

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:	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			10/03/25 00:00			10/13/25
			TOC	9060A			10/15/25 13:14	
Q3339-02	5670-24-002	WATER			10/03/25 00:00			10/13/25
			TOC	9060A			10/15/25 13:47	
Q3339-02DL	5670-24-002DL	WATER			10/03/25 00:00			10/13/25
			TOC	9060A			10/15/25 15:12	
Q3339-03	5674-26-001C	WATER			10/06/25 00:00			10/13/25
			TOC	9060A			10/15/25 14:17	
Q3339-03DL	5674-26-001CDL	WATER			10/06/25 00:00			10/13/25
			TOC	9060A			10/15/25 16:31	
Q3339-04	5674-26-001R	WATER			10/10/25 00:00			10/13/25
			TOC	9060A			10/15/25 14:44	



SAMPLE DATA

Report of Analysis

Client: Scientific Design
Project: Carrier Post-Treatment
Client Sample ID: 5670-24-001
Lab Sample ID: Q3339-01

Date Collected: 10/03/25 00:00
Date Received: 10/13/25
SDG No.: Q3339
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
Project: Carrier Post-Treatment
Client Sample ID: 5670-24-002
Lab Sample ID: Q3339-02

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

Date Collected: 10/03/25 00:00
Date Received: 10/13/25
SDG No.: Q3339
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
Project: Carrier Post-Treatment
Client Sample ID: 5674-26-001C
Lab Sample ID: Q3339-03

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

Date Collected: 10/06/25 00:00
Date Received: 10/13/25
SDG No.: Q3339
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
Project: Carrier Post-Treatment
Client Sample ID: 5674-26-001R
Lab Sample ID: Q3339-04

Date Collected: 10/10/25 00:00
Date Received: 10/13/25
SDG No.: Q3339
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



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Scientific Design
Project: Carrier Post-Treatment

SDG No.: Q3339
RunNo.: LB137529

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 TOC	mg/L	10.2	10	102	90-110	10/06/2025
Sample ID: CCV1 TOC	mg/L	9.8	10	98	90-110	10/15/2025
Sample ID: CCV2 TOC	mg/L	10	10	100	90-110	10/15/2025
Sample ID: CCV3 TOC	mg/L	10.2	10	102	90-110	10/15/2025

Initial and Continuing Calibration Blank Summary

Client: Scientific Design
Project: Carrier Post-Treatment

SDG No.: Q3339
RunNo.: LB137529

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 TOC	mg/L	< 0.5000	0.5000	U	0.40	1	10/06/2025
Sample ID: CCB1 TOC	mg/L	< 0.5000	0.5000	U	0.40	1	10/15/2025
Sample ID: CCB2 TOC	mg/L	< 0.5000	0.5000	U	0.40	1	10/15/2025
Sample ID: CCB3 TOC	mg/L	< 0.5000	0.5000	U	0.40	1	10/15/2025

Preparation Blank Summary

Client: Scientific Design
Project: Carrier Post-Treatment

SDG No.: Q3339

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: TOC	LB137529BLW mg/L	< 0.5000	0.5000	U	0.4	1	10/15/2025

Matrix Spike Summary

Client:	Scientific Design	SDG No.:	Q3339
Project:	Carrier Post-Treatment	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
TOC	mg/L	75-125	10.2		1.30		10	1	89		10/15/2025

Matrix Spike Summary

Client:	Scientific Design	SDG No.:	Q3339
Project:	Carrier Post-Treatment	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
TOC	mg/L	75-125	10.8		1.30		10	1	95		10/15/2025

Duplicate Sample Summary

Client:	Scientific Design	SDG No.:	Q3339
Project:	Carrier Post-Treatment	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
TOC	mg/L	+/-20	10.2		10.8		1	6		10/15/2025

Laboratory Control Sample Summary

Client: Scientific Design

SDG No.: Q3339

Project: Carrier Post-Treatment

Run No.: LB137529

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137529BSW							
TOC	mg/L	10	9.80		98	1	90-110	10/15/2025



