

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

LAB CHRONICLE

OrderID:	Q3351	OrderDate:	10/15/2025 10:16:35 AM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013 - CSC 6113 Taylorville
Contact:	Staci Bruce	Location:	J33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3351-01	SW-1	Water			10/13/25 11:04			10/15/25
			COD	SM5220 D			10/15/25 14:35	
			TSS	SM2540 D			10/16/25 09:35	
Q3351-02	SW-2	Water			10/13/25 11:07			10/15/25
			COD	SM5220 D			10/15/25 14:36	
			TSS	SM2540 D			10/16/25 09:35	



SAMPLE DATA

Report of Analysis

Client: ATG-GREENVILLE AEC
Project: AEC-2025-0013 - CSC 6113 Taylorville
Client Sample ID: SW-1
Lab Sample ID: Q3351-01

Date Collected: 10/13/25 11:04
Date Received: 10/15/25
SDG No.: Q3351
Matrix: Water
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
COD	78.5		1	1.50	10.0	mg/L		10/15/25 14:35	SM 5220 D-11
TSS	62.9		1	1.00	4.00	mg/L		10/16/25 09:35	SM 2540 D-20

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
Project: AEC-2025-0013 - CSC 6113 Taylorville
Client Sample ID: SW-2
Lab Sample ID: Q3351-02

Date Collected: 10/13/25 11:07
Date Received: 10/15/25
SDG No.: Q3351
Matrix: Water
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
COD	102		1	1.50	10.0	mg/L		10/15/25 14:36	SM 5220 D-11
TSS	298		1	1.00	4.00	mg/L		10/16/25 09:35	SM 2540 D-20

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



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: ATG-GREENVILLE AEC

SDG No.: Q3351

Project: AEC-2025-0013 - CSC 6113 Taylorville

RunNo.: LB137541

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	10/15/2025
Sample ID: COD	CCV2	mg/L	51.184	50	102	95-105	10/15/2025

Initial and Continuing Calibration Blank Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3351

Project: AEC-2025-0013 - CSC 6113 Taylorville

RunNo.: LB137541

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	10/15/2025
Sample ID:	CCB2							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	10/15/2025

Preparation Blank Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3351

Project: AEC-2025-0013 - CSC 6113 Taylorville

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137541BL COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	10/15/2025
Sample ID: LB137553BL TSS	mg/L	< 2.0000	2.0000	U	1	4	10/16/2025

Matrix Spike Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3351
Project:	AEC-2025-0013 - CSC 6113 Taylorville	Sample ID:	Q3345-07
Client ID:	TANK-FARM-WATERMS	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	52.2		5.67	J	50.0	1	93		10/15/2025

Matrix Spike Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3351
Project:	AEC-2025-0013 - CSC 6113 Taylorville	Sample ID:	Q3345-07
Client ID:	TANK-FARM-WATERMSD	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	53.2		5.67	J	50.0	1	95		10/15/2025

Duplicate Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3351
Project:	AEC-2025-0013 - CSC 6113 Taylorville	Sample ID:	Q3344-01
Client ID:	1 EFFLUENT-COMPOSITEDUP	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
TSS	mg/L	+/-5	56.9		56.0		1	1.59		10/16/2025

Duplicate Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3351
Project:	AEC-2025-0013 - CSC 6113 Taylorville	Sample ID:	Q3345-07
Client ID:	TANK-FARM-WATERDUP	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	5.67	J	5.67	J	1	0		10/15/2025

Duplicate Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3351
Project:	AEC-2025-0013 - CSC 6113 Taylorville	Sample ID:	Q3345-07
Client ID:	TANK-FARM-WATERMSD	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	52.2		53.2		1	1.9		10/15/2025

Laboratory Control Sample Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3351

Project: AEC-2025-0013 - CSC 6113 Taylorville

Run No.: LB137541

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137541BS							
COD	mg/L	50	51.2		102	1	90-110	10/15/2025

Laboratory Control Sample Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3351

Project: AEC-2025-0013 - CSC 6113 Taylorville

Run No.: LB137553

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137553BS							
TSS	mg/L	550	561		102	1	90-110	10/16/2025



RAW DATA

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: jignesh

Run Number: LB137541

Reagent/Standard	Lot/Log #
COD calibration std. 150 ppm	WP114659
COD calibration std. 100 ppm	WP114658
COD calibration std. 50 ppm	WP114656
COD calibration std. 10 ppm	WP114655
COD calibration std. 0 ppm	WP114654
COD ICV-LCS std, 50ppm	WP114661
COD calibration std. 75 ppm	WP114657
COD Digestion Vials Low Level 0-150Mg/L	W3230
COD CCV std, 50ppm	WP115210
COD ICV-LCS std, 50ppm	WP115211
RL CHECK	WP115212

Temp In (C): 148	Date In: 10/15/2025	Time In: 11:55
Temp Out (C): 151	Date Out: 10/15/2025	Time Out: 13:55

