

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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TestAmerica Job ID: 580-82281-1

Client Project/Site: Portland Harbor Pre-Remedial Design

For:

AECOM
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Attn: Amy Dahl

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Authorized for release by:
12/28/2018 3:00:01 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Job ID: 580-82281-1

Laboratory: TestAmerica Seattle

Narrative

CASE NARRATIVE

Client: AECOM

Project: Portland Harbor Pre-Remedial Design

Report Number: 580-82281-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Fifteen samples were received on 12/3/2018 12:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.3° C and 1.1° C.

Per client approval, Total Organic Carbon and Dissolved Organic Carbon analyses were subcontracted to Analytical Resources Inc., located in Tukwila, Washington as the TestAmerica Seattle TOC instruments are out of service at this time. Their report is included as an addendum to this report.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples PDI-WS-T04N-1812 (580-82281-2), PDI-WS-T04E-1812 (580-82281-3), PDI-WS-T04W-1812 (580-82281-4), PDI-WS-T02N-1811 (580-82281-6), PDI-WS-T02E-1811 (580-82281-7), PDI-WS-T02W-1811 (580-82281-8), PDI-WS-T06N-1811 (580-82281-10), PDI-WS-T06E-1811 (580-82281-11), PDI-WS-T06W-1811 (580-82281-12), Trip Blank T02 (580-82281-13), Trip Blank T04 (580-82281-14) and Trip Blank T06 (580-82281-15) were analyzed for volatile organic compounds (GC-MS) in accordance with 8260C. The samples were analyzed on 12/07/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED HERBICIDES

Samples PDI-WS-T04-1812 (580-82281-1), PDI-WS-T02-1811 (580-82281-5) and PDI-WS-T06-1811 (580-82281-9) were analyzed for chlorinated herbicides in accordance with EPA SW-846 8151A. The samples were prepared on 12/05/2018 and analyzed on 12/12/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP) - DISSOLVED

Samples PDI-WS-T04-1812 (580-82281-1), PDI-WS-T02-1811 (580-82281-5) and PDI-WS-T06-1811 (580-82281-9) were analyzed for Metals (ICP) in accordance with EPA SW-846 Method 6010C. The samples were prepared on 12/13/2018 and 12/17/2018 and analyzed on 12/17/2018 and 12/18/2018.

Case Narrative

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Job ID: 580-82281-1 (Continued)

Laboratory: TestAmerica Seattle (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICPMS) - DISSOLVED

Samples PDI-WS-T04-1812 (580-82281-1), PDI-WS-T02-1811 (580-82281-5) and PDI-WS-T06-1811 (580-82281-9) were analyzed for metals (ICPMS) in accordance with 6020A_LL. The samples were prepared on 12/13/2018 and 12/17/2018 and analyzed on 12/17/2018 and 12/18/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICPMS) - TOTAL

Samples PDI-WS-T04-1812 (580-82281-1), PDI-WS-T02-1811 (580-82281-5) and PDI-WS-T06-1811 (580-82281-9) were analyzed for Metals (ICPMS) in accordance with 6020A_LL. The samples were prepared on 12/10/2018 and analyzed on 12/11/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL DISSOLVED SOLIDS

Samples PDI-WS-T04-1812 (580-82281-1), PDI-WS-T02-1811 (580-82281-5) and PDI-WS-T06-1811 (580-82281-9) were analyzed for total dissolved solids in accordance with SM20 2540C. The samples were analyzed on 12/07/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL SUSPENDED SOLIDS

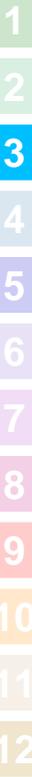
Samples PDI-WS-T04-1812 (580-82281-1), PDI-WS-T02-1811 (580-82281-5) and PDI-WS-T06-1811 (580-82281-9) were analyzed for total suspended solids in accordance with SM20 2540D. The samples were analyzed on 12/07/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HARDNESS

Samples PDI-WS-T04-1812 (580-82281-1), PDI-WS-T02-1811 (580-82281-5) and PDI-WS-T06-1811 (580-82281-9) were analyzed for Hardness in accordance with SM 2340B. The samples were analyzed on 12/08/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



Definitions/Glossary

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T04-1812

Lab Sample ID: 580-82281-1

Date Collected: 12/01/18 13:10

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP	ND		1.1	0.18	ug/L		12/05/18 17:51	12/12/18 12:20	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
2,4-Dichlorophenylacetic acid	80		44 - 145				12/05/18 17:51	12/12/18 12:20	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	7.1		1.1	0.16	mg/L		12/13/18 12:19	12/17/18 13:44	1
Magnesium	2.3		1.1	0.13	mg/L		12/13/18 12:19	12/17/18 13:44	1

Method: 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.44	J	1.0	0.20	ug/L		12/10/18 19:05	12/11/18 15:17	1
Chromium	0.31	J	0.40	0.17	ug/L		12/10/18 19:05	12/11/18 15:17	1
Copper	0.70	J	2.0	0.60	ug/L		12/10/18 19:05	12/11/18 15:17	1
Zinc	4.0	J	7.0	1.9	ug/L		12/10/18 19:05	12/11/18 15:17	1

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.55	J	1.0	0.20	ug/L		12/13/18 12:19	12/17/18 14:22	1
Chromium	0.18	J	0.40	0.17	ug/L		12/13/18 12:19	12/17/18 14:22	1
Copper	0.65	J	2.0	0.60	ug/L		12/13/18 12:19	12/17/18 14:22	1
Zinc	ND		7.0	1.9	ug/L		12/13/18 12:19	12/17/18 14:22	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Hardness as calcium carbonate	27		1.1	1.1	mg/L			12/08/18 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	58		10	10	mg/L			12/07/18 16:33	1
Total Suspended Solids	2.8		2.0	2.0	mg/L			12/07/18 16:58	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T04N-1812

Lab Sample ID: 580-82281-2

Date Collected: 12/01/18 11:43

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		80 - 122					12/07/18 00:19	1
Trifluorotoluene (Surr)	93		80 - 120					12/07/18 00:19	1
4-Bromofluorobenzene (Surr)	115		80 - 125					12/07/18 00:19	1
Dibromofluoromethane (Surr)	96		77 - 120					12/07/18 00:19	1
1,2-Dichloroethane-d4 (Surr)	113		80 - 126					12/07/18 00:19	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T04E-1812

Lab Sample ID: 580-82281-3

Date Collected: 12/01/18 12:37

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 00:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	116		80 - 122					12/07/18 00:43	1
Trifluorotoluene (Surr)	95		80 - 120					12/07/18 00:43	1
4-Bromofluorobenzene (Surr)	110		80 - 125					12/07/18 00:43	1
Dibromofluoromethane (Surr)	102		77 - 120					12/07/18 00:43	1
1,2-Dichloroethane-d4 (Surr)	116		80 - 126					12/07/18 00:43	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T04W-1812

Lab Sample ID: 580-82281-4

Date Collected: 12/01/18 10:01

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 01:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		80 - 122					12/07/18 01:08	1
Trifluorotoluene (Surr)	95		80 - 120					12/07/18 01:08	1
4-Bromofluorobenzene (Surr)	116		80 - 125					12/07/18 01:08	1
Dibromofluoromethane (Surr)	101		77 - 120					12/07/18 01:08	1
1,2-Dichloroethane-d4 (Surr)	117		80 - 126					12/07/18 01:08	1

Client Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T02-1811

Lab Sample ID: 580-82281-5

Date Collected: 11/30/18 15:06

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPPP	ND		1.1	0.18	ug/L		12/05/18 17:51	12/12/18 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	80		44 - 145				12/05/18 17:51	12/12/18 12:43	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	8.6		1.1	0.16	mg/L		12/13/18 12:19	12/17/18 14:09	1
Magnesium	3.0		1.1	0.13	mg/L		12/13/18 12:19	12/17/18 14:09	1

Method: 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.61	J	1.0	0.20	ug/L		12/10/18 19:05	12/11/18 15:21	1
Chromium	0.35	J	0.40	0.17	ug/L		12/10/18 19:05	12/11/18 15:21	1
Copper	0.79	J	2.0	0.60	ug/L		12/10/18 19:05	12/11/18 15:21	1
Zinc	2.9	J	7.0	1.9	ug/L		12/10/18 19:05	12/11/18 15:21	1

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.63	J	1.0	0.20	ug/L		12/13/18 12:19	12/17/18 14:17	1
Chromium	ND		0.40	0.17	ug/L		12/13/18 12:19	12/17/18 14:17	1
Copper	0.60	J	2.0	0.60	ug/L		12/13/18 12:19	12/17/18 14:17	1
Zinc	ND		7.0	1.9	ug/L		12/13/18 12:19	12/17/18 14:17	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Hardness as calcium carbonate	34		1.1	1.1	mg/L			12/08/18 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	37		10	10	mg/L			12/07/18 16:33	1
Total Suspended Solids	3.6		2.0	2.0	mg/L			12/07/18 16:58	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T02N-1811

Lab Sample ID: 580-82281-6

Date Collected: 11/30/18 13:21

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 01:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 122					12/07/18 01:32	1
Trifluorotoluene (Surr)	93		80 - 120					12/07/18 01:32	1
4-Bromofluorobenzene (Surr)	123		80 - 125					12/07/18 01:32	1
Dibromofluoromethane (Surr)	101		77 - 120					12/07/18 01:32	1
1,2-Dichloroethane-d4 (Surr)	110		80 - 126					12/07/18 01:32	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T02E-1811

