Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

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

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LAB CHRONICLE

OrderID:	P5410	**OrderDate:**	12/31/2024 10:51:00 AM
Client:	Summit Environmental Technologies, LLC	**Project:**	24120694
Contact:	Jennifer Woolf	**Location:**	K11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5410-01	**OUTFALL-003**	**WATER**			**12/10/24 12:33**			**12/31/24**
			TOC	SM5310B			01/09/25 00:29	
P5410-02	**OUTFALL-005**	**WATER**			**12/10/24 13:24**			**12/31/24**
			TOC	SM5310B			01/09/25 00:54	
P5410-03	**OUTFALL-007**	**WATER**			**12/10/24 11:00**			**12/31/24**
			TOC	SM5310B			01/09/25 01:20	
P5410-04	**INFLOW-007**	**WATER**			**12/10/24 10:45**			**12/31/24**
			TOC	SM5310B			01/09/25 01:45	

SAMPLE DATA

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Report of Analysis

Client:	Summit Environmental Technologies, LLC	Date Collected:	12/10/24 12:33
Project:	24120694	Date Received:	12/31/24
Client Sample ID:	OUTFALL-003	SDG No.:	P5410
Lab Sample ID:	P5410-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	12.7	H	1	0.19	1.00	mg/L		01/09/25 00:29	SM 5310 B-14

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

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Report of Analysis

Client:	Summit Environmental Technologies, LLC	Date Collected:	12/10/24 13:24
Project:	24120694	Date Received:	12/31/24
Client Sample ID:	OUTFALL-005	SDG No.:	P5410
Lab Sample ID:	P5410-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	6.80	H	1	0.19	1.00	mg/L		01/09/25 00:54	SM 5310 B-14

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

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Report of Analysis

Client:	Summit Environmental Technologies, LLC	Date Collected:	12/10/24 11:00
Project:	24120694	Date Received:	12/31/24
Client Sample ID:	OUTFALL-007	SDG No.:	P5410
Lab Sample ID:	P5410-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	8.60	H	1	0.19	1.00	mg/L		01/09/25 01:20	SM 5310 B-14

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

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Report of Analysis

Client:	Summit Environmental Technologies, LLC	Date Collected:	12/10/24 10:45
Project:	24120694	Date Received:	12/31/24
Client Sample ID:	INFLOW-007	SDG No.:	P5410
Lab Sample ID:	P5410-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	9.30	H	1	0.19	1.00	mg/L		01/09/25 01:45	SM 5310 B-14

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

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Initial and Continuing Calibration Verification

Client: Summit Environmental Technologies, LLC **SDG No.:** P5410

Project: 24120694 **RunNo.:** LB134199

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	CCV1						
TOC		mg/L	0.99	1	99	50-150	01/08/2025
Sample ID:	CCV2						
TOC		mg/L	9.2	10	92	90-110	01/08/2025
Sample ID:	CCV3						
TOC		mg/L	21	20	105	90-110	01/09/2025
Sample ID:	ICV1						
TOC		mg/L	10.2	10	102	90-110	12/27/2024

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Initial and Continuing Calibration Blank Summary

Client: Summit Environmental Technologies, LLC **SDG No.:** P5410

Project: 24120694 **RunNo.:** LB134199

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	CCB1							
TOC		mg/L	0.25	0.5000	J	0.19	1	01/08/2025
Sample ID:	CCB2							
TOC		mg/L	0.43	0.5000	J	0.19	1	01/08/2025
Sample ID:	CCB3							
TOC		mg/L	0.38	0.5000	J	0.19	1	01/09/2025
Sample ID:	ICB1							
TOC		mg/L	< 0.5000	0.5000	U	0.19	1	12/27/2024

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Preparation Blank Summary

Client: Summit Environmental Technologies, LLC **SDG No.:** P5410

Project: 24120694

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134199BLW							
TOC	mg/L	0.24	0.5000	J	0.19	1	01/08/2025

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Matrix Spike Summary

Client: Summit Environmental Technologies, LLC
SDG No.: P5410
Project: 24120694
Sample ID: P5407-01
Client ID: 2412-0430-001MS
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	85-115	19.6		9.60		10	1	100		01/08/2025

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Matrix Spike Summary

Client: Summit Environmental Technologies, LLC
SDG No.: P5410
Project: 24120694
Sample ID: P5407-01
Client ID: 2412-0430-001MSD
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	85-115	19.9		9.60		10	1	103		01/08/2025

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Duplicate Sample Summary

Client: Summit Environmental Technologies, LLC
SDG No.: P5410
Project: 24120694
Sample ID: P5407-01
Client ID: 2412-0430-001MSD
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	+/-15	19.6		19.9		1	2		01/08/2025

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Laboratory Control Sample Summary

Client: Summit Environmental Technologies, LLC **SDG No.:** P5410

Project: 24120694 **Run No.:** LB134199

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB134199BSW								
TOC	mg/L	10	10.7		107	1	90-110	01/08/2025

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RAW DATA

Reviewed By:Iwona
On:1/10/2025 10:32:07 AM
Inst Id :Appolo-9000
LB :LB134199

Sample Results Report Print Date/Time: 2025/01/09 10:40:01

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
CCV1	0.9923	0.0608	6.13	TOC	
CCB1	0.2459	0.0339	13.79	TOC	
LB134199BLW	0.2369	0.0642	27.10	TOC	
LB134199BSW.....	10.7364...	0.9020..	8.40...	TOC	..
P5407-01	9.5795	0.0559	0.58	TOC	
P5407-01MS	19.6254	0.4226	2.15	TOC	
P5407-01MSD.....	19.9188...	0.2738..	1.37...	TOC	..
P5407-02	3.7777	0.1199	3.17	TOC	
P5407-03	2.6104	0.2267	8.68	TOC	
P5407-04.....	2.7697...	0.0811..	2.93...	TOC	..
P5407-05	13.6537	0.2227	1.63	TOC	
P5407-06	16.5421	0.4425	2.67	TOC	
CCV2.....	9.1878...	0.8765..	9.54...	TOC	..
CCB2	0.4332	0.0422	9.73	TOC	
P5407-07	24.7989	0.5760	2.32	TOC	
P5410-01.....	12.7227...	0.4248..	3.34...	TOC	..
P5410-02	6.7891	0.0953	1.40	TOC	
P5410-03	8.6487	0.3354	3.88	TOC	
P5410-04.....	9.3249...	0.1540..	1.65...	TOC	..
P5407-07DLX2	13.4821	0.5091	3.78	TOC	
CCV3	20.9828	0.3351	1.60	TOC	
CCB3.....	0.3818...	0.1262..	33.06...	TOC	..

Sample Results Report Print Date/Time: 2025/01/09 10:40:01

Method ID	Sample Type	Vial	Timestamp	Message
TOC 0 - 20 ppmC	Sample	8	2025/01/08 15:56	
TOC 0 - 20 ppmC	Sample	9	2025/01/08 16:21	Low Sample Detected
TOC 0 - 20 ppmC	Sample	9	2025/01/08 16:44	Low Sample Detected
TOC 0 - 20 ppmC	Sample	10	2025/01/08 17:10	
TOC 0 - 20 ppmC	Sample	15	2025/01/08 17:38	
TOC 0 - 20 ppmC	Sample	16	2025/01/08 18:06	
TOC 0 - 20 ppmC	Sample	16	2025/01/08 18:35	
TOC 0 - 20 ppmC	Sample	17	2025/01/08 19:01	
TOC 0 - 20 ppmC	Sample	19	2025/01/08 20:18	
TOC 0 - 20 ppmC	Sample	20	2025/01/08 20:43	
TOC 0 - 20 ppmC	Sample	21	2025/01/08 21:09	
TOC 0 - 20 ppmC	Sample	22	2025/01/08 21:35	
TOC 0 - 20 ppmC	Sample	14	2025/01/08 22:25	
TOC 0 - 20 ppmC	Sample	12	2025/01/08 22:48	
TOC 0 - 20 ppmC	Sample	23	2025/01/09 00:03	
TOC 0 - 20 ppmC	Sample	24	2025/01/09 00:29	
TOC 0 - 20 ppmC	Sample	25	2025/01/09 00:54	
TOC 0 - 20 ppmC	Sample	26	2025/01/09 01:20	
TOC 0 - 20 ppmC	Sample	27	2025/01/09 01:45	
TOC 0 - 20 ppmC	Sample	15	2025/01/09 09:49	
TOC 0 - 20 ppmC	Sample	16	2025/01/09 10:15	
TOC 0 - 20 ppmC	Sample	17	2025/01/09 10:37	

