

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:	Q2294	OrderDate:	6/11/2025 12:40:43 PM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013- 91 Fulton, White Plains Bus Co
Contact:	Daniel Maalouf	Location:	A12

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2294-01	Outfall 1	Water			06/10/25 14:30			06/11/25
			COD	SM5220 D			06/12/25 14:24	



SAMPLE DATA

Report of Analysis

Client:	ATG-GREENVILLE AEC	Date Collected:	06/10/25 14:30
Project:	AEC-2025-0013- 91 Fulton, White Plains Bus Co	Date Received:	06/11/25
Client Sample ID:	Outfall 1	SDG No.:	Q2294
Lab Sample ID:	Q2294-01	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
COD	18.5		1	1.50	10.0	mg/L		06/12/25 14:24	SM 5220 D-11

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.: Q2294

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co

RunNo.: LB136134

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV COD	mg/L	50.962	50	102	95-105	05/28/2025
Sample ID: CCV1 COD	mg/L	49.946	50	100	95-105	06/12/2025
Sample ID: CCV2 COD	mg/L	48.931	50	98	95-105	06/12/2025
Sample ID: CCV3 COD	mg/L	50.962	50	102	95-105	06/12/2025

Initial and Continuing Calibration Blank Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q2294

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co

RunNo.: LB136134

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	05/28/2025
Sample ID:	CCB1							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	06/12/2025
Sample ID:	CCB2							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	06/12/2025
Sample ID:	CCB3							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	06/12/2025

Preparation Blank Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q2294

Project: AEC-2025-0013- 91 Fulton, White Plains Bus Co

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	LB136134BL						
COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	06/12/2025

Matrix Spike Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q2294
Project:	AEC-2025-0013- 91 Fulton, White Plains Bus Co	Sample ID:	Q2294-01
Client ID:	Outfall 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	64.2		18.5		50.0	1	91		06/12/2025

Matrix Spike Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q2294
Project:	AEC-2025-0013- 91 Fulton, White Plains Bus Co	Sample ID:	Q2294-01
Client ID:	Outfall 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	64.2		18.5		50.0	1	91		06/12/2025

Duplicate Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q2294
Project:	AEC-2025-0013- 91 Fulton, White Plains Bus Co	Sample ID:	Q2294-01
Client ID:	Outfall 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	18.5		19.5		1	5.26		06/12/2025

Duplicate Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q2294
Project:	AEC-2025-0013- 91 Fulton, White Plains Bus Co	Sample ID:	Q2294-01
Client ID:	Outfall 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	64.2		64.2		1	0		06/12/2025

Laboratory Control Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q2294
Project:	AEC-2025-0013- 91 Fulton, White Plains Bus Co	Run No.:	LB136134

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136134BS							
COD	mg/L	50	47.9		96	1	90-110	06/12/2025



RAW DATA

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: jignesh

Run Number: LB136134

Reagent/Standard	Lot/Log #
COD calibration std. 150 ppm	WP113238
COD calibration std. 100 ppm	WP113237
COD calibration std. 50 ppm	WP113235
COD calibration std. 10 ppm	WP113234
COD calibration std. 0 ppm	WP113233
COD ICV-LCS std, 50ppm	WP113240
COD calibration std. 75 ppm	WP113236
COD Digestion Vials Low Level 0-150Mg/L	W3128
COD CCV std, 50ppm	WP113445
COD ICV-LCS std, 50ppm	WP113446
RL CHECK	WP113448

Temp In (C): 148	Date In: 06/12/2025	Time In: 10:30
Temp Out (C): 151	Date Out: 06/12/2025	Time Out: 12:30

Intercept: 0.8179

Slope: 0.9847

Regression: 0.9995

Seq	Lab ID	TrueValue (mg/l)	DF	MATRIX	Reading	Result (mg/l)	%D	Anal Date	Anal Time
1	CAL1	0	1	Water	0.000	-0.831		05/28/2025	13:10
2	CAL2	10	1	Water	9.000	8.309	-16.9	05/28/2025	13:10
3	CAL3	50	1	Water	52.000	51.977	4	05/28/2025	13:11
4	CAL4	75	1	Water	77.000	77.366	3.2	05/28/2025	13:11
5	CAL5	100	1	Water	99.000	99.708	-0.3	05/28/2025	13:12
6	CAL6	150	1	Water	147.000	148.453	-1	05/28/2025	13:12

