

| | Type | Analysis | Sample Name | Sample ID | Origin | Manual Diluti | Result |
|---|----------|----------|----------------|-------------------|---------------------|---------------|--------|
| 1 | Standard | NPOC | 0-20 NPOC_2201 | 0-20 NPOC_220126B | 0-20 NPOC_220126B.2 | 1.000 | |

| | Notes | Status | Date / Time | Vial |
|---|-------|-----------|----------------------|----------------|
| 1 | | Completed | 1/26/2022 5:33:05 PM | 1, 2, 3, 4, 5, |

Date of Creation 5:33:05 PM 1/26/2022
 User DMB
 System TOC4-C

Cal. Curve

Sample Name: 0-20 NPOC_220126B
 Sample ID: 0-20 NPOC_220126B
 Object ID: 0A-901000-10101000-13488DE2104A-0000
 Cal. Curve: 0-20 NPOC_220126B. cal
 Status Completed
 Comment:

| Type | Anal. |
|----------|-------|
| Standard | NPOC |

Conc: 0.000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|-------|-----------|-----------|-------|-----|----------------------|
| 1 | 4.248 | 1250uL | 1 | ***** | | 1/26/2022 3:47:36 PM |
| 2 | 4.758 | 1250uL | 1 | ***** | | 1/26/2022 3:51:50 PM |

Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 4.503
 SD Area 0.3606
 CV Area 8.01%
 Vial 1
 WetChem Oxid. 1.5mL

Conc: 0.5000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|-------|-----------|-----------|-------|-----|----------------------|
| 1 | 57.01 | 1250uL | 1 | ***** | | 1/26/2022 4:02:25 PM |
| 2 | 56.70 | 1250uL | 1 | ***** | | 1/26/2022 4:06:49 PM |

Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 56.86
 SD Area 0.2192
 CV Area 0.39%
 Vial 2
 WetChem Oxid. 1.5mL

Conc: 1.000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|-------|-----------|-----------|-------|-----|----------------------|
| 1 | 106.9 | 1250uL | 1 | ***** | | 1/26/2022 4:17:29 PM |
| 2 | 107.4 | 1250uL | 1 | ***** | | 1/26/2022 4:21:36 PM |

Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 107.2
 SD Area 0.3536
 CV Area 0.33%
 Vial 3
 WetChem Oxid. 1.5mL

Conc: 5.000mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|-------|-----------|-----------|-------|-----|----------------------|
| 1 | 511.6 | 1250uL | 1 | ***** | | 1/26/2022 4:32:48 PM |
| 2 | 512.8 | 1250uL | 1 | ***** | | 1/26/2022 4:36:58 PM |

Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 512.2
 SD Area 0.8485
 CV Area 0.17%
 Vial 4
 WetChem Oxid. 1.5mL

Conc: 10.00mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|------|-----------|-----------|-------|-----|----------------------|
| 1 | 1047 | 1250uL | 1 | ***** | | 1/26/2022 4:49:06 PM |
| 2 | 1033 | 1250uL | 1 | ***** | | 1/26/2022 4:53:37 PM |

Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 1040
 SD Area 9.899
 CV Area 0.95%
 Vial 5
 WetChem Oxid. 1.5mL

Conc: 15.00mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|------|-----------|-----------|-------|-----|----------------------|
| 1 | 1522 | 1250uL | 1 | ***** | E | 1/26/2022 5:04:56 PM |
| 2 | 1581 | 1250uL | 1 | ***** | | 1/26/2022 5:10:44 PM |
| 3 | 1578 | 1250uL | 1 | ***** | | 1/26/2022 5:16:11 PM |

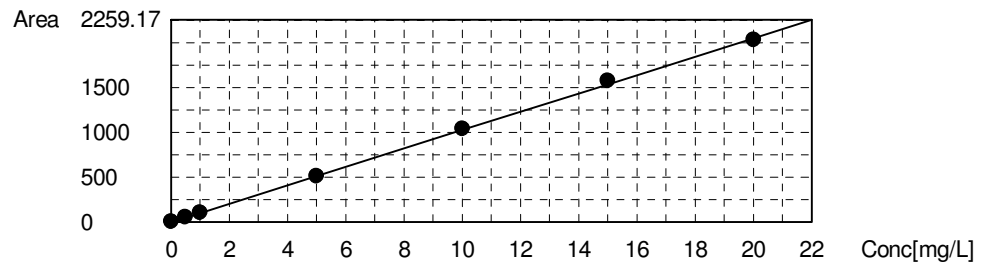
Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 1580
 SD Area 2.121
 CV Area 0.13%
 Vial 6
 WetChem Oxid. 1.5mL

Conc: 20.00mg/L

| No. | Area | Inj. Vol. | Aut. Dil. | Rem. | Ex. | Date / Time |
|-----|------|-----------|-----------|-------|-----|----------------------|
| 1 | 2044 | 1250uL | 1 | ***** | | 1/26/2022 5:28:13 PM |
| 2 | 2026 | 1250uL | 1 | ***** | | 1/26/2022 5:33:05 PM |

Acid Add. 3.000%
 Sp. Time 180.0sec
 Mean Area 2035
 SD Area 12.73
 CV Area 0.63%
 Vial 7
 WetChem Oxid. 1.5mL

Slope: 102.7
 Intercept 0.000
 r^2 0.9995
 r 0.9998
 Zero Shift Yes



Energy Laboratories, Inc.

ANALYTICAL RUN Summary

28-Jan-22

Run ID TOC4-C_220127A

| Run Start Date: 1/27/2022 Analyst: Nils T. Schenck Ical: Column ID: Comments: Ready for David Brunner | Instrument ID | Description |
|--|---------------|---|
| | PIP-113 | 500 uL pipette |
| | PIP-114 | 1000 uL Pipette |
| | PIP-119 | 10-100 uL adjustable pipette |
| | PIP-122 | 5 mL Pipette |
| | PIP-128 | |
| | PIP-133 | 10 mL Dispenser/H2O for TOC/DOC-Wet Lab |
| | TOC4-C | Total organic carbon analyzer |

| Std ID | Std Name | Std Amount | Std Units | Samp Amount | Samp Units | SampType | Expiration Date |
|--------------------------|------------------------------|------------|-----------|-------------|------------|----------|-----------------|
| Na Persulfate 12% 211108 | Sodium Persulfate 12% | | | | | | 11/8/2022 |
| NTS AQ DOC A5310C DOC 09 | NTS AQ DOC A5310C DOC 092221 | | | | | | 8/22/2022 |
| NTS AQ TOC A5310C DOC 09 | NTS AQ TOC A5310C DOC 092321 | | | | | | 8/23/2022 |
| Phosphoric Acid 201124 | Phosphoric Acid 20% | | | | | | 1/8/2023 |
| Phosphoric Water 211108 | Phosphoric Water | | | | | | 1/8/2023 |
| TOC4_ICAL_220127 | TOC4 Calibration | | | | | ICAL | 9/28/2022 |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
|---------|--------|-----------|------------|---------|------------------|----|----------|-----------|--------|--------|--------|--|--|--|--|--|
| 8423208 | LCS | C-TOC-W | LCS | | 1/27/2022 9:45:2 | 1 | R279097 | | | 0 | 0 | | | | | |

| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
|-----------------------------|---|-------|-------|-------|------|-------|--------|--------|------|-----|-----|------|-----|------|------|---|
| Organic Carbon, Total (TOC) | C | mg/L | 4.961 | 4.961 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 99% | 91 | 111 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 4.961 | 4.961 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 99% | 91 | 111 | 0% | |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
|---------|--------|-----------|------------|---------|------------------|----|----------|-----------|--------|--------|--------|--|--|--|--|--|
| 8423209 | MBLK | C-TOC-W | MBLK | | 1/27/2022 9:59:5 | 1 | R279097 | | | 0 | 0 | | | | | |

| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
|-----------------------------|---|-------|---------|-------|------|-------|--------|--------|------|-----|-----|------|-----|------|------|---|
| Organic Carbon, Total (TOC) | C | mg/L | 0.02244 | 0 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 0.02244 | 0 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
|---------|--------|-----------|------------|---------|------------------|----|----------|-----------|--------|--------|--------|--|--|--|--|--|
| 8423210 | CCV | C-TOC-W | CCV | | 1/27/2022 10:19: | 1 | R279097 | | | 0 | 0 | | | | | |

| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
|---------|---|-------|-----|-------|------|-------|--------|--------|-----|-----|-----|------|-----|------|------|---|
| | | | | | | | | | | | | | | | | |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
|-----------------------------|---------|-----------|------------|---------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 8423210 | CCV | C-TOC-W | CCV | | 1/27/2022 10:19: | 1 | R279097 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 4.837 | 4.837 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 97% | 90 | 110 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 4.837 | 4.837 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 97% | 90 | 110 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8423211 | 0 PPM | C-TOC-W | ICAL1 | | 1/27/2022 10:33: | 1 | R279097 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 0.01817 | 0.01817 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 0.01817 | 0.01817 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8423212 | 0.5 PPM | C-TOC-W | ICAL2 | | 1/27/2022 10:52: | 1 | R279097 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 0.5732 | 0.5732 | | 0.5 | 0 | 0 | 0.17 | 0.5 | 20 | 115% | 80 | 120 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 0.5732 | 0.5732 | | 0.5 | 0 | 0 | 0.17 | 0.5 | 20 | 115% | 80 | 120 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8423213 | 1 PPM | C-TOC-W | ICAL3 | | 1/27/2022 11:07: | 1 | R279097 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 1.09 | 1.09 | | 1 | 0 | 0 | 0.17 | 0.5 | 20 | 109% | 90 | 110 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 1.09 | 1.09 | | 1 | 0 | 0 | 0.17 | 0.5 | 20 | 109% | 90 | 110 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8423214 | 5 PPM | C-TOC-W | ICAL4 | | 1/27/2022 11:22: | 1 | R279097 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 5.019 | 5.019 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 100% | 90 | 110 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 5.019 | 5.019 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 100% | 90 | 110 | 0% | |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
|-----------------------------|--------|-----------|------------|---------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 8423215 | 10 PPM | C-TOC-W | ICAL5 | | 1/27/2022 11:38: | 1 | R279097 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 10.04 | 10.04 | | 10 | 0 | 0 | 0.17 | 0.5 | 20 | 100% | 90 | 110 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 10.04 | 10.04 | | 10 | 0 | 0 | 0.17 | 0.5 | 20 | 100% | 90 | 110 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8423216 | 15 PPM | C-TOC-W | ICAL6 | | 1/27/2022 11:55: | 1 | R279097 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 15.28 | 15.28 | | 15 | 0 | 0 | 0.17 | 0.5 | 20 | 102% | 90 | 110 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 15.28 | 15.28 | | 15 | 0 | 0 | 0.17 | 0.5 | 20 | 102% | 90 | 110 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8423217 | 20 PPM | C-TOC-W | ICAL7 | | 1/27/2022 12:12: | 1 | R279097 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 20.31 | 20.31 | | 20 | 0 | 0 | 0.17 | 0.5 | 20 | 102% | 90 | 110 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 20.31 | 20.31 | | 20 | 0 | 0 | 0.17 | 0.5 | 20 | 102% | 90 | 110 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8423218 | CCV | C-TOC-W | CCV | | 1/27/2022 12:30: | 1 | R279097 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 4.931 | 4.931 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 99% | 90 | 110 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 4.931 | 4.931 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 99% | 90 | 110 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8423219 | CCB | C-TOC-W | CCB | | 1/27/2022 12:44: | 1 | R279097 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 0.02391 | 0.02391 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 0.02391 | 0.02391 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |

| | Type | Analysis | Sample Name | Sample ID | Origin | Manual Diluti | Result |
|----|---------|----------|-------------|-----------|-----------------|---------------|-------------|
| 1 | Unknown | NPOC | C-TOC-W | LCS | NPOC Method.met | 1.000 | NPOC:4.961m |
| 2 | Unknown | NPOC | C-TOC-W | MBLK | NPOC Method.met | 1.000 | NPOC:0.0224 |
| 3 | Unknown | NPOC | C-TOC-W | CCV | NPOC Method.met | 1.000 | NPOC:4.837m |
| 4 | Unknown | NPOC | C-TOC-W | 0 PPM | NPOC Method.met | 1.000 | NPOC:0.0181 |
| 5 | Unknown | NPOC | C-TOC-W | 0.5 PPM | NPOC Method.met | 1.000 | NPOC:0.5732 |
| 6 | Unknown | NPOC | C-TOC-W | 1 PPM | NPOC Method.met | 1.000 | NPOC:1.090m |
| 7 | Unknown | NPOC | C-TOC-W | 5 PPM | NPOC Method.met | 1.000 | NPOC:5.019m |
| 8 | Unknown | NPOC | C-TOC-W | 10 PPM | NPOC Method.met | 1.000 | NPOC:10.04m |
| 9 | Unknown | NPOC | C-TOC-W | 15 PPM | NPOC Method.met | 1.000 | NPOC:15.28m |
| 10 | Unknown | NPOC | C-TOC-W | 20 PPM | NPOC Method.met | 1.000 | NPOC:20.31m |
| 11 | Unknown | NPOC | C-TOC-W | CCV | NPOC Method.met | 1.000 | NPOC:4.931m |
| 12 | Unknown | NPOC | C-TOC-W | CCB | NPOC Method.met | 1.000 | NPOC:0.0239 |

| | Notes | Status | Date / Time | Vial |
|----|-------|-----------|-----------------------|------|
| 1 | | Completed | 1/27/2022 9:49:48 AM | 1 |
| 2 | | Completed | 1/27/2022 10:08:27 AM | 2 |
| 3 | | Completed | 1/27/2022 10:23:27 AM | 3 |
| 4 | | Completed | 1/27/2022 10:42:04 AM | 4 |
| 5 | | Completed | 1/27/2022 10:56:58 AM | 5 |
| 6 | | Completed | 1/27/2022 11:11:56 AM | 6 |
| 7 | | Completed | 1/27/2022 11:27:20 AM | 7 |
| 8 | | Completed | 1/27/2022 11:42:58 AM | 8 |
| 9 | | Completed | 1/27/2022 12:00:31 PM | 9 |
| 10 | | Completed | 1/27/2022 12:18:50 PM | 10 |
| 11 | | Completed | 1/27/2022 12:34:16 PM | 11 |
| 12 | | Completed | 1/27/2022 12:52:55 PM | 12 |

Instr.Information

System TOC4-C
Instrument Options TOC/ASI/

Sample

Sample Name: C-TOC-W
Sample ID: LCS
Origin: NPOC Method.met
Status: Completed
Chk. Result