RAW DATA

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
CCV1	9.8220	0.1761	1.79	TOC	
CCB1	0.2141	0.0542	25.30	TOC	
LB137529BLW	0.1656	0.0628	37.93	TOC	
LB137529BSW.....	9.7594...	0.0726..	0.74...	TOC	..
Q3345-07	1.3378	0.1997	14.93	TOC	
Q3345-07MS	10.2054	0.2970	2.91	TOC	
Q3345-07MSD.....	10.7563...	0.2130..	1.98...	TOC	..
Q3339-01X10	15.8622	0.1811	1.14	TOC	
Q3339-02X10	40.7250	0.1960	0.48	TOC	
Q3339-03X40.....	22.1458...	0.2337..	1.06...	TOC	..
Q3339-04X100	6.3781	0.1499	2.35	TOC	
Q3339-02DLX40	11.0678	0.1587	1.43	TOC	
CCV2.....	9.9682...	0.1905..	1.91...	TOC	..
CCB2	0.3493	0.0279	8.00	TOC	
Q3339-03DLX80	10.5329	0.1234	1.17	TOC	
CCV3.....	10.2399...	0.0659..	0.64...	TOC	..
CCB3	0.2862	0.0515	18.01	TOC	

Method ID	Sample Type	Vial	Timestamp	Message
TOC 0 - 20 ppmC	Sample	11	2025/10/15 09:16	
TOC 0 - 20 ppmC	Sample	12	2025/10/15 09:38	
TOC 0 - 20 ppmC	Sample	13	2025/10/15 10:01	Low Sample Detected
TOC 0 - 20 ppmC	...Sample	.. 14..	2025/10/15 10:32	..
TOC 0 - 20 ppmC	Sample	15	2025/10/15 10:56	
TOC 0 - 20 ppmC	Sample	16	2025/10/15 11:52	
TOC 0 - 20 ppmC	...Sample	.. 14..	2025/10/15 12:21	..
TOC 0 - 20 ppmC	Sample	18	2025/10/15 13:14	
TOC 0 - 20 ppmC	Sample	19	2025/10/15 13:47	
TOC 0 - 20 ppmC	...Sample	.. 20..	2025/10/15 14:17	..
TOC 0 - 20 ppmC	Sample	21	2025/10/15 14:44	
TOC 0 - 20 ppmC	Sample	22	2025/10/15 15:12	
TOC 0 - 20 ppmC	...Sample	.. 11..	2025/10/15 15:41	..
TOC 0 - 20 ppmC	Sample	12	2025/10/15 16:03	
TOC 0 - 20 ppmC	Sample	23	2025/10/15 16:31	
TOC 0 - 20 ppmC	...Sample	.. 14..	2025/10/15 17:00	..
TOC 0 - 20 ppmC	Sample	13	2025/10/15 17:23	

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.7210	4.8605	361653	-1.857	-1.659	218
2	9.6333	4.8167	358390	-1.868	-1.668	234
3	9.9158	4.9579	368898	-1.926	-1.726	220
4	10.0179	5.0090	372698	-1.987	-1.789	230

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2299	0.1149	8552	-2.169	-1.972	98
2	0.2616	0.1308	9733	-2.195	-1.996	97
3	0.1361	0.0680	5062	-2.172	-1.974	96
4	0.2287	0.1143	8508	-2.200	-2.003	97

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1301	0.0651	4841	-2.251	-2.294	120
2	0.1497	0.0749	5570	-2.275	-2.278	120
3	0.1242	0.0621	4621	-2.278	-2.299	120
4	0.2584	0.1292	9612	-2.343	-2.321	120

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.7968	4.8984	364472	-2.378	-2.180	231
2	9.8308	4.9154	365736	-2.370	-2.173	217
3	9.6637	4.8318	359519	-2.359	-2.160	216
4	9.7465	4.8733	362601	-2.356	-2.156	227

```
<<<Statistics>>>      Mean:      9.7594      Std Dev:      0.0726      RSD: 0.74
```

Sample ID: Q3345-07 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10150824
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/15 10:56
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.6240	0.8120	60420	-2.421	-2.223	121
2	1.3215	0.6608	49164	-2.396	-2.196	122
3	1.2261	0.6130	45614	-2.393	-2.194	118
4	1.1796	0.5898	43886	-2.381	-2.185	123

<<<Statistics>>> Mean: 1.3378 Std Dev: 0.1997 RSD: 14.93

Sample ID: Q3345-07MS Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10150824
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/15 11:52
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.0423	5.0211	373605	-2.429	-2.232	197
2	9.9468	4.9734	370053	-2.356	-2.157	196
3	10.2134	5.1067	379972	-2.377	-2.178	188
4	10.6190	5.3095	395059	-2.369	-2.170	201