Detailed Analysis Report Print Date/Time: 2025/01/09 10:40:22

Sample ID: CCV1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081057
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 15:56
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.9626	0.4813	33693	-2.631	-2.435	124
2	0.9244	0.4622	32356	-2.637	-2.438	126
3	1.0615	0.5308	37156	-2.666	-2.469	126
4	1.0208	0.5104	35732	-2.660	-2.461	129

<<<Statistics>>> Mean: 0.9923 Std Dev: 0.0608 RSD: 6.13

Sample ID: CCB1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 16:21
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2222	0.1111	7778	-2.738	-2.679	120
2	0.2915	0.1458	10205	-2.755	-2.677	120
3	0.2181	0.1090	7633	-2.732	-2.656	120
4	0.2517	0.1259	8811	-2.753	-2.707	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.2459 Std Dev: 0.0339 RSD: 13.79

Sample ID: LB134199BLW Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 16:44
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.3058	0.1529	10705	-2.639	-2.539	120
2	0.2715	0.1358	9505	-2.642	-2.576	120
3	0.2082	0.1041	7289	-2.646	-2.590	120
4	0.1621	0.0810	5672	-2.655	-2.627	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.2369 Std Dev: 0.0642 RSD: 27.10

Sample ID: LB134199BSW Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 17:10
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	12.0350	6.0175	421259	-2.671	-2.472	149
2	10.2220	5.1110	357796	-2.608	-2.409	139
3	10.0424	5.0212	351511	-2.584	-2.385	137
4	10.6463	5.3232	372650	-2.605	-2.405	147

<<<Statistics>>> Mean: 10.7364 Std Dev: 0.9020 RSD: 8.40

Reviewed By:Iwona
On:1/10/2025 10:32:07 AM
Inst Id :Appolo-9000
LB :LB134199

Sample ID: P5407-01 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 17:38
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.6109	4.8054	336406	-2.659	-2.460	204
2	9.6034	4.8017	336144	-2.648	-2.449	189
3	9.6081	4.8041	336311	-2.650	-2.451	188
4	9.4958	4.7479	332377	-2.632	-2.433	186

<<<Statistics>>> Mean: 9.5795 Std Dev: 0.0559 RSD: 0.58

Sample ID: P5407-01MS Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 18:06
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	19.3566	9.6783	677534	-2.700	-2.500	189
2	19.1918	9.5959	671764	-2.716	-2.516	182
3	19.8569	9.9284	695044	-2.735	-2.535	191
4	20.0964	10.0482	703427	-2.766	-2.566	203

<<<Statistics>>> Mean: 19.6254 Std Dev: 0.4226 RSD: 2.15

Sample ID: P5407-01MSD Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 18:35
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	19.5898	9.7949	685696	-2.841	-2.643	194
2	20.1121	10.0560	703976	-2.839	-2.640	197
3	20.1739	10.0869	706139	-2.852	-2.653	197
4	19.7996	9.8998	693039	-2.859	-2.659	191

<<<Statistics>>> Mean: 19.9188 Std Dev: 0.2738 RSD: 1.37

Sample ID: P5407-02 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 19:01
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	3.9258	1.9629	137412	-2.992	-2.793	148
2	3.6421	1.8211	127484	-2.942	-2.743	156
3	3.7345	1.8672	130717	-2.953	-2.757	139
4	3.8085	1.9043	133308	-2.947	-2.747	152

<<<Statistics>>> Mean: 3.7777 Std Dev: 0.1199 RSD: 3.17

Sample ID: P5407-03 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 20:18

Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.4934	1.2467	87277	-2.986	-2.787	139
2	2.4047	1.2024	84172	-2.999	-2.801	134
3	2.9235	1.4617	102329	-2.942	-2.742	184
4	2.6201	1.3101	91711	-2.921	-2.722	136

<<<Statistics>>> Mean: 2.6104 Std Dev: 0.2267 RSD: 8.68

Sample ID: P5407-04 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 20:43
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	2.6912	1.3456	94201	-3.099	-2.901	138
2	2.7139	1.3569	94993	-3.038	-2.841	135
3	2.8637	1.4319	100237	-3.005	-2.805	134
4	2.8100	1.4050	98358	-2.991	-2.792	135

<<<Statistics>>> Mean: 2.7697 Std Dev: 0.0811 RSD: 2.93

Sample ID: P5407-05 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC W
ATER 0-20PPM Timestamp: 2025/01/08 21:09
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	13.4799	6.7399	471831	-3.055	-2.855	167
2	13.4470	6.7235	470681	-3.053	-2.855	164
3	13.8027	6.9013	483131	-3.019	-2.820	155
4	13.8852	6.9426	486020	-3.021	-2.822	157

<<<Statistics>>> Mean: 13.6537 Std Dev: 0.2227 RSD: 1.63

Sample ID: P5407-06 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 21:35
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	16.0193	8.0096	560717	-3.050	-2.851	152
2	16.3633	8.1816	572759	-2.977	-2.777	143
3	17.0268	8.5134	595983	-3.008	-2.808	152
4	16.7591	8.3796	586615	-2.967	-2.769	141

<<<Statistics>>> Mean: 16.5421 Std Dev: 0.4425 RSD: 2.67

Sample ID: CCV2 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 22:25
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning	Ending	Integration

				Baseline	Baseline	Time
1	10.4990	5.2495	367492	-3.185	-2.986	158
2	8.8374	4.4187	309331	-3.138	-2.942	145
3	8.7320	4.3660	305644	-3.156	-2.957	146
4	8.6830	4.3415	303929	-3.185	-2.987	146

<<<Statistics>>> Mean: 9.1878 Std Dev: 0.8765 RSD: 9.54

Sample ID: CCB2 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/08 22:48
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.3756	0.1878	13148	-3.217	-3.019	103
2	0.4664	0.2332	16324	-3.223	-3.028	105
3	0.4629	0.2314	16202	-3.227	-3.028	104
4	0.4279	0.2139	14976	-3.225	-3.026	102

<<<Statistics>>> Mean: 0.4332 Std Dev: 0.0422 RSD: 9.73

Sample ID: P5407-07 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/09 00:03
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	24.4857	12.2429	857065	-3.066	-2.867	196
2	24.2074	12.1037	847324	-3.123	-2.923	188
3	24.9884	12.4942	874662	-3.095	-2.897	203
4	25.5141	12.7570	893062	-3.111	-2.911	199

<<<Statistics>>> Mean: 24.7989 Std Dev: 0.5760 RSD: 2.32

Sample ID: P5410-01 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/09 00:29
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	12.1108	6.0554	423910	-3.176	-2.979	163
2	12.7614	6.3807	446682	-3.125	-2.927	161
3	12.9852	6.4926	454517	-3.123	-2.924	156
4	13.0334	6.5167	456205	-3.100	-2.902	156

<<<Statistics>>> Mean: 12.7227 Std Dev: 0.4248 RSD: 3.34

Sample ID: P5410-02 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/09 00:54
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	6.7164	3.3582	235093	-3.193	-2.995	150
2	6.7595	3.3797	236600	-3.164	-2.966	141
3	6.7512	3.3756	236311	-3.191	-2.992	142

4	6.9292	3.4646	242539	-3.194	-2.995	138

<<<Statistics>>> Mean: 6.7891 Std Dev: 0.0953 RSD: 1.40

Sample ID: P5410-03 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/09 01:20
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	8.1780	4.0890	286253	-3.221	-3.023	156
2	8.6441	4.3221	302567	-3.195	-2.997	145
3	8.8478	4.4239	309697	-3.193	-2.995	145
4	8.9249	4.4625	312397	-3.169	-2.971	155