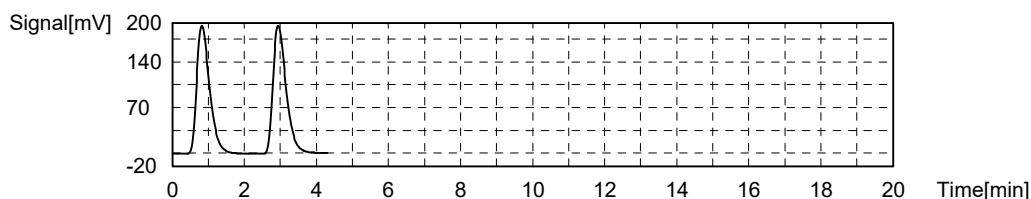
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.961mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|----------------------|
| 1 | 505.6 | 4.924mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 9:45:29 AM |
| 2 | 513.2 | 4.998mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 9:49:48 AM |

Mean Area 509.4
Mean Conc. 4.961mg/L



Sample

Sample Name: C-TOC-W
Sample ID: MBLK
Origin: NPOC Method.met
Status: Completed
Chk. Result

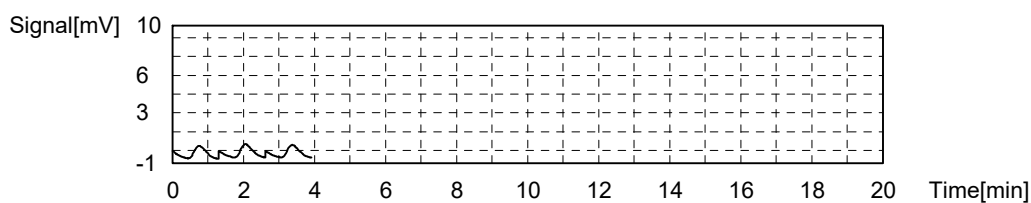
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.02244mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-------------|-----------|-----------|-----|--|-----------------------|
| 1 | 2.312 | 0.02251mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 9:59:57 AM |
| 2 | 2.462 | 0.02398mg/L | 1250uL | 1 | E | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 10:04:13 AM |
| 3 | 2.296 | 0.02236mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 10:08:27 AM |

Mean Area 2.304
Mean Conc. 0.02244mg/L



Sample

Sample Name: C-TOC-W
 Sample ID: CCV
 Origin: NPOC Method.met
 Status: Completed
 Chk. Result

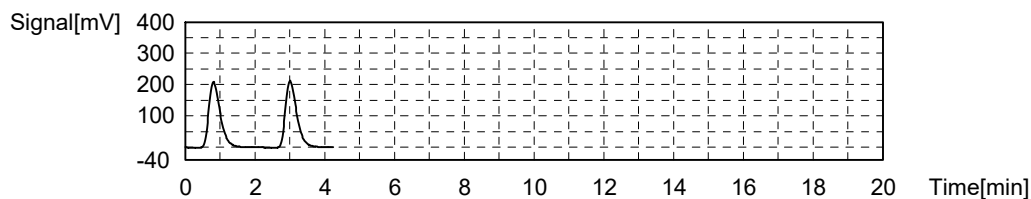
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.837mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|-----------------------|
| 1 | 496.2 | 4.832mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 10:19:17 AM |
| 2 | 497.3 | 4.843mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 10:23:27 AM |

Mean Area 496.8
 Mean Conc. 4.837mg/L



Sample

Sample Name: C-TOC-W
 Sample ID: 0 PPM
 Origin: NPOC Method.met
 Status: Completed
 Chk. Result

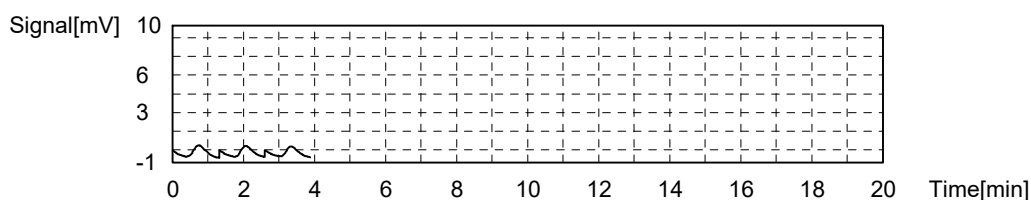
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.01817mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-------------|-----------|-----------|-----|--|-----------------------|
| 1 | 2.180 | 0.02123mg/L | 1250uL | 1 | E | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 10:33:37 AM |
| 2 | 1.911 | 0.01861mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 10:37:50 AM |
| 3 | 1.820 | 0.01772mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 10:42:04 AM |

Mean Area 1.865
 Mean Conc. 0.01817mg/L



Sample

Sample Name: C-TOC-W
 Sample ID: 0.5 PPM
 Origin: NPOC Method.met
 Status: Completed
 Chk. Result

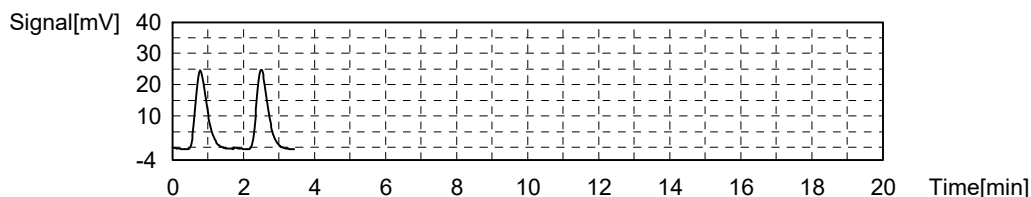
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.5732mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|-----------------------|
| 1 | 59.21 | 0.5766mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 10:52:25 AM |
| 2 | 58.51 | 0.5698mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 10:56:58 AM |

Mean Area 58.86
Mean Conc. 0.5732mg/L



Sample

Sample Name: C-TOC-W
Sample ID: 1 PPM
Origin: NPOC Method.met
Status: Completed
Chk. Result

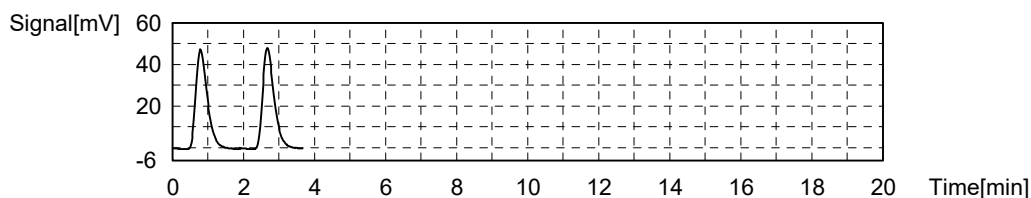
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:1.090mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|-----------------------|
| 1 | 112.2 | 1.093mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 11:07:42 AM |
| 2 | 111.6 | 1.087mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 1/27/2022 11:11:56 AM |

Mean Area 111.9
Mean Conc. 1.090mg/L



Sample

Sample Name: C-TOC-W
Sample ID: 5 PPM
Origin: NPOC Method.met
Status: Completed
Chk. Result

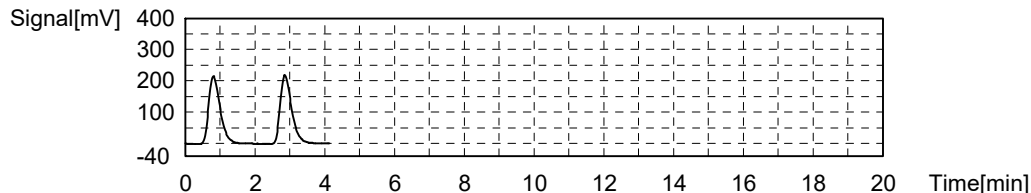
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.019mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|-----------------------|
| 1 | 512.6 | 4.992mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 11:22:50 AM |
| 2 | 518.3 | 5.047mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 11:27:20 AM |

Mean Area 515.5
Mean Conc. 5.019mg/L



Sample

Sample Name: C-TOC-W
Sample ID: 10 PPM
Origin: NPOC Method.met
Status: Completed
Chk. Result

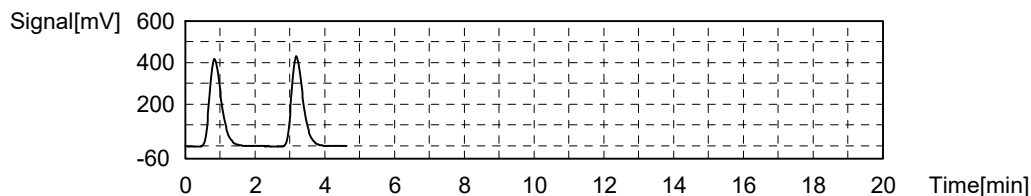
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:10.04mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|------|-----------|-----------|-----------|-----|--|-----------------------|
| 1 | 1031 | 10.04mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 11:38:32 AM |
| 2 | 1032 | 10.05mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 11:42:58 AM |

Mean Area 1032
Mean Conc. 10.04mg/L



Sample

Sample Name: C-TOC-W
Sample ID: 15 PPM
Origin: NPOC Method.met
Status: Completed
Chk. Result

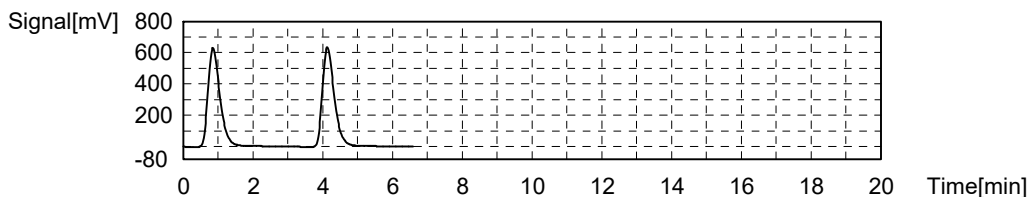
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:15.28mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|------|-----------|-----------|-----------|-----|--|-----------------------|
| 1 | 1568 | 15.27mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 11:55:06 AM |
| 2 | 1570 | 15.29mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 12:00:31 PM |

Mean Area 1569
 Mean Conc. 15.28mg/L



Sample

Sample Name: C-TOC-W
 Sample ID: 20 PPM
 Origin: NPOC Method.met
 Status: Completed
 Chk. Result

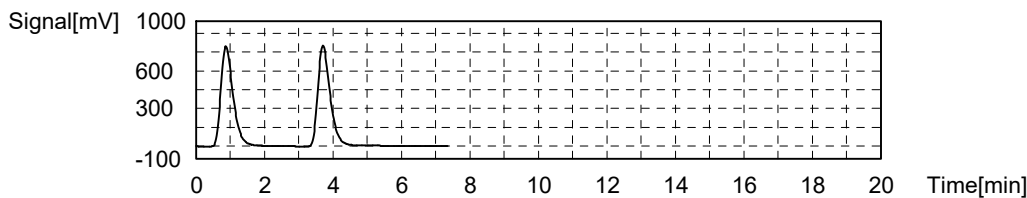
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:20.31mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|------|-----------|-----------|-----------|-----|--|-----------------------|
| 1 | 2058 | 20.04mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 12:12:12 PM |
| 2 | 2114 | 20.59mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 12:18:50 PM |

Mean Area 2086
 Mean Conc. 20.31mg/L



Sample

Sample Name: C-TOC-W
 Sample ID: CCV
 Origin: NPOC Method.met
 Status: Completed
 Chk. Result

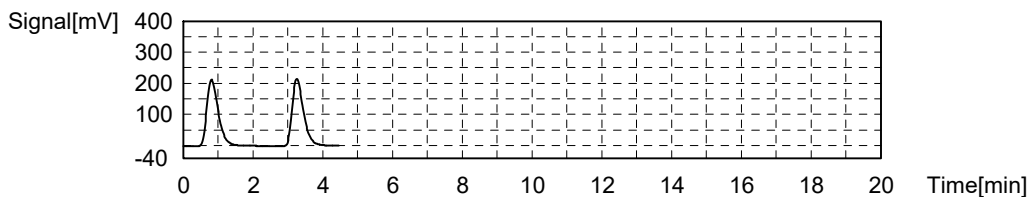
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.931mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|-----------------------|
| 1 | 510.7 | 4.973mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 12:30:08 PM |
| 2 | 502.1 | 4.889mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 12:34:16 PM |

Mean Area 506.4
 Mean Conc. 4.931mg/L



Sample

Sample Name: C-TOC-W
Sample ID: CCB
Origin: NPOC Method.met
Status: Completed
Chk. Result

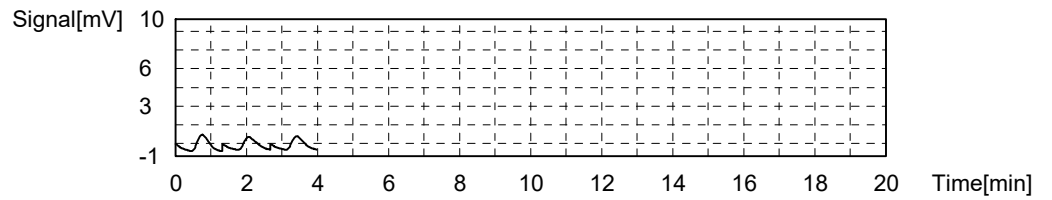
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.02391mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-------------|-----------|-----------|-----|--|-----------------------|
| 1 | 2.914 | 0.02838mg/L | 1250uL | 1 | E | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 12:44:26 PM |
| 2 | 2.475 | 0.02410mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 12:48:43 PM |
| 3 | 2.436 | 0.02372mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 1/27/2022 12:52:55 PM |

Mean Area 2.455
Mean Conc. 0.02391mg/L



Energy Laboratories, Inc.