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: jignesh

Run Number: LB136134

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	51.000	50.962	05/28/2025	13:13
2	ICB		NA	NA	1	Water	0.000	-0.831	05/28/2025	13:13
3	CCV1	50	NA	NA	1	Water	50.000	49.946	06/12/2025	14:15
4	CCB1		NA	NA	1	Water	1.000	0.185	06/12/2025	14:15
5	RL Check	10	NA	NA	1	Water	9.000	8.309	06/12/2025	14:16
6	LB136134BL		NA	NA	1	Water	0.000	-0.831	06/12/2025	14:16
7	LB136134BS	50	NA	NA	1	Water	48.000	47.915	06/12/2025	14:17
8	Q2276-01		NA	NA	100	Water	96.000	96.661	06/12/2025	14:17
9	Q2286-03		NA	NA	100	Water	37.000	36.744	06/12/2025	14:18
10	Q2289-01		NA	NA	5	Water	46.000	45.884	06/12/2025	14:18
11	Q2289-02		NA	NA	1	Water	130.000	131.189	06/12/2025	14:19
12	Q2289-03		NA	NA	10	Water	77.000	77.366	06/12/2025	14:19
13	Q2290-01		NA	NA	1	Water	78.000	78.381	06/12/2025	14:20
14	Q2290-02		NA	NA	1	Water	70.000	70.257	06/12/2025	14:20
15	Q2291-01		NA	NA	1	Water	123.000	124.081	06/12/2025	14:21
16	CCV2	50	NA	NA	1	Water	49.000	48.931	06/12/2025	14:21
17	CCB2		NA	NA	1	Water	1.000	0.185	06/12/2025	14:22
18	Q2292-01		NA	NA	1	Water	22.000	21.511	06/12/2025	14:22
19	Q2292-02		NA	NA	1	Water	39.000	38.775	06/12/2025	14:23
20	Q2293-01		NA	NA	1	Water	41.000	40.806	06/12/2025	14:23
21	Q2294-01		NA	NA	1	Water	19.000	18.465	06/12/2025	14:24
22	Q2294-01DUP		NA	NA	1	Water	20.000	19.480	06/12/2025	14:24
23	Q2294-01MS	50	NA	NA	1	Water	64.000	64.164	06/12/2025	14:25
24	Q2294-01MSD	50	NA	NA	1	Water	64.000	64.164	06/12/2025	14:25
25	CCV3	50	NA	NA	1	Water	51.000	50.962	06/12/2025	14:26
26	CCB3		NA	NA	1	Water	1.000	0.185	06/12/2025	14:26

WORKLIST(Hardcopy Internal Chain)

LB13 6134

WorkList Name : COD-061225

WorkList ID : 190138

Department : Wet-Chemistry

Date : 06-12-2025 09:56:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2276-01	MIH-6-10-2025	Water	COD	Conc H2SO4 to pH < 2	EURO03	D31	06/10/2025	SM5220 D
Q2286-03	LAW-25-0084	Water	COD	Conc H2SO4 to pH < 2	PSEG03	D41	06/10/2025	SM5220 D
Q2289-01	SP-1	Water	COD	Conc H2SO4 to pH < 2	ATGG01	A11	06/10/2025	SM5220 D
Q2289-02	SP-2	Water	COD	Conc H2SO4 to pH < 2	ATGG01	A11	06/10/2025	SM5220 D
Q2289-03	SP-3	Water	COD	Conc H2SO4 to pH < 2	ATGG01	A11	06/10/2025	SM5220 D
Q2290-01	Outfall 1	Water	COD	Conc H2SO4 to pH < 2	ATGG01	A11	06/10/2025	SM5220 D
Q2290-02	Outfall 2	Water	COD	Conc H2SO4 to pH < 2	ATGG01	A11	06/10/2025	SM5220 D
Q2291-01	Outfall 001	Water	COD	Conc H2SO4 to pH < 2	ATGG01	A11	06/10/2025	SM5220 D
Q2292-01	SW-1	Water	COD	Conc H2SO4 to pH < 2	ATGG01	A11	06/10/2025	SM5220 D
Q2292-02	SW-2	Water	COD	Conc H2SO4 to pH < 2	ATGG01	A12	06/10/2025	SM5220 D
Q2293-01	SW-3	Water	COD	Conc H2SO4 to pH < 2	ATGG01	A12	06/10/2025	SM5220 D
Q2294-01	Outfall 1	Water	COD	Conc H2SO4 to pH < 2	ATGG01	A12	06/10/2025	SM5220 D