<<<Statistics>>> Mean: 8.6487 Std Dev: 0.3354 RSD: 3.88

Sample ID: P5410-04 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01081558
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/09 01:45
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.3421	4.6711	327000	-3.225	-3.026	149
2	9.1096	4.5548	318859	-3.170	-2.970	139
3	9.4732	4.7366	331588	-3.198	-3.001	142
4	9.3747	4.6874	328141	-3.202	-3.004	148

<<<Statistics>>> Mean: 9.3249 Std Dev: 0.1540 RSD: 1.65

Sample ID: P5407-07DLX2 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01090923
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/09 09:49
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	13.9588	6.9794	488594	-3.642	-3.443	189
2	13.3346	6.6673	466748	-3.598	-3.400	159
3	13.8045	6.9022	483194	-3.641	-3.443	163
4	12.8304	6.4152	449098	-3.606	-3.407	168

<<<Statistics>>> Mean: 13.4821 Std Dev: 0.5091 RSD: 3.78

Sample ID: CCV3 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01090923
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/09 10:15
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	21.3251	10.6626	746436	-3.603	-3.404	169
2	21.1254	10.				
5627	739446	-3.509	-3.311	160		
3	20.9427	10.4713	733050	-3.483	-3.283	154
4	20.5381	10.2691	718889	-3.399	-3.199	141

<<<Statistics>>> Mean: 20.9828 Std Dev: 0.3351 RSD: 1.60

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Sample ID: CCB3 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 01090923
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/01/09 10:37
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.5020	0.2510	17571	-3.507	-3.310	103
2	0.2857	0.1428	9999	-3.494	-3.295	104
3	0.4788	0.2394	16759	-3.508	-3.308	102
4	0.2606	0.1303	9122	-3.469	-3.269	104

<<<Statistics>>> Mean: 0.3818 Std Dev: 0.1262 RSD: 33.06

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Reviewed By:Iwona
On:1/10/2025 10:32:07 AM
Inst Id :Appolo-9000
LB :LB134199

Sample Results Report Print Date/Time: 2024/12/30 16:34:48

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
0.0PPM	6236	5833	93.53	TOC	
0.5PPM	29722	16922	56.93	TOC	
1.0PPM	51322	2525	4.92	TOC	
2.0PPM.....	81698...	3837..	4.70...	TOC	..
5.0PPM	187097	8217	4.39	TOC	
10.0PPM	346620	16682	4.81	TOC	
20.0PPM.....	715994...	6561..	0.92...	TOC	..
ICV1	10.2420	0.1770	1.73	TOC	
ICB1	0.1702	0.0360	21.14	TOC	
IC-20.....	0.1397...	0.0264..	18.89...	TOC	..
IC-R	0.1956	0.0474	24.23	TOC	

Reviewed By:Iwona
On:1/10/2025 10:32:07 AM
Inst Id :Appolo-9000
LB :LB134199

Sample Results Report Print Date/Time: 2024/12/30 16:34:48

Method ID	Sample Type	Vial	Timestamp	Message
TOC 0 - 20 ppmC	TOC Standard	1	2024/12/27 12:55	Low Sample Detected
TOC 0 - 20 ppmC	TOC Standard	2	2024/12/27 13:20	
TOC 0 - 20 ppmC	TOC Standard	1	2024/12/27 14:34	
TOC 0 - 20 ppmC	...TOC Standard ..	1..	2024/12/27 15:29 ..	
TOC 0 - 20 ppmC	TOC Standard	5	2024/12/27 15:58	
TOC 0 - 20 ppmC	TOC Standard	6	2024/12/27 16:28	
TOC 0 - 20 ppmC	...TOC Standard ..	7..	2024/12/27 16:59 ..	
TOC 0 - 20 ppmC	Sample	1	2024/12/27 17:29	
TOC 0 - 20 ppmC	Sample	13	2024/12/27 18:17	Low Sample Detected
TOC 0 - 20 ppmC	...Sample ..	13..	2024/12/27 18:40	..Low Sample Detected
TOC 0 - 20 ppmC	Sample	8	2024/12/27 19:04	Low Sample Detected

Detailed Analysis Report Print Date/Time: 2024/12/30 16:35:21

Sample ID: 0.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 12271233
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2024/12/27 12:55
Operator ID: NF IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			11836	-3.572	-3.385	120
2			367	-3.366	-3.270	120
3			2115	-3.367	-3.248	120
4			10628	-3.392	-3.107	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 6236 Std Dev: 5833 RSD: 93.53

Sample ID: 0.5PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 12271233
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2024/12/27 13:20
Operator ID: NF IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			44013	-3.562	-3.364	179
2			42817	-3.502	-3.304	172
3			23394	-3.459	-3.260	114
4			8666	-3.281	-3.082	103

<<<Statistics>>> Mean: 29722 Std Dev: 16922 RSD: 56.93

Sample ID: 1.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 12271233
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2024/12/27 14:34
Operator ID: NF IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			48442	-3.429	-3.229	158
2			50032	-3.418	-3.220	175
3			52912	-3.419	-3.220	172
4			53900	-3.418	-3.218	162

<<<Statistics>>> Mean: 51322 Std Dev: 2525 RSD: 4.92

Sample ID: 2.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 12271233
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2024/12/27 15:29
Operator ID: NF IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			80734	-3.530	-3.330	180
2			76967	-3.475	-3.278	195
3			86069	-3.478	-3.279	198
4			83023	-3.463	-3.263	182

<<<Statistics>>> Mean: 81698 Std Dev: 3837 RSD: 4.70

Reviewed By:Iwona
On:1/10/2025 10:32:07 AM
Inst Id :Appolo-9000
LB :LB134199

Sample ID: 5.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 12271233
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2024/12/27 15:58
Operator ID: NF IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			194761	-3.459	-3.259	199
2			188462	-3.479	-3.280	190
3			175469	-3.460	-3.261	185
4			189695	-3.478	-3.280	200

<<<Statistics>>> Mean: 187097 Std Dev: 8217 RSD: 4.39

Sample ID: 10.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 12271233
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2024/12/27 16:28
Operator ID: NF IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			333314	-3.418	-3.221	198
2			332531	-3.412	-3.213	220
3			366803	-3.410	-3.212	205
4			353830	-3.336	-3.138	222

<<<Statistics>>> Mean: 346620 Std Dev: 16682 RSD: 4.81

Sample ID: 20.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 12271233
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2024/12/27 16:59
Operator ID: NF IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			719345	-3.351	-3.151	233
2			707132	-3.283	-3.084	219
3			715272	-3.283	-3.084	232
4			722228	-3.300	-3.100	240

<<<Statistics>>> Mean: 715994 Std Dev: 6561 RSD: 0.92

Sample ID: ICV1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 12271233
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2024/12/27 17:29
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.0872	5.0436	353078	-3.263	-3.063	218
2	10.4896	5.2448	367165	-3.214	-3.017	221
3	10.1484	5.0742	355220	-3.212	-3.013	226
4	10.2428	5.1214	358527	-3.230	-3.032	220

<<<Statistics>>> Mean: 10.2420 Std Dev: 0.1770 RSD: 1.73

Sample ID: ICB1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 12271233
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2024/12/27 18:17
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2082	0.1041	7289	-3.295	-3.267	120
2	0.1933	0.0966	6765	-3.284	-3.263	120
3	0.1353	0.0676	4735	-3.268	-3.250	120
4	0.1440	0.0720	5040	-3.275	-3.270	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.1702 Std Dev: 0.0360 RSD: 21.14

Sample ID: IC-20 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 12271233
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2024/12/27 18:40
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1255	0.0628	4394	-3.303	-3.272	120
2	0.1195	0.0598	4184	-3.286	-3.283	120
3	0.1359	0.0679	4755	-3.272	-3.270	120
4	0.1780	0.0890	6229	-3.270	-3.274	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.1397 Std Dev: 0.0264 RSD: 18.89