ANALYTICAL RUN Summary

10-Feb-22

Run ID TOC4-C_220209A

Run Start Date: 2/9/2022
 Analyst: Nils T. Schenck
 Ical:
 Column ID:
 Comments: Ready for Donny

| Instrument ID | Description |
|---------------|---|
| PIP-128 | |
| PIP-133 | 10 mL Dispenser/H2O for TOC/DOC-Wet Lab |
| TOC4-C | Total organic carbon analyzer |

| Std ID | Std Name | Std Amount | Std Units | Samp Amount | Samp Units | SampType | Expiration Date |
|--------------------------|------------------------------|------------|-----------|-------------|------------|----------|-----------------|
| Na Persulfate 12% 211108 | Sodium Persulfate 12% | | | | | | 11/8/2022 |
| NTS AQ DOC A5310C DOC 09 | NTS AQ DOC A5310C DOC 092221 | | | | | | 8/22/2022 |
| NTS AQ TOC A5310C DOC 09 | NTS AQ TOC A5310C DOC 092321 | | | | | | 8/23/2022 |
| Phosphoric Acid 201124 | Phosphoric Acid 20% | | | | | | 1/8/2023 |
| Phosphoric Water 211108 | Phosphoric Water | | | | | | 1/8/2023 |
| TOC4_ICAL_220127 | TOC4 Calibration | | | | | ICAL | 9/28/2022 |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | | |
|-----------------------------|--------|--------------|--------------|------------|------------------|-------------|--------------|---------------|---------------|------------|------------|------------|-------------|------------|-------------|-------------|----------|
| 8433276 | LCS | C-TOC-9060-W | LCS | | 2/9/2022 3:49:00 | 1 | R279590 | | 0 | 0 | | | | | | | |
| Analyte | | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | | C | mg/L | 4.983 | 4.983 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 100% | 91 | 111 | 0% | |
| Nonpurgeable Organic Carbon | | X | mg/L | 4.983 | 4.983 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 100% | 91 | 111 | 0% | |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | | |
|-----------------------------|--------|--------------|--------------|------------|------------------|-------------|--------------|---------------|---------------|------------|------------|------------|-------------|------------|-------------|-------------|----------|
| 8433277 | MBLK | C-TOC-9060-W | MBLK | | 2/9/2022 4:29:00 | 1 | R279590 | | 0 | 0 | | | | | | | |
| Analyte | | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | | C | mg/L | 0.06858 | 0 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |
| Nonpurgeable Organic Carbon | | X | mg/L | 0.06858 | 0 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | | |
|----------------|--------|--------------|--------------|------------|------------------|-------------|--------------|---------------|---------------|------------|------------|------------|-------------|------------|-------------|-------------|----------|
| 8433278 | CCV | C-TOC-9060-W | CCV | | 2/9/2022 5:08:00 | 1 | R279590 | | 0 | 0 | | | | | | | |
| Analyte | | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
|-----------------------------|---------------|--------------|------------|------------|------------------|-------|----------|-----------|---------|--------|--------|------|-----|------|------|---|
| 8433278 | CCV | C-TOC-9060-W | CCV | | 2/9/2022 5:08:00 | 1 | R279590 | | | 0 | 0 | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 4.776 | 4.776 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 96% | 90 | 110 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 4.776 | 4.776 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 96% | 90 | 110 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8433279 | C22020308-001 | C-TOC-9060-W | SAMP | | 2/9/2022 5:48:00 | 1 | R279590 | | | 0 | 0 | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 0.676375 | 0.676375 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 0.676375 | 0.676375 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8433280 | C22020308-001 | C-TOC-9060-W | MS | | 2/9/2022 6:30:00 | 1.005 | R279590 | | | 8E+06 | 0 | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 5.4305 | 5.4576525 | | 5 | 0.676375 | 0 | 0.17085 | 0.5025 | 20 | 96% | 91 | 111 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 5.4305 | 5.4576525 | | 5 | 0.676375 | 0 | 0.17085 | 0.5025 | 20 | 96% | 91 | 111 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8433281 | C22020308-001 | C-TOC-9060-W | MSD | | 2/9/2022 7:13:00 | 1.005 | R279590 | | | 8E+06 | 8E+06 | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 5.43625 | 5.46343125 | | 5 | 0.676375 | 5.4576525 | 0.17085 | 0.5025 | 20 | 96% | 91 | 111 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 5.43625 | 5.46343125 | | 5 | 0.676375 | 5.4576525 | 0.17085 | 0.5025 | 20 | 96% | 91 | 111 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8433282 | C22020308-006 | C-TOC-9060-W | SAMP | | 2/9/2022 7:56:00 | 1 | R279590 | | | 0 | 0 | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 1.6085 | 1.6085 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 1.6085 | 1.6085 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
|-----------------------------|---------------|--------------|------------|----------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 8433283 | C22020308-011 | C-TOC-9060-W | SAMP | | 2/9/2022 8:38:00 | 1 | R279590 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 0.293825 | 0.293825 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | J |
| Nonpurgeable Organic Carbon | X | mg/L | 0.293825 | 0.293825 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | J |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8433284 | C22020308-017 | C-TOC-9060-W | SAMP | | 2/9/2022 9:19:00 | 1 | R279590 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 0.41955 | 0.41955 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | J |
| Nonpurgeable Organic Carbon | X | mg/L | 0.41955 | 0.41955 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | J |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8433285 | C22020308-022 | C-TOC-9060-W | SAMP | | 2/9/2022 10:01:0 | 1 | R279590 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 0.315625 | 0.315625 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | J |
| Nonpurgeable Organic Carbon | X | mg/L | 0.315625 | 0.315625 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | J |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8433286 | C22020308-027 | C-TOC-9060-W | SAMP | | 2/9/2022 10:41:0 | 1 | R279590 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 0.4009 | 0.4009 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | J |
| Nonpurgeable Organic Carbon | X | mg/L | 0.4009 | 0.4009 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | J |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8433287 | C22020308-032 | C-TOC-9060-W | SAMP | | 2/9/2022 11:23:0 | 1 | R279590 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 0.2357 | 0.2357 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | J |
| Nonpurgeable Organic Carbon | X | mg/L | 0.2357 | 0.2357 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | J |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
|-----------------------------|--------|--------------|------------|----------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 8433288 | CCV | C-TOC-9060-W | CCV | | 2/10/2022 12:03: | 1 | R279590 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 4.799 | 4.799 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 96% | 90 | 110 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 4.799 | 4.799 | | 5 | 0 | 0 | 0.17 | 0.5 | 20 | 96% | 90 | 110 | 0% | |
| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist | | | | | |
| 8433289 | CCB | C-TOC-9060-W | CCB | | 2/10/2022 12:43: | 1 | R279590 | | 0 | 0 | | | | | | |
| Analyte | T | Units | RAW | Final | Text | Spike | SPKref | RPDref | MDL | PQL | UQL | %REC | LOW | HIGH | %RPD | Q |
| Organic Carbon, Total (TOC) | C | mg/L | 0.038325 | 0.038325 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |
| Nonpurgeable Organic Carbon | X | mg/L | 0.038325 | 0.038325 | | 0 | 0 | 0 | 0.17 | 0.5 | 20 | 0% | 0 | 0 | 0% | |

| | Type | Analysis | Sample Name | Sample ID | Origin | Manual Diluti | Result |
|----|---------|----------|--------------|-------------------|------------------|---------------|-------------|
| 1 | Unknown | NPOC | C-TOC-9060-W | LCS | C-TOC-9060-W.met | 1.000 | NPOC:5.076m |
| 2 | Unknown | NPOC | C-TOC-9060-W | LCS | C-TOC-9060-W.met | 1.000 | NPOC:4.958m |
| 3 | Unknown | NPOC | C-TOC-9060-W | LCS | C-TOC-9060-W.met | 1.000 | NPOC:4.935m |
| 4 | Unknown | NPOC | C-TOC-9060-W | LCS | C-TOC-9060-W.met | 1.000 | NPOC:4.963m |
| 5 | Unknown | NPOC | C-TOC-9060-W | MBLK | C-TOC-9060-W.met | 1.000 | NPOC:0.0987 |
| 6 | Unknown | NPOC | C-TOC-9060-W | MBLK | C-TOC-9060-W.met | 1.000 | NPOC:0.0976 |
| 7 | Unknown | NPOC | C-TOC-9060-W | MBLK | C-TOC-9060-W.met | 1.000 | NPOC:0.0392 |
| 8 | Unknown | NPOC | C-TOC-9060-W | MBLK | C-TOC-9060-W.met | 1.000 | NPOC:0.0386 |
| 9 | Unknown | NPOC | C-TOC-9060-W | CCV | C-TOC-9060-W.met | 1.000 | NPOC:4.777m |
| 10 | Unknown | NPOC | C-TOC-9060-W | CCV | C-TOC-9060-W.met | 1.000 | NPOC:4.763m |
| 11 | Unknown | NPOC | C-TOC-9060-W | CCV | C-TOC-9060-W.met | 1.000 | NPOC:4.779m |
| 12 | Unknown | NPOC | C-TOC-9060-W | CCV | C-TOC-9060-W.met | 1.000 | NPOC:4.785m |
| 13 | Unknown | NPOC | C-TOC-9060-W | C22020308-001E | C-TOC-9060-W.met | 1.000 | NPOC:0.6676 |
| 14 | Unknown | NPOC | C-TOC-9060-W | C22020308-001E | C-TOC-9060-W.met | 1.000 | NPOC:0.6786 |
| 15 | Unknown | NPOC | C-TOC-9060-W | C22020308-001E | C-TOC-9060-W.met | 1.000 | NPOC:0.6911 |
| 16 | Unknown | NPOC | C-TOC-9060-W | C22020308-001E | C-TOC-9060-W.met | 1.000 | NPOC:0.6682 |
| 17 | Unknown | NPOC | C-TOC-9060-W | C22020308-001EMS | C-TOC-9060-W.met | 1.000 | NPOC:5.447m |
| 18 | Unknown | NPOC | C-TOC-9060-W | C22020308-001EMS | C-TOC-9060-W.met | 1.000 | NPOC:5.471m |
| 19 | Unknown | NPOC | C-TOC-9060-W | C22020308-001EMS | C-TOC-9060-W.met | 1.000 | NPOC:5.402m |
| 20 | Unknown | NPOC | C-TOC-9060-W | C22020308-001EMS | C-TOC-9060-W.met | 1.000 | NPOC:5.402m |
| 21 | Unknown | NPOC | C-TOC-9060-W | C22020308-001EMSD | C-TOC-9060-W.met | 1.000 | NPOC:5.451m |
| 22 | Unknown | NPOC | C-TOC-9060-W | C22020308-001EMSD | C-TOC-9060-W.met | 1.000 | NPOC:5.455m |
| 23 | Unknown | NPOC | C-TOC-9060-W | C22020308-001EMSD | C-TOC-9060-W.met | 1.000 | NPOC:5.434m |
| 24 | Unknown | NPOC | C-TOC-9060-W | C22020308-001EMSD | C-TOC-9060-W.met | 1.000 | NPOC:5.405m |
| 25 | Unknown | NPOC | C-TOC-9060-W | C22020308-006E | C-TOC-9060-W.met | 1.000 | NPOC:1.462m |
| 26 | Unknown | NPOC | C-TOC-9060-W | C22020308-006E | C-TOC-9060-W.met | 1.000 | NPOC:1.662m |
| 27 | Unknown | NPOC | C-TOC-9060-W | C22020308-006E | C-TOC-9060-W.met | 1.000 | NPOC:1.673m |
| 28 | Unknown | NPOC | C-TOC-9060-W | C22020308-006E | C-TOC-9060-W.met | 1.000 | NPOC:1.637m |
| 29 | Unknown | NPOC | C-TOC-9060-W | C22020308-011E | C-TOC-9060-W.met | 1.000 | NPOC:0.3322 |
| 30 | Unknown | NPOC | C-TOC-9060-W | C22020308-011E | C-TOC-9060-W.met | 1.000 | NPOC:0.2916 |
| 31 | Unknown | NPOC | C-TOC-9060-W | C22020308-011E | C-TOC-9060-W.met | 1.000 | NPOC:0.2769 |
| 32 | Unknown | NPOC | C-TOC-9060-W | C22020308-011E | C-TOC-9060-W.met | 1.000 | NPOC:0.2746 |
| 33 | Unknown | NPOC | C-TOC-9060-W | C22020308-017E | C-TOC-9060-W.met | 1.000 | NPOC:0.4179 |
| 34 | Unknown | NPOC | C-TOC-9060-W | C22020308-017E | C-TOC-9060-W.met | 1.000 | NPOC:0.4130 |
| 35 | Unknown | NPOC | C-TOC-9060-W | C22020308-017E | C-TOC-9060-W.met | 1.000 | NPOC:0.4296 |
| 36 | Unknown | NPOC | C-TOC-9060-W | C22020308-017E | C-TOC-9060-W.met | 1.000 | NPOC:0.4177 |
| 37 | Unknown | NPOC | C-TOC-9060-W | C22020308-022E | C-TOC-9060-W.met | 1.000 | NPOC:0.3214 |
| 38 | Unknown | NPOC | C-TOC-9060-W | C22020308-022E | C-TOC-9060-W.met | 1.000 | NPOC:0.3089 |
| 39 | Unknown | NPOC | C-TOC-9060-W | C22020308-022E | C-TOC-9060-W.met | 1.000 | NPOC:0.3189 |
| 40 | Unknown | NPOC | C-TOC-9060-W | C22020308-022E | C-TOC-9060-W.met | 1.000 | NPOC:0.3133 |
| 41 | Unknown | NPOC | C-TOC-9060-W | C22020308-027E | C-TOC-9060-W.met | 1.000 | NPOC:0.3942 |
| 42 | Unknown | NPOC | C-TOC-9060-W | C22020308-027E | C-TOC-9060-W.met | 1.000 | NPOC:0.4039 |
| 43 | Unknown | NPOC | C-TOC-9060-W | C22020308-027E | C-TOC-9060-W.met | 1.000 | NPOC:0.3970 |
| 44 | Unknown | NPOC | C-TOC-9060-W | C22020308-027E | C-TOC-9060-W.met | 1.000 | NPOC:0.4085 |
| 45 | Unknown | NPOC | C-TOC-9060-W | C22020308-032E | C-TOC-9060-W.met | 1.000 | NPOC:0.2481 |
| 46 | Unknown | NPOC | C-TOC-9060-W | C22020308-032E | C-TOC-9060-W.met | 1.000 | NPOC:0.2448 |
| 47 | Unknown | NPOC | C-TOC-9060-W | C22020308-032E | C-TOC-9060-W.met | 1.000 | NPOC:0.2328 |
| 48 | Unknown | NPOC | C-TOC-9060-W | C22020308-032E | C-TOC-9060-W.met | 1.000 | NPOC:0.2171 |
| 49 | Unknown | NPOC | C-TOC-9060-W | CCV | C-TOC-9060-W.met | 1.000 | NPOC:4.786m |
| 50 | Unknown | NPOC | C-TOC-9060-W | CCV | C-TOC-9060-W.met | 1.000 | NPOC:4.789m |
| 51 | Unknown | NPOC | C-TOC-9060-W | CCV | C-TOC-9060-W.met | 1.000 | NPOC:4.834m |
| 52 | Unknown | NPOC | C-TOC-9060-W | CCV | C-TOC-9060-W.met | 1.000 | NPOC:4.787m |
| 53 | Unknown | NPOC | C-TOC-9060-W | CCB | C-TOC-9060-W.met | 1.000 | NPOC:0.0406 |
| 54 | Unknown | NPOC | C-TOC-9060-W | CCB | C-TOC-9060-W.met | 1.000 | NPOC:0.0370 |
| 55 | Unknown | NPOC | C-TOC-9060-W | CCB | C-TOC-9060-W.met | 1.000 | NPOC:0.0378 |
| 56 | Unknown | NPOC | C-TOC-9060-W | CCB | C-TOC-9060-W.met | 1.000 | NPOC:0.0378 |

