

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME : KINGSBORO B28 WATER SAMPLING

CHA COMPANIES, INC.

III Winners Circle

P.O. Box 5269

Albany, NY - 12205-0269

Phone No: 518-453-4500

ORDER ID : Q1157

ATTENTION : Carrie Robinson



Laboratory Certification ID # 20012



1) Signature Page	3
2) Case Narrative	4
2.1) Genchem- Case Narrative	4
3) Qualifier Page	5
4) QA Checklist	6
5) Genchem Data	7
6) Shipping Document	17
6.1) CHAIN OF CUSTODY	18
6.2) Lab Certificate	19

1

2

3

4

5

6

Cover Page

Order ID : Q1157

Project ID : Kingsboro B28 Water Sampling

Client : CHA Companies, Inc.

Lab Sample Number

Q1157-01
Q1157-02
Q1157-03
Q1157-04
Q1157-05
Q1157-06
Q1157-07

Client Sample Number

B2-W10-RM2016-SINK
B2-W10-RM2010-SINK
B2-W10-RM2011-RH-SINK
B2-W10-LH-DRINKING FOUNTAIN
B2-W10-RM2019-EYEWASH
B2-W10-RM2040-SINK
B2-W10-RM-2035-SINK

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 1:49 pm, Jan 28, 2025

Date: 1/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

CHA Companies, Inc.

Project Name: Kingsboro B28 Water Sampling

Project # N/A

Chemtech Project # Q1157

Test Name: Turbidity,Residual Chlorine

A. Number of Samples and Date of Receipt:

7 Water samples were received on 01/22/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Residual Chlorine and Turbidity. This data package contains results for Turbidity,Residual Chlorine.

C. Analytical Techniques:

The analysis of Turbidity was based on method SM2130 B and The analysis of Residual Chlorine was based on method SM4500 Cl G.

D. QA/ QC Samples:

The Holding Times were met for all samples except for B2-W10-LH-DRINKING FOUNTAIN of Residual Chlorine, for B2-W10-RM2010-SINK of Residual Chlorine.for B2-W10-RM2011-RH-SINK of Residual Chlorine.for B2-W10-RM2016-SINK of Residual Chlorine.for B2-W10-RM2019-EYEWASH of Residual Chlorine.for B2-W10-RM-2035-SINK of Residual Chlorine.for B2-W10-RM2040-SINK of Residual Chlorine as samples were receive out of holding time.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 1:49 pm, Jan 28, 2025

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1157

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 01/24/2025



SAMPLE DATA

Report of Analysis

Client:	CHA Companies, Inc.	Date Collected:	01/22/25 10:20
Project:	Kingsboro B28 Water Sampling	Date Received:	01/22/25
Client Sample ID:	B2-W10-RM2016-SINK	SDG No.:	Q1157
Lab Sample ID:	Q1157-01	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Residual Chlorine	0.086	HJ	1	0.016	0.10	mg/L		01/23/25 09:36	SM 4500-Cl G-11
Turbidity	0.77	J	1	0.075	1.00	NTU		01/23/25 14:44	SM 2130 B-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

Report of Analysis

Client:	CHA Companies, Inc.	Date Collected:	01/22/25 10:15
Project:	Kingsboro B28 Water Sampling	Date Received:	01/22/25
Client Sample ID:	B2-W10-RM2010-SINK	SDG No.:	Q1157
Lab Sample ID:	Q1157-02	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Residual Chlorine	0.048	HJ	1	0.016	0.10	mg/L		01/23/25 09:48	SM 4500-Cl G-11
Turbidity	0.64	J	1	0.075	1.00	NTU		01/23/25 14:52	SM 2130 B-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

Report of Analysis

Client:	CHA Companies, Inc.	Date Collected:	01/22/25 10:05
Project:	Kingsboro B28 Water Sampling	Date Received:	01/22/25
Client Sample ID:	B2-W10-RM2011-RH-SINK	SDG No.:	Q1157
Lab Sample ID:	Q1157-03	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Residual Chlorine	0.048	HJ	1	0.016	0.10	mg/L		01/23/25 09:51	SM 4500-Cl G-11
Turbidity	0.61	J	1	0.075	1.00	NTU		01/23/25 14:56	SM 2130 B-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

Report of Analysis

Client:	CHA Companies, Inc.	Date Collected:	01/22/25 09:50
Project:	Kingsboro B28 Water Sampling	Date Received:	01/22/25
Client Sample ID:	B2-W10-LH-DRINKING FOUNTAIN	SDG No.:	Q1157
Lab Sample ID:	Q1157-04	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Residual Chlorine	0.030	HJ	1	0.016	0.10	mg/L		01/23/25 09:54	SM 4500-Cl G-11
Turbidity	0.94	J	1	0.075	1.00	NTU		01/23/25 15:00	SM 2130 B-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

Report of Analysis

Client:	CHA Companies, Inc.	Date Collected:	01/22/25 10:00
Project:	Kingsboro B28 Water Sampling	Date Received:	01/22/25
Client Sample ID:	B2-W10-RM2019-EYEWASH	SDG No.:	Q1157
Lab Sample ID:	Q1157-05	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Residual Chlorine	0.11	H	1	0.016	0.10	mg/L		01/23/25 09:57	SM 4500-Cl G-11
Turbidity	0.71	J	1	0.075	1.00	NTU		01/23/25 15:04	SM 2130 B-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

