

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME : CARRIER POST-TREATMENT

SCIENTIFIC DESIGN

49 Industrial Avenue

Little Ferry, NJ - 07643

Phone No: 2016410500

ORDER ID : Q3339

ATTENTION : Emily Chen



Laboratory Certification ID # 20012



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Cover Page

Order ID : Q3339

Project ID : Carrier Post-Treatment

Client : Scientific Design

Lab Sample Number

Q3339-01
Q3339-02
Q3339-03
Q3339-04

Client Sample Number

5670-24-001
5670-24-002
5674-26-001C
5674-26-001R

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 : _____

Date: 10/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Scientific Design

Project Name: Carrier Post-Treatment

Project # N/A

Order ID # Q3339

Test Name: TOC

A. Number of Samples and Date of Receipt:

4 Water samples were received on 10/13/2025.

B. Parameters:

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

C. Analytical Techniques:

The analysis of TOC was based on method 9060A.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample 5670-24-002 was diluted due to high concentrations for TOC & Sample 5674-26-001C was diluted due to high concentrations for TOC.

The Blank Spike met requirements for all compounds.

The Duplicate analysis met criteria for all compounds.

The Matrix Spike analysis met criteria for all compounds.

The Matrix Spike Duplicate analysis met criteria for all compounds.

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

The Calibration met the requirements.

E. Additional Comments:

Due to client history Q3339-01 and Q3339-02 were run with 10X Straight dilutions, Q3339-03 was run with 40X straight dilution, Q3339-04 was run with 100X straight dilution.

The time of the sampling was not listed on COC.

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_____

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 #: Q3339

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 Castody

✓

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: 10/17/2025



SAMPLE DATA

Report of Analysis

Client:	Scientific Design	Date Collected:	10/03/25 00:00
Project:	Carrier Post-Treatment	Date Received:	10/13/25
Client Sample ID:	5670-24-001	SDG No.:	Q3339
Lab Sample ID:	Q3339-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	159	D	10	4.00	10.0	mg/L		10/15/25 13:14	9060A

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:	Scientific Design	Date Collected:	10/03/25 00:00
Project:	Carrier Post-Treatment	Date Received:	10/13/25
Client Sample ID:	5670-24-002	SDG No.:	Q3339
Lab Sample ID:	Q3339-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	407	OR	10	4.00	10.0	mg/L		10/15/25 13:47	9060A

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:	Scientific Design	Date Collected:	10/03/25 00:00
Project:	Carrier Post-Treatment	Date Received:	10/13/25
Client Sample ID:	5670-24-002DL	SDG No.:	Q3339
Lab Sample ID:	Q3339-02DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	443	D	40	16.0	40.0	mg/L		10/15/25 15:12	9060A

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:	Scientific Design	Date Collected:	10/06/25 00:00
Project:	Carrier Post-Treatment	Date Received:	10/13/25
Client Sample ID:	5674-26-001C	SDG No.:	Q3339
Lab Sample ID:	Q3339-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	886	OR	40	16.0	40.0	mg/L		10/15/25 14:17	9060A

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:	Scientific Design	Date Collected:	10/06/25 00:00
Project:	Carrier Post-Treatment	Date Received:	10/13/25
Client Sample ID:	5674-26-001CDL	SDG No.:	Q3339
Lab Sample ID:	Q3339-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	843	D	80	32.0	80.0	mg/L		10/15/25 16:31	9060A

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:	Scientific Design	Date Collected:	10/10/25 00:00
Project:	Carrier Post-Treatment	Date Received:	10/13/25
Client Sample ID:	5674-26-001R	SDG No.:	Q3339
Lab Sample ID:	Q3339-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	638	D	100	40.0	100	mg/L		10/15/25 14:44	9060A

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:	Q3339	OrderDate:	10/13/2025 3:53:00 PM
Client:	Scientific Design	Project:	Carrier Post-Treatment
Contact:	Emily Chen	Location:	D31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3339-01	5670-24-001	WATER	TOC	9060A	10/03/25 00:00		10/15/25 13:14	10/13/25
Q3339-02	5670-24-002	WATER	TOC	9060A	10/03/25 00:00		10/15/25 13:47	10/13/25
Q3339-02DL	5670-24-002DL	WATER	TOC	9060A	10/03/25 00:00		10/15/25 15:12	10/13/25
Q3339-03	5674-26-001C	WATER	TOC	9060A	10/06/25 00:00		10/15/25 14:17	10/13/25
Q3339-03DL	5674-26-001CDL	WATER	TOC	9060A	10/06/25 00:00		10/15/25 16:31	10/13/25
Q3339-04	5674-26-001R	WATER	TOC	9060A	10/10/25 00:00		10/15/25 14:44	10/13/25



SHIPPING DOCUMENTS



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

Alliance Project Number: ~~Q3094~~ **Q3339**

CHAIN OF CUSTODY RECORD

COC Number:

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

COMPANY: Scientific Design LLC

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: Emily Chen

PHONE: FAX:

PROJECT NAME: Carrier post treatment

PROJECT #: LOCATION:

PROJECT MANAGER:

E-MAIL:

PHONE: FAX:

BILL TO:

PO#

ADDRESS:

CITY:

STATE: ZIP:

ATTENTION:

PHONE:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX: DAYS*
HARD COPY: DAYS*
EDD: DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

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

ANALYSIS

TOC

1

2

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PRESERVATIVES

COMMENTS

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

CHEMTECH
SAMPLE
IDPROJECT
SAMPLE IDENTIFICATIONSAMPLE
MATRIXSAMPLE
TYPESAMPLE
COLLECTION

of Bottles

NA

1

2

3

4

5

6

7

8

9

1.

5670-24-001

Water

10/3/25

1

x

2.

5670-24-002

Water

10/3/25

1

x

3.

5674-26-001C

Water

10/6/25

1

x

4.

5674-26-001C

Water

10/10/25

1

x

5.

6.

7.

8.

9.

10.

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

RELINQUISHED BY

DATE/TIME

RECEIVED FOR LAB BY

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.9
 MeOH extraction requires an additional 4oz. Jar for percent solid

Comments:

☐ Ice in Cooler?:

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
 ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

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