| | Notes | Status | Date / Time | Vial |
|----|-------|-----------|-----------------------|------|
| 1 | | Completed | 2/9/2022 3:49:35 PM | 1 |
| 2 | | Completed | 2/9/2022 3:58:59 PM | 1 |
| 3 | | Completed | 2/9/2022 4:09:52 PM | 2 |
| 4 | | Completed | 2/9/2022 4:19:16 PM | 2 |
| 5 | | Completed | 2/9/2022 4:29:31 PM | 3 |
| 6 | | Completed | 2/9/2022 4:38:22 PM | 3 |
| 7 | | Completed | 2/9/2022 4:48:34 PM | 4 |
| 8 | | Completed | 2/9/2022 4:57:18 PM | 4 |
| 9 | | Completed | 2/9/2022 5:08:01 PM | 5 |
| 10 | | Completed | 2/9/2022 5:17:21 PM | 5 |
| 11 | | Completed | 2/9/2022 5:28:08 PM | 6 |
| 12 | | Completed | 2/9/2022 5:37:28 PM | 6 |
| 13 | | Completed | 2/9/2022 5:48:32 PM | 7 |
| 14 | | Completed | 2/9/2022 5:58:16 PM | 7 |
| 15 | | Completed | 2/9/2022 6:09:37 PM | 8 |
| 16 | | Completed | 2/9/2022 6:19:17 PM | 8 |
| 17 | | Completed | 2/9/2022 6:30:46 PM | 9 |
| 18 | | Completed | 2/9/2022 6:40:46 PM | 9 |
| 19 | | Completed | 2/9/2022 6:52:07 PM | 10 |
| 20 | | Completed | 2/9/2022 7:02:04 PM | 10 |
| 21 | | Completed | 2/9/2022 7:13:25 PM | 11 |
| 22 | | Completed | 2/9/2022 7:23:20 PM | 11 |
| 23 | | Completed | 2/9/2022 7:34:42 PM | 12 |
| 24 | | Completed | 2/9/2022 7:44:40 PM | 12 |
| 25 | | Completed | 2/9/2022 7:56:13 PM | 13 |
| 26 | | Completed | 2/9/2022 8:06:24 PM | 13 |
| 27 | | Completed | 2/9/2022 8:18:05 PM | 14 |
| 28 | | Completed | 2/9/2022 8:28:20 PM | 14 |
| 29 | | Completed | 2/9/2022 8:38:58 PM | 15 |
| 30 | | Completed | 2/9/2022 8:48:01 PM | 15 |
| 31 | | Completed | 2/9/2022 8:58:31 PM | 16 |
| 32 | | Completed | 2/9/2022 9:07:32 PM | 16 |
| 33 | | Completed | 2/9/2022 9:19:06 PM | 17 |
| 34 | | Completed | 2/9/2022 9:29:12 PM | 17 |
| 35 | | Completed | 2/9/2022 9:40:52 PM | 18 |
| 36 | | Completed | 2/9/2022 9:50:59 PM | 18 |
| 37 | | Completed | 2/9/2022 10:01:42 PM | 19 |
| 38 | | Completed | 2/9/2022 10:10:51 PM | 19 |
| 39 | | Completed | 2/9/2022 10:21:29 PM | 20 |
| 40 | | Completed | 2/9/2022 10:30:40 PM | 20 |
| 41 | | Completed | 2/9/2022 10:41:51 PM | 21 |
| 42 | | Completed | 2/9/2022 10:51:29 PM | 21 |
| 43 | | Completed | 2/9/2022 11:02:32 PM | 22 |
| 44 | | Completed | 2/9/2022 11:12:14 PM | 22 |
| 45 | | Completed | 2/9/2022 11:23:07 PM | 23 |
| 46 | | Completed | 2/9/2022 11:32:32 PM | 23 |
| 47 | | Completed | 2/9/2022 11:43:23 PM | 24 |
| 48 | | Completed | 2/9/2022 11:52:47 PM | 24 |
| 49 | | Completed | 2/10/2022 12:03:42 AM | 25 |
| 50 | | Completed | 2/10/2022 12:13:05 AM | 25 |
| 51 | | Completed | 2/10/2022 12:23:56 AM | 26 |
| 52 | | Completed | 2/10/2022 12:33:18 AM | 26 |
| 53 | | Completed | 2/10/2022 12:43:31 AM | 27 |
| 54 | | Completed | 2/10/2022 12:52:14 AM | 27 |
| 55 | | Completed | 2/10/2022 1:02:26 AM | 28 |
| 56 | | Completed | 2/10/2022 1:11:10 AM | 28 |

Instr.Information

System TOC4-C
Instrument Options TOC/ASI/

Sample

Sample Name: C-TOC-9060-W
Sample ID: LCS
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

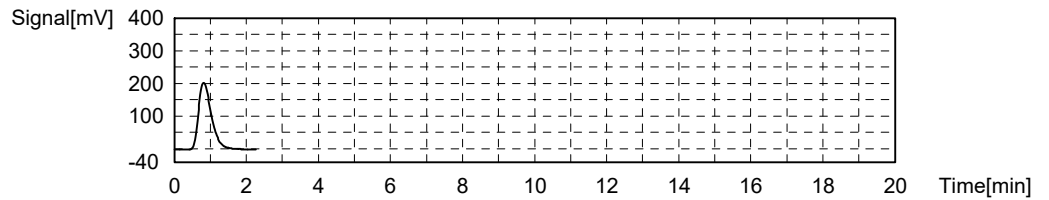
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.076mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 521.3 | 5.076mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 3:49:35 PM |

Mean Area 521.3
Mean Conc. 5.076mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: LCS
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

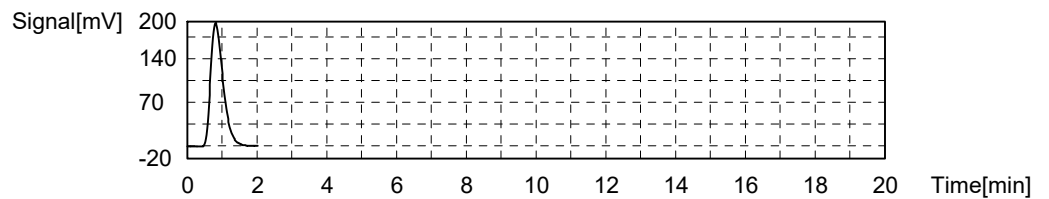
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.958mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 509.1 | 4.958mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 3:58:59 PM |

Mean Area 509.1
Mean Conc. 4.958mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: LCS
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

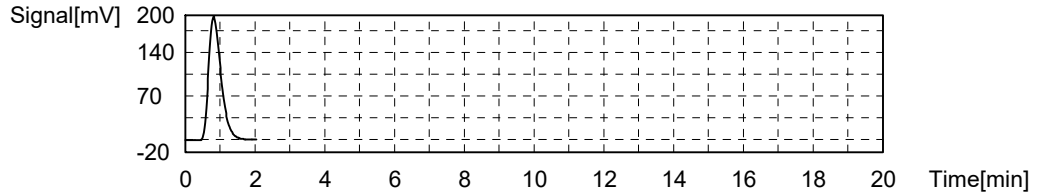
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.935mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 506.8 | 4.935mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 4:09:52 PM |

Mean Area 506.8
 Mean Conc. 4.935mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: LCS
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

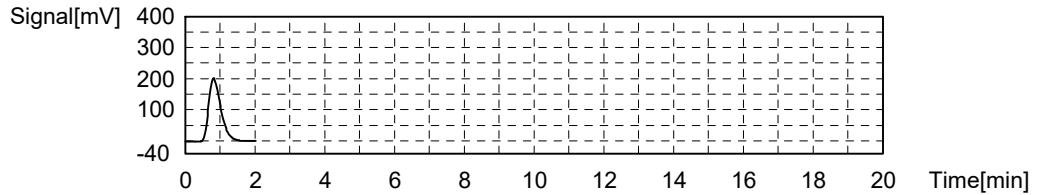
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.963mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 509.6 | 4.963mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 4:19:16 PM |

Mean Area 509.6
 Mean Conc. 4.963mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: MBLK
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

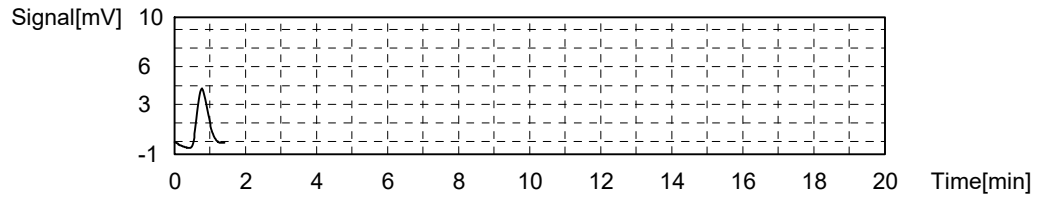
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.09874mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-------------|-----------|-----------|-----|--|---------------------|
| 1 | 10.14 | 0.09874mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 4:29:31 PM |

Mean Area 10.14
 Mean Conc. 0.09874mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: MBLK
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

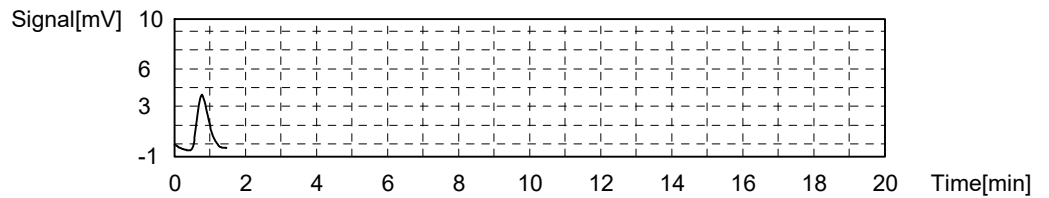
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.09767mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-------------|-----------|-----------|-----|--|---------------------|
| 1 | 10.03 | 0.09767mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 4:38:22 PM |

Mean Area 10.03
 Mean Conc. 0.09767mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: MBLK
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

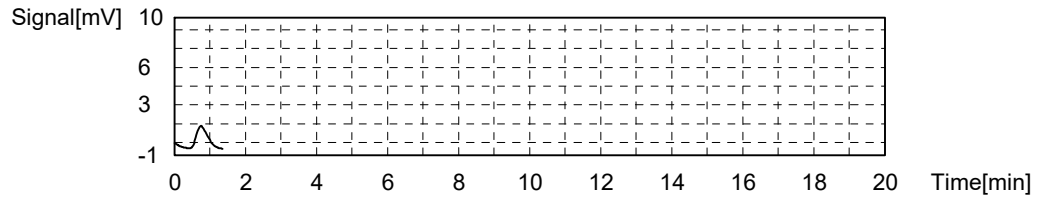
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.03922mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-------------|-----------|-----------|-----|--|---------------------|
| 1 | 4.027 | 0.03922mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 4:48:34 PM |

Mean Area 4.027
Mean Conc. 0.03922mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: MBLK
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

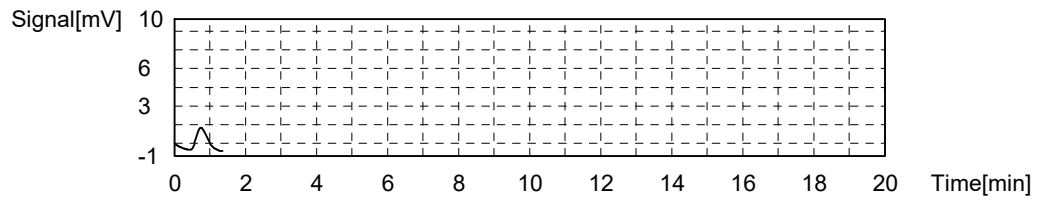
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.03869mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-------------|-----------|-----------|-----|--|---------------------|
| 1 | 3.973 | 0.03869mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 4:57:18 PM |

Mean Area 3.973
Mean Conc. 0.03869mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

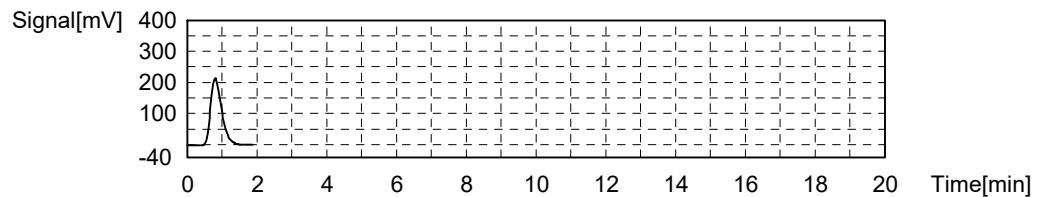
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.777mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 490.5 | 4.777mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 5:08:01 PM |

Mean Area 490.5
Mean Conc. 4.777mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: CCV
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

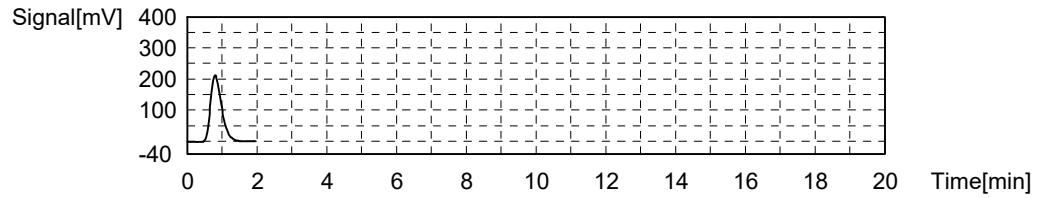
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.763mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 489.1 | 4.763mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 5:17:21 PM |

Mean Area 489.1
 Mean Conc. 4.763mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: CCV
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

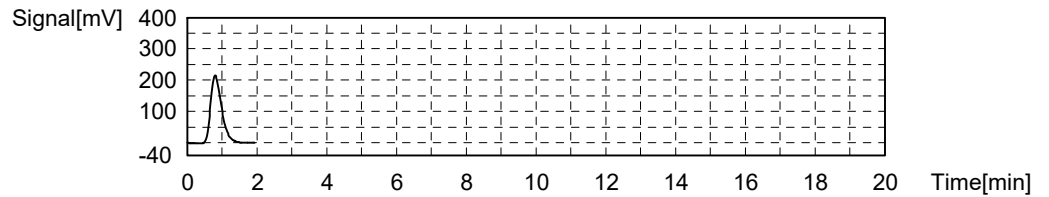
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.779mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 490.8 | 4.779mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 5:28:08 PM |

Mean Area 490.8
 Mean Conc. 4.779mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: CCV
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

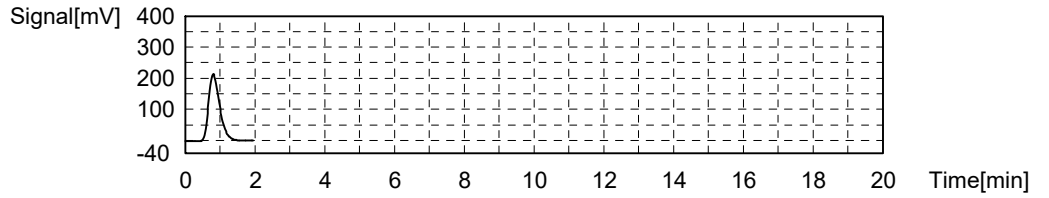
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.785mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 491.4 | 4.785mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 5:37:28 PM |

Mean Area 491.4
Mean Conc. 4.785mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