Lab Sample ID: 580-82281-7

Date Collected: 11/30/18 14:52

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		80 - 122					12/07/18 01:57	1
Trifluorotoluene (Surr)	96		80 - 120					12/07/18 01:57	1
4-Bromofluorobenzene (Surr)	115		80 - 125					12/07/18 01:57	1
Dibromofluoromethane (Surr)	105		77 - 120					12/07/18 01:57	1
1,2-Dichloroethane-d4 (Surr)	116		80 - 126					12/07/18 01:57	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T02W-1811

Lab Sample ID: 580-82281-8

Date Collected: 11/30/18 12:04

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 09:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		80 - 122					12/07/18 09:41	1
Trifluorotoluene (Surr)	95		80 - 120					12/07/18 09:41	1
4-Bromofluorobenzene (Surr)	120		80 - 125					12/07/18 09:41	1
Dibromofluoromethane (Surr)	99		77 - 120					12/07/18 09:41	1
1,2-Dichloroethane-d4 (Surr)	116		80 - 126					12/07/18 09:41	1

Client Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T06-1811

Lab Sample ID: 580-82281-9

Date Collected: 11/30/18 16:26

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8151A - Herbicides (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPPP	ND		1.1	0.19	ug/L		12/05/18 17:51	12/12/18 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	52		44 - 145				12/05/18 17:51	12/12/18 13:05	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	6.6		1.1	0.16	mg/L		12/17/18 13:01	12/18/18 16:41	1
Magnesium	2.1		1.1	0.13	mg/L		12/17/18 13:01	12/18/18 16:41	1

Method: 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.53	J	1.0	0.20	ug/L		12/10/18 19:05	12/11/18 15:43	1
Chromium	0.28	J	0.40	0.17	ug/L		12/10/18 19:05	12/11/18 15:43	1
Copper	0.68	J	2.0	0.60	ug/L		12/10/18 19:05	12/11/18 15:43	1
Zinc	ND		7.0	1.9	ug/L		12/10/18 19:05	12/11/18 15:43	1

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.48	J	1.0	0.20	ug/L		12/17/18 13:01	12/18/18 12:58	1
Chromium	ND		0.40	0.17	ug/L		12/17/18 13:01	12/18/18 12:58	1
Copper	0.98	J	2.0	0.60	ug/L		12/17/18 13:01	12/18/18 12:58	1
Zinc	ND		7.0	1.9	ug/L		12/17/18 13:01	12/18/18 12:58	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dissolved Hardness as calcium carbonate	25		1.1	1.1	mg/L			12/08/18 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	50		10	10	mg/L			12/07/18 16:33	1
Total Suspended Solids	2.6		2.0	2.0	mg/L			12/07/18 16:58	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T06N-1811

Lab Sample ID: 580-82281-10

Date Collected: 11/30/18 14:50

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	111		80 - 122					12/07/18 13:27	1
Trifluorotoluene (Surr)	97		80 - 120					12/07/18 13:27	1
4-Bromofluorobenzene (Surr)	116		80 - 125					12/07/18 13:27	1
Dibromofluoromethane (Surr)	98		77 - 120					12/07/18 13:27	1
1,2-Dichloroethane-d4 (Surr)	113		80 - 126					12/07/18 13:27	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T06E-1811

Lab Sample ID: 580-82281-11

Date Collected: 11/30/18 13:40

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		80 - 122					12/07/18 13:53	1
Trifluorotoluene (Surr)	89		80 - 120					12/07/18 13:53	1
4-Bromofluorobenzene (Surr)	113		80 - 125					12/07/18 13:53	1
Dibromofluoromethane (Surr)	90		77 - 120					12/07/18 13:53	1
1,2-Dichloroethane-d4 (Surr)	98		80 - 126					12/07/18 13:53	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T06W-1811

Lab Sample ID: 580-82281-12

Date Collected: 11/30/18 16:20

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		80 - 122					12/07/18 14:18	1
Trifluorotoluene (Surr)	96		80 - 120					12/07/18 14:18	1
4-Bromofluorobenzene (Surr)	118		80 - 125					12/07/18 14:18	1
Dibromofluoromethane (Surr)	99		77 - 120					12/07/18 14:18	1
1,2-Dichloroethane-d4 (Surr)	114		80 - 126					12/07/18 14:18	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: Trip Blank T02

Lab Sample ID: 580-82281-13

Date Collected: 11/30/18 00:00

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 122					12/07/18 14:43	1
Trifluorotoluene (Surr)	94		80 - 120					12/07/18 14:43	1
4-Bromofluorobenzene (Surr)	115		80 - 125					12/07/18 14:43	1
Dibromofluoromethane (Surr)	98		77 - 120					12/07/18 14:43	1
1,2-Dichloroethane-d4 (Surr)	106		80 - 126					12/07/18 14:43	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: Trip Blank T04

Lab Sample ID: 580-82281-14

Date Collected: 11/30/18 00:00

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 15:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		80 - 122					12/07/18 15:08	1
Trifluorotoluene (Surr)	90		80 - 120					12/07/18 15:08	1
4-Bromofluorobenzene (Surr)	118		80 - 125					12/07/18 15:08	1
Dibromofluoromethane (Surr)	99		77 - 120					12/07/18 15:08	1
1,2-Dichloroethane-d4 (Surr)	111		80 - 126					12/07/18 15:08	1

Client Sample Results

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: Trip Blank T06

Lab Sample ID: 580-82281-15

Date Collected: 11/30/18 00:00

Matrix: Water

Date Received: 12/03/18 12:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 15:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		80 - 122					12/07/18 15:33	1
Trifluorotoluene (Surr)	92		80 - 120					12/07/18 15:33	1
4-Bromofluorobenzene (Surr)	117		80 - 125					12/07/18 15:33	1
Dibromofluoromethane (Surr)	101		77 - 120					12/07/18 15:33	1
1,2-Dichloroethane-d4 (Surr)	116		80 - 126					12/07/18 15:33	1

QC Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-290481/5
Matrix: Water
Analysis Batch: 290481

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/06/18 23:05	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		80 - 122					12/06/18 23:05	1
Trifluorotoluene (Surr)	95		80 - 120					12/06/18 23:05	1
4-Bromofluorobenzene (Surr)	117		80 - 125					12/06/18 23:05	1
Dibromofluoromethane (Surr)	101		77 - 120					12/06/18 23:05	1
1,2-Dichloroethane-d4 (Surr)	112		80 - 126					12/06/18 23:05	1

Lab Sample ID: LCS 580-290481/6
Matrix: Water
Analysis Batch: 290481

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	10.0	9.56		ug/L		96	75 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
Toluene-d8 (Surr)	93		80 - 122				
Trifluorotoluene (Surr)	93		80 - 120				
4-Bromofluorobenzene (Surr)	103		80 - 125				
Dibromofluoromethane (Surr)	99		77 - 120				
1,2-Dichloroethane-d4 (Surr)	115		80 - 126				

Lab Sample ID: LCSD 580-290481/7
Matrix: Water
Analysis Batch: 290481

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	10.0	9.95		ug/L		99	75 - 120	4	14
Surrogate	%Recovery	LCSD Qualifier	Limits						
Toluene-d8 (Surr)	95		80 - 122						
Trifluorotoluene (Surr)	95		80 - 120						
4-Bromofluorobenzene (Surr)	105		80 - 125						
Dibromofluoromethane (Surr)	101		77 - 120						
1,2-Dichloroethane-d4 (Surr)	114		80 - 126						

Lab Sample ID: MB 580-290540/5
Matrix: Water
Analysis Batch: 290540

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		3.0	0.50	ug/L			12/07/18 12:11	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	112		80 - 122					12/07/18 12:11	1
Trifluorotoluene (Surr)	104		80 - 120					12/07/18 12:11	1

TestAmerica Seattle

QC Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 580-290540/5
Matrix: Water
Analysis Batch: 290540

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		80 - 125		12/07/18 12:11	1
Dibromofluoromethane (Surr)	92		77 - 120		12/07/18 12:11	1
1,2-Dichloroethane-d4 (Surr)	107		80 - 126		12/07/18 12:11	1

Lab Sample ID: LCS 580-290540/6
Matrix: Water
Analysis Batch: 290540

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	10.0	10.9		ug/L		109	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	105		80 - 122
Trifluorotoluene (Surr)	98		80 - 120
4-Bromofluorobenzene (Surr)	115		80 - 125
Dibromofluoromethane (Surr)	100		77 - 120
1,2-Dichloroethane-d4 (Surr)	109		80 - 126

Lab Sample ID: LCSD 580-290540/7
Matrix: Water
Analysis Batch: 290540

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Ethylbenzene	10.0	10.6		ug/L		106	75 - 120	3	14

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	103		80 - 122
Trifluorotoluene (Surr)	96		80 - 120
4-Bromofluorobenzene (Surr)	109		80 - 125
Dibromofluoromethane (Surr)	99		77 - 120
1,2-Dichloroethane-d4 (Surr)	105		80 - 126

Method: 8151A - Herbicides (GC/MS)

Lab Sample ID: MB 580-290397/1-A
Matrix: Water
Analysis Batch: 290893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 290397