Intercept: 0.3943

Slope: 0.9887

Regression: 0.9996

Seq	Lab ID	TrueValue (mg/l)	DF	MATRIX	Reading	Result (mg/l)	%D	Anal Date	Anal Time
1	CAL1	0	1	Water	0.000	-0.399		09/08/2025	13:30
2	CAL2	10	1	Water	9.000	8.704	-13	09/08/2025	13:30
3	CAL3	50	1	Water	51.000	51.184	2.4	09/08/2025	13:31
4	CAL4	75	1	Water	77.000	77.481	3.3	09/08/2025	13:31
5	CAL5	100	1	Water	98.000	98.721	-1.3	09/08/2025	13:32
6	CAL6	150	1	Water	148.000	149.293	-0.5	09/08/2025	13:32

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: jignesh

Run Number: LB137541

Seq	Lab ID	True Value (mg/l)	Initial Weight (g)	Final Vol (ml)	DF	MATRIX	Reading	Result	AnalDate	AnalTime
1	ICV	50	NA	NA	1	Water	50.000	50.173	09/08/2025	13:33
2	ICB		NA	NA	1	Water	1.000	0.613	09/08/2025	13:33
3	CCV1	50	NA	NA	1	Water	48.000	48.150	10/15/2025	14:30
4	CCB1		NA	NA	1	Water	1.000	0.613	10/15/2025	14:30
5	RL Check	10	NA	NA	1	Water	7.000	6.681	10/15/2025	14:31
6	LB137541BL		NA	NA	1	Water	0.000	-0.399	10/15/2025	14:31
7	LB137541BS	50	NA	NA	1	Water	51.000	51.184	10/15/2025	14:32
8	Q3328-01		NA	NA	20	Water	133.000	134.121	10/15/2025	14:32
9	Q3344-01		NA	NA	1	Water	132.000	133.110	10/15/2025	14:33
10	Q3345-07		NA	NA	1	Water	6.000	5.670	10/15/2025	14:33
11	Q3345-07DUP		NA	NA	1	Water	6.000	5.670	10/15/2025	14:34
12	Q3345-07MS	50	NA	NA	1	Water	52.000	52.196	10/15/2025	14:34
13	Q3345-07MSD	50	NA	NA	1	Water	53.000	53.207	10/15/2025	14:35
14	Q3351-01		NA	NA	1	Water	78.000	78.493	10/15/2025	14:35
15	Q3351-02		NA	NA	1	Water	101.000	101.756	10/15/2025	14:36
16	CCV2	50	NA	NA	1	Water	51.000	51.184	10/15/2025	14:36
17	CCB2		NA	NA	1	Water	1.000	0.613	10/15/2025	14:37

TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: jignesh

Date: 10/15/2025

Run Number: LB137553

BalanceID: WC SC-5

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 104 °C 10/15/2025 14:00 TEMP1 OUT: 103 °C 10/15/2025 15:00
 TEMP2 IN: 104 °C 10/15/2025 15:30 TEMP2 OUT: 104 °C 10/15/2025 16:30
 TEMP3 IN: 104 °C 10/16/2025 09:35 TEMP3 OUT: 103 °C 10/16/2025 11:11
 TEMP4 IN: 104 °C 10/16/2025 12:00 TEMP4 OUT: 103 °C 10/16/2025 13:35

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Volume (ml)	1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Final Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Weight (g)	Result mg/L
1	LB137553BL	LB137553BL	1.3562	1.3563	100	1.3563	1.3563	1.3563	0.0000	0
2	LB137553BS	LB137553BS	1.5896	1.5897	100	1.6458	1.6458	1.6458	0.0561	561
3	Q3019-10	WP0925-PT-SOL-WP	1.4823	1.4823	100	1.4847	1.4847	1.4847	0.0024	24
4	Q3344-01	1 EFFLUENT-COMPOSITE	1.4828	1.4828	1000	1.5397	1.5397	1.5397	0.0569	56.9
5	Q3344-01DUP	1 EFFLUENT-COMPOSITEDUP	1.4827	1.4827	1000	1.5387	1.5387	1.5387	0.0560	56
6	Q3345-07	TANK-FARM-WATER	1.4827	1.4828	1800	2.7993	2.7993	2.7993	1.3165	731.4
7	Q3351-01	SW-1	1.4858	1.4859	450	1.5142	1.5142	1.5142	0.0283	62.9
8	Q3351-02	SW-2	1.4922	1.4922	450	1.6264	1.6264	1.6264	0.1342	298.2
9	Q3359-02	Comp	1.4956	1.4956	50	1.5454	1.5454	1.5454	0.0498	996

A = Sample Volume (ml)
 B = Final Empty Dish Weight (g)
 C = Final Empty Dish + Sample weight after 1.5 hr drying @105°C(g)
 D = Weight (g)

Weight (g) = C - B

Result mg/L = $\frac{D}{A} \times 1000 \times 1000$

WORKLIST(Hardcopy Internal Chain)