Date/Time 06/12/25 10:00
 Raw Sample Received by: 12(50)
 Raw Sample Relinquished by: 28(00)

Date/Time 06/12/25 10:45
 Raw Sample Received by: 28(00)
 Raw Sample Relinquished by: 12(50)

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB136134

Review By	Iwona	Review On	6/12/2025 4:52:37 PM
Supervise By	jignesh	Supervise On	6/12/2025 4:54:41 PM
SubDirectory	LB136134	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	WP113238,WP113237,WP113235,WP113234,WP113233,WP113240,WP113236,W3128,WP113445,WP113446,WP1		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	05/28/25 13:10		Iwona	OK
2	CAL2	CAL2	CAL	05/28/25 13:10		Iwona	OK
3	CAL3	CAL3	CAL	05/28/25 13:11		Iwona	OK
4	CAL4	CAL4	CAL	05/28/25 13:11		Iwona	OK
5	CAL5	CAL5	CAL	05/28/25 13:12		Iwona	OK
6	CAL6	CAL6	CAL	05/28/25 13:12		Iwona	OK
7	ICV	ICV	ICV	05/28/25 13:13		Iwona	OK
8	ICB	ICB	ICB	05/28/25 13:13		Iwona	OK
9	CCV1	CCV1	CCV	06/12/25 14:15		Iwona	OK
10	CCB1	CCB1	CCB	06/12/25 14:15		Iwona	OK
11	RL Check	RL Check	SAM	06/12/25 14:16		Iwona	OK
12	LB136134BL	LB136134BL	MB	06/12/25 14:16		Iwona	OK
13	LB136134BS	LB136134BS	LCS	06/12/25 14:17		Iwona	OK
14	Q2276-01	MH-6-10-2025	SAM	06/12/25 14:17		Iwona	OK
15	Q2286-03	LAW-25-0084	SAM	06/12/25 14:18		Iwona	OK
16	Q2289-01	SP-1	SAM	06/12/25 14:18		Iwona	OK
17	Q2289-02	SP-2	SAM	06/12/25 14:19		Iwona	OK
18	Q2289-03	SP-3	SAM	06/12/25 14:19		Iwona	OK

Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB136134

Review By	Iwona	Review On	6/12/2025 4:52:37 PM
Supervise By	jignesh	Supervise On	6/12/2025 4:54:41 PM
SubDirectory	LB136134	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	WP113238,WP113237,WP113235,WP113234,WP113233,WP113240,WP113236,W3128,WP113445,WP113446,WP1		

19	Q2290-01	Outfall 1	SAM	06/12/25 14:20		Iwona	OK
20	Q2290-02	Outfall 2	SAM	06/12/25 14:20		Iwona	OK
21	Q2291-01	Outfall 001	SAM	06/12/25 14:21		Iwona	OK
22	CCV2	CCV2	CCV	06/12/25 14:21		Iwona	OK
23	CCB2	CCB2	CCB	06/12/25 14:22		Iwona	OK
24	Q2292-01	SW-1	SAM	06/12/25 14:22		Iwona	OK
25	Q2292-02	SW-2	SAM	06/12/25 14:23		Iwona	OK
26	Q2293-01	SW-3	SAM	06/12/25 14:23		Iwona	OK
27	Q2294-01	Outfall 1	SAM	06/12/25 14:24		Iwona	OK
28	Q2294-01DUP	Outfall 1DUP	DUP	06/12/25 14:24		Iwona	OK
29	Q2294-01MS	Outfall 1MS	MS	06/12/25 14:25		Iwona	OK
30	Q2294-01MSD	Outfall 1MSD	MSD	06/12/25 14:25		Iwona	OK
31	CCV3	CCV3	CCV	06/12/25 14:26		Iwona	OK
32	CCB3	CCB3	CCB	06/12/25 14:26		Iwona	OK

Prep Standard - Chemical Standard Summary

Order ID : Q2294

Test : COD

Prepbatch ID :

Sequence ID/Qc Batch ID: LB136134,

Standard ID :

WP113231,WP113232,WP113233,WP113234,WP113235,WP113236,WP113237,WP113238,WP113240,WP113443,WP113444,WP113445,WP113446,WP113448,

Chemical ID :