<<<Statistics>>> Mean: 10.2054 Std Dev: 0.2970 RSD: 2.91

Sample ID: Q3345-07MSD Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10150824
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/15 12:21
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.8059	5.4030	402015	-2.463	-2.263	199
2	10.6825	5.3412	397423	-2.440	-2.241	185
3	10.5156	5.2578	391216	-2.459	-2.259	190
4	11.0214	5.5107	410030	-2.487	-2.293	201

<<<Statistics>>> Mean: 10.7563 Std Dev: 0.2130 RSD: 1.98

Sample ID: Q3339-01X10 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10150824
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/15 13:14
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	15.8304	7.9152	588941	-2.457	-2.258	207
2	15.8553	7.9276	589867	-2.396	-2.197	194
3	15.6619	7.8310	582674	-2.324	-2.126	194
4	16.1014	8.0507	599024	-2.334	-2.135	199

<<<Statistics>>> Mean: 15.8622 Std Dev: 0.1811 RSD: 1.14

Sample ID: Q3339-02X10 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10150824
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/15 13:47
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	40.6472	20.3236	1512206	-2.266	-2.066	265
2	40.5144	20.2572	1507266	-2.220	-2.022	265
3	40.9771	20.4885	1524477	-2.140	-1.941	253
4	40.7612	20.3806	1516446	-2.116	-1.918	254

<<<Statistics>>> Mean: 40.7250 Std Dev: 0.1960 RSD: 0.48

Sample ID: Q3339-03X40 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10150824
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/15 14:17
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	22.2420	11.1210	827471	-2.271	-2.071	235
2	22.0352	11.0176	819781	-2.184	-1.986	223
3	21.8863	10.9431	814239	-2.153	-1.954	211
4	22.4196	11.2098	834079	-2.145	-1.945	211

<<<Statistics>>> Mean: 22.1458 Std Dev: 0.2337 RSD: 1.06

Sample ID: Q3339-04X100 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10150824
Cal. Curve: TOC WATER 0-20PPM Times
Timestamp: 2025/10/15 14:44
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	6.5787	3.2893	244748	-2.345	-2.146	176
2	6.3298	3.1649	235490	-2.281	-2.083	168
3	6.2206	3.1103	231425	-2.285	-2.086	170
4	6.3834	3.1917	237481	-2.316	-2.117	158

<<<Statistics>>> Mean: 6.3781 Std Dev: 0.1499 RSD: 2.35

Sample ID: Q3339-02DLX40 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10150824
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/15 15:12
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	11.1773	5.5887	415831	-2.360	-2.161	195
2	11.1924	5.5962	416391	-2.277	-2.078	188
3	11.0524	5.5262	411185	-2.235	-2.035	186
4	10.8492	5.4246	403624	-2.211	-2.012	178

<<<Statistics>>> Mean: 11.0678 Std Dev: 0.1587 RSD: 1.43

Sample ID: CCV2 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10150824
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/15 15:41
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
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1	10.0522	5.0261	373974	-2.333	-2.133	208
2	10.1808	5.0904	378759	-2.324	-2.126	203
3	9.7406	4.8703	362379	-2.305	-2.106	191
4	9.8991	4.9496	368280	-2.332	-2.133	191
<<<Statistics>>> Mean: 9.9682 Std Dev: 0.1905 RSD: 1.91						
=====						

Sample ID: CCB2			Mode: TOC			
Method: TOC 0 - 20 ppmC			Filename: 10150824			
Cal. Curve: TOC WATER 0-20PPM			Timestamp: 2025/10/15 16:03			
Operator ID: RM IZ			Sample Type: Sample			
Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.3744	0.1872	13930	-2.347	-2.150	101
2	0.3094	0.1547	11510	-2.359	-2.161	100
3	0.3542	0.1771	13177	-2.373	-2.177	100
4	0.3591	0.1795	13358	-2.383	-2.185	100
<<<Statistics>>> Mean: 0.3493 Std Dev: 0.0279 RSD: 8.00						
=====						