Sample ID: IC-R Mode: TOC
Method:
TOC 0 - 20 ppmC Filename: 12271233
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2024/12/27 19:04
Operator ID: NF IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1980	0.0990	6930	-3.302	-3.268	120
2	0.2356	0.1178	8246	-3.301	-3.252	120
3	0.2204	0.1102	7716	-3.292	-3.266	120
4	0.1284	0.0642	4494	-3.279	-3.298	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.1956 Std Dev: 0.0474 RSD: 24.23

Calibration Report Print Date/Time: 2024/12/30 10:20:39

Cal. Curve ID: TOC WATER 0-20PPM
Created: 2024/12/30 10:20
Calibration Factor (m): 7.001e+04
Y Intercept (b): 10155
r-squared: 0.99928

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message (Re)	Date & Time
0.0PPM	6237	0.000	-0.056	–	2024/12/27 12:55
0.5PPM	29723	0.250	0.280	12.0	2024/12/27 13:20
1.0PPM	51322	0.500	0.588	17.6	2024/12/27 14:34
2.0PPM	81698	1.000	1.022	2.2	2024/12/27 15:29
5.0PPM	187097	2.500	2.528	1.1	2024/12/27 15:58
10.0PPM	346619	5.000	4.806	-3.9	2024/12/27 16:28
20.0PPM	715994	10.000	10.083	0.8	2024/12/27 16:59

12
12/30/24

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

Instrument ID: TOC

Daily Analysis Runlog For Sequence/QCBatch ID # LB134199

Review By	Niha	Review On	1/10/2025 10:31:09 AM
Supervise By	Iwona	Supervise On	1/10/2025 10:32:07 AM
SubDirectory	LB134199	Test	TOC

STD. NAME	STD REF.#
ICAL Standard	WP111255,WP111256,WP111257,WP111258,WP111259,WP111260
ICV Standard	WP111262
CCV Standard	WP111313
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP111314
Chk Standard	WP109953,WP111267,WP111268

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	12/27/24 12:55		NF IZ	OK
2	0.5PPM	0.5PPM	CAL2	12/27/24 13:20		NF IZ	OK
3	1.0PPM	1.0PPM	CAL3	12/27/24 14:34		NF IZ	OK
4	2.0PPM	2.0PPM	CAL4	12/27/24 15:01		NF IZ	OK
5	5.0PPM	5.0PPM	CAL5	12/27/24 15:58		NF IZ	OK
6	10.0PPM	10.0PPM	CAL6	12/27/24 16:28		NF IZ	OK
7	20.0PPM	20.0PPM	CAL7	12/27/24 16:59		NF IZ	OK
8	ICV1	ICV1	ICV	12/27/24 17:29		NF IZ	OK
9	ICB1	ICB1	ICB	12/27/24 17:53		NF IZ	OK
10	IC-20	IC-20	SAM	12/27/24 18:40		NF IZ	OK
11	IC-R	IC-R	SAM	12/27/24 19:04		NF IZ	OK
12	CCV1	CCV1	CCV	01/08/25 15:56		NF IZ	OK
13	CCB1	CCB1	CCB	01/08/25 16:21		NF IZ	OK
14	LB134199BLW	LB134199BLW	MB	01/08/25 16:44		NF IZ	OK
15	LB134199BSW	LB134199BSW	LCS	01/08/25 17:10		NF IZ	OK
16	P5407-01	2412-0430-001	SAM	01/08/25 17:38		NF IZ	OK
17	P5407-01MS	2412-0430-001MS	MS	01/08/25 18:06	2.0ml WP111311+38.0ml Sample	NF IZ	OK
18	P5407-01MSD	2412-0430-001MSD	MSD	01/08/25 18:35	2.0ml WP111311+38.0ml Sample	NF IZ	OK

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

Instrument ID: TOC

Daily Analysis Runlog For Sequence/QCBatch ID # LB134199

Review By	Niha	Review On	1/10/2025 10:31:09 AM
Supervise By	Iwona	Supervise On	1/10/2025 10:32:07 AM
SubDirectory	LB134199	Test	TOC

STD. NAME	STD REF.#
ICAL Standard	WP111255,WP111256,WP111257,WP111258,WP111259,WP111260
ICV Standard	WP111262
CCV Standard	WP111313
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP111314
Chk Standard	WP109953,WP111267,WP111268

19	P5407-02	2412-0430-002	SAM	01/08/25 19:01		NF IZ	OK
20	P5407-03	2412-0430-003	SAM	01/08/25 20:18		NF IZ	OK
21	P5407-04	2412-0430-004	SAM	01/08/25 20:43		NF IZ	OK
22	P5407-05	2412-0430-005	SAM	01/08/25 21:09		NF IZ	OK
23	P5407-06	2412-0430-006	SAM	01/08/25 21:35		NF IZ	OK
24	CCV2	CCV2	CCV	01/08/25 22:25		NF IZ	OK
25	CCB2	CCB2	CCB	01/08/25 22:48		NF IZ	OK
26	P5407-07	2412-0430-007	SAM	01/09/25 00:03	High	NF IZ	Dilution
27	P5410-01	OUTFALL-003	SAM	01/09/25 00:29		NF IZ	OK
28	P5410-02	OUTFALL-005	SAM	01/09/25 00:54		NF IZ	OK
29	P5410-03	OUTFALL-007	SAM	01/09/25 01:20		NF IZ	OK
30	P5410-04	INFLOW-007	SAM	01/09/25 01:45		NF IZ	OK
31	P5407-07DL	2412-0430-007DL	SAM	01/09/25 09:49	Report 2X	NF IZ	Confirms
32	CCV3	CCV3	CCV	01/09/25 10:15		NF IZ	OK
33	CCB3	CCB3	CCB	01/09/25 10:37		NF IZ	OK

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

Prep Standard - Chemical Standard Summary

Order ID : P5410

Test : TOC

Prepbatch ID :

Sequence ID/Qc Batch ID: LB134199,

Standard ID :
WP109217,WP109218,WP109953,WP110767,WP111253,WP111254,WP111255,WP111256,WP111257,WP111258,WP111259,WP111260,WP111262,WP111263,WP111264,WP111265,WP111266,WP111267,WP111268,WP111311,WP111312,WP111313,WP111314,

Chemical ID :
M5501,M6041,W1993,W2647,W2784,W2800,W2860,W3016,W3017,W3018,W3020,W3022,W3058,W3111,W3112,

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

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2050	TOC STOCK STD, 4000PPM	WP109217	08/07/2024	01/18/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	WETCHEM_PIPETTE_3 (WC)	Mohan Bera 08/16/2024

FROM 5.00000ml of W2860 + 8.51200gram of W3111 + 990.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2051	TOC STOCK STD-SS, 4000PPM	WP109218	08/07/2024	02/07/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	WETCHEM_PIPETTE_3 (WC)	Mohan Bera 08/16/2024

FROM 5.00000ml of W2860 + 8.51200gram of W2784 + 990.00000ml of W3112 = Final Quantity: 1000.000 ml

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

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
613	Phosphoric acid reagent	WP109953	09/25/2024	03/25/2025	Niha Farheen Shaik	None	None	Iwona Zarych 09/27/2024

FROM 150.00000ml of W3112 + 50.00000ml of W2860 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3886	Inorganic carbon stock solution, 1000ppm	WP110767	11/20/2024	05/20/2025	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCSC-5)	None	Mohan Bera 11/21/2024

FROM 3.49700gram of W2647 + 4.41220gram of W3058 + 993.00000ml of W3112 = Final Quantity: 1000.000 ml

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

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3888	TOC Water Intermediate std-200ppm	WP111253	12/27/2024	01/03/2025	Niha Farheen Shaik	None	None	Iwona Zarych 01/02/2025

FROM 95.00000ml of W3112 + 5.00000ml of WP109217 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3889	TOC Water Intermediate std SS-200ppm	WP111254	12/27/2024	01/03/2025	Niha Farheen Shaik	None	None	Iwona Zarych 01/02/2025

FROM 95.00000ml of W3112 + 5.00000ml of WP109218 = Final Quantity: 100.000 ml

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

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
304	TOC CAL 0.00ppm	WP111255	12/27/2024	01/03/2025	Niha Farheen Shaik	None	None	Iwona Zarych 01/02/2025