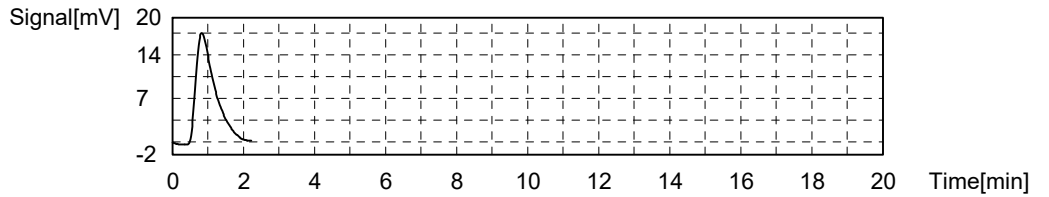
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.6676mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 68.56 | 0.6676mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 5:48:32 PM |

Mean Area 68.56
Mean Conc. 0.6676mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

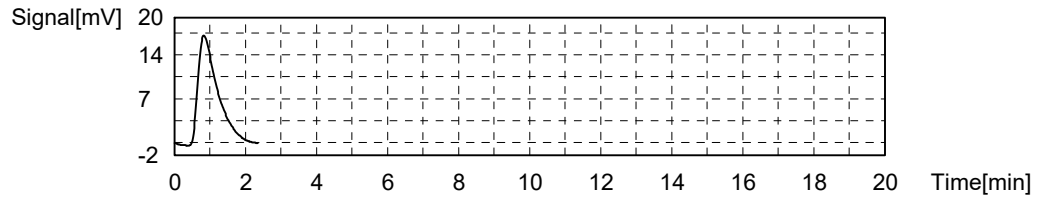
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.6786mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 69.69 | 0.6786mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 5:58:16 PM |

Mean Area 69.69
Mean Conc. 0.6786mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

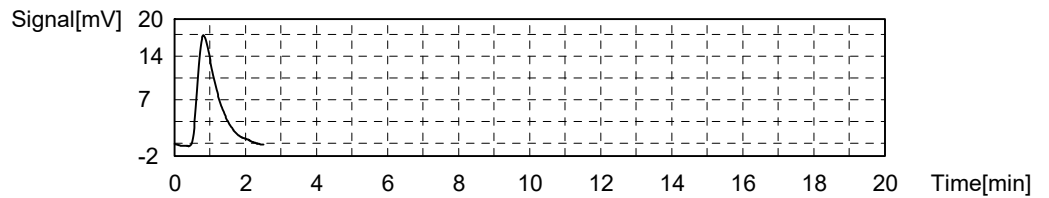
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.6911mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 70.97 | 0.6911mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 6:09:37 PM |

Mean Area 70.97
Mean Conc. 0.6911mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

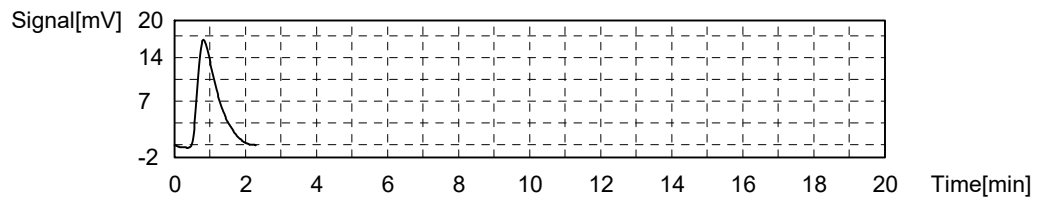
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.6682mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 68.62 | 0.6682mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 6:19:17 PM |

Mean Area 68.62
Mean Conc. 0.6682mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-001EMS
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

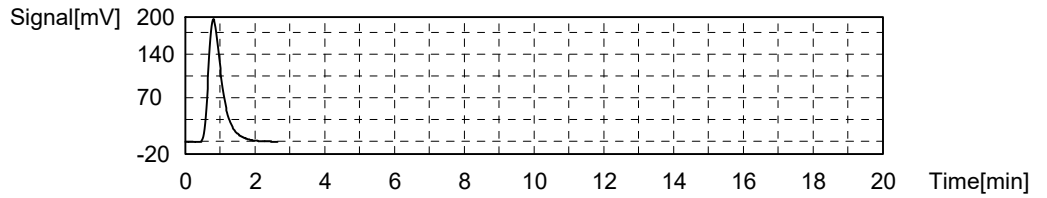
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.447mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 559.4 | 5.447mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 6:30:46 PM |

Mean Area 559.4
 Mean Conc. 5.447mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-001EMS
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

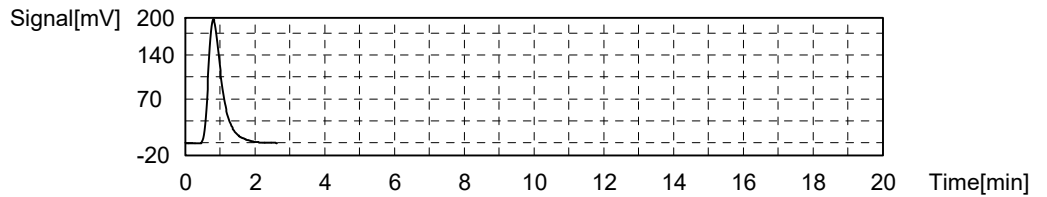
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.471mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 561.8 | 5.471mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 6:40:46 PM |

Mean Area 561.8
 Mean Conc. 5.471mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-001EMS
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

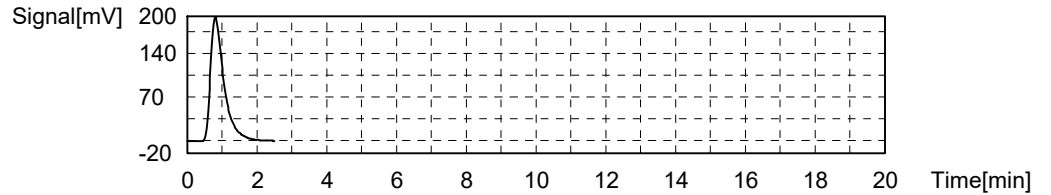
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.402mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 554.7 | 5.402mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 6:52:07 PM |

Mean Area 554.7
Mean Conc. 5.402mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMS
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

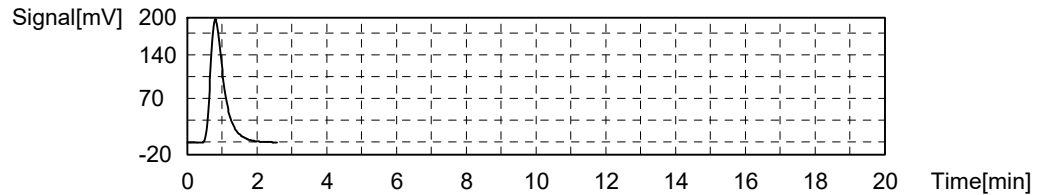
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.402mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 554.7 | 5.402mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 7:02:04 PM |

Mean Area 554.7
Mean Conc. 5.402mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMSD
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

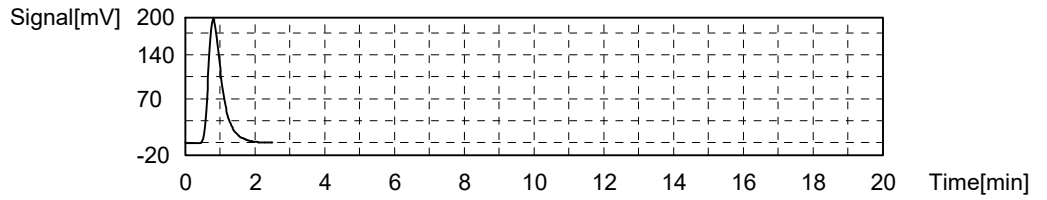
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.451mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 559.8 | 5.451mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 7:13:25 PM |

Mean Area 559.8
Mean Conc. 5.451mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMSD
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

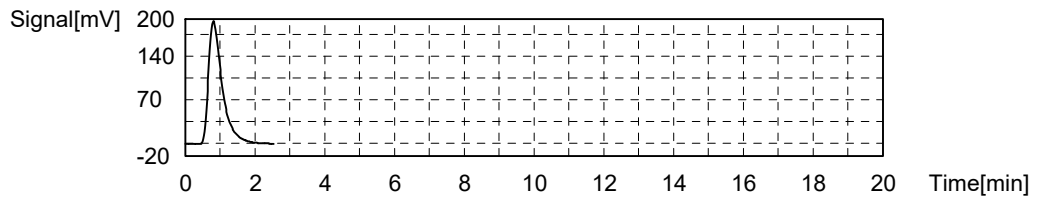
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.455mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 560.2 | 5.455mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 7:23:20 PM |

Mean Area 560.2
Mean Conc. 5.455mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMSD
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

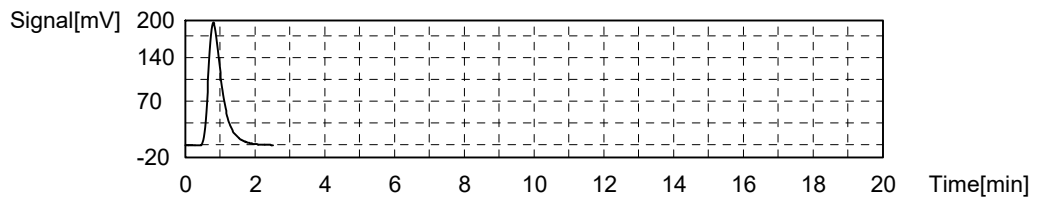
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.434mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 558.0 | 5.434mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 7:34:42 PM |

Mean Area 558.0
Mean Conc. 5.434mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-001EMSD
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

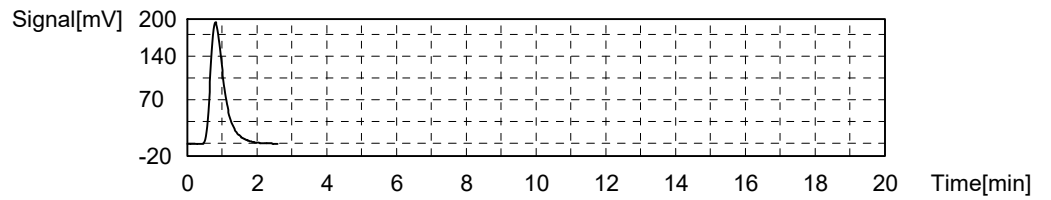
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:5.405mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 555.0 | 5.405mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 7:44:40 PM |

Mean Area 555.0
 Mean Conc. 5.405mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-006E
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

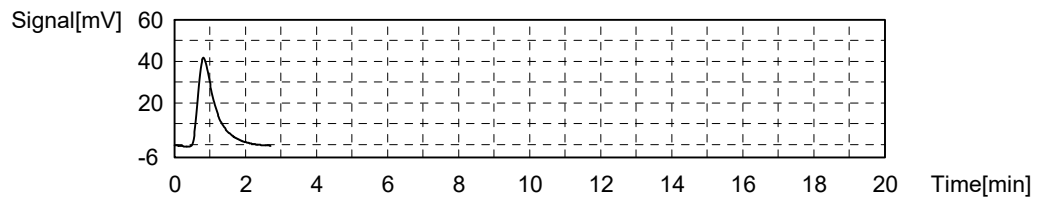
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:1.462mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 150.1 | 1.462mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 7:56:13 PM |

Mean Area 150.1
 Mean Conc. 1.462mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-006E
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

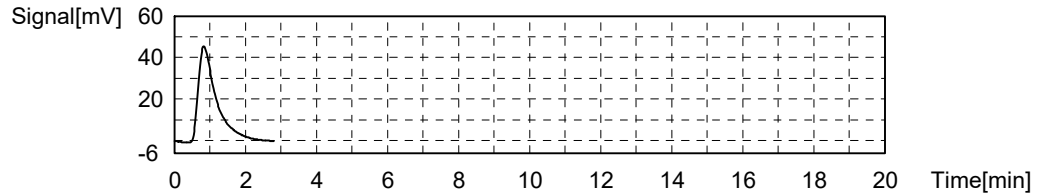
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:1.662mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 170.7 | 1.662mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 8:06:24 PM |

Mean Area 170.7
Mean Conc. 1.662mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-006E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

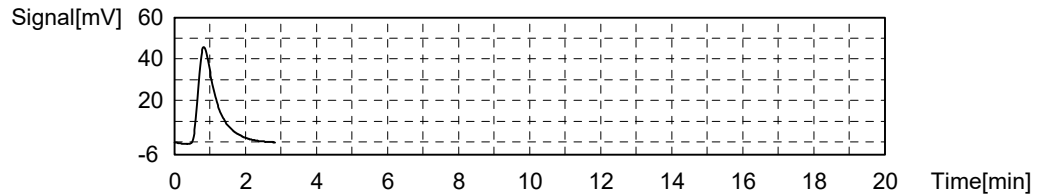
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:1.673mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 171.8 | 1.673mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 8:18:05 PM |

Mean Area 171.8
Mean Conc. 1.673mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-006E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

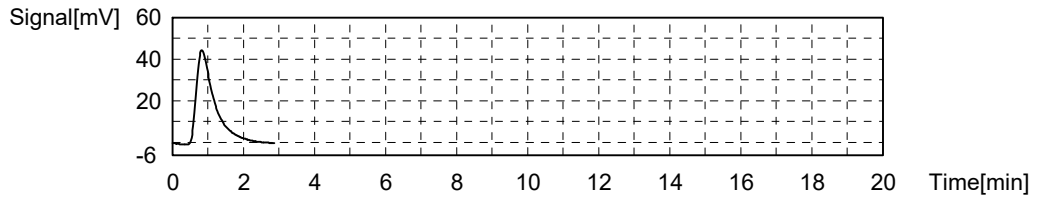
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:1.637mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|---------------------|
| 1 | 168.1 | 1.637mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 8:28:20 PM |

Mean Area 168.1
Mean Conc. 1.637mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-011E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

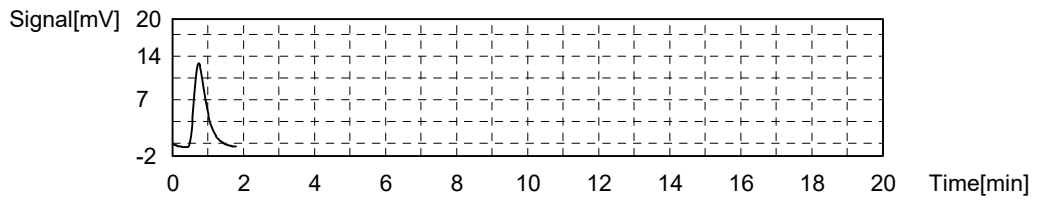
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.3322mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 34.11 | 0.3322mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 8:38:58 PM |

Mean Area 34.11
Mean Conc. 0.3322mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-011E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