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPP	ND		1.0	0.17	ug/L		12/05/18 17:51	12/12/18 11:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	72		44 - 145	12/05/18 17:51	12/12/18 11:14	1

TestAmerica Seattle

QC Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Method: 8151A - Herbicides (GC/MS) (Continued)

Lab Sample ID: LCS 580-290397/2-A
Matrix: Water
Analysis Batch: 290893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 290397

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
MCCP	5.00	3.97		ug/L		79	61 - 135
Surrogate		LCS %Recovery	LCS Qualifier				Limits
2,4-Dichlorophenylacetic acid		83					44 - 145

Lab Sample ID: LCSD 580-290397/3-A
Matrix: Water
Analysis Batch: 290893

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 290397

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
MCCP	5.00	4.42		ug/L		88	61 - 135	11	35
Surrogate		LCSD %Recovery	LCSD Qualifier				Limits		RPD
2,4-Dichlorophenylacetic acid		95					44 - 145		

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 580-291045/22-A
Matrix: Water
Analysis Batch: 291389

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 291045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.1	0.16	mg/L		12/13/18 12:19	12/17/18 13:35	1
Magnesium	ND		1.1	0.13	mg/L		12/13/18 12:19	12/17/18 13:35	1

Lab Sample ID: LCS 580-291045/23-A
Matrix: Water
Analysis Batch: 291389

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 291045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Calcium	20.0	21.6		mg/L		108	80 - 120
Magnesium	20.0	21.8		mg/L		109	80 - 120

Lab Sample ID: LCSD 580-291045/24-A
Matrix: Water
Analysis Batch: 291389

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 291045

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Calcium	20.0	21.6		mg/L		108	80 - 120	0	20
Magnesium	20.0	21.7		mg/L		109	80 - 120	0	20

Lab Sample ID: MB 580-291325/22-A
Matrix: Water
Analysis Batch: 291509

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 291325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.1	0.16	mg/L		12/17/18 13:01	12/18/18 16:07	1
Magnesium	ND		1.1	0.13	mg/L		12/17/18 13:01	12/18/18 16:07	1

TestAmerica Seattle

QC Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Lab Sample ID: LCS 580-291325/23-A
Matrix: Water
Analysis Batch: 291509

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 291325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	50.0	49.6		mg/L		99	80 - 120
Magnesium	50.0	48.6		mg/L		97	80 - 120

Lab Sample ID: LCSD 580-291325/24-A
Matrix: Water
Analysis Batch: 291509

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 291325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Calcium	50.0	48.5		mg/L		97	80 - 120	2	20
Magnesium	50.0	46.6		mg/L		93	80 - 120	4	20

Lab Sample ID: 580-82281-1 MS
Matrix: Water
Analysis Batch: 291389

Client Sample ID: PDI-WS-T04-1812
Prep Type: Dissolved
Prep Batch: 291045

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	7.1		20.0	28.4		mg/L		106	75 - 125
Magnesium	2.3		20.0	23.9		mg/L		108	75 - 125

Lab Sample ID: 580-82281-1 MSD
Matrix: Water
Analysis Batch: 291389

Client Sample ID: PDI-WS-T04-1812
Prep Type: Dissolved
Prep Batch: 291045

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Calcium	7.1		20.0	28.0		mg/L		104	75 - 125	1	20
Magnesium	2.3		20.0	23.5		mg/L		106	75 - 125	2	20

Lab Sample ID: 580-82281-1 DU
Matrix: Water
Analysis Batch: 291389

Client Sample ID: PDI-WS-T04-1812
Prep Type: Dissolved
Prep Batch: 291045

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Calcium	7.1		7.31		mg/L		3	20
Magnesium	2.3		2.38		mg/L		3	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-290737/22-A
Matrix: Water
Analysis Batch: 290866

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 290737

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.20	ug/L		12/10/18 19:05	12/11/18 14:00	1
Chromium	ND		0.40	0.17	ug/L		12/10/18 19:05	12/11/18 14:00	1
Copper	ND		2.0	0.60	ug/L		12/10/18 19:05	12/11/18 14:00	1
Zinc	ND		7.0	1.9	ug/L		12/10/18 19:05	12/11/18 14:00	1

TestAmerica Seattle

QC Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 580-290737/23-A
Matrix: Water
Analysis Batch: 290866

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 290737

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	1000	1000		ug/L		100	80 - 120
Chromium	1000	974		ug/L		97	80 - 120
Copper	1000	969		ug/L		97	80 - 120
Zinc	1000	975		ug/L		97	80 - 120

Lab Sample ID: LCSD 580-290737/24-A
Matrix: Water
Analysis Batch: 290866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 290737

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Arsenic	1000	1000		ug/L		100	80 - 120	0	20
Chromium	1000	975		ug/L		98	80 - 120	0	20
Copper	1000	971		ug/L		97	80 - 120	0	20
Zinc	1000	994		ug/L		99	80 - 120	2	20

Lab Sample ID: MB 580-291045/22-A
Matrix: Water
Analysis Batch: 291386

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 291045

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.20	ug/L		12/13/18 12:19	12/17/18 14:04	1
Chromium	ND		0.40	0.17	ug/L		12/13/18 12:19	12/17/18 14:04	1
Copper	ND		2.0	0.60	ug/L		12/13/18 12:19	12/17/18 14:04	1
Zinc	ND		7.0	1.9	ug/L		12/13/18 12:19	12/17/18 14:04	1

Lab Sample ID: LCS 580-291045/23-A
Matrix: Water
Analysis Batch: 291386

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 291045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	1000	944		ug/L		94	80 - 120
Chromium	1000	942		ug/L		94	80 - 120
Copper	1000	911		ug/L		91	80 - 120
Zinc	1000	957		ug/L		96	80 - 120

Lab Sample ID: LCSD 580-291045/24-A
Matrix: Water
Analysis Batch: 291386

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 291045

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Arsenic	1000	939		ug/L		94	80 - 120	1	20
Chromium	1000	948		ug/L		95	80 - 120	1	20
Copper	1000	905		ug/L		90	80 - 120	1	20
Zinc	1000	954		ug/L		95	80 - 120	0	20

TestAmerica Seattle

QC Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 580-291325/22-A
Matrix: Water
Analysis Batch: 291513

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 291325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.20	ug/L		12/17/18 13:01	12/18/18 12:45	1
Chromium	ND		0.40	0.17	ug/L		12/17/18 13:01	12/18/18 12:45	1
Copper	ND		2.0	0.60	ug/L		12/17/18 13:01	12/18/18 12:45	1
Zinc	ND		7.0	1.9	ug/L		12/17/18 13:01	12/18/18 12:45	1

Lab Sample ID: LCS 580-291325/23-A
Matrix: Water
Analysis Batch: 291513

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 291325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2000	2170		ug/L		109	80 - 120
Chromium	1000	1080		ug/L		108	80 - 120
Copper	1000	1080		ug/L		108	80 - 120
Zinc	1000	1060		ug/L		106	80 - 120

Lab Sample ID: LCSD 580-291325/24-A
Matrix: Water
Analysis Batch: 291513

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 291325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	2000	2020		ug/L		101	80 - 120	7	20
Chromium	1000	1010		ug/L		101	80 - 120	6	20
Copper	1000	1010		ug/L		101	80 - 120	7	20
Zinc	1000	997		ug/L		100	80 - 120	6	20

Lab Sample ID: 580-82281-1 MS
Matrix: Water
Analysis Batch: 291386

Client Sample ID: PDI-WS-T04-1812
Prep Type: Dissolved
Prep Batch: 291045

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.55	J	1000	927		ug/L		93	80 - 120
Chromium	0.18	J	1000	938		ug/L		94	80 - 120
Copper	0.65	J	1000	904		ug/L		90	80 - 120
Zinc	ND		1000	939		ug/L		94	80 - 120

Lab Sample ID: 580-82281-1 MSD
Matrix: Water
Analysis Batch: 291386

Client Sample ID: PDI-WS-T04-1812
Prep Type: Dissolved
Prep Batch: 291045

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	0.55	J	1000	929		ug/L		93	80 - 120	0	20
Chromium	0.18	J	1000	954		ug/L		95	80 - 120	2	20
Copper	0.65	J	1000	901		ug/L		90	80 - 120	0	20
Zinc	ND		1000	934		ug/L		93	80 - 120	1	20

QC Sample Results

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-82281-1 DU
Matrix: Water
Analysis Batch: 291386

Client Sample ID: PDI-WS-T04-1812
Prep Type: Dissolved
Prep Batch: 291045

Analyte	Sample		DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Arsenic	0.55	J	0.473	J	ug/L		16	20
Chromium	0.18	J	0.204	J	ug/L		15	20
Copper	0.65	J	0.622	J	ug/L		4	20
Zinc	ND		ND		ug/L		NC	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 580-290595/1
Matrix: Water
Analysis Batch: 290595

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Dissolved Solids	ND		10	10	mg/L			12/07/18 16:33	1

Lab Sample ID: LCS 580-290595/2
Matrix: Water
Analysis Batch: 290595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Total Dissolved Solids	1000	942		mg/L		94	80 - 120

Lab Sample ID: 580-82281-1 DU
Matrix: Water
Analysis Batch: 290595

Client Sample ID: PDI-WS-T04-1812
Prep Type: Total/NA

Analyte	Sample		DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Dissolved Solids	58		65.0		mg/L		11	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 580-290597/1
Matrix: Water
Analysis Batch: 290597