Sample ID: Q3339-03DLX80			Mode: TOC			
Method: TOC 0 - 20 ppmC			Filename: 10150824			
Cal. Curve: TOC WATER 0-20PPM			Timestamp: 2025/10/15 16:31			
Operator ID: RM IZ			Sample Type: Sample			
Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.5449	5.2725	392306	-2.376	-2.177	194
2	10.3897	5.1949	386530	-2.288	-2.090	183
3	10.6892	5.3446	397672	-2.252	-2.054	179
4	10.5077	5.2539	390921	-2.211	-2.011	180
<<<Statistics>>> Mean: 10.5329 Std Dev: 0.1234 RSD: 1.17						
=====						

Sample ID: CCV3			Mode: TOC			
Method: TOC 0 - 20 ppmC			Filename: 10150824			
Cal. Curve: TOC WATER 0-20PPM			Timestamp: 2025/10/15 17:00			
Operator ID: RM IZ			Sample Type: Sample			
Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.1856	5.0928	378935	-2.388	-2.189	217
2	10.3357	5.1678	384519	-2.368	-2.170	196
3	10.2153	5.1076	380040	-2.354	-2.155	201
4	10.2228	5.1114	380322	-2.372	-2.176	199
<<<Statistics>>> Mean: 10.2399 Std Dev: 0.0659 RSD: 0.64						
=====						

Sample ID: CCB3			Mode: TOC			
Method: TOC 0 - 20 ppmC			Filename: 10150824			
Cal. Curve: TOC WATER 0-20PPM			Timestamp: 2025/10/15 17:23			
Operator ID: RM IZ			Sample Type: Sample			
Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.3570	0.1785	13281	-2.388	-2.189	101
2	0.2403	0.1201	8939	-2.378	-2.179	98
3	0.2902	0.1451	10797	-2.419	-2.223	98
4	0.2573	0.1287	9574	-2.405	-2.207	99

<<<Statistics>>> Mean: 0.2862 Std Dev: 0.0515 RSD: 18.01
=====

Reviewed By:Iwona
On:10/17/2025
12:53:22 PM
Inst Id :Appolo-9000
LB :LB137529

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
0.0PPM	7798	1771	22.72	TOC	
0.5PPM	16970	1774	10.45	TOC	
1.0PPM	36859	6025	16.35	TOC	
2.0PPM.....	76964...	3154..	4.10...	TOC	..
5.0PPM	190528	1444	0.76	TOC	
10.0PPM	381065	1148	0.30	TOC	
20.0PPM.....	744322...	6957..	0.93...	TOC	..
ICV1	10.1531	0.5724	5.64	TOC	
ICB1	0.2761	0.0175	6.35	TOC	
IC-20.....	0.1800...	0.0413..	22.93...	TOC	..
IC-R	0.1828	0.0351	19.20	TOC	

Method ID	Sample Type	Vial		Timestamp		Message
TOC 0 - 20 ppmC	TOC Standard	1		2025/10/06	10:48	Low Sample Detected
TOC 0 - 20 ppmC	TOC Standard	2		2025/10/06	11:11	
TOC 0 - 20 ppmC	TOC Standard	9		2025/10/06	12:49	
TOC 0 - 20 ppmC	...TOC Standard	..	4..	2025/10/06	13:17	..
TOC 0 - 20 ppmC	TOC Standard	5		2025/10/06	13:47	
TOC 0 - 20 ppmC	TOC Standard	6		2025/10/06	14:18	
TOC 0 - 20 ppmC	...TOC Standard	..	7..	2025/10/06	14:50	..
TOC 0 - 20 ppmC	Sample	11		2025/10/06	15:21	
TOC 0 - 20 ppmC	Sample	12		2025/10/06	15:44	
TOC 0 - 20 ppmC	...Sample	..	13..	2025/10/06	16:07	..Low Sample Detected
TOC 0 - 20 ppmC	Sample	12		2025/10/06	16:31	Low Sample Detected

Sample ID: 0.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 10:48
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			5846	-2.877	-2.887	120
2			9375	-2.904	-2.854	120
3			9220	-2.876	-2.844	120
4			6752	-2.847	-2.651	97

Last Message: Low Sample Detected

<<<Statistics>>> Mean: 7798 Std Dev: 1771 RSD: 22.72

Sample ID: 0.5PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 11:11
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			18297	-2.818	-2.620	107
2			17399	-2.751	-2.553	105
3			17816	-2.721	-2.522	104
4			14367	-2.717	-2.518	104