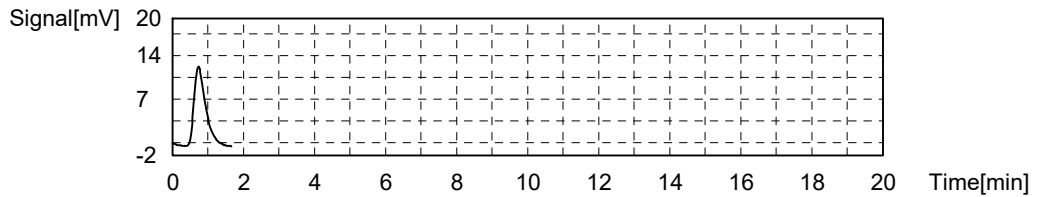
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.2916mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 29.94 | 0.2916mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 8:48:01 PM |

Mean Area 29.94
Mean Conc. 0.2916mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-011E
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

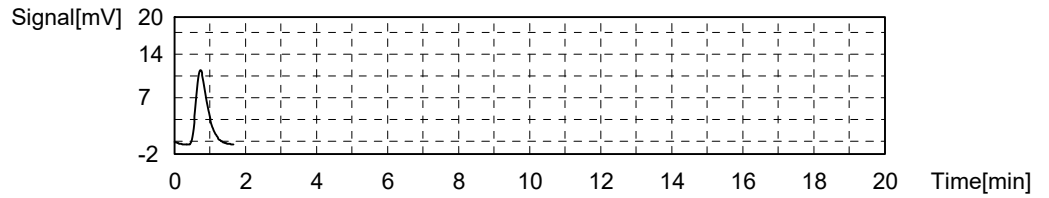
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.2769mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 28.43 | 0.2769mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 8:58:31 PM |

Mean Area 28.43
 Mean Conc. 0.2769mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-011E
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

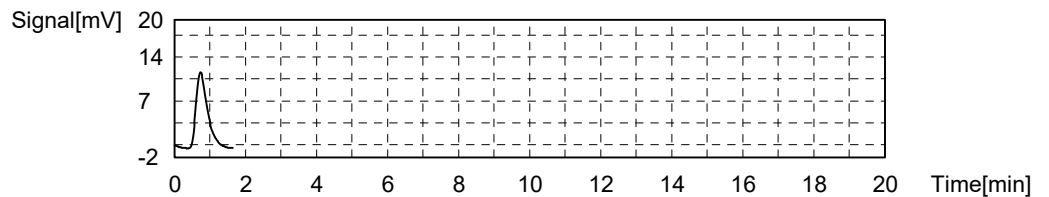
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.2746mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 28.20 | 0.2746mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 9:07:32 PM |

Mean Area 28.20
 Mean Conc. 0.2746mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-017E
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

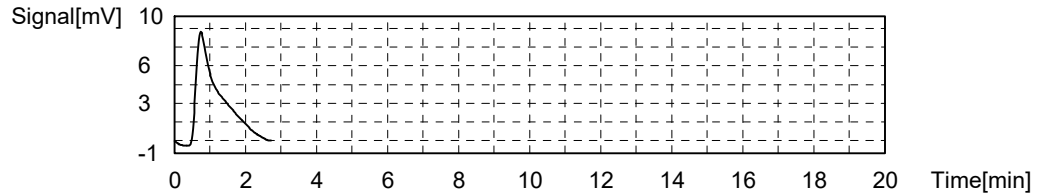
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.4179mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 42.91 | 0.4179mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 9:19:06 PM |

Mean Area 42.91
Mean Conc. 0.4179mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-017E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

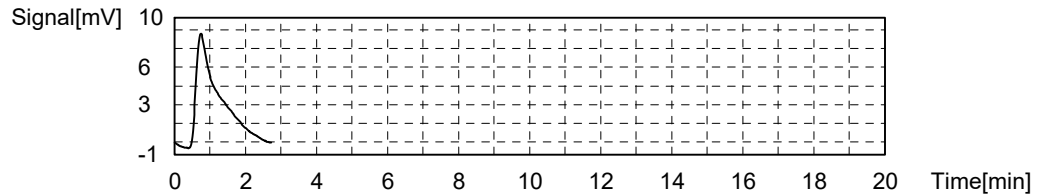
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.4130mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 42.41 | 0.4130mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 9:29:12 PM |

Mean Area 42.41
Mean Conc. 0.4130mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-017E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

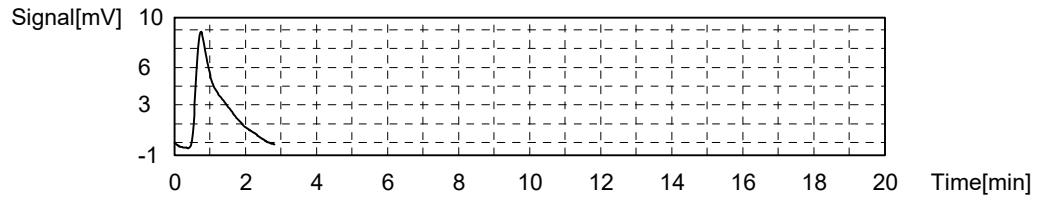
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.4296mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 44.12 | 0.4296mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 9:40:52 PM |

Mean Area 44.12
Mean Conc. 0.4296mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-017E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

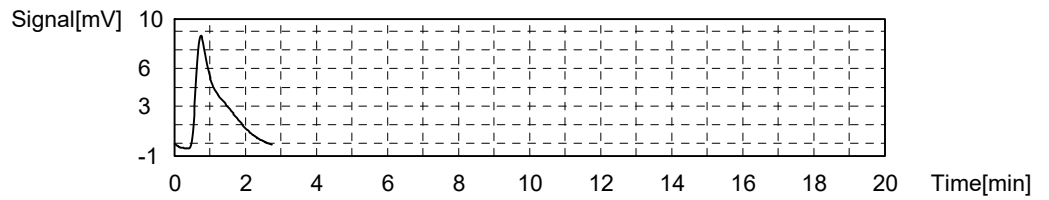
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.4177mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|---------------------|
| 1 | 42.89 | 0.4177mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 9:50:59 PM |

Mean Area 42.89
Mean Conc. 0.4177mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-022E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

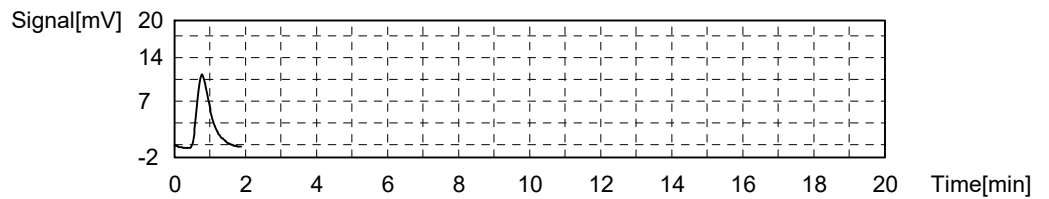
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.3214mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 33.00 | 0.3214mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 10:01:42 PM |

Mean Area 33.00
Mean Conc. 0.3214mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-022E
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

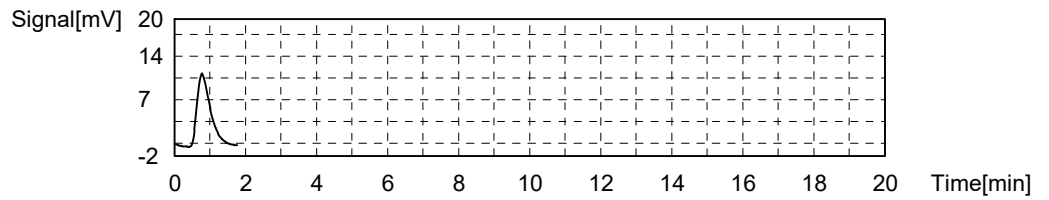
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.3089mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 31.72 | 0.3089mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 10:10:51 PM |

Mean Area 31.72
 Mean Conc. 0.3089mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-022E
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

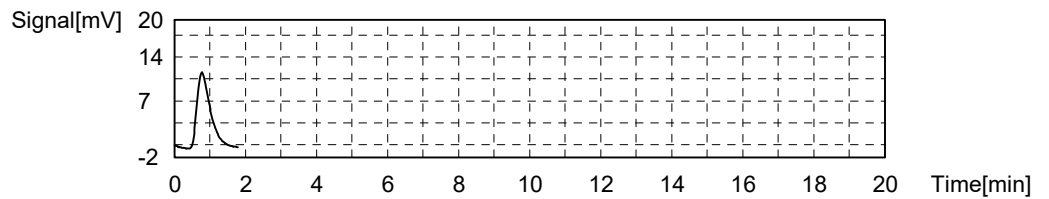
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.3189mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 32.75 | 0.3189mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 10:21:29 PM |

Mean Area 32.75
 Mean Conc. 0.3189mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-022E
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

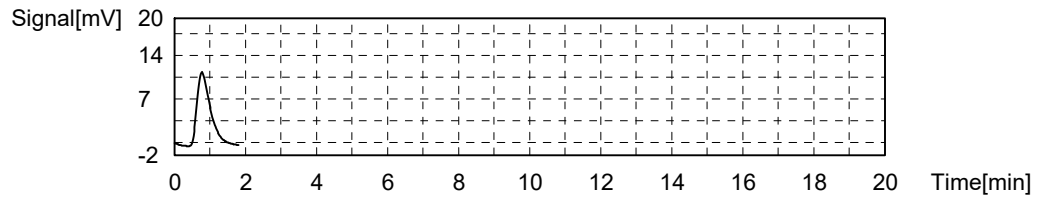
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.3133mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 32.17 | 0.3133mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 10:30:40 PM |

Mean Area 32.17
Mean Conc. 0.3133mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-027E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

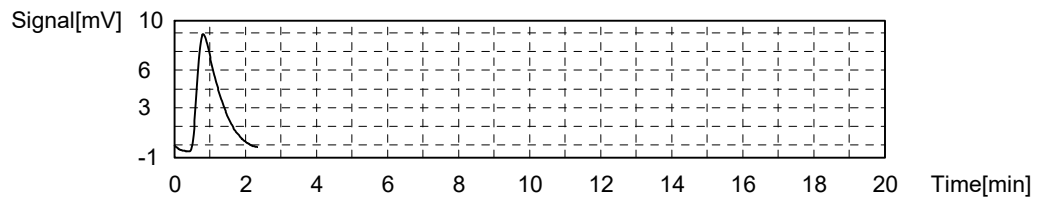
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.3942mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 40.48 | 0.3942mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 10:41:51 PM |

Mean Area 40.48
Mean Conc. 0.3942mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-027E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

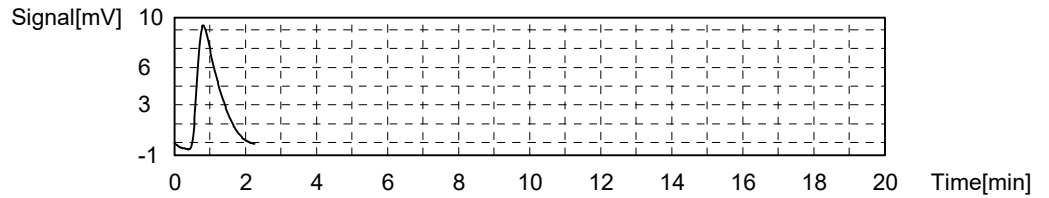
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.4039mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 41.48 | 0.4039mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 10:51:29 PM |

Mean Area 41.48
Mean Conc. 0.4039mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-027E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

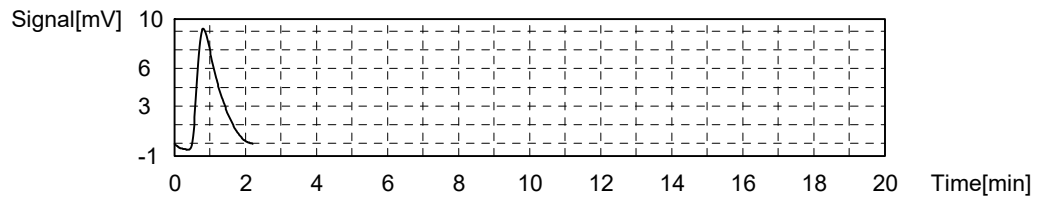
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.3970mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 40.77 | 0.3970mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 11:02:32 PM |

Mean Area 40.77
Mean Conc. 0.3970mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-027E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

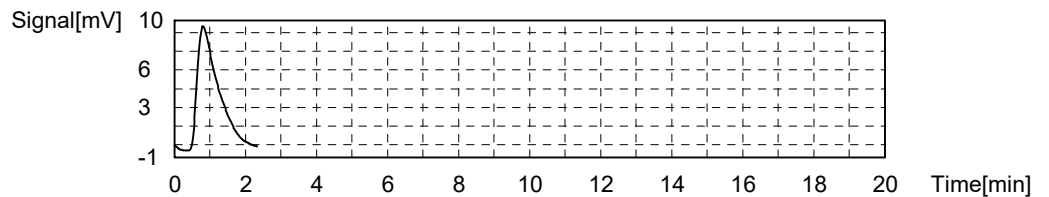
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.4085mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 41.95 | 0.4085mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 11:12:14 PM |

Mean Area 41.95
Mean Conc. 0.4085mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-032E
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

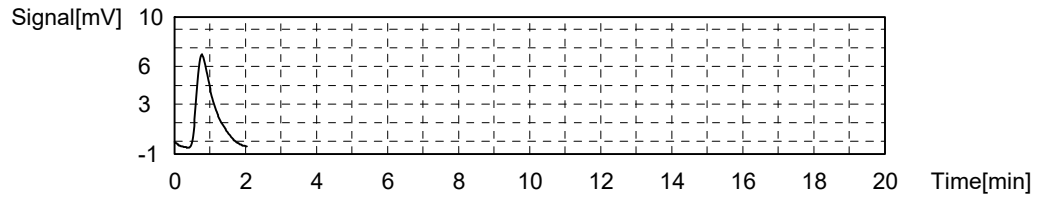
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.2481mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 25.48 | 0.2481mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 11:23:07 PM |

Mean Area 25.48
 Mean Conc. 0.2481mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-032E
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

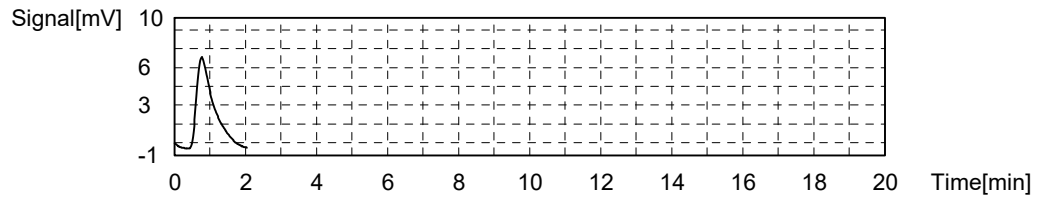
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.2448mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 25.14 | 0.2448mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/9/2022 11:32:32 PM |

Mean Area 25.14
 Mean Conc. 0.2448mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: C22020308-032E
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