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Suspended Solids	ND		2.0	2.0	mg/L			12/07/18 16:58	1

Lab Sample ID: LCS 580-290597/2
Matrix: Water
Analysis Batch: 290597

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Total Suspended Solids	27.6	22.4		mg/L		81	70.6 - 120

TestAmerica Seattle

Lab Chronicle

Client: AECOM
 Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T04-1812

Lab Sample ID: 580-82281-1

Date Collected: 12/01/18 13:10

Matrix: Water

Date Received: 12/03/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			290397	12/05/18 17:51	JSM	TAL SEA
Total/NA	Analysis	8151A		1	290893	12/12/18 12:20	KFS	TAL SEA
Dissolved	Prep	3005A			291045	12/13/18 12:19	T1H	TAL SEA
Dissolved	Analysis	6010C		1	291389	12/17/18 13:44	HJM	TAL SEA
Dissolved	Prep	3005A			291045	12/13/18 12:19	T1H	TAL SEA
Dissolved	Analysis	6020B		1	291386	12/17/18 14:22	FCW	TAL SEA
Total Recoverable	Prep	3005A			290737	12/10/18 19:05	JKM	TAL SEA
Total Recoverable	Analysis	6020B		1	290866	12/11/18 15:17	FCW	TAL SEA
Dissolved	Analysis	SM 2340B		1	290598	12/08/18 10:26	R1K	TAL SEA
Total/NA	Analysis	SM 2540C		1	290595	12/07/18 16:33	R1K	TAL SEA
Total/NA	Analysis	SM 2540D		1	290597	12/07/18 16:58	EMM	TAL SEA

Client Sample ID: PDI-WS-T04N-1812

Lab Sample ID: 580-82281-2

Date Collected: 12/01/18 11:43

Matrix: Water

Date Received: 12/03/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290481	12/07/18 00:19	E1L	TAL SEA

Client Sample ID: PDI-WS-T04E-1812

Lab Sample ID: 580-82281-3

Date Collected: 12/01/18 12:37

Matrix: Water

Date Received: 12/03/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290481	12/07/18 00:43	E1L	TAL SEA

Client Sample ID: PDI-WS-T04W-1812

Lab Sample ID: 580-82281-4

Date Collected: 12/01/18 10:01

Matrix: Water

Date Received: 12/03/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290481	12/07/18 01:08	E1L	TAL SEA

Client Sample ID: PDI-WS-T02-1811

Lab Sample ID: 580-82281-5

Date Collected: 11/30/18 15:06

Matrix: Water

Date Received: 12/03/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			290397	12/05/18 17:51	JSM	TAL SEA
Total/NA	Analysis	8151A		1	290893	12/12/18 12:43	KFS	TAL SEA
Dissolved	Prep	3005A			291045	12/13/18 12:19	T1H	TAL SEA
Dissolved	Analysis	6010C		1	291389	12/17/18 14:09	HJM	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T02-1811

Lab Sample ID: 580-82281-5

Date Collected: 11/30/18 15:06

Matrix: Water

Date Received: 12/03/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			291045	12/13/18 12:19	T1H	TAL SEA
Dissolved	Analysis	6020B		1	291386	12/17/18 14:17	FCW	TAL SEA
Total Recoverable	Prep	3005A			290737	12/10/18 19:05	JKM	TAL SEA
Total Recoverable	Analysis	6020B		1	290866	12/11/18 15:21	FCW	TAL SEA
Dissolved	Analysis	SM 2340B		1	290598	12/08/18 10:26	R1K	TAL SEA
Total/NA	Analysis	SM 2540C		1	290595	12/07/18 16:33	R1K	TAL SEA
Total/NA	Analysis	SM 2540D		1	290597	12/07/18 16:58	EMM	TAL SEA

Client Sample ID: PDI-WS-T02N-1811

Lab Sample ID: 580-82281-6

Date Collected: 11/30/18 13:21

Matrix: Water

Date Received: 12/03/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290481	12/07/18 01:32	E1L	TAL SEA

Client Sample ID: PDI-WS-T02E-1811

Lab Sample ID: 580-82281-7

Date Collected: 11/30/18 14:52

Matrix: Water

Date Received: 12/03/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290481	12/07/18 01:57	E1L	TAL SEA

Client Sample ID: PDI-WS-T02W-1811

Lab Sample ID: 580-82281-8

Date Collected: 11/30/18 12:04

Matrix: Water

Date Received: 12/03/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290481	12/07/18 09:41	E1L	TAL SEA

Client Sample ID: PDI-WS-T06-1811

Lab Sample ID: 580-82281-9

Date Collected: 11/30/18 16:26

Matrix: Water

Date Received: 12/03/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			290397	12/05/18 17:51	JSM	TAL SEA
Total/NA	Analysis	8151A		1	290893	12/12/18 13:05	KFS	TAL SEA
Dissolved	Prep	3005A			291325	12/17/18 13:01	T1H	TAL SEA
Dissolved	Analysis	6010C		1	291509	12/18/18 16:41	HJM	TAL SEA
Dissolved	Prep	3005A			291325	12/17/18 13:01	T1H	TAL SEA
Dissolved	Analysis	6020B		1	291513	12/18/18 12:58	FCW	TAL SEA
Total Recoverable	Prep	3005A			290737	12/10/18 19:05	JKM	TAL SEA
Total Recoverable	Analysis	6020B		1	290866	12/11/18 15:43	FCW	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: PDI-WS-T06-1811

Date Collected: 11/30/18 16:26

Date Received: 12/03/18 12:30

Lab Sample ID: 580-82281-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 2340B		1	290598	12/08/18 10:26	R1K	TAL SEA
Total/NA	Analysis	SM 2540C		1	290595	12/07/18 16:33	R1K	TAL SEA
Total/NA	Analysis	SM 2540D		1	290597	12/07/18 16:58	EMM	TAL SEA

Client Sample ID: PDI-WS-T06N-1811

Date Collected: 11/30/18 14:50

Date Received: 12/03/18 12:30

Lab Sample ID: 580-82281-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290540	12/07/18 13:27	E1L	TAL SEA

Client Sample ID: PDI-WS-T06E-1811

Date Collected: 11/30/18 13:40

Date Received: 12/03/18 12:30

Lab Sample ID: 580-82281-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290540	12/07/18 13:53	E1L	TAL SEA

Client Sample ID: PDI-WS-T06W-1811

Date Collected: 11/30/18 16:20

Date Received: 12/03/18 12:30

Lab Sample ID: 580-82281-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290540	12/07/18 14:18	E1L	TAL SEA

Client Sample ID: Trip Blank T02

Date Collected: 11/30/18 00:00

Date Received: 12/03/18 12:30

Lab Sample ID: 580-82281-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290540	12/07/18 14:43	E1L	TAL SEA

Client Sample ID: Trip Blank T04

Date Collected: 11/30/18 00:00

Date Received: 12/03/18 12:30

Lab Sample ID: 580-82281-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290540	12/07/18 15:08	E1L	TAL SEA

TestAmerica Seattle

Lab Chronicle

Client: AECOM
Project/Site: Portland Harbor Pre-Remedial Design

TestAmerica Job ID: 580-82281-1

Client Sample ID: Trip Blank T06

Lab Sample ID: 580-82281-15

Date Collected: 11/30/18 00:00

Matrix: Water

Date Received: 12/03/18 12:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290540	12/07/18 15:33	E1L	TAL SEA

Laboratory References:

SC0056 = Analytical Resources, Inc, 4611 South 134th Place, Suite 100, Tukwila, WA 98168, TEL (206)695-6200

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: AECOM

TestAmerica Job ID: 580-82281-1

Project/Site: Portland Harbor Pre-Remedial Design

Laboratory: TestAmerica Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-024	01-19-19
ANAB	DoD ELAP		L2236	01-19-19
ANAB	ISO/IEC 17025		L2236	01-19-19
California	State Program	9	2901	11-05-19
Montana (UST)	State Program	8	N/A	04-30-20
Nevada	State Program	9	WA000502019-1	07-31-19
Oregon	NELAP	10	WA100007	11-05-19
US Fish & Wildlife	Federal		LE058448-0	07-31-19
USDA	Federal		P330-14-00126	02-10-20
Washington	State Program	10	C553	02-17-19

Sample Summary

Client: AECOM

TestAmerica Job ID: 580-82281-1

Project/Site: Portland Harbor Pre-Remedial Design

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-82281-1	PDI-WS-T04-1812	Water	12/01/18 13:10	12/03/18 12:30
580-82281-2	PDI-WS-T04N-1812	Water	12/01/18 11:43	12/03/18 12:30
580-82281-3	PDI-WS-T04E-1812	Water	12/01/18 12:37	12/03/18 12:30
580-82281-4	PDI-WS-T04W-1812	Water	12/01/18 10:01	12/03/18 12:30
580-82281-5	PDI-WS-T02-1811	Water	11/30/18 15:06	12/03/18 12:30
580-82281-6	PDI-WS-T02N-1811	Water	11/30/18 13:21	12/03/18 12:30
580-82281-7	PDI-WS-T02E-1811	Water	11/30/18 14:52	12/03/18 12:30
580-82281-8	PDI-WS-T02W-1811	Water	11/30/18 12:04	12/03/18 12:30
580-82281-9	PDI-WS-T06-1811	Water	11/30/18 16:26	12/03/18 12:30
580-82281-10	PDI-WS-T06N-1811	Water	11/30/18 14:50	12/03/18 12:30
580-82281-11	PDI-WS-T06E-1811	Water	11/30/18 13:40	12/03/18 12:30
580-82281-12	PDI-WS-T06W-1811	Water	11/30/18 16:20	12/03/18 12:30
580-82281-13	Trip Blank T02	Water	11/30/18 00:00	12/03/18 12:30
580-82281-14	Trip Blank T04	Water	11/30/18 00:00	12/03/18 12:30
580-82281-15	Trip Blank T06	Water	11/30/18 00:00	12/03/18 12:30



28 December 2018

Elaine Walker
Test America
5755 8th Street East
Tacoma, WA 98424

RE: Portland Harbor Pre-Remedial Design

Please find enclosed sample receipt documentation and analytical results for samples from the project referenced above.