<<<Statistics>>> Mean: 16970 Std Dev: 1774 RSD: 10.45

Sample ID: 1.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 12:49
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			43721	-2.441	-2.241	120
2			32441	-2.186	-1.988	108
3			31203	-2.186	-1.986	108
4			40072	-2.195	-1.996	109

<<<Statistics>>> Mean: 36859 Std Dev: 6025 RSD: 16.35

Sample ID: 2.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 13:17
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			80020	-2.332	-2.134	190
2			77998	-2.276	-2.076	187
3			77272	-2.262	-2.062	181
4			72567	-2.226	-2.028	182

<<<Statistics>>> Mean: 76964 Std Dev: 3154 RSD: 4.10

Sample ID: 5.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 13:47
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			192681	-2.223	-2.025	220
2			189590	-2.206	-2.007	215
3			189901	-2.189	-1.991	214
4			189941	-2.195	-1.996	214

<<<Statistics>>> Mean: 190528 Std Dev: 1444 RSD: 0.76

Sample ID: 10.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 14:18
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			380007	-2.134	-1.935	232
2			381443	-2.115	-1.918	239
3			382514	-2.106	-1.907	224
4			380295	-2.095	-1.896	230

<<<Statistics>>> Mean: 381065 Std Dev: 1148 RSD: 0.30

Sample ID: 20.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 14:50
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			737883	-2.056	-1.858	250
2			738798	-1.986	-1.787	236
3			749386	-1.985	-1.788	246
4			751220	-1.985	-1.785	256

<<<Statistics>>> Mean: 744322 Std Dev: 6957 RSD: 0.93

Sample ID: ICB1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 15:21
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.4604	4.7302	372906	-1.973	-1.774	230
2	9.9095	4.9548	390608	-1.964	-1.765	228
3	10.6733	5.3366	397079	-1.963	-1.764	241
4	10.5694	5.2847	393217	-1.956	-1.756	229

<<<Statistics>>> Mean: 10.1531 Std Dev: 0.5724 RSD: 5.64

Sample ID: ICB1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 15:44
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2779	0.1389	10338	-1.890	-1.693	102
2	0.2517	0.1259	9365	-1.863	-1.666	101
3	0.2933	0.1466	10912	-1.881	-1.684	101
4	0.2813	0.1406	10463	-1.904	-1.705	100

<<<Statistics>>> Mean: 0.2761 Std Dev: 0.0175 RSD: 6.35
=====

Sample ID: IC-20 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 16:07
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1857	0.0928	6908	-1.908	-1.921	120
2	0.2350	0.1175	8744	-1.915	-1.905	120
3	0.1392	0.0696	5178	-1.905	-1.911	120
4	0.1602	0.0801	5958	-1.910	-1.929	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.1800 Std Dev: 0.0413 RSD: 22.93
=====

Sample ID: IC-R Mode: TOC
Method: TOC 0 - 20 ppmC
Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 16:31
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2183	0.1091	8120	-1.922	-1.901	120
2	0.1941	0.0970	7220	-1.905	-1.872	120
3	0.1348	0.0674	5014	-1.885	-1.886	120
4	0.1838	0.0919	6838	-1.897	-1.887	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.1828 Std Dev: 0.0351 RSD: 19.20
=====

Calibration Report Print Date/Time: 2025/10/06 14:58:08

Cal. Curve ID: TOC WATER 0-20PPM
Created: 2025/10/06 14:58
Calibration Factor (m): 7.441e+04
Y Intercept (b): 3169
r-squared: 0.99977

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message	Date & Time
0.0PPM	7798	0.000	0.062	—	2025/10/06 10:48
0.5PPM	16970	0.250	0.185	-26.0	2025/10/06 11:11
1.0PPM	36859	0.500	0.453	-9.4	2025/10/06 12:49
2.0PPM	76964	1.000	0.992	-0.8	2025/10/06 13:17
5.0PPM	190528	2.500	2.518	0.7	2025/10/06 13:47
10.0PPM	381065	5.000	5.079	1.6	2025/10/06 14:18
20.0PPM	744322	10.000	9.961	-0.4	2025/10/06 14:50