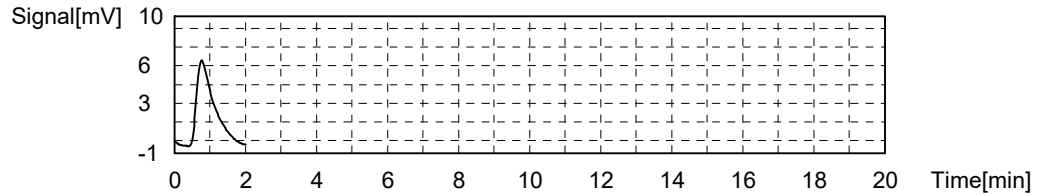
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.2328mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 23.91 | 0.2328mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 11:43:23 PM |

Mean Area 23.91
Mean Conc. 0.2328mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-032E
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

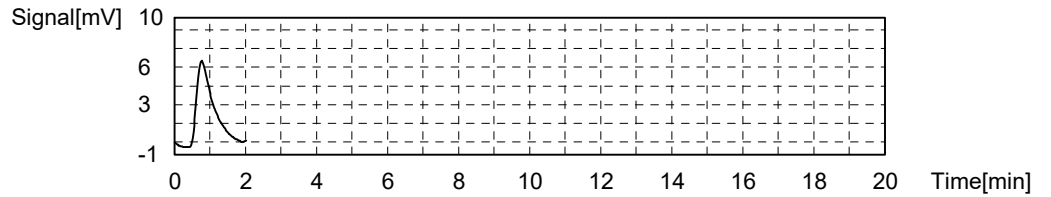
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|-----------------|
| Unknown | NPOC | 1.000 | NPOC:0.2171mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|------------|-----------|-----------|-----|--|----------------------|
| 1 | 22.29 | 0.2171mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/9/2022 11:52:47 PM |

Mean Area 22.29
Mean Conc. 0.2171mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

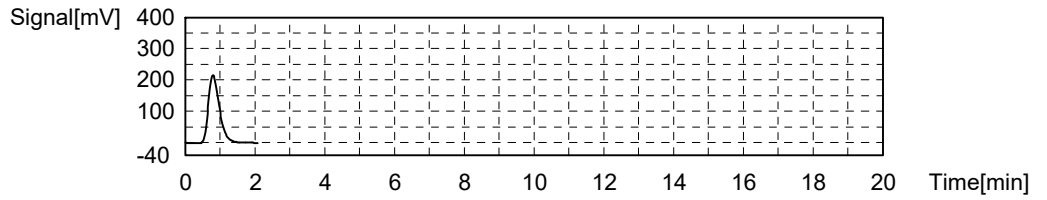
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.786mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|-----------------------|
| 1 | 491.5 | 4.786mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/10/2022 12:03:42 AM |

Mean Area 491.5
Mean Conc. 4.786mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

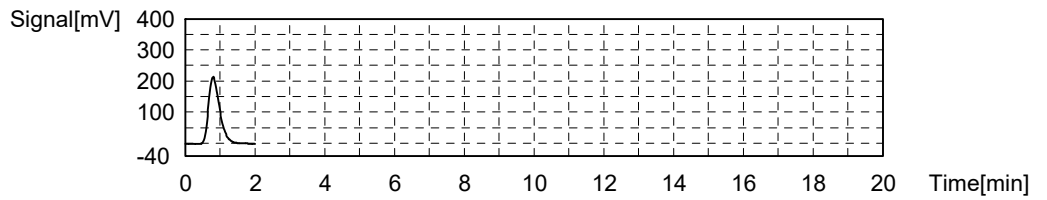
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.789mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|-----------------------|
| 1 | 491.8 | 4.789mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/10/2022 12:13:05 AM |

Mean Area 491.8
Mean Conc. 4.789mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

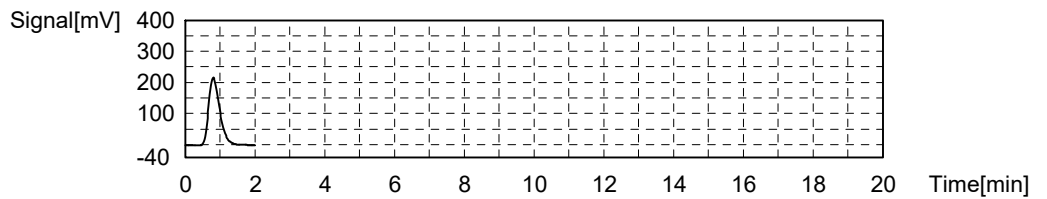
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.834mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|-----------------------|
| 1 | 496.4 | 4.834mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/10/2022 12:23:56 AM |

Mean Area 496.4
Mean Conc. 4.834mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: CCV
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

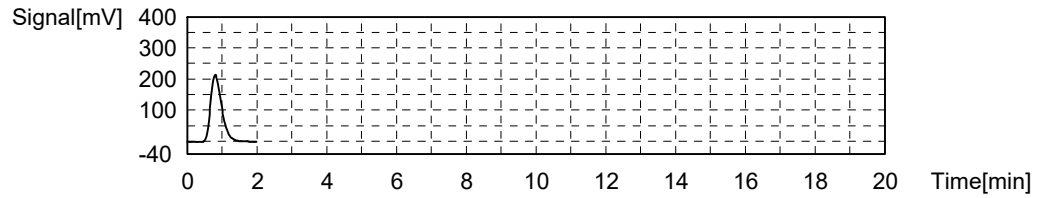
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|----------------|
| Unknown | NPOC | 1.000 | NPOC:4.787mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-----------|-----------|-----------|-----|--|-----------------------|
| 1 | 491.6 | 4.787mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/10/2022 12:33:18 AM |

Mean Area 491.6
 Mean Conc. 4.787mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: CCB
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

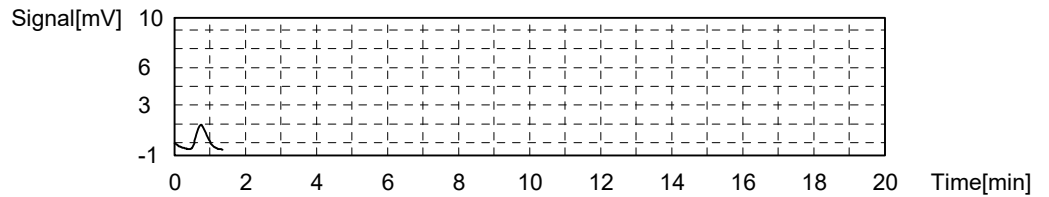
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.04066mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-------------|-----------|-----------|-----|--|-----------------------|
| 1 | 4.175 | 0.04066mg/L | 1250uL | 1 | | 0-20 NPOC_220126B.2022_01_26_15_38_52.ca | 2/10/2022 12:43:31 AM |

Mean Area 4.175
 Mean Conc. 0.04066mg/L



Sample

Sample Name: C-TOC-9060-W
 Sample ID: CCB
 Origin: C-TOC-9060-W.met
 Status: Completed
 Chk. Result

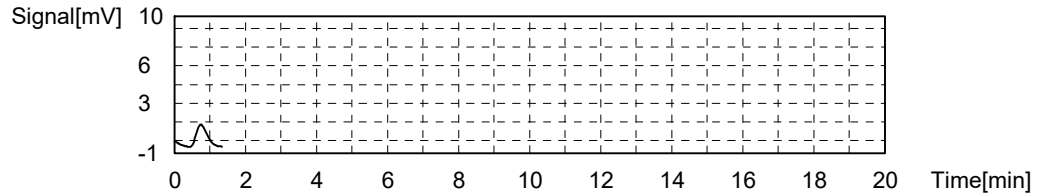
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.03701mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-------------|-----------|-----------|-----|--|-----------------------|
| 1 | 3.801 | 0.03701mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/10/2022 12:52:14 AM |

Mean Area 3.801
Mean Conc. 0.03701mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCB
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

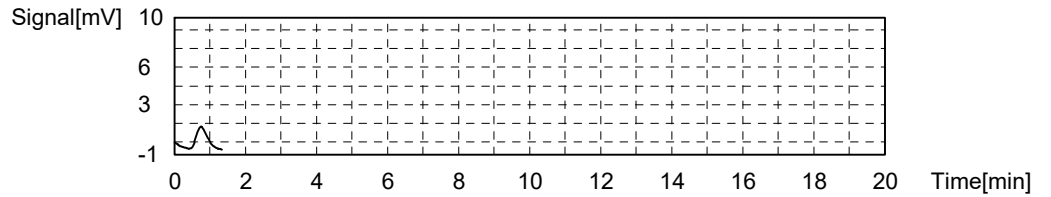
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.03783mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-------------|-----------|-----------|-----|--|----------------------|
| 1 | 3.885 | 0.03783mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/10/2022 1:02:26 AM |

Mean Area 3.885
Mean Conc. 0.03783mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCB
Origin: C-TOC-9060-W.met
Status: Completed
Chk. Result

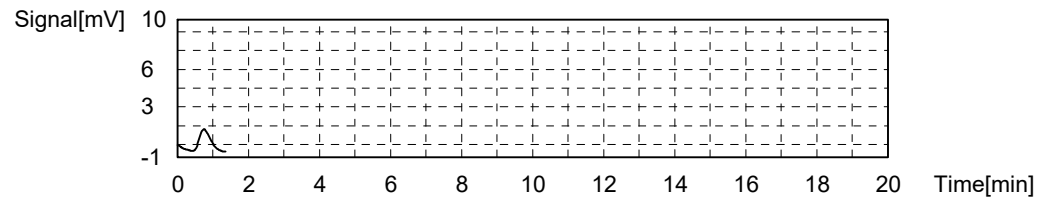
| Type | Anal. | Manual Dilution | Result |
|---------|-------|-----------------|------------------|
| Unknown | NPOC | 1.000 | NPOC:0.03780mg/L |

1. Det

Anal.: NPOC

| No. | Area | Conc. | Inj. Vol. | Aut. Dil. | Ex. | Cal. Curve | Date / Time |
|-----|-------|-------------|-----------|-----------|-----|--|----------------------|
| 1 | 3.882 | 0.03780mg/L | 1250uL | 1 | | 0-20 NPOC 220126B.2022_01_26_15_38_52.ca | 2/10/2022 1:11:10 AM |

Mean Area 3.882
Mean Conc. 0.03780mg/L



Standards

| Std ID |
|------------------------------|
| Na Persulfate 12% 211108 |
| NTS AQ DOC A5310C DOC 092221 |
| NTS AQ TOC A5310C DOC 092321 |
| Phosphoric Acid 201124 |
| Phosphoric Water 211108 |
| TOC4_ICAL_220127 |

Reagents

| Reagent Name | Number | SampType |
|-------------------------------------|--------|------------|
| Puradisc 25 Syringe Filter-16950886 | 11023 | |
| Organic Carbon Standard-2111C03 | 12375 | LCS,MS,MSD |
| Organic Carbon Standard-710920m | 11940 | CCV,ICAL |
| Nitrogen UHP - 1-182-304 | 12104 | |

Energy Laboratories, Inc.

Standard LOG

Standard ID: NA PERSULFATE 12% 211108
Standard Name: Sodium Persulfate 12%
Date Prepared: 11/8/2021
Date Expires: 11/8/2022
Department: INORG
Vendor:
Lot Number:
Balance ID: BAL-109
Comments:

Type: Secondary
BY: Nils T. Schenck
Status: Open

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp |
|-------------------------------------|----------|-----|-------|-------|
| Phosphoric Acid - 60151 | 11571 | 30 | mL | 6/25/ |
| Solution-2000-D | 9959 | 970 | mL | 2/8/2 |
| Sodium peroxydisulfate, 98% - Z30G0 | 11981 | 120 | g | 12/14 |

Final Volume: 1000 mL

Stock Source

Base Units

Amount Added

Analvtes

CAS

Conc: ug/mL

Energy Laboratories, Inc.

Standard LOG

Standard ID: PHOSPHORIC ACID 201124
Standard Name: Phosphoric Acid 20%
Date Prepared: 11/24/2020
Date Expires: 1/8/2023
Department: INORG
Vendor:
Lot Number:
Balance ID:
Comments:

Type: Secondary
BY: Heather Townsend
Status: Open

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp |
|-------------------------|----------|-----|-------|-------|
| Phosphoric Acid - 60151 | 11571 | 200 | mL | 6/25/ |
| Solution-2000-D | 9959 | 800 | mL | 2/8/2 |

Final Volume: 1000 mL

Stock Source

Base Units

Amount Added

Analyses

CAS

Conc: ug/mL

Energy Laboratories, Inc.

Standard LOG

Standard ID: PHOSPHORIC WATER 211108
Standard Name: Phosphoric Water
Date Prepared: 11/8/2021
Date Expires: 1/8/2023
Department: INORG
Vendor:
Lot Number:
Balance ID:
Comments:

Type: Secondary
BY: Nils T. Schenck
Status: Open

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp |
|-------------------------|----------|------|-------|---------|
| Solution-2000-D | 9959 | 2496 | mL | 2/8/21 |
| Phosphoric Acid - 60151 | 11571 | 4 | mL | 6/25/21 |

Final Volume: 2500 mL

Stock Source

Base Units

Amount Added

Analyses

CAS

Conc: ug/mL

Certificate of Analysis



Date of Release: 6/17/2020
 Name: Phosphoric Acid (Orthophosphoric Acid)
 85% w/w, GR ACS
 Meets ACS Specifications
 Item No: PX0995 all size codes
 Lot / Batch No: 60151
 Country of Origin: Switzerland

| Characteristic | Requirement | | Results | Units |
|---------------------------------|-------------|-------|--------------|-------|
| | Min. | Max. | | |
| Antimony (Sb) | | 0.002 | ≤ 0.0002 | % |
| Arsenic (As) | | 1 | ≤ 1 | ppm |
| Assay | 85.0 | | 85.9 | % |
| Calcium (Ca) | | 0.002 | ≤ 0.0001 | % |
| Chloride (Cl) | | 3 | ≤ 3 | ppm |
| Color (APHA) | | 10 | ≤ 10 | |
| Form | | | Clear liquid | |
| Heavy metals (as Pb) | | 0.001 | ≤ 0.0001 | % |
| Insoluble matter | | 0.001 | ≤ 0.001 | % |
| Iron (Fe) | | 0.003 | ≤ 0.0003 | % |
| Magnesium (Mg) | | 0.002 | ≤ 0.0001 | % |
| Manganese (Mn) | | 0.5 | ≤ 0.05 | ppm |
| Nitrate (NO3) | | 5 | ≤ 5 | ppm |
| Potassium (K) | | 0.005 | ≤ 0.0001 | % |
| Reducing substances | | | Passes test | |
| Sodium (Na) | | 0.025 | ≤ 0.0001 | % |
| Sulfate (SO4) | | 0.003 | ≤ 0.0003 | % |
| Volatile acids (as acetic acid) | | 0.001 | ≤ 0.001 | % |

Heather Sinn,

Quality Control Manager

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EMD Millipore is a division of Merck KGaA, Darmstadt, Germany
 EMD Millipore Corporation
 400 Summit Drive,
 Burlington, MA 01803
 U.S.A

ID #: 11571

Opened: _____

Phosphoric Acid - 60151

Expires: 6/25/2025

Rec'd: 6/25/2020

Energy Laboratories, Inc. 2393 Salt Creek Hwy
 Casper WY 82601-9601

Type I Ultra-Low TOC Analytical Grade DI Systems

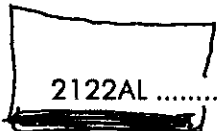
General Description & Specifications



Model Number General Description - Type I DI Systems

2121AL Type I Ultra-Low TOC Analytical Grade DI System for operation on pretreated water (water that has been pretreated via reverse osmosis, distillation or deionization by a central or point-of-use pretreatment system, and contains less than 20 ppm of total dissolved solids).