Sample analyses were performed according to ARI's Quality Assurance Plan and any provided project specific Quality Assurance Plan. Each analytical section of this report has been approved and reviewed by an analytical peer, the appropriate Laboratory Supervisor or qualified substitute, and a technical reviewer.

Should you have any questions or problems, please feel free to contact us at your convenience.

<u>Associated Work Order(s)</u>	<u>Associated SDG ID(s)</u>
18L0426	N/A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the enclose Narrative. ARI, an accredited laboratory, certifies that the report results for which ARI is accredited meets all the requirements of the accrediting body. A list of certified analyses, accreditations, and expiration dates is included in this report.

Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Analytical Resources, Inc.

Amanda Volgardsen, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



18L0426

Chain of Custody Record



Client Information (Sub Contract Lab) Client Contact: Walker, Elaine M Shipping/Receiving: elaine.walker@testamericainc.com Company: Analytical Resources, Inc Address: 4611 South 134th Place, Suite 100, City: Tukwila State, Zip: WA, 98168 Phone: 206-695-6200(Tel) Email: Project Name: Portland Harbor Pre-Remedial Design Site:		Lab P/N: Walker, Elaine M E-Mail: elaine.walker@testamericainc.com State of Origin: Oregon Carrier Tracking No(s): Accreditations Required (See note):		COC No: 580-62406.1 Page: Page 1 of 1 Job #: 580-82281-1						
Due Date Requested: 12/19/2018 TAT Requested (days):		Analysis Requested								
PO #: WO #: Project #: 58012120 SSOW#:		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDTA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify) Other:								
Sample Identification - Client ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=water/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (5310C Organic Carbon, Dissolved (DOC))	SUB (5310C Organic Carbon, Total (TOC))	Total Number of containers	Special Instructions/Note:
PDI-WS-T04-1812	12/1/18	13:10 Pacific	Water	Water	X	X	X	X	2	
PDI-WS-T02-1811	11/30/18	15:06 Pacific	Water	Water	X	X	X	X	2	
PDI-WS-T06-1811	11/30/18	16:26 Pacific	Water	Water	X	X	X	X	2	
Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.										
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:										
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:				
Relinquished by: <i>[Signature]</i>		Date/Time: 12/21/18		1530		Received by: <i>[Signature]</i> Jacobowitz				
Relinquished by:		Date/Time:				Received by:				
Relinquished by:		Date/Time:				Received by:				
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks:				





WORK ORDER

18L0426

Client: AECOM	Project Manager: Amanda Volgardsen
Project: Portland Harbor Pre-Remedial Design	Project Number: Portland Harbor

Preservation Confirmation

Container ID	Container Type	pH	
18L0426-01 A	Miscellaneous Container	<2	Pass
18L0426-02 A	Miscellaneous Container	<2	Pass
18L0426-03 A	Miscellaneous Container	<2	Pass
18L0426-04 A	Miscellaneous Container	<2	Pass
18L0426-05 A	Miscellaneous Container	<2	Pass
18L0426-06 A	Miscellaneous Container	<2	Pass

JSW
Preservation Confirmed By

12/21/18
Date





Cooler Receipt Form

ARI Client: Test America

Project Name: Portland Harbor Pre-Remediation Design

COC No(s): _____ (NA)

Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____

Assigned ARI Job No: 18L0476

Tracking No: _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler? YES NO

Were custody papers included with the cooler? YES NO

Were custody papers properly filled out (ink, signed, etc.) YES NO

Temperature of Cooler(s) (°C) (recommended 2.0-6.0 °C for chemistry) 2.4°C

Time: 1530

If cooler temperature is out of compliance fill out form 00070F

Temp Gun ID#: P005706

Cooler Accepted by: JSW Date: 12/21/18 Time: 1530

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler? YES NO

What kind of packing material was used? ... Bubble Wrap Wet Ice Gel Packs Baggies Foam Block Paper Other: _____

Was sufficient ice used (if appropriate)? NA YES NO

Were all bottles sealed in individual plastic bags? YES NO

Did all bottles arrive in good condition (unbroken)? YES NO

Were all bottle labels complete and legible? YES NO

Did the number of containers listed on COC match with the number of containers received? YES NO

Did all bottle labels and tags agree with custody papers? YES NO

Were all bottles used correct for the requested analyses? YES NO

Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)... NA YES NO

Were all VOC vials free of air bubbles? NA YES NO

Was sufficient amount of sample sent in each bottle? YES NO

Date VOC Trip Blank was made at ARI..... NA

Was Sample Split by ARI: NA YES Date/Time: _____ Equipment: _____ Split by: _____

Samples Logged by: JSW Date: 12/21/18 Time: 1655

**** Notify Project Manager of discrepancies or concerns ****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

By: _____ Date: _____

<p>Small Air Bubbles - 2mm</p>	<p>Peabubbles 2-4 mm</p>	<p>LARGE Air Bubbles > 4 mm</p>	<p>Small → "sm" (< 2 mm)</p> <p>Peabubbles → "pb" (2 to < 4 mm)</p> <p>Large → "lg" (4 to < 6 mm)</p> <p>Headspace → "hs" (> 6 mm)</p>
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Test America
5755 8th Street East
Tacoma WA, 98424

Project: Portland Harbor Pre-Remedial Design
Project Number: 58012120
Project Manager: Elaine Walker

Reported:
28-Dec-2018 13:29

Case Narrative

Sample receipt

Samples as listed on the preceding page were received December 21, 2018 under ARI work order 18L0426. For details regarding sample receipt, please refer to the Cooler Receipt Form.

Total Organic Carbon - Method SM5310

The samples were prepared and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The method blank was clean at the reporting limits.

The LCS/LCSD percent recoveries and RPD were within control limits.

A matrix spike, matrix spike duplicate and duplicate were prepared in conjunction with sample PDI-WS-T04-1812. The matrix spike, matrix spike duplicate and duplicate percent recoveries and/or RPD were within QC limits.

Dissolved Organic Carbon - Method SM5310

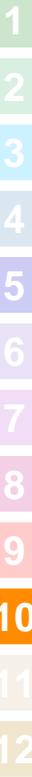
The samples were prepared and analyzed within the recommended holding times.

Initial and continuing calibrations were within method requirements.

The method blank was clean at the reporting limits.

The LCS percent recoveries were within control limits.

A matrix spike, matrix spike duplicate and duplicate were prepared in conjunction with sample PDI-WS-T04-1812. The matrix spike, matrix spike duplicate and duplicate percent recoveries and/or RPD were within QC limits.





Test America
5755 8th Street East
Tacoma, WA 98424

Project: Portland Harbor Pre-Remedial Design
Project Number: 58012120
Project Manager: Elaine Walker

Reported:
12/28/2018 13:29

ANALYTICAL REPORT FOR SAMPLES

Laboratory ID	Sample ID	Matrix	Date Sampled	Date Received
18L0426-01	PDI-WS-T04-1812	Water	12/01/18 13:10	12/21/18 15:30
18L0426-02	PDI-WS-T02-1811	Water	11/30/18 15:06	12/21/18 15:30
18L0426-03	PDI-WS-T06-1811	Water	11/30/18 16:26	12/21/18 15:30
18L0426-04	PDI-WS-T04-1812	Water	12/01/18 13:10	12/21/18 15:30
18L0426-05	PDI-WS-T02-1811	Water	11/30/18 15:06	12/21/18 15:30
18L0426-06	PDI-WS-T06-1811	Water	11/30/18 16:26	12/21/18 15:30





QUALIFIERS AND NOTES

<u>Qualifier</u>	<u>Definition</u>
U	This analyte is not detected above the reporting limit (RL) or if noted, not detected above the limit of detection (LOD).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 5310 B-00

PDI-WS-T04-1812

Laboratory:	<u>Analytical Resources, Inc.</u>	Laboratory ID:	<u>18L0426-01</u>	SDG:	<u>18L0426</u>
Client:	<u>Test America</u>	Prepared:	<u>12/24/18 10:52</u>	File ID:	<u>ShimadzuData_12262018@0927-066</u>
Project:	<u>Portland Harbor Pre-Remedial Design</u>	Preparation:	<u>No Prep Wet Chem</u>	Analyzed:	<u>12/25/18 12:40</u>
Matrix:	<u>Water</u>	Sequence:	<u>SGL0349</u>	Initial/Final:	<u>20 mL / 20 mL</u>
Sampled:	<u>12/01/18 13:10</u>	Instrument:	<u>TOC-LCSH</u>	Calibration:	<u>BJ00092</u>
% Solids:	<u>0.00</u>				
Batch:	<u>BGL0668</u>				