W2784,W3112,W3128,W3169,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2456	COD Stock std, 1000ppm	WP113231	05/28/2025	06/04/2025	Iwona Zarych	WETCHEM_S CALE_5 (WC SC-5)	None	Jignesh Parikh 05/28/2025
<u>FROM</u>	0.08500gram of W2784 + 100.00000ml of W3112 = Final Quantity: 100.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2457	COD Stock std-SS, 1000ppm	WP113232	05/28/2025	06/04/2025	Iwona Zarych	WETCHEM_SCALE_5 (WC SC-5)	None	Jignesh Parikh 05/28/2025
<u>FROM</u>	0.08500gram of W3169 + 100.00000ml of W3112 = Final Quantity: 100.000 ml							

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
139	COD calibration std. 0 ppm	WP113233	05/28/2025	06/04/2025	Iwona Zarych	None	None	Jignesh Parikh
								05/28/2025

FROM 10.00000ml of W3112 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
138	COD calibration std. 10 ppm	WP113234	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_FIPETTE_3	Jignesh Parikh
							(WC)	05/28/2025

FROM 9.90000ml of W3112 + 0.10000ml of WP113231 = Final Quantity: 10.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
137	COD calibration std. 50 ppm	WP113235	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/28/2025
<u>FROM</u>	9.50000ml of W3112 + 0.50000ml of WP113231 = Final Quantity: 10.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4161	COD calibration std. 75 ppm	WP113236	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 05/28/2025
<u>FROM</u>	9.25000ml of W3112 + 0.75000ml of WP113231 = Final Quantity: 10.000 ml							

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
136	COD calibration std. 100 ppm	WP113237	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_FIPETTE_3 (WC)	Jignesh Parikh 05/28/2025

FROM 9.00000ml of W3112 + 1.00000ml of WP113231 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
135	COD calibration std. 150 ppm	WP113238	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_FIPETTE_3 (WC)	Jignesh Parikh 05/28/2025

FROM 8.50000ml of W3112 + 1.50000ml of WP113231 = Final Quantity: 10.000 ml

Wet Chemistry STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2459	COD ICV-LCS std, 50ppm	WP113240	05/28/2025	06/04/2025	Iwona Zarych	None	WETCHEM_F IPETTE_3 (WC)	Jignesh Parikh 05/28/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP113232 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2456	COD Stock std, 1000ppm	WP113443	06/09/2025	06/16/2025	Iwona Zarych	WETCHEM_S CALE_5 (WC SC-5)	None	Jignesh Parikh 06/11/2025

FROM 0.08500gram of W2784 + 100.00000ml of W3112 = Final Quantity: 100.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2457	COD Stock std-SS, 1000ppm	WP113444	06/09/2025	06/16/2025	Iwona Zarych	WETCHEM_S CALE_5 (WC SC-5)	None	Jignesh Parikh 06/11/2025
<u>FROM</u> 0.08500gram of W3169 + 100.00000ml of W3112 = Final Quantity: 100.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2458	COD CCV std, 50ppm	WP113445	06/09/2025	06/16/2025	Iwona Zarych	None	WETCHEM_FIPETTE_3 (WC)	Jignesh Parikh 06/11/2025
<u>FROM</u> 9.50000ml of W3112 + 0.50000ml of WP113443 = Final Quantity: 10.000 ml								



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2459	COD ICV-LCS std, 50ppm	WP113446	06/09/2025	06/16/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3	Jignesh Parikh
<u>FROM</u>		(WC)						
9.50000ml of W3112 + 0.50000ml of WP113444 = Final Quantity: 10.000 ml								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
4162	RL CHECK	WP113448	06/09/2025	06/16/2025	Iwona Zarych	None	WETCHEM_FIPETTE_3	Jignesh Parikh
							(WC)	06/11/2025
<u>FROM</u>	9.90000ml of W3112 + 0.10000ml of WP113443 = Final Quantity: 10.000 ml							

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	201089	06/30/2025	12/23/2020 / apatel	12/16/2020 / apatel	W2784

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Environmental Express LTD	B1010 / COD Digestion Vials Low Level 0-150Mg/L	13821	10/31/2027	05/20/2025 / lwona	07/25/2024 / lwona	W3128

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	24H0956262	04/28/2026	01/03/2025 / lwona	01/03/2025 / lwona	W3169