FROM 100.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
305	TOC CAL 0.5ppm	WP111256	12/27/2024	01/03/2025	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 01/02/2025

FROM 99.75000ml of W3112 + 0.25000ml of WP111253 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
306	TOC CAL 1.0PPM	WP111257	12/27/2024	01/03/2025	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 01/02/2025

FROM 99.50000ml of W3112 + 0.50000ml of WP111253 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
307	TOC CAL 2.0PPM	WP111258	12/27/2024	01/03/2025	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 01/02/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP111253 = Final Quantity: 100.000 ml

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

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
308	TOC CAL 5.0PPM	WP111259	12/27/2024	01/03/2025	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 01/02/2025

FROM 97.50000ml of W3112 + 2.50000ml of WP111253 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
310	TOC CAL 20.0PPM	WP111260	12/27/2024	01/03/2025	Niha Farheen Shaik	None	None	Iwona Zarych 01/02/2025

FROM 90.00000ml of W3112 + 10.00000ml of WP111253 = Final Quantity: 100.000 ml

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1650	TOC ICV/LCS STD. 10PPM	WP111262	12/27/2024	01/03/2025	Niha Farheen Shaik	None	None	Iwona Zarych 01/02/2025

FROM 190.00000ml of W3112 + 10.00000ml of WP111254 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4003	Solution A	WP111263	12/27/2024	12/31/2024	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 01/02/2025

FROM 1000.00000ml of W3112 + 2.56500gram of W3018 = Final Quantity: 1000.000 ml

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4004	Solution B	WP111264	12/27/2024	01/03/2025	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 01/02/2025

FROM 0.24800gram of W3020 + 0.28100gram of M5501 + 0.28300gram of W2800 + 0.59400gram of W1993 + 1000.00000ml of W3112 + 2.05000gram of W3017 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4005	Solution C	WP111265	12/27/2024	01/03/2025	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 01/02/2025

FROM 0.70500gram of W3016 + 1000.00000ml of W3112 + 2.80600gram of W2647 = Final Quantity: 1000.000 ml

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

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4006	Solution D	WP111266	12/27/2024	01/03/2025	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 01/02/2025

FROM 1.86200gram of W3022 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4007	IC-removal check solution	WP111267	12/27/2024	12/31/2024	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 01/02/2025

FROM 0.04000ml of M6041 + 10.00000ml of WP111263 + 10.00000ml of WP111264 + 10.00000ml of WP111265 + 10.00000ml of WP111266 = Final Quantity: 40.000 ml

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3887	Inorganic carbon solution, 20ppm	WP111268	12/27/2024	01/03/2025	Niha Farheen Shaik	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 01/02/2025

FROM 49.00000ml of W3112 + 1.00000ml of WP110767 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3888	TOC Water Intermediate std-200ppm	WP111311	01/03/2025	01/10/2025	Niha Farheen Shaik	None	Glass Pipette-A	Iwona Zarych 01/09/2025

FROM 95.00000ml of W3112 + 5.00000ml of WP109217 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3889	TOC Water Intermediate std SS-200ppm	WP111312	01/03/2025	01/10/2025	Niha Farheen Shaik	None	Glass Pipette-A	Iwona Zarych 01/09/2025

FROM 95.00000ml of W3112 + 5.00000ml of WP109218 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3331	TOC CAL-CCV std, 10PPM	WP111313	01/03/2025	01/10/2025	Niha Farheen Shaik	None	Glass Pipette-A	Iwona Zarych 01/09/2025

FROM 190.00000ml of W3112 + 10.00000ml of WP111311 = Final Quantity: 200.000 ml

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Fax : 908 789 8922

Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1650	TOC ICV/LCS STD. 10PPM	WP111314	01/03/2025	01/10/2025	Niha Farheen Shaik	None	Glass Pipette-A	Iwona Zarych 01/09/2025

FROM 190.00000ml of W3112 + 10.00000ml of WP111312 = Final Quantity: 200.000 ml

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3624-05 / Sodium Chloride, Crystal (cs/4x2.5kg)	0000281938	07/06/2026	07/24/2023 / mohan	04/14/2023 / mohan	M5501

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	08/16/2024 / mohan	08/16/2024 / mohan	M6041

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0660-1 / AMMONIUM CHLORIDE, ACS, 500G	XE09B	04/08/2025	04/08/2015 / apatel	04/08/2015 / apatel	W1993

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3506-5 / SODIUM BICARBONATE, PWD, ACS, 2.5KG	0000240594	06/03/2026	02/24/2020 / AMANDEEP	01/20/2020 / apatel	W2647

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 #
PCI Scientific Supply, Inc.	J3040-1 / POTASSIUM CHLORIDE, CRYS, ACS, 500G	198947	09/30/2025	03/08/2021 / apatel	03/08/2021 / apatel	W2800

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0260-3 / Phosphoric Acid, 2.5 L	0000278313	01/31/2026	07/12/2021 / apatel	07/12/2021 / apatel	W2860

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
SIGMA ALDRICH	S9390-100G / Sodium phosphate dibasic heptahydrate	SLCP6576	11/30/2025	04/03/2023 / Iwona	04/03/2023 / Iwona	W3016

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
SIGMA ALDRICH	C7902-500G / Calcium chloride dihydrate - 500G	SLCP4280	08/31/2025	04/03/2023 / Iwona	04/03/2023 / Iwona	W3017

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J2500-1 / MAGNESIUM SULFATE 7-HYDRATE CRYSTALS 500G	SLCN3621	12/31/2024	04/03/2023 / Iwona	04/03/2023 / Iwona	W3018

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Thermo Fisher Scientific	012364.36 / Calcium nitrate tetrahydrate, ACS, 99.0-103.0%	MKCS4612	09/30/2025	04/03/2023 / Iwona	04/03/2023 / Iwona	W3020

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
SIGMA ALDRICH	S4392-250G / Sodium metasilicate nonahydrate	SLCM8472	03/31/2025	04/05/2023 / Iwona	04/05/2023 / Iwona	W3022

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EM-SX0395-3 / SODIUM CARBONATE ANHYDR 2.5KG	2023012653	10/19/2028	09/03/2024 / jignesh	10/19/2023 / Iwona	W3058

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	24A1956910	01/18/2025	06/26/2024 / Iwona	06/26/2024 / Iwona	W3111

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 / Iwona	07/03/2024 / Iwona	W3112

Certificate of Analysis

Date of Release: ***5/12/2014***

Product: ***Ammonium Chloride GR ACS*** ***Catalog No.:*** ***AX1270 all size codes***

Grade: ***Meets ACS Specifications*** ***CAS #:*** ***12125-02-9***

Country of Origin: ***India*** ***FW:*** ***53.49***

Lot No.: ***XE09B*** ClH_4N

Characteristic	Requirement Minimum	Maximum	Results	UOM
Assay (argentometric)	99.5		99.8	%
Calcium (Ca)		0.001	0.0001	%
Form	White crystals		White crystals	
Heavy metals (as Pb)		5	5	ppm
Identification	To pass test		Passes	
Insoluble matter		0.005	0.002	%
Iron (Fe)		2	2	ppm
Loss on drying (105 C)		0.5	0.22	%
Magnesium (Mg)		5	0.7	ppm
pH of a 5% solution at 25 C	4.5	5.5	4.95	
Phosphate (PO4)		2	2	ppm
Residue after ignition		0.01	0.002	%
Sulfate (SO4)		0.002	0.002	%

Joe Schoellkopff

Quality Control Manager

This document has been produced electronically and is valid without a signature.