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.27	1	0.50	0.50	

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Form I
INORGANIC ANALYSIS DATA SHEET
SM 5310 B-00

PDI-WS-T02-1811

Laboratory:	<u>Analytical Resources, Inc.</u>				
Client:	<u>Test America</u>				
Project:	<u>Portland Harbor Pre-Remedial Design</u>				
Matrix:	<u>Water</u>	Laboratory ID:	<u>18L0426-02</u>	SDG:	<u>18L0426</u>
Sampled:	<u>11/30/18 15:06</u>	Prepared:	<u>12/24/18 10:52</u>	File ID:	<u>ShimadzuData_12262018@0927-070</u>
% Solids:	<u>0.00</u>	Preparation:	<u>No Prep Wet Chem</u>	Analyzed:	<u>12/25/18 13:55</u>
Batch:	<u>BGL0668</u>	Sequence:	<u>SGL0349</u>	Initial/Final:	<u>20 mL / 20 mL</u>
Instrument:	<u>TOC-LCSH</u>			Calibration:	<u>BJ00092</u>

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	1.98	1	0.50	0.50	





Form I
INORGANIC ANALYSIS DATA SHEET
SM 5310 B-00

PDI-WS-T06-1811

Laboratory: Analytical Resources, Inc.
 Client: Test America
 Project: Portland Harbor Pre-Remedial Design
 Matrix: Water Laboratory ID: 18L0426-03 SDG: 18L0426
 Sampled: 11/30/18 16:26 Prepared: 12/24/18 10:52 File ID: ShimadzuData_12262018@0927-071
 % Solids: 0.00 Preparation: No Prep Wet Chem Analyzed: 12/25/18 14:13
 Batch: BGL0668 Sequence: SGL0349 Initial/Final: 20 mL / 20 mL
 Instrument: TOC-LCSH Calibration: BJ00092

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	2.18	1	0.50	0.50	





Form I
INORGANIC ANALYSIS DATA SHEET
SM 5310 B-00
Dissolved Analytes

PDI-WS-T04-1812

Laboratory: Analytical Resources, Inc.
 Client: Test America
 Project: Portland Harbor Pre-Remedial Design
 Matrix: Water Laboratory ID: 18L0426-04 SDG: 18L0426
 Sampled: 12/01/18 13:10 Prepared: 12/24/18 11:50 File ID: ShimadzuData_12272018@0913-018
 % Solids: 0.00 Preparation: No Prep Wet Chem Analyzed: 12/26/18 18:42
 Batch: BGL0673 Sequence: SGL0367 Initial/Final: 20 mL / 20 mL
 Instrument: TOC-LCSH Calibration: BJ00092

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	MDL	MRL	Q
	Dissolved Organic Carbon, Dissolved	2.08	1	0.50	0.50	



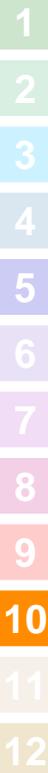


Form I
INORGANIC ANALYSIS DATA SHEET
SM 5310 B-00
Dissolved Analytes

PDI-WS-T02-1811

Laboratory: Analytical Resources, Inc.
 Client: Test America
 Project: Portland Harbor Pre-Remedial Design
 Matrix: Water Laboratory ID: 18L0426-05 SDG: 18L0426
 Sampled: 11/30/18 15:06 Prepared: 12/24/18 11:50 File ID: ShimadzuData_12272018@0913-022
 % Solids: 0.00 Preparation: No Prep Wet Chem Analyzed: 12/26/18 19:55
 Batch: BGL0673 Sequence: SGL0367 Initial/Final: 20 mL / 20 mL
 Instrument: TOC-LCSH Calibration: BJ00092

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	MDL	MRL	Q
	Dissolved Organic Carbon, Dissolved	1.81	1	0.50	0.50	





Form I
INORGANIC ANALYSIS DATA SHEET
SM 5310 B-00
Dissolved Analytes

PDI-WS-T06-1811

Laboratory: Analytical Resources, Inc.
 Client: Test America
 Project: Portland Harbor Pre-Remedial Design
 Matrix: Water Laboratory ID: 18L0426-06 SDG: 18L0426
 Sampled: 11/30/18 16:26 Prepared: 12/24/18 11:50 File ID: ShimadzuData_12272018@0913-023
 % Solids: 0.00 Preparation: No Prep Wet Chem Analyzed: 12/26/18 20:14
 Batch: BGL0673 Sequence: SGL0367 Initial/Final: 20 mL / 20 mL
 Instrument: TOC-LCSH Calibration: BJ00092

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	MDL	MRL	Q
	Dissolved Organic Carbon, Dissolved	2.01	1	0.50	0.50	





PREPARATION BATCH SUMMARY

SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Batch: BGL0668

Batch Matrix: Water

Preparation: No Prep Wet Chem

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PDI-WS-T04-1812	18L0426-01	dzuData_12262018@092	12/24/18 10:52	
PDI-WS-T02-1811	18L0426-02	dzuData_12262018@092	12/24/18 10:52	
PDI-WS-T06-1811	18L0426-03	dzuData_12262018@092	12/24/18 10:52	
Blank	BGL0668-BLK1	dzuData_12262018@092	12/24/18 10:52	
LCS	BGL0668-BS1	dzuData_12262018@092	12/24/18 10:52	
LCS Dup	BGL0668-BSD1	dzuData_12262018@092	12/24/18 10:52	
PDI-WS-T04-1812	BGL0668-DUP3	dzuData_12262018@092	12/24/18 10:52	
MRL Check	BGL0668-MRL1	dzuData_12262018@092	12/24/18 10:52	
PDI-WS-T04-1812	BGL0668-MS3	dzuData_12262018@092	12/24/18 10:52	
PDI-WS-T04-1812	BGL0668-MSD3	dzuData_12262018@092	12/24/18 10:52	

Weekly Pipette Check

Pipette Model Final Pipette Serial Number CH52078

Date	Time	Temp	Test Volume	Weight Measurement (grams)					Average	% True Volume*	Analyst	Comments
				#1	#2	#3	#4	#5				
11/28/18	12:15	70	3 mL	3.0154	3.0156	3.0282				AGW	BA8/DOD	
11/29/18	17:13	70		3.0217	3.0212	3.0300				AGW	BA9/DOD	
12/3/18	12:22	70		3.0263						BF	BAL8	
12/4/18	16:25	70		3.0238	3.0303	3.0314				AGW	BA8/DOD	
12/5/18	15:41	70		3.0256	3.0205	3.0334				AGW	BA5/DOD	
12/10/18	9:08	90		3.0549						VM	BA8	
12/10/18	18:34	70		3.0194	3.0244	3.0259				CB	BA9/DOD	
12/10/18	10:56	90		3.0429						VM	BA8	
12/18/18	6:35	70		3.0321	3.0260	3.0260				AGW	BA9/DOD	
12-20-18	9:45	70		3.0152	3.0237	3.0198				VM	DOD	
12-24-18	8:52	60		3.0447						VM	BA8	
12/24/18	11:26	70		3.0226	3.0227	3.0103			100.6%	BF	BA8/DOD	

*True Volume= (Average/Test Volume) x 100
True volume must be within 2% of test volume to pass, otherwise corrective action must be taken.



Daily . Weekly Pipette / Check

3

Franz Pfeiffer

Pipette / Titrator Model

Serial Number

BAL-8

Balance Used:

Date	Time	Temp	Test Volume	Weight Measurement (grams)					Average	% True Volume*	Analyst	Comments
				#1	#2	#3	#4	#5				
12/29/13	8:51	63	600µL	.6058	.6049	.6042				Ym	BAL-8	
12/24/13	11:20	70		.6027	.5989	.6028		6015	100.2%	BF	BAL8/P00	

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*True Volume= (Average/Test Volume) x 100
True volume must be within 2% of test volume to pass, otherwise corrective action must be taken.



Weekly Pipette Check

Pipette Model: Finnpipette Serial Number: FJ8649S

Date	Time	Temp	Test Volume	Weight Measurement (grams)					Average	% True Volume*	Analyst	Comments
				#1	#2	#3	#4	#5				
12/18/18	10:31	70	100uL	0.1001	0.0998	0.0989				AGW	BAH/DOD	
12-20-18	9:50	70		0.0993	0.0996	0.0997				GW	DOD	
12/24/18	2:38	68		.1017						EM	BAH	
12/24/18	11:15	70		0.1001	1.1001	.0999			1.000	BF	BAH/DOD	

*True Volume = (Average/Test Volume) x 100
True volume must be within 2% of test volume to pass, otherwise corrective action must be taken.