UB 131553

WorkList Name : tss q3357

WorkList ID : 192489

Department : Wet-Chemistry

Date : 10-16-2025 07:33:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-10	WP0925-PT-SOL-WP	Water	TSS	Cool 4 deg C	ALLI03	QA 01	09/02/2025	SM2540 D
Q3344-01	B ₃ C 1 EFFLUENT-COMPOSITE	Water	TSS	Cool 4 deg C	M&MM01	J22	10/14/2025	SM2540 D
Q3345-07	I ₅ TANK-FARM-WATER	Water	TSS	Cool 4 deg C	PSEG03	D31	10/14/2025	SM2540 D
Q3351-01	SW-1	Water	TSS	Cool 4 deg C	ATGG01	J33	10/13/2025	SM2540 D
Q3351-02	SW-2	Water	TSS	Cool 4 deg C	ATGG01	J33	10/13/2025	SM2540 D
Q3359-02	B Comp	Water	TSS	Cool 4 deg C	ARAM01	J41	10/15/2025	SM2540 D

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

10/16/25 07:45

10/16/25 14:00

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

10/16/25

14:00

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137541

Review By	Iwona	Review On	10/15/2025 2:45:04 PM
Supervise By	jignesh	Supervise On	10/15/2025 2:47:16 PM
SubDirectory	LB137541	Test	COD
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3230,WP115210,WP115211,WP1		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/08/25 13:30		Iwona	OK
2	CAL2	CAL2	CAL	09/08/25 13:30		Iwona	OK
3	CAL3	CAL3	CAL	09/08/25 13:31		Iwona	OK
4	CAL4	CAL4	CAL	09/08/25 13:31		Iwona	OK
5	CAL5	CAL5	CAL	09/08/25 13:32		Iwona	OK
6	CAL6	CAL6	CAL	09/08/25 13:32		Iwona	OK
7	ICV	ICV	ICV	09/08/25 13:33		Iwona	OK
8	ICB	ICB	ICB	09/08/25 13:33		Iwona	OK
9	CCV1	CCV1	CCV	10/15/25 14:30		Iwona	OK
10	CCB1	CCB1	CCB	10/15/25 14:30		Iwona	OK
11	RL Check	RL Check	RL	10/15/25 14:31		Iwona	OK
12	LB137541BL	LB137541BL	MB	10/15/25 14:31		Iwona	OK
13	LB137541BS	LB137541BS	LCS	10/15/25 14:32		Iwona	OK
14	Q3328-01	MH-10-10-25	SAM	10/15/25 14:32		Iwona	OK
15	Q3344-01	1 EFFLUENT-COMPO	SAM	10/15/25 14:33		Iwona	OK
16	Q3345-07	TANK-FARM-WATER	SAM	10/15/25 14:33		Iwona	OK
17	Q3345-07DUP	TANK-FARM-WATER	DUP	10/15/25 14:34		Iwona	OK
18	Q3345-07MS	TANK-FARM-WATER	MS	10/15/25 14:34		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB137541

Review By	Iwona	Review On	10/15/2025 2:45:04 PM
Supervise By	jignesh	Supervise On	10/15/2025 2:47:16 PM
SubDirectory	LB137541	Test	COD
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3230,WP115210,WP115211,WP1		

19	Q3345-07MSD	TANK-FARM-WATER	MSD	10/15/25 14:35		Iwona	OK
20	Q3351-01	SW-1	SAM	10/15/25 14:35		Iwona	OK
21	Q3351-02	SW-2	SAM	10/15/25 14:36		Iwona	OK
22	CCV2	CCV2	CCV	10/15/25 14:36		Iwona	OK
23	CCB2	CCB2	CCB	10/15/25 14:37		Iwona	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137553

Review By	jignesh	Review On	10/16/2025 1:57:29 PM
Supervise By	Iwona	Supervise On	10/16/2025 2:57:43 PM
SubDirectory	LB137553	Test	TSS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137553BL	LB137553BL	MB	10/16/25 09:35		jignesh	OK
2	LB137553BS	LB137553BS	LCS	10/16/25 09:35	55 mg W3186 + 100ML FOR W3112	jignesh	OK
3	Q3019-10	WP0925-PT-SOL-WP	SAM	10/16/25 09:35		jignesh	OK
4	Q3344-01	1 EFFLUENT-COMPO	SAM	10/16/25 09:35		jignesh	OK
5	Q3344-01DUP	1 EFFLUENT-COMPO	DUP	10/16/25 09:35		jignesh	OK
6	Q3345-07	TANK-FARM-WATER	SAM	10/16/25 09:35		jignesh	OK
7	Q3351-01	SW-1	SAM	10/16/25 09:35		jignesh	OK
8	Q3351-02	SW-2	SAM	10/16/25 09:35		jignesh	OK
9	Q3359-02	Comp	SAM	10/16/25 09:35		jignesh	OK



SHIPPING DOCUMENTS

2335



3310 Win Street Cuyahoga
Falls, Ohio 44223
(330) 253-8211

Analysis Request / Chain of Custody

LAB	For Alliance Technical Group, LLC-Akron use only
WO	
NO.:	

[illegible]

2.1-C

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312