EMD Millipore Corporation
290 Concord Road
Billerica, MA 01821

Sodium Bicarbonate, Powder
BAKER ANALYZED® A.C.S. Reagent

(sodium hydrogen carbonate)

Material No.: 3506-05
Batch No.: 0000240594
Manufactured Date: 2019/06/05
Retest Date: 2026/06/03
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay ($NaHCO_3$) (dried basis)	99.7 - 100.3 %	100.1
Insoluble Matter	<= 0.015 %	< 0.002
Chloride (Cl)	<= 0.003 %	0.003
Phosphate (PO_4)	<= 0.001 %	0.001
Sulfur Compounds (as SO_4)	<= 0.003 %	0.003
Calcium (Ca)	<= 0.02 %	0.02
Trace Impurities - Iron (Fe)	<= 0.001 %	0.001
Magnesium (Mg)	<= 0.005 %	0.005
Potassium (K)	<= 0.005 %	0.005
Ammonium (NH_4)	<= 5 ppm	5
Trace Impurities - ACS - Heavy Metals (as Pb)	<= 5 ppm	5

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Phosphoric Acid
BAKER ANALYZED® A.C.S. Reagent

(orthophosphoric acid)

Material No.: 0260-03
Batch No.: 0000278313
Manufactured Date: 2021/02/01
Retest Date: 2026/01/31
Revision No: 2

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (H_3PO_4) (by acidimetry)	85.0 - 87.0 %	85.8
Calcium (Ca)	<= 0.002 %	< 0.001
Color (APHA)	<= 10	5
Insoluble Matter	<= 0.001 %	< 0.001
ACS - Magnesium (Mg)	<= 0.002 %	<0.002
Sulfate (SO_4)	<= 12 ppm	< 4
Volatile Acids (as CH_3COOH)	<= 0.001 %	0.001
Reducing Substances	Passes Test	PT
Chloride (Cl)	<= 3 ppm	< 1
Nitrate (NO_3)	<= 5 ppm	< 2
Trace Impurities - Antimony (Sb)	<= 20.000 ppm	0.007
Trace Impurities - Arsenic (As)	<= 0.500 ppm	< 0.001
Trace Impurities - Iron (Fe)	<= 10.000 ppm	< 1.000
Heavy Metals (as Pb)	<= 8 ppm	< 3
Trace Impurities - Manganese (Mn)	<= 0.500 ppm	0.005
Trace Impurities - Potassium (K)	<= 40.000 ppm	< 0.001
Trace Impurities - Sodium (Na)	<= 200.000 ppm	0.082

For Laboratory, Research or Manufacturing Use
Exceeds A.C.S. Specifications
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Sigma-Aldrich.

W3016
Rec 04/03/23 12

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Sodium phosphate dibasic heptahydrate - ACS reagent, 98.0-102.0%

$Na_2HPO_4 \cdot 7H_2O$

Product Number:	**S9390**
Batch Number:	**SLCP6576**
Brand:	SIGALD
CAS Number:	7782-85-6
MDL Number:	MFCD00149180
Formula:	HNa2O4P · 7H2O
Formula Weight:	268.07 g/mol
Quality Release Date:	02 NOV 2022
Recommended Retest Date:	NOV 2025

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Assay	98.0 - 102.0 %	99.8 %
Insoluble Matter	≤ 0.005 %	0.003 %
Chloride (Cl) < or = 0.001%	Pass	Pass
Sulfate < or = 0.005%	Pass	Pass
Iron (Fe) < or = 0.001%	Pass	Pass
Heavy Metals by ICP	< = 0.001%	< 0.001%
pH of 5% solution at 25 deg C	8.7 - 9.3	9.2
Note ACS Tests	_____	_____

Brian Dulle, Supervisor
Quality Assurance
St. Louis, Missouri US

Sigma-Aldrich

W3017
Rec 4/3/23 12

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Calcium chloride dihydrate - BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, ≥99.0%

$CaCl_2 \cdot 2H_2O$

Product Number:	**C7902**
Batch Number:	**SLCP4280**
Brand:	SIGMA
CAS Number:	10035-04-8
MDL Number:	MFCD00149613
Formula:	CaCl2 · 2H2O
Formula Weight:	147.01 g/mol
Quality Release Date:	14 NOV 2022
Recommended Retest Date:	AUG 2025

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity) 294 mg/mL, H2O	Clear	Clear
Titration with EDTA	99.0 - 105.0 %	103.3 %
Cell Culture Test	Pass	Pass
Insect Cell Test	Pass	Pass
Plant Cell Culture Test	Pass	Pass

Brian Dulle, Supervisor
Quality Assurance
St. Louis, Missouri US

Sigma-Aldrich

W3018
Rec. 4/3/23

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Magnesium sulfate heptahydrate - ReagentPlus®, ≥99.0%

Product Number:	**M1880**
Batch Number:	**SLCN3621**
Brand:	SIGALD
CAS Number:	10034-99-8
MDL Number:	MFCD00149785
Formula:	MgO4S · 7H2O
Formula Weight:	246.47 g/mol
Quality Release Date:	04 MAY 2022
Recommended Retest Date:	DEC 2024

$MgSO_4 \cdot 7H_2O$

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity) 100 mg/mL, H2O	Clear	Clear
Titration with EDTA	≥ 99.0 %	100.6 %

Brian Dulle

Brian Dulle, Supervisor
Quality Assurance
St. Louis, Missouri US

Sigma-Aldrich.

W 3020
Rec. 4/3/23
12

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Calcium nitrate tetrahydrate - ACS reagent, 99%

Product Number:	**237124**
Batch Number:	**MKCS4612**
Brand:	SIGALD
CAS Number:	13477-34-4
MDL Number:	MFCD00149604
Formula:	CaN2O6 · 4H2O
Formula Weight:	236.15 g/mol
Quality Release Date:	27 FEB 2023
Recommended Retest Date:	SEP 2025

$Ca(NO_3)_2 \cdot 4H_2O$

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form) Granular Powder or Crystals or Flakes	Conforms to Requirements	Crystals
Complexometric EDTA	99.0 - 103.0 %	99.6 %
X-Ray Diffraction	Conforms to Structure	Conforms
pH c = 5%, Water, 25 Deg C	5.0 - 7.0	5.4
Insoluble Matter c = 10%, Water	≤ 0.005 %	< 0.001 %
Chloride Content	≤ 0.005 %	< 0.005 %
Nitrite (NO2)	≤ 0.001 %	< 0.001 %
Sulfate (SO4)	≤ 0.002 %	< 0.002 %
Barium	≤ 0.005 %	< 0.001 %
Heavy Metals by ICP-OES	≤ 5.0 ppm	< 1.0 ppm
Iron (Fe)	≤ 5.0 ppm	< 1.0 ppm
Magnesium (Mg)	≤ 0.05 %	< 0.01 %
Potassium (K)	≤ 0.005 %	< 0.001 %
Sodium (Na)	≤ 0.01 %	< 0.01 %
Strontium (Sr)	≤ 0.05 %	< 0.01 %
Meets ACS Requirements	Current ACS Specification	Conforms

W3020

Sigma-Aldrich.

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Number: 237124
Batch Number: MKCS4612

Test	Specification	Result
Recommended Retest Period 3 Years	_____	_____

Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich.

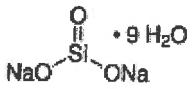
W 3022
Rec. 4/5/23 12

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Sodium metasilicate nonahydrate - ≥98%

Product Number:	**S4392**
Batch Number:	**SLCM8472**
Brand:	ALDRICH
CAS Number:	13517-24-3
MDL Number:	MFCD00149175
Formula:	Na2O3Si · 9H2O
Formula Weight:	284.20 g/mol
Quality Release Date:	14 MAR 2022
Recommended Retest Date:	MAR 2025



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity) 50 mg/ml, H2O	Clear	Clear
Titration with HCl	≥ 98 %	100 %

Brian Dulle, Supervisor
Quality Assurance
St. Louis, Missouri US

Certificate Of Analysis

W 3058
Rec. 10/19/23 12

Date of Release: 1/27/2023

Name: **Sodium Carbonate, Anhydrous**
Powder, ACS
Item No: **SX0395 All Sizes**
Lot / Batch No: **2023012653**
Country of Origin: **India**

Item	Specifications	Analysis
Assay (calculated on dried substance)	99.5% min.	100.2%
Calcium (Ca)	0.03% max.	0.004%
Chloride (Cl)	0.001% max.	<0.001%
Color	White	Passes Test
Form	Powder	Passes Test
Heavy metals (by ICP-OES)	5 ppm max.	<5 ppm
Insoluble Matter	0.01% max.	0.003%
Iron (Fe)	5 ppm max.	<5 ppm
Loss on heating at 285C	1.0% max.	0.1%
Magnesium (Mg)	0.005% max.	0.0008%
Phosphate (PO4)	0.001% max.	<0.001%
Potassium (K)	0.005% max.	0.003%
Silica (SiO2)	0.005% max.	<0.005%
Sulfur compounds (as SO4)	0.003% max.	<0.003%

Joe Schoellkopff

Quality Control Manager

This document has been produced electronically and is valid without a signature.