Weekly Pipette Check

Pipette Model: Finnpipette F2 Serial Number: KH08391

Date	Time	Temp	Test Volume	Weight Measurement (grams)					Average	% True Volume*	Analyst	Comments
				#1	#2	#3	#4	#5				
9-11-11	9:56	68	6mL	5.9918						WCW	BAL	
9-16-18	9:06			5.9955						Wen	BAL	
9/24/18	8:02	92		5.9532					99.22%	CM	DALB	
10/08/18	8:05	93		5.9715					99.85%	CM	WALL	
10/16/18	9:23	70		5.9510					99.2%	BF	BALY	
10/24/18	17:25	70		6.0148					100.2%	AGU	BALD	
10/29/18	11:31	71		5.9954					99.9%	Wen	BALY	
11/2/18	10:12	71		5.9536	5.9814	5.9713		5.9614	99.4%	Wen	BALY/POD	
11/14/18	14:56	72		6.0066	5.9659	5.9843		5.9856	99.8%	BF	BALY/POD	
12/3/18	12:05	70		6.0229					100.4%	BF	BALR	
12/10/18	9:09	90		6.0132					100.2%	YU	DALB	
12/11/18	12:38	70		5.9720	5.9560	5.9581		5.9620	99.4%	BF	BAL8/POD	
12/10/18	11:04	70		6.0109						YU	BALB	
12/19/18	12:25	70		5.9584	5.9951	6.0084		5.9873	99.8	BF	BAL8/POD	
12/24/18	8:59	68		5.9924						Wen	BALB	
12/24/18	11:13	70		5.9940	5.9816	5.9729		5.9798	99.6%	BF	BAL8/POD	

*True Volume = (Average/Test Volume) x 100

True volume must be within 2% of test volume to pass, otherwise corrective action must be taken.





Form I
METHOD BLANK DATA SHEET
SM 5310 B-00
TotalAnalytes

Blank

Batch: BGL0668

Laboratory ID: BGL0668-BLK1

Prepared: 12/24/18 10:52

Matrix: Water

Preparation: No Prep Wet Chem

Analyzed: 12/25/18 03:51

Sequence: SGL0349

Calibration: BJ00092

Instrument: TOC-LCSH

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	MDL	MRL	Q
	Total Organic Carbon	ND	1	0.50	0.50	U





Form I
METHOD BLANK DATA SHEET
SM 5310 B-00
DissolvedAnalytes

Blank

Batch: BGL0673 Laboratory ID: BGL0673-BLK1 Prepared: 12/24/18 11:50
 Matrix: Water Preparation: No Prep Wet Chem Analyzed: 12/26/18 15:24
 Sequence: SGL0367 Calibration: BJ00092 Instrument: TOC-LCSH

CAS NO.	Analyte	Concentration (mg/L)	Dilution Factor	MDL	MRL	Q
	Dissolved Organic Carbon	ND	1	0.50	0.50	U

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- 2
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- 10
- 11
- 12



DUPLICATES
SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Matrix: Water

Laboratory ID: BGL0668-DUP3

Batch: BGL0668

Lab Source ID: 18L0426-01

Preparation: No Prep Wet Chem

Initial/Final: 20 mL / 20 mL

Source Sample Name: PDI-WS-T04-1812

% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	C	DUPLICATE CONCENTRATION (mg/L)	C	RPD %	Q
Total Organic Carbon	20	2.27		2.11		7.35	

*: Values outside of QC limits

L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/-RL instead of 20% RPD





DUPLICATES
SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Matrix: Water

Laboratory ID: BGL0673-DUP1

Batch: BGL0673

Lab Source ID: 18L0426-04

Preparation: No Prep Wet Chem

Initial/Final: 20 mL / 20 mL

Source Sample Name: PDI-WS-T04-1812

% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	C	DUPLICATE CONCENTRATION (mg/L)	C	RPD %	Q
Dissolved Organic Carbon	20	2.08		2.04		1.70	

*: Values outside of QC limits

L: Analyte concentration is <=5 times the reporting limit and the replicate control limit defaults to Dup = +/-RL instead of 20% RPD





MS / MS DUPLICATE RECOVERY
SM 5310 B-00

Laboratory:	<u>Analytical Resources, Inc.</u>	SDG:	<u>18L0426</u>
Client:	<u>Test America</u>	Project:	<u>Portland Harbor Pre-Remedial Design</u>
Matrix:	<u>Water</u>	Analyzed:	<u>12/25/18 13:17</u>
Batch:	<u>BGL0668</u>	Laboratory ID:	<u>BGL0668-MS3</u>
Preparation:	<u>No Prep Wet Chem</u>	Sequence Name:	<u>Matrix Spike</u>
Initial/Final:	<u>20 mL / 20 mL</u>	Source Sample:	<u>PDI-WS-T04-1812</u>

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	Q	MS CONCENTRATION (mg/L)	Q	MS % REC. #	QC LIMITS REC.
Total Organic Carbon	20.03	2.27		18.68		81.9	75 - 125

* Values outside of QC limits





MS / MS DUPLICATE RECOVERY
SM 5310 B-00

Laboratory:	<u>Analytical Resources, Inc.</u>	SDG:	<u>18L0426</u>
Client:	<u>Test America</u>	Project:	<u>Portland Harbor Pre-Remedial Design</u>
Matrix:	<u>Water</u>	Analyzed:	<u>12/25/18 13:36</u>
Batch:	<u>BGL0668</u>	Laboratory ID:	<u>BGL0668-MSD3</u>
Preparation:	<u>No Prep Wet Chem</u>	Sequence Name:	<u>Matrix Spike Dup</u>
Initial/Final:	<u>20 mL / 20 mL</u>	Source Sample:	<u>PDI-WS-T04-1812</u>

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	Q	MSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Total Organic Carbon	20.03	18.71		82.1	0.160	20	75 - 125

* Values outside of QC limits





MS / MS DUPLICATE RECOVERY
SM 5310 B-00

Laboratory: <u>Analytical Resources, Inc.</u>	SDG: <u>18L0426</u>
Client: <u>Test America</u>	Project: <u>Portland Harbor Pre-Remedial Design</u>
Matrix: <u>Water</u>	Analyzed: <u>12/26/18 19:18</u>
Batch: <u>BGL0673</u>	Laboratory ID: <u>BGL0673-MS1</u>
Preparation: <u>No Prep Wet Chem</u>	Sequence Name: <u>Matrix Spike</u>
Initial/Final: <u>20 mL / 20 mL</u>	Source Sample: <u>PDI-WS-T04-1812</u>

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	Q	MS CONCENTRATION (mg/L)	Q	MS % REC. #	QC LIMITS REC.
Dissolved Organic Carbon	20.03	2.08		18.39		81.4	75 - 125

* Values outside of QC limits





MS / MS DUPLICATE RECOVERY
SM 5310 B-00

Laboratory:	<u>Analytical Resources, Inc.</u>	SDG:	<u>18L0426</u>
Client:	<u>Test America</u>	Project:	<u>Portland Harbor Pre-Remedial Design</u>
Matrix:	<u>Water</u>	Analyzed:	<u>12/26/18 19:37</u>
Batch:	<u>BGL0673</u>	Laboratory ID:	<u>BGL0673-MSD1</u>
Preparation:	<u>No Prep Wet Chem</u>	Sequence Name:	<u>Matrix Spike Dup</u>
Initial/Final:	<u>20 mL / 20 mL</u>	Source Sample:	<u>PDI-WS-T04-1812</u>

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	Q	MSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Dissolved Organic Carbon	20.03	18.53		82.1	0.758	20	75 - 125

* Values outside of QC limits





LCS / LCS DUPLICATE RECOVERY
SM 5310 B-00

Laboratory:	<u>Analytical Resources, Inc.</u>	SDG:	<u>18L0426</u>
Client:	<u>Test America</u>	Project:	<u>Portland Harbor Pre-Remedial Design</u>
Matrix:	<u>Water</u>	Analyzed:	<u>12/25/18 04:09</u>
Batch:	<u>BGL0668</u>	Laboratory ID:	<u>BGL0668-BS1</u>
Preparation:	<u>No Prep Wet Chem</u>	Sequence Name:	<u>LCS</u>
Initial/Final:	<u>20 mL / 20 mL</u>		

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	Q	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	20.00	18.99		95.0	90 - 110

* Indicates values outside of QC limits

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	Q	LCSD % REC. #	% RPD #	QC LIMITS	
						RPD	REC.
Total Organic Carbon	20.00	19.10		95.5	0.578	20	90 - 110

* Indicates values outside of QC limits





LCS / LCS DUPLICATE RECOVERY
SM 5310 B-00

Laboratory:	<u>Analytical Resources, Inc.</u>	SDG:	<u>18L0426</u>
Client:	<u>Test America</u>	Project:	<u>Portland Harbor Pre-Remedial Design</u>
Matrix:	<u>Water</u>	Analyzed:	<u>12/26/18 15:42</u>
Batch:	<u>BGL0673</u>	Laboratory ID:	<u>BGL0673-BS1</u>
Preparation:	<u>No Prep Wet Chem</u>	Sequence Name:	<u>LCS</u>
Initial/Final:	<u>20 mL / 20 mL</u>		

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	Q	LCS % REC. #	QC LIMITS REC.
Dissolved Organic Carbon	20.00	18.96		94.8	90 - 110

* Indicates values outside of QC limits





ANALYSIS BATCH (SEQUENCE) SUMMARY
SM 5310 B-00

Laboratory:	<u>Analytical Resources, Inc.</u>	SDG:	<u>18L0426</u>
Client:	<u>Test America</u>	Project:	<u>Portland Harbor Pre-Remedial Design</u>
Sequence:	<u>SGJ0495</u>	Instrument:	<u>TOC-LCSH</u>
		Calibration:	<u>BJ00092</u>