Certificate of Analysis

ThermoFisher
SCIENTIFIC

Certificate of Analysis

1 Reagent Lane

Fair Lawn, NJ 07410

201.796.7100 tel

201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System
Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	P243	Quality Test / Release Date	06/19/2020
Lot Number	201089		
Description	POTASSIUM HYDROGEN PHTHALATE, ACIDIMETRIC STANDARD, A.C.S.		
Country of Origin	Spain	Suggested Retest Date	Jun/2025
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	WHITE CRYSTALS
ASSAY POTASSIUM HYDROGEN PHTHALATE	%	Inclusive Between 99.95 - 100.05	100.03
CHLORINE COMPOUNDS	%	<= 0.003	<0.003
HEAVY METALS (as Pb)	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.005	<0.005
IRON (Fe)	ppm	<= 5	<5
PH OF 0.05M SOLUTION		Inclusive Between 4.00 - 4.02	4.00
SODIUM (Na)	%	<= 0.005	<0.005
SULFUR COMPOUNDS	%	<= 0.002	<0.002%
TRACEABLE TO NIST	SOD CARBONATE	= LOT 351a	351a
TRACEABLE TO NIST KHP STD	POT. ACID PHTHALATE	= LOT 84L	84L



Julian Burton - Quality Control Manager – Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.

*Based on suggested storage condition.

W3127 rec. 7/25/24 12
W3128 exp. 10/31/27
W3129

ENVIRONMENTAL EXPRESS
Charleston, SC USA
www.envexp.com
(800) 343-5319

October 27, 2022

CERTIFICATE OF ANALYSIS

Environmental Express certifies that the following COD Reagent Vials have been rigorously checked against NIST Traceable standards and also compared for conformance to another major brand name product. Environmental Express COD Vial performance is evaluated using bench top spectrophotometers. Acceptance guidelines are strict and ensure dependable, quality results.

Environmental Express further certifies that the COD products listed below are recognized by the United States Environmental Protection Agency (USEPA) as equivalent to an approved Water Pollutant Testing Procedure for COD (Federal Register, Vol. 45, No. 78, Monday, April 20th, 1980, page 26811) and as such can be used for National Pollution Discharge Elimination System (NPDES) reporting.

<u>Cat. No.</u>	<u>Lot No.</u>	<u>Product Description</u>
B1010	13821	COD Reagent Vials, 0 - 150 ppm



Material	BDH9260-500G
Material Description	BDH POTASS HYDRGN PHTHLTE 500G
Grade	ACS GRADE
Batch	24H0956262
Reassay Date	04/28/2026
CAS Number	877-24-7
Molecular Formula	HOCC6H4COOK
Molecular Mass	204.22
Date of Manufacture	04/29/2023
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	White crystals.	White crystals.
Assay (dried basis)	99.95 - 100.05 %	99.98 %
Chlorine Compounds	<= 0.003 %	<0.003 %
Heavy Metals (as Pb)	<= 5 ppm	<5 ppm
Insoluble Matter	<= 0.005 %	0.003 %
Iron	<= 5 ppm	<5 ppm
pH (0.05M, Water) @25C	4.00 - 4.02	4.00
Sodium	<= 0.005 %	<0.005 %
Sulfur Compounds	<= 0.002 %	<0.002 %

Internal ID #: 322

Signature	Additional Information
We certify that this batch conforms to the specifications listed above. This document has been electronically produced and is valid without a signature. Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	Analysis may have been rounded to significant digits in specification limits Product meets analytical specifications of the grades listed.



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: AEC-2025-0013

COC Number:

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

COMPANY: Durham School Services

PROJECT NAME: CSC 7037 White Plains Fulton

BILL TO: candice.caviness@alliancetg.com

PO#

ADDRESS: 91 Fulton Lane

PROJECT #: AEC-2025-0013

LOCATION: White Plains Ful

ADDRESS:

CITY: White Plains

STATE: NY

ZIP:

PROJECT MANAGER:

CITY:

STATE:

ZIP:

ATTENTION: daniel.maalouf@alliancetg.com

E-MAIL:

ATTENTION:

PHONE:

PHONE:

FAX:

PHONE: 864-704-7984

FAX:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

ANALYSIS

COD

1

2

3

4

5

6

7

8

9

PRESERVATIVES

COMMENTS

FAX: _____ DAYS*
HARD COPY: _____ DAYS*
EDD _____ DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										
			COMP	GRAS	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Outfall 1	SW		X	6/10/25	2:30	1	1									
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME 6/10/25 3:00	RECEIVED BY	1.	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>3.0</u> MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: _____
RELINQUISHED BY	DATE/TIME 6/11/25 7:35	RECEIVED BY	2.	Comments:
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	3.	SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight
			Page _____ of _____	Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488