EMD Millipore is a division of Merck KGaA, Darmstadt, Germany

EMD Millipore Corporation
400 Summit Drive
Burlington, MA 01803
U.S.A.

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	P217	Quality Test / Release Date	09/03/2020
Lot Number	198947		
Description	POTASSIUM CHLORIDE, A.C.S.		
Country of Origin	United States	Suggested Retest Date	Sep/2025
Chemical Origin	Inorganic-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	%	Inclusive Between 99.0 - 100.5	99.7
BARIUM (Ba)	PASS/FAIL	= P.T. (ABOUT 0.001%)	P.T. (ABOUT 0.001%)
BROMIDE	%	<= 0.01	<0.01
CALCIUM	%	<= 0.002	<0.002
CHLORATE & NITRATE	%	<= 0.003	<0.001
HEAVY METALS (as Pb)	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
INSOLUBLE MATTER	%	<= 0.005	<0.005
IODIDE	%	<= 0.002	<0.002
IRON (Fe)	ppm	<= 2	<1
MAGNESIUM	%	<= 0.001	<0.0005
PH 5% SOLUTION @ 25 DEG C		Inclusive Between 5.4 - 8.6	6.0
PHOSPHATE (PO4)	ppm	<= 5	<5
SODIUM (Na)	%	<= 0.005	<0.005
SULFATE (SO4)	%	<= 0.001	<0.001

Julian Burton

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.

Certificate of Analysis

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

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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

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.

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

M5497 – M5508
Rec'd on 4/14/23
[illegible]

avantor™ | J.T.Baker®

Material No.: 3624-01
Batch No.: 0000281938
Manufactured Date: 2021-06-07
Retest Date: 2026-06-07
Revision No.: 2

Certificate of Analysis

Test	Specification	Result
Assay (NaCl) (by Ag titrn)	≥ 99.0 %	100.0 %
pH of 5% Solution at 25°C	5.0 - 9.0	6.3
Insoluble Matter	≤ 0.005 %	0.003 %
Iodide (I)	≤ 0.002 %	< 0.002 %
Bromide (Br)	≤ 0.01 %	< 0.01 %
Chlorate and Nitrate (as NO_3)	≤ 0.003 %	< 0.001 %
ACS - Phosphate (PO_4)	≤ 5 ppm	< 5 ppm
Sulfate (SO_4)	≤ 0.004 %	< 0.004 %
Barium (Ba)	Passes Test	Passes Test
ACS - Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 2 ppm	< 1 ppm
Calcium (Ca)	≤ 0.002 %	< 0.001 %
Magnesium (Mg)	≤ 0.001 %	< 0.001 %
Potassium (K)	≤ 0.005 %	0.001 %

For Laboratory,Research,or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs
Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M 6041-46
MS

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH_4)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO_3)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO_4)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities – Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities – Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities – Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities – Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities – Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities – Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities - Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities - Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Certificate of Analysis

POTASSIUM HYDROGEN PHTHALATE

Material: **N983**

Grade: **ACS GRADE**

Batch Number: **24A1956910**

Chemical Formula: HOOCC6H4COOK
Molecular Weight: 204.22
CAS #: 877-24-7
Appearance:

White crystals.

Manufacture Date: 01/19/2022
Reassay Date: 01/18/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Assay (dried basis)	99.95 - 100.05 %	99.97 %	PASS
Chlorine Compounds	<= 0.003 %	<0.003 %	PASS
Heavy Metals (as Pb)	<= 5 ppm	<5 ppm	PASS
Insoluble Matter	<= 0.005 %	0.003 %	PASS
Iron	<= 5 ppm	<5 ppm	PASS
pH (0.05M, Water) @25C	4.00 - 4.02	4.00	PASS
Sodium	<= 0.005 %	<0.005 %	PASS
Sulfur Compounds	<= 0.002 %	<0.002 %	PASS

Spec Set: N983ACS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

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

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

SHIPPING DOCUMENTS

CHAIN OF CUSTODY RECORD

Omega COCID 3830 PAGE: 1 OF: 1

P5410

ADDRESS
Summit Environmental Technologies, Inc.
3310 Win St.
Cuyahoga Falls, Ohio 44223
TEL: (330) 253-8211
FAX: (330) 253-4489
Website: http://www.settek.com

SUB CONTRATOR: **Chemtech NJ** COMPANY: **Chemtech**

ADDRESS: **284 Sheffield St., Ste 1**

CITY, STATE, ZIP: **Mountainside, NJ 07092**

PHONE: **(908) 789-8900** FAX: EMAIL:

ACCOUNT #:

SPECIAL INSTRUCTIONS / COMMENTS:
Report to Holly Florea
PO 24120694

ANALYTICAL PARAMETERS

ITEM #	SAMPLE ID	Client Sample ID	Bottle Type	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	TOC (SM5310)	COMMENTS Methanol Preserved Weights HOT Sample Notation Additional Sample Description, etc.
1	24120694-00	Outfall 003	40ML-AMB-	Non-Potabl	/10/2024 12:33:00 PM	2	√	
2	24120694-00	Outfall 005	40ML-AMB-	Non-Potabl	2/10/2024 1:24:00 PM	2	√	
3	24120694-00	Outfall 007	40ML-AMB-	Non-Potabl	/10/2024 11:00:00 AM	2	√	
4	24120694-00	Inflow 007	40ML-AMB-	Non-Potabl	/10/2024 10:45:00 AM	2	√	

Relinquished By:	Date: 12/30/24	Time: 1040	Received By:	Date: 12-31-24	Time: 9:46
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard **RUSH** Next BD 2nd BD 3rd BD

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:
HARDCOPY (extra cost) FAX EMAIL ONLINE

FOR LAB USE ONLY
Temp of samples 1.9 °C Attempt to Cool ?
Comments:

From: Christina Gemma <CGemma@settek.com>
Sent: Tuesday, December 31, 2024 1:01 PM
Subject: Re: TOC from Summit coming

Kiran,

Sorry for that! Collection date for all of those samples is 12/10. Please let me know if you need anything else.

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, December 31, 2024 12:38 PM
To: Christina Gemma <CGemma@settek.com>; Jennifer Woolf <jwoolf@settek.com>
Subject: Re: TOC from Summit coming

Christina, thank you! Can you please let me the collection dates of the above-mentioned, it's not visible.

Our office will be **CLOSED** on the following dates:
January 1st for the Holiday

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Christina Gemma <CGemma@settek.com>
Sent: Tuesday, December 31, 2024 11:06 AM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>; Jennifer Woolf <jwoolf@settek.com>
Cc: jordan <jordan@chemtech.net>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: Re: TOC from Summit coming

Hi Kiran,

I apologize for the confusion. We did not have enough residual volume to send for those samples - they can be disregarded on the COC.

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, December 31, 2024 10:43 AM
To: Jennifer Woolf <jwoolf@settek.com>

Cc: jordan <jordan@chemtech.net>; Christina Gemma <CGemma@settek.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: Re: TOC from Summit coming

Hello Jennifer,

We received the samples. Writing to let you know; sample management just informed me that for the attached COC, sample number 16, 18 and 19 are missing.