Requires Purification Kit Number 2613M1L (not included in system price). Kit includes activated carbon prefilter capsule, high purity TOC reduction DI module, and final filter capsule.



2122AL Type I Ultra-Low TOC Analytical Grade DI System for operation on ordinary tap water containing up to 170 ppm of TDS (total dissolved solids).

Requires Purification Kit Number 2613M2L (not included in system price). Kit includes activated carbon prefilter capsule, two high purity TOC reduction DI modules, and final filter capsule.

Upgradeability Any of these systems can be field upgraded or modified to become any other Type I system.

Model Number General Description - Combination Reverse Osmosis plus Type I DI Systems

RODI-C-12AL Combination Reverse Osmosis plus Type I Ultra-low TOC Analytical Grade DI System.

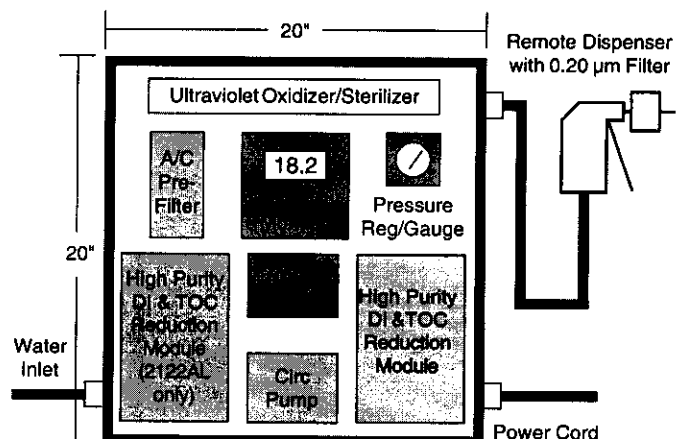
Requires Purification Kit Number 2613M1L-A (not included in system price). Kit includes high purity TOC reduction DI module, and a final filter capsule. See brochure RODI-C for details.

More information For Basic Analytical Grade Systems, request brochure #: T1-A.
 For Biological Grade Systems, request brochure #: T1-B.
 For Ultra-Low TOC Biological Grade Systems, request brochure #: T1-BL.
 For Combination Reverse Osmosis plus Type I DI Systems, request brochure #: RODI-C.
 For Reverse Osmosis and/or Type II DI Systems, request brochure #: T2-RO.
 For High Flow (8-12 Liters/minute) Systems, contact your sales person.

System and Purified Water Specifications

| | |
|--|--|
| DI capacity 2121AL and RODI-C 12AL | *2,000 |
| DI capacity 2122AL | *4,000 |
| *(grains of ion exchange capacity as CaCO ₃) | |
| Resistivity | 18.2 Megohm-cm |
| TOC | <5 PPB |
| Bacteria | <1 cfu/ml |
| Continuous flow rate | 2-Liters/minute |
| Cabinet depth | 12" (305 mm) |
| Cabinet width | 20" (508 mm) |
| Cabinet height | 20" (508 mm) |
| External power supply input | 100-240 VAC, 50/60 Hz |
| Internal power | 12 VDC @ 2.5 Amps from external supply |
| Minimum inlet pressure | 35 PSIG (2.3 Bar) |
| Maximum inlet pressure | 100 PSIG (6.7 Bar) |
| Shipping weight | 40-55 lbs (18-25 kg) |
| Operating weight | 55-70 lbs (25-32 kg) |
| Inlet connection | 1/4" or 3/8" NPT |

| | |
|--|--|
| ID #: 9960 | ID #: 9959 |
| Opened: _____ | Opened: _____ |
| Solution-2000-I | Solution-2000-D |
| Expires: 4/14/2018 | Expires: 4/14/2018 |
| Rec'd: 9/21/2017 | Rec'd: 9/21/2017 |
| Energyl Laboratories, Inc. 2393 Salt Creek Hwy | Energyl Laboratories, Inc. 2393 Salt Creek Hwy |
| Casper WY 82602-0247 | Casper WY 82602-0247 |



AQUA SOLUTIONS

Type I Ultra-Low TOC Analytical Grade DI Systems

Features and Benefits

- ◆ Produces 18 Megohm-cm Type I water
- ◆ Ultra-Low trace organics - (TOC <5 PPB)
- ◆ Exceeds ASTM, CAP, CLSI & USP Specs
- ◆ Accepts 100-240 VAC, 50/60 Hz power
- ◆ System runs on 12 VDC internal power
- ◆ Certified by CSA for the US & Canada
- ◆ Can be bench, shelf or wall-mounted
- ◆ CE marked for export to Europe, Etc
- ◆ Remote dispenser included in price
- ◆ 2-Year warranty - (Most Countries)
- ◆ Meets current USP specifications
- ◆ User installable and serviceable
- ◆ 0.2 micron final filter capsule
- ◆ DI modules can be recycled
- ◆ Complete instrumentation
- ◆ Fully automatic operation
- ◆ Continuous recirculation
- ◆ Made in the USA



AQUA SOLUTIONS, INC.
8 Old Burnt Mountain Road
Jasper, GA 30143 USA
Phones: 706-692-9200
800-458-2021
Fax: 706-692-9203
E-mail: mail@AquaA.com
Internet: www.AquaA.com

Product Availability

AQUA SOLUTIONS Type I Ultra-Low TOC Analytical Grade DI Systems produce Type I reagent grade water that meets or exceeds ASTM, CAP, CLSI, and USP specifications.

These systems include a built-in, dual-wavelength ultraviolet (UV) oxidizer/sterilizer to reduce TOC to <5 PPB. The UV includes an LED display and audible alarms to monitor UV lamp performance.

They are recommended for laboratory applications requiring Type I water that contains little, if any, TOC (trace organic carbon).

Chemical Applications include AA, GC, HPLC, IC, ICP, IR, MS, heavy or trace metals, environmental testing, TOC, TOX, TCLP, VOC, electrochemistry, and toxicity testing, where ultra-low TOC Type I water is required.

Biological Applications include those that are sensitive to TOC, (where endotoxin/pyrogen levels are NOT critical).

AQUA SOLUTIONS Type I DI systems dispense purified water at the rate of 2-Liters/minute. Higher flow rate systems (8-12 Liters/minute) are available.

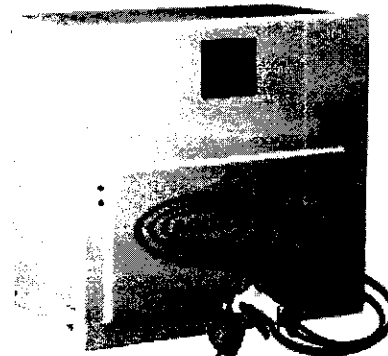
AQUA SOLUTIONS Ultra-Low TOC analytical grade systems are designed to operate on *ordinary tap water*, or water that has been pretreated via reverse osmosis, distillation, or deionization by a central or point-of-use system.

For those installations where the incoming tap water feed contains more than 170 ppm of TDS (total dissolved solids), and/or the average daily purified water usage exceeds 20 Liters/day, reverse osmosis (RO) pretreatment should be considered (see next paragraph).

AQUA SOLUTIONS Type I Ultra-Low TOC DI Systems can also be purchased with a *built-in 10 or 20 Liter/hour RO pretreatment system*, all in a single cabinet measuring just 20" (508 mm) wide by 20" (508 mm) high by 12" (305 mm) deep - see page 2 for details!

And, if more RO capacity is required to feed multiple systems, or other applications, individual **AQUA SOLUTIONS** RO systems are available in 10, 20, 30, and 60 Liter/hour and higher configurations.

AQUA SOLUTIONS Type I Ultra-Low TOC Systems offer many features and benefits, and higher capacities that are not found on many other systems. **And, they are very competitively priced!**



Product No.: 54100
Product: Sodium peroxydisulfate, 98%
Lot No.: Z30G002

| | |
|---------------------|----------------|
| Appearance | White crystals |
| Assay | 99.2 % |
| Active oxygen | 6.67 % |
| Ammonium persulfate | 0.003 % |
| Sodium sulfate | 0.75 % |
| Insolubles, aqueous | 52 ppm |
| Iron | 3 ppm |
| Moisture at 60°C | 0.01 % |

Retest date: December 14, 2030

Order our products online alfa.com

This document has been electronically generated and does not require a signature.

This is to certify that units of the lot number above 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 purchaser, formulator or those performing further manufacturing 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 above information is the actual analytical results obtained.

ID #: 11981
Opened: _____
Sodium peroxydisulfate, 98% - Z30G002
Expires: 12/14/2030
Rec'd: 4/16/2021
Energy Laboratories Inc. 2393 Salt Creek Hwy
Casper WY 82601-6601

Energy Laboratories, Inc.

Standard LOG

Standard ID: TOC4_ICAL_220127
Standard Name: TOC4 Calibration
Date Prepared: 1/27/2022
Date Expires: 9/28/2022
Department: INORG
Vendor:
Lot Number:
Balance ID:
Type: Secondary
BY: Nils T. Schenck
Status: Open
Comments: Calibration levels and concentrations per SOP 50-227-06

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp |
|---------------------------------|----------|-----|-------|-------|
| Organic Carbon Standard-710920m | 11940 | | mL | 9/28/ |
| Solution-2000-D | 9959 | | mL | 1/21/ |

Final Volume: 1000 mL

Stock Source

Base Units

Amount Added

Analvtes

CAS

Conc: **ug/mL**



▪ Certificate of Analysis ▪

A Waters Company

Product: 1000 mg/L Total Organic Carbon (TOC)
Catalog Number: 978
Lot No. 710920m
Starting Material: Glucose (C₆H₁₂O₆)
Matrix: 18 megohm deionized water and 0.5% (v/v) H₂SO₄
Density: 1.0037 ± 0.0006 g/ml at 20.1 °C and 762 mm Hg
Verification Method: UV Persulfate/Conductometric TOC
Certificate Issue Date: November 2, 2020
Expiration Date: September 28, 2022
Revision Number: Original

CERTIFICATION

| Parameter | Certified Value ¹ | Uncertainty ² | NIST Traceability | |
|----------------------------|------------------------------|--------------------------|-------------------------|------------|
| | | | SRM Number ³ | Recovery % |
| Total Organic Carbon (TOC) | 1000 | 2.49 | 84I | 101 |

ID #: 11940

Opened: _____
 Organic Carbon Standard-710920m
 Expires: 9/28/2022
 Rec'd: 3/17/2021
 Energy Laboratories, Inc. 2393 Salt Creek Hwy
 Casper WY 82601-9601

Certificate of Conformity

Whatman™

Product Information

Product Number: 6753-2504

Product Name: Puradisc 25 Syringe Filter, 0.45 µm, nylon, 1000/pk

Lot Number/Serial Number: 16950886

Conformance & Quality systems statement

This is to certify that this product conforms to GE Healthcare Life Sciences specifications.

All products are manufactured via a Quality System certified to **BS EN ISO9001:2008** and tested in accordance with documented quality procedures and approved as a result of meeting the required specification

Electronic signature

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

ID #: 11023

Opened: _____

Puradisc 25 Syringe Filter-16950886

Expires: 8/6/2024

Rec'd: 8/6/2019

Energy Laboratories, Inc. 2393 Salt Creek Hwy
Casper WY 82601-9601

Version AA



imagination at work

www.gelifesciences.com

GE Healthcare UK Limited
Amersham Place Little Chalfont
Buckinghamshire HP7 9NA UK

Certificate of Analysis

Organic Carbon Standard, 1000 ppm C

Lot Number: 2111C03

Product Number: 1847

Manufacture Date: NOV 09, 2021

Expiration Date: OCT 2022

The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is based upon the volumetric method of preparation.

| Name | CAS# | Grade |
|--------------------------|-----------|-----------------|
| Water | 7732-18-5 | ACS/ASTM/USP/EP |
| Phosphoric Acid | 7664-38-2 | ACS |
| Potassium Acid Phthalate | 877-24-7 | ACS Acidimetric |

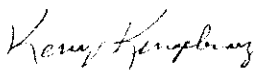
| Test | Specification | Result |
|------------|------------------|----------|
| Appearance | Colorless liquid | Passed |
| Carbon (C) | 995-1005 ppm | 1000 ppm |

| Specification | Reference |
|--|---------------------|
| Organic Carbon Stock Solution | APHA (5310 B) |
| Potassium Hydrogen Phthalate, Stock Solution | EPA (SW-846) (9060) |
| Potassium Hydrogen Phthalate, Stock Solution, 1000 mg Carbon/liter | EPA (415.1) |
| Organic Carbon Solution, Standard (1 mL = 1 mg C) | ASTM (D 2579) |

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

| Part Number | Size / Package Type | Shelf Life (Unopened Container) |
|-------------|---------------------|---------------------------------|
| 1847-16 | 500 mL amber glass | 12 months |
| 1847-8 | 250 mL amber glass | 12 months |

Recommended Storage: 15°C - 30°C (59°F - 86°F)



Kerry Kingsbury (11/09/2021)
 Quality Control Supervisor

This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

ID #: 12375
 Opened: _____
 Organic Carbon Standard-2111C03
Expires: 10/31/2022
 Rec'd: 1/7/2022
 Energy Laboratories, Inc. 2393 Salt Creek Hwy
 Casper WY 82601-9601

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A DIVISION OF NORCO, INC.

Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Norco, Inc
Casper Warehouse
3333 West Yellowstone Hwy
Mills, WY 82644

Cust Number WH084
Order Number 67085950
P.O. Number N/A

Lot Number 1-182-304
Part Number SPG TUHPNI
Product Nitrogen, UHP
Cylinder Size T
Pressure 2640 psig @ 70°F

Date Analyzed 7/1/2021
Expires 7-2024

Cylinder Number(s)
TW04-730235
T-1260
061665
TWC-759451
300-4710337Y
072367

Table with 4 columns: Component, Reported Concentration, Requested Concentration, Analytical Method. Rows include Nitrogen, THC (as Methane), Oxygen, and Water.

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

Minor constituents tested with standards traceable to NIST by mass or comparison to SRM's (Standard Reference Materials). NIST Tracability Numbers are available upon request.

Approved:

Jeff Korn
Lab Technician

Date Signed:

July 16, 2021

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672

ID #: 12104
Opened:
Nitrogen UHP - 182-304
Expires: 7/30/2024
Rec'd: 7/30/2021
Energy Laboratories, Inc. 2393 Salt Creek Hwy
Casper WY 82601-9601