190	D	50.0	5	92		09/25/2025

Matrix Spike Summary

Client: ATG-GREENVILLE AEC **SDG No.:** Q3164
Project: AEC-2025-0013 CSC 4151 Coram **Sample ID:** Q3164-01
Client ID: DA-1MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
COD	mg/L	75-125	231		190	D	50.0	5	82		09/25/2025

Matrix Spike Summary

Client: ATG-GREENVILLE AEC **SDG No.:** Q3164
Project: AEC-2025-0013 CSC 4151 Coram **Sample ID:** Q3184-01
Client ID: Q3184-1MS **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	45.7		25.6		20.0	1	101		09/26/2025

Matrix Spike Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3164
Project:	AEC-2025-0013 CSC 4151 Coram	Sample ID:	Q3184-01
Client ID:	Q3184-1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	45.7		25.6		20.0	1	101		09/26/2025

Duplicate Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3164
Project:	AEC-2025-0013 CSC 4151 Coram	Sample ID:	Q3164-01
Client ID:	DA-1DUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
COD	mg/L	+/-20	190	D	190		5	0		09/25/2025

Duplicate Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3164
Project:	AEC-2025-0013 CSC 4151 Coram	Sample ID:	Q3164-01
Client ID:	DA-1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
COD	mg/L	+/-20	236		231		5	2.14		09/25/2025

Duplicate Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3164
Project:	AEC-2025-0013 CSC 4151 Coram	Sample ID:	Q3184-01
Client ID:	Q3184-1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/L	+/-18	45.7		45.7		1	0		09/26/2025

Laboratory Control Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3164
Project:	AEC-2025-0013 CSC 4151 Coram	Run No.:	LB137315

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137315BS							
COD	mg/L	50	51.2		102	1	90-110	09/25/2025

Laboratory Control Sample Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3164

Project: AEC-2025-0013 CSC 4151 Coram

Run No.: LB137326

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137326BS							
Oil and Grease	mg/L	20.0	17.1		86	1	78-114	09/26/2025