Our office will be **CLOSED** on the following dates:
January 1st for the Holiday

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Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Jennifer Woolf <jwoolf@settek.com>
Sent: Monday, December 30, 2024 10:57 AM
To: yazmeen <yazmeen@chemtech.net>; Kiran Saleem <Kiran.Saleem@alliancetg.com>
Cc: jordan <jordan@chemtech.net>; Christina Gemma <CGemma@settek.com>
Subject: TOC from Summit coming

We have more TOCs coming tomorrow. Just wanted to check on your receiving hours for tomorrow. My shipping department is trying to figure out what shipping priority to use to get them there while you are still open. (One of the samples is rush.)

Thanks,
jen

Jennifer Woolf
Project Manager
Office: 330.253.8211
Address: 3310 Win Street, Cuyahoga Falls, Ohio 44223
www.settek.com

From: Holly Florea <hflorea@settek.com>
Sent: Thursday, January 02, 2025 2:33 PM
Subject: RE: TOC from Summit coming
Attachments: SubCOC_24120422_24120422_v1.pdf; P5410-TR (1).pdf; P5407-TR.pdf; P5406-TR.pdf

See revised COCs. I only checked the collection dates for the COCs you attached to the original email. It would be best if you included our sample IDs or job numbers as we won't be able to cross reference them with your numbers in our system. I appreciate all your help and you can proceed with the expired samples.

Please note, in the near future my email address will be updated to Holly.Florea@AllianceTG.com. Please ask your IT department to whitelist the following domain from which you could receive email contact from Alliance to ensure emails do not go into your SPAM file: AllianceTG.com.

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
An Alliance Technical Group Company

Holly Florea
Senior Project Manager
Mobile: 937-409-3646
Address: 3310 Win Street, Cuyahoga Falls, Ohio 44223
www.settek.com

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Thursday, January 2, 2025 2:17 PM
To: Holly Florea <hflorea@settek.com>; Christina Gemma <CGemma@settek.com>
Cc: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>; Jennifer Woolf <jwoolf@settek.com>
Subject: Re: TOC from Summit coming

Holly & Christina,

The holding time for TOC is 28 days. If the collection date falls in December, the sample remains within the holding time. However, the Chain of Custody (COC) forms show varying collection dates. For example, in P5404, Sample 3 has a collection date of **4/29/2024,** Sample 6 has a collection date of **5/3/2024**, and Sample 8 has a collection date of **5/8/2024**. This indicates that these samples are outside the required holding time.

Please let me know, should we update the collection dates, if yes:

- To what date?
- And for all Projects?

Please let me know, Thanks!

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.

CHAIN OF CUSTODY RECORD

Omega COCID 3828

SUB CONTRACTOR: Chemtech NJ
COMPANY: Chemtech
ADDRESS: 284 Sheffield St., Ste 1
CITY, STATE, ZIP: Mountainside, NJ 07092
PHONE: (908) 789-8900
FAX:
EMAIL:
ACCOUNT #:

SPECIAL INSTRUCTIONS / COMMENTS:
Report to Holly Florea (hflorea@
PO: 24120422

ITEM #	SAMPLE ID	Client Sample ID	Bottle Type	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	ANALYTICAL PARAMETERS: TOC (SM5310)
1	24120422-00	244661	40ML-AMB-	Non-Potabl	/26/2024 11:15:00 AM	4	√
2	24120422-00	244662	40ML-AMB-	Non-Potabl	/26/2024 11:15:00 AM	4	√
3	24120422-00	244663	40ML-AMB-	Non-Potab	4/29/2024 3:52:00 PM	1	√
4	24120422-00	244664	40ML-AMB-	Non-Potabl	4/29/2024 4:22:00 PM	1	√
5	24120422-00	244665	40ML-AMB-	Non-Potabl	5/3/2024 8:57:00 AM	1	√
6	24120422-00	244666	40ML-AMB-	Non-Potabl	5/3/2024 9:07:00 AM	1	√
7	24120422-00	244667	40ML-AMB-	Non-Potabl	5/8/2024 2:18:00 PM	1	√
8	24120422-00	244668	40ML-AMB-	Non-Potab	5/8/2024 2:37:00 PM	1	√
9	24120422-00	244669	40ML-AMB-	Non-Potabl	6/7/2024 10:55:00 AM	1	√
10	24120422-01	244670	40ML-AMB-	Non-Potabl	6/7/2024 11:15:00 AM	1	√
11	24120422-01	244671	40ML-AMB-	Non-Potabl	7/3/2024 9:35:00 AM	1	√
12	24120422-01	244672	40ML-AMB-	Non-Potabl	7/3/2024 10:04:00 AM	1	√

Relinquished By: C.	Date: 12/30/24	Time: 1040	Received By: CR	Date: 12-31-24	Time: 9:46
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

TAT: Standard RUSH Next BD ☐ 2nd BD 3rd BD ☐

Note: RUSH requests will incur surcharges!

HAR

Temp

Comm

Thank you!

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Christina Gemma <CGemma@settek.com>
Sent: Thursday, January 2, 2025 1:22 PM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>; Jennifer Woolf <jwoolf@settek.com>
Cc: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: Re: TOC from Summit coming

Hello Kiran,

The collection month for all of the samples is December.

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Thursday, January 2, 2025 12:54 PM
To: Christina Gemma <CGemma@settek.com>; Jennifer Woolf <jwoolf@settek.com>
Cc: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: Re: TOC from Summit coming

Good Afternoon Christina,

I am reaching out regarding the followings:

- Can you please confirm the Sample Collection Dates for the above mentioned COCs, they are not clear.

- The samples for these projects were out of holding time - P5404 ; P5406 ; P5407 ;P5408 ; P5409 ; P5410. It's a standard procedure to inform the client.

Happy New Year to you & your team - Thank you!

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Christina Gemma <CGemma@settek.com>
Sent: Tuesday, December 31, 2024 1:00 PM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>; Jennifer Woolf <jwoolf@settek.com>
Subject: Re: TOC from Summit coming

Kiran,

Sorry for that! Collection date for all of those samples is 12/10. Please let me know if you need anything else.

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, December 31, 2024 12:38 PM
To: Christina Gemma <CGemma@settek.com>; Jennifer Woolf <jwoolf@settek.com>
Subject: Re: TOC from Summit coming

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January 1st for the Holiday

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Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Christina Gemma <CGemma@settek.com>
Sent: Tuesday, December 31, 2024 11:06 AM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>; Jennifer Woolf <jwoolf@settek.com>

Cc: jordan <jordan@chemtech.net>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: Re: TOC from Summit coming

Hi Kiran,

I apologize for the confusion. We did not have enough residual volume to send for those samples - they can be disregarded on the COC.

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, December 31, 2024 10:43 AM
To: Jennifer Woolf <jwoolf@settek.com>
Cc: jordan <jordan@chemtech.net>; Christina Gemma <CGemma@settek.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Subject: Re: TOC from Summit coming

Hello Jennifer,

We received the samples. Writing to let you know; sample management just informed me that for the attached COC, sample number 16, 18 and 19 are missing.

Our office will be **CLOSED** on the following dates:

January 1st for the Holiday

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Jennifer Woolf <jwoolf@settek.com>
Sent: Monday, December 30, 2024 10:57 AM
To: yazmeen <yazmeen@chemtech.net>; Kiran Saleem <Kiran.Saleem@alliancetg.com>
Cc: jordan <jordan@chemtech.net>; Christina Gemma <CGemma@settek.com>
Subject: TOC from Summit coming

We have more TOCs coming tomorrow. Just wanted to check on your receiving hours for tomorrow. My shipping department is trying to figure out what shipping priority to use to get them there while you are still open. (One of the samples is rush.)

Thanks,

jen

SUMMIT ENVIRONMENTAL TECHNOLOGIES, INC.
An Alliance Technical Group Company

Jennifer Woolf
Project Manager
Office: 330.253.8211
Address: 3310 Win Street, Cuyahoga Falls, Ohio 44223
www.settek.com

Please note, my new email address will be jennifer.woolf@alliancetg.com. Please ask your IT department to whitelist the following domain from which you could receive email contact from Alliance to ensure emails do not go into the SPAM file: AllianceTG.com

Please let us know how we are doing by participating in an online survey at https://www.surveymonkey.com/r/S25XFKG.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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