12

10/06/25

Instrument ID: TOC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137529

Review By	rubina	Review On	10/16/2025 4:39:09 PM
Supervise By	Iwona	Supervise On	10/17/2025 12:53:22 PM
SubDirectory	LB137529	Test	TOC
STD. NAME	STD REF.#		
ICAL Standard	WP115042,WP115043,WP115044,WP115045,WP115046,WP115047,WP115048		
ICV Standard	WP115049		
CCV Standard	WP115206		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115207		
Chk Standard	WP115035,WP115050,WP115055		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	10/06/25 10:48		RM IZ	OK
2	0.5PPM	0.5PPM	CAL2	10/06/25 11:11		RM IZ	OK
3	1.0PPM	1.0PPM	CAL3	10/06/25 12:49		RM IZ	OK
4	2.0PPM	2.0PPM	CAL4	10/06/25 13:17		RM IZ	OK
5	5.0PPM	5.0PPM	CAL5	10/06/25 13:47		RM IZ	OK
6	10.0PPM	10.0PPM	CAL6	10/06/25 14:18		RM IZ	OK
7	20.0PPM	20.0PPM	CAL7	10/06/25 14:50		RM IZ	OK
8	ICV1	ICV1	ICV	10/06/25 15:21		RM IZ	OK
9	ICB1	ICB1	ICB	10/06/25 15:44		RM IZ	OK
10	IC-20	IC-20	SAM	10/06/25 16:07		RM IZ	OK
11	IC-R	IC-R	SAM	10/06/25 16:31		RM IZ	OK
12	CCV1	CCV1	CCV	10/15/25 09:16		RM IZ	OK
13	CCB1	CCB1	CCB	10/15/25 09:38		RM IZ	OK
14	LB137529BLW	LB137529BLW	MB	10/15/25 10:01		RM IZ	OK
15	LB137529BSW	LB137529BSW	LCS	10/15/25 10:32		RM IZ	OK
16	Q3345-07	TANK-FARM-WATER	SAM	10/15/25 10:56		RM IZ	OK
17	Q3345-07MS	TANK-FARM-WATER	MS	10/15/25 11:52	2.0ml WP115204 +38.0ml Sample	RM IZ	OK
18	Q3345-07MSD	TANK-FARM-WATER	MSD	10/15/25 12:21	2.0ml WP115204 +38.0ml Sample	RM IZ	OK

Instrument ID: TOC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137529

Review By	rubina	Review On	10/16/2025 4:39:09 PM
Supervise By	Iwona	Supervise On	10/17/2025 12:53:22 PM
SubDirectory	LB137529	Test	TOC
STD. NAME	STD REF.#		
ICAL Standard	WP115042,WP115043,WP115044,WP115045,WP115046,WP115047,WP115048		
ICV Standard	WP115049		
CCV Standard	WP115206		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115207		
Chk Standard	WP115035,WP115050,WP115055		

19	Q3339-01	5670-24-001	SAM	10/15/25 13:14		RM IZ	OK
20	Q3339-02	5670-24-002	SAM	10/15/25 13:47	10X For TOC, Still high	RM IZ	Dilution
21	Q3339-03	5674-26-001C	SAM	10/15/25 14:17	40X For TOC, Still high	RM IZ	Dilution
22	Q3339-04	5674-26-001R	SAM	10/15/25 14:44		RM IZ	OK
23	Q3339-02DL	5670-24-002DL	SAM	10/15/25 15:12	40X For TOC	RM IZ	Confirms
24	CCV2	CCV2	CCV	10/15/25 15:41		RM IZ	OK
25	CCB2	CCB2	CCB	10/15/25 16:03		RM IZ	OK
26	Q3339-03DL	5674-26-001CDL	SAM	10/15/25 16:31	80X For TOC	RM IZ	Confirms
27	CCV3	CCV3	CCV	10/15/25 17:00		RM IZ	OK
28	CCB3	CCB3	CCB	10/15/25 17:23		RM IZ	OK



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

3

4

5

6

7

8

9

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

1.

10/13/25

1.

15:30

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp

MeOH extraction requires an additional 4oz. Jar for percent solid

☐ Ice in Cooler?

RELINQUISHED BY

DATE/TIME

RECEIVED BY

2.

2.

RELINQUISHED BY

DATE/TIME

RECEIVED FOR LAB BY

3.

3.

Page of

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ OvernightALLIANCE: ☐ 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