Report of Analysis

Client:	CHA Companies, Inc.	Date Collected:	01/22/25 09:40
Project:	Kingsboro B28 Water Sampling	Date Received:	01/22/25
Client Sample ID:	B2-W10-RM2040-SINK	SDG No.:	Q1157
Lab Sample ID:	Q1157-06	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Residual Chlorine	0.058	HJ	1	0.016	0.10	mg/L		01/23/25 10:06	SM 4500-Cl G-11
Turbidity	0.67	J	1	0.075	1.00	NTU		01/23/25 15:08	SM 2130 B-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

Report of Analysis

Client:	CHA Companies, Inc.	Date Collected:	01/22/25 09:45
Project:	Kingsboro B28 Water Sampling	Date Received:	01/22/25
Client Sample ID:	B2-W10-RM-2035-SINK	SDG No.:	Q1157
Lab Sample ID:	Q1157-07	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Residual Chlorine	0.20	H	1	0.016	0.10	mg/L		01/23/25 10:09	SM 4500-Cl G-11
Turbidity	0.74	J	1	0.075	1.00	NTU		01/23/25 15:12	SM 2130 B-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

LAB CHRONICLE

OrderID:	Q1157	OrderDate:	1/22/2025 3:12:00 PM
Client:	CHA Companies, Inc.	Project:	Kingsboro B28 Water Sampling
Contact:	Carrie Robinson	Location:	E11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1157-01	B2-W10-RM2016-SIN K	Water	Residual Chlorine	SM4500 CI G	01/22/25 10:20		01/23/25 09:36	01/22/25
			Turbidity	SM2130 B			01/23/25 14:44	
Q1157-02	B2-W10-RM2010-SIN K	Water	Residual Chlorine	SM4500 CI G	01/22/25 10:15		01/23/25 09:48	01/22/25
			Turbidity	SM2130 B			01/23/25 14:52	
Q1157-03	B2-W10-RM2011-RH- SINK	Water	Residual Chlorine	SM4500 CI G	01/22/25 10:05		01/23/25 09:51	01/22/25
			Turbidity	SM2130 B			01/23/25 14:56	
Q1157-04	B2-W10-LH-DRINKIN G FOUNTAIN	Water	Residual Chlorine	SM4500 CI G	01/22/25 09:50		01/23/25 09:54	01/22/25
			Turbidity	SM2130 B			01/23/25 15:00	
Q1157-05	B2-W10-RM2019-EYE WASH	Water	Residual Chlorine	SM4500 CI G	01/22/25 10:00		01/23/25 09:57	01/22/25

LAB CHRONICLE

Q1157-06	B2-W10-RM2040-SIN K	Water	Turbidity	SM2130 B		01/23/25 15:04	01/22/25 09:40	01/22/25
			Residual Chlorine	SM4500 Cl G		01/23/25 10:06		
			Turbidity	SM2130 B		01/23/25 15:08		
Q1157-07	B2-W10-RM-2035-SIN K	Water					01/22/25 09:45	01/22/25
			Residual Chlorine	SM4500 Cl G		01/23/25 10:09		
			Turbidity	SM2130 B		01/23/25 15:12		



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. **Q1157/58**
QUOTE NO.
COC Number **2041687**

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **CHA Consulting, Inc.**
ADDRESS: **3 winner circle**
CITY: **Albany** STATE: **NY** ZIP: **12205**
ATTENTION: **Carrie Robinson**
PHONE: **518 453 8703** FAX: **N/A**

CLIENT PROJECT INFORMATION

PROJECT NAME: **NYSOMH Emergency Services**
PROJECT NO.: **078672** LOCATION: **Kingsboro PC**
PROJECT MANAGER: **Carrie Robinson**
e-mail: **crobison@chasolutions.com**
PHONE: **518 453 8703** FAX: **N/A**

CLIENT BILLING INFORMATION

BILL TO: **invoicing@chasolutions.com** **turbidity / chlorine**
ADDRESS: **for coliform analysis**
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) **4 day TAT** DAYS*
HARDCOPY (DATA PACKAGE): **4 day TAT** DAYS*
EDD: **N/A** DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☒ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

*Residual chlorine
turbidity
total coliform*

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	B2-W10-Rm 2016-Sink	PW*	X		1/22	1020	3	X	X	X							*PW = Potable Water
2.	B2-W10-Rm 2010-Sink	PW	X		1/22	1015	3	X	X	X							
3.	B2-W10-Rm 2011-RHSink	PW	X		1/22	1005	3	X	X	X							
4.	B2-W10-LH Drinking Fountain	PW	X		1/22	950	3	X	X	X							
5.	B2-W10-Rm 2019-Eyewash	PW	X		1/22	1000	3	X	X	X							
6.	B2-W10-Rm 2040-Sink	PW	X		1/22	940	3	X	X	X							
7.	B2-W10-Rm 2035-Sink	PW	X		1/22	945	3	X	X	X							
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP
1. <i>[Signature]</i>	1/22 1507	<i>[Signature]</i> 1507	2.4°C
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Comments:
2. <i>[Signature]</i>			
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. <i>[Signature]</i>	1-22-25		

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO

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