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
Cal Standard	SGJ0495-CAL1	adzuData_10312018@092!	NA	10/29/18 17:20
Cal Standard	SGJ0495-CAL2	adzuData_10312018@092!	NA	10/29/18 17:37
Cal Standard	SGJ0495-CAL3	adzuData_10312018@092!	NA	10/29/18 18:00
Cal Standard	SGJ0495-CAL4	adzuData_10312018@092!	NA	10/29/18 18:17
Cal Standard	SGJ0495-CAL5	adzuData_10312018@092!	NA	10/29/18 18:34
Cal Standard	SGJ0495-CAL6	adzuData_10312018@092!	NA	10/29/18 18:54
Cal Standard	SGJ0495-CAL7	adzuData_10312018@092!	NA	10/29/18 19:14
Cal Standard	SGJ0495-CAL8	adzuData_10312018@092!	NA	10/29/18 19:33
1	SGJ0495-ICV1	adzuData_10312018@092!	NA	10/29/18 19:54
1	SGJ0495-ICB1	adzuData_10312018@092!	NA	10/29/18 20:19
1	SGJ0495-CCV1	adzuData_10312018@092!	NA	10/29/18 23:56
1	SGJ0495-CCB1	adzuData_10312018@092!	NA	10/30/18 00:17



Type	Analysis	Sample Name	Sample ID	Origin	Manual Diluti	Result	Notes	Status	Date / Time	Vial
1	Unknown	NPOC	Rinse	NPOC 0.5 -	1.000	NPOC:0.1029mg/L		Completed	10/29/2018 5:09:15 PM	0
2	Standard	NPOC	SEQ-CAL	NPOC 0.5 -	1.000			Completed	10/29/2018 7:43:01 PM	0, 1, 1, 1, 1, 1
3	Control	NPOC	SEQ-ICV1	CVS 20 pp	1.000	NPOC:19.28ppm	Control val	Completed	10/29/2018 8:02:31 PM	3
4	Control	NPOC	SEQ-ICB1	ICB CCB.tpl	1.000	NPOC:0.2659mg/L	Control val	Completed	10/29/2018 8:26:28 PM	4
5	Unknown	NPOC	SEQ-IFA1	NPOC 0.5 -	1.000	NPOC:18.78mg/L		Completed	10/29/2018 8:45:38 PM	9
6	Unknown	NPOC	18J0334-25 DOC	NPOC 0.5 -	1.000	NPOC:0.6122mg/L		Completed	10/29/2018 9:11:02 PM	10
7	Unknown	NPOC	18J0334-27 DOC	NPOC 0.5 -	1.000	NPOC:0.9334mg/L		Completed	10/29/2018 9:28:47 PM	11
8	Unknown	NPOC	18J0334-29 DOC	NPOC 0.5 -	1.000	NPOC:0.6165mg/L		Completed	10/29/2018 9:46:50 PM	12
9	Unknown	NPOC	18J0334-31 DOC	NPOC 0.5 -	1.000	NPOC:0.4808mg/L		Completed	10/29/2018 10:08:06 PM	13
10	Unknown	NPOC	18J0334-33 DOC	NPOC 0.5 -	1.000	NPOC:0.6551mg/L		Completed	10/29/2018 10:29:28 PM	14
11	Unknown	NPOC	18J0334-35 DOC	NPOC 0.5 -	1.000	NPOC:0.8127mg/L		Completed	10/29/2018 10:47:08 PM	15
12	Unknown	NPOC	18J0334-37 DOC	NPOC 0.5 -	1.000	NPOC:0.7432mg/L		Completed	10/29/2018 11:04:42 PM	16
13	Unknown	NPOC	18J0334-39 DOC	NPOC 0.5 -	1.000	NPOC:1.443mg/L		Completed	10/29/2018 11:22:45 PM	17
14	Unknown	NPOC	BGJ0804-MRL1	NPOC 0.5 -	1.000	NPOC:0.8213mg/L		Completed	10/29/2018 11:44:21 PM	18
15	Control	NPOC	SEQ-CCV1	CVS 20	1.000	NPOC:19.01ppm	Control val	Completed	10/30/2018 12:04:00 AM	3
16	Control	NPOC	SEQ-CCB1	ICB CCB.tpl	1.000	NPOC:0.2336mg/L	Control val	Completed	10/30/2018 12:28:20 AM	4
17	Unknown	NPOC	BGJ0804-BLK1	NPOC 0.5 -	1.000	NPOC:0.1448mg/L		Completed	10/30/2018 12:49:42 AM	19
18	Unknown	NPOC	BGJ0804-BS1	NPOC 0.5 -	1.000	NPOC:0.2026mg/L		Completed	10/30/2018 1:08:48 AM	20
19	Unknown	NPOC	18J0334-47	NPOC 0.5 -	1.000	NPOC:1.443mg/L		Completed	10/30/2018 1:30:33 AM	21
20	Unknown	NPOC	BGJ0804-DUP1	NPOC 0.5 -	1.000	NPOC:1.398mg/L		Completed	10/30/2018 1:52:48 AM	22
21	Unknown	NPOC	BGJ0804-MS1	NPOC 0.5 -	1.000	NPOC:20.32mg/L		Completed	10/30/2018 2:12:37 AM	23
22	Unknown	NPOC	18J0334-49	NPOC 0.5 -	1.000	NPOC:0.2863mg/L		Completed	10/30/2018 2:37:50 AM	24
23	Unknown	NPOC	18J0334-51	NPOC 0.5 -	1.000	NPOC:0.2909mg/L		Completed	10/30/2018 2:59:22 AM	25
24	Unknown	NPOC	18J0334-53	NPOC 0.5 -	1.000	NPOC:0.3362mg/L		Completed	10/30/2018 3:16:52 AM	26
25	Unknown	NPOC	18J0334-55	NPOC 0.5 -	1.000	NPOC:0.3555mg/L		Completed	10/30/2018 3:41:53 AM	27
26	Unknown	NPOC	18J0334-57	NPOC 0.5 -	1.000	NPOC:0.2106mg/L		Completed	10/30/2018 3:59:13 AM	28
27	Control	NPOC	SEQ-CCV2	CVS 20	1.000	NPOC:19.03ppm	Control val	Completed	10/30/2018 4:18:24 AM	3
28	Control	NPOC	SEQ-CCB2	ICB CCB.tpl	1.000	NPOC:0.1235mg/L	Control val	Completed	10/30/2018 4:35:12 AM	4
29	Unknown	NPOC	18J0334-59	NPOC 0.5 -	1.000	NPOC:1.786mg/L		Completed	10/30/2018 5:03:33 AM	29
30	Unknown	NPOC	18J0334-60	NPOC 0.5 -	1.000	NPOC:1.104mg/L		Completed	10/30/2018 5:29:30 AM	30
31	Unknown	NPOC	18J0334-61	NPOC 0.5 -	1.000	NPOC:0.2459mg/L		Completed	10/30/2018 5:54:39 AM	31
32	Unknown	NPOC	18J0334-63	NPOC 0.5 -	1.000	NPOC:0.3079mg/L		Completed	10/30/2018 6:12:05 AM	32
33	Unknown	NPOC	18J0334-65	NPOC 0.5 -	1.000	NPOC:0.4700mg/L		Completed	10/30/2018 6:37:14 AM	33
34	Unknown	NPOC	18J0334-67	NPOC 0.5 -	1.000	NPOC:0.4519mg/L		Completed	10/30/2018 6:54:48 AM	34
35	Unknown	NPOC	18J0334-69	NPOC 0.5 -	1.000	NPOC:0.5122mg/L		Completed	10/30/2018 7:19:54 AM	35
36	Unknown	NPOC	18J0334-71	NPOC 0.5 -	1.000	NPOC:0.6477mg/L		Completed	10/30/2018 7:37:36 AM	36
37	Unknown	NPOC	18J0334-73	NPOC 0.5 -	1.000	NPOC:0.4127mg/L		Completed	10/30/2018 7:58:58 AM	37
38	Unknown	NPOC	18J0334-75	NPOC 0.5 -	1.000	NPOC:1.110mg/L		Completed	10/30/2018 8:16:39 AM	38
39	Control	NPOC	SEQ-CCV3	CVS 20	1.000	NPOC:19.01ppm	Control val	Completed	10/30/2018 8:35:53 AM	5
40	Control	NPOC	SEQ-CCB3	ICB CCB.tpl	1.000	NPOC:0.2164mg/L	Control val	Completed	10/30/2018 8:56:22 AM	6



	Type	Analysis	Sample Name	Sample ID	Origin	Manual Diluti	Result	Notes	Status	Date / Time	Vial
41	Unknown	NPOC	18J0334-77		NPOC 0.5 -	1.000	NPOC:0.4036mg/L		Completed	10/30/2018 9:17:44 AM	39
42	Unknown	NPOC	18J0334-79		NPOC 0.5 -	1.000	NPOC:28.23mg/L		Completed	10/30/2018 9:36:13 AM	40
43	Unknown	NPOC	18J0334-81		NPOC 0.5 -	1.000	NPOC:0.3661mg/L		Completed	10/30/2018 10:01:27 AM	41
44	Unknown	NPOC	18J0334-83		NPOC 0.5 -	1.000	NPOC:1.139mg/L		Completed	10/30/2018 10:19:06 AM	42
45	Unknown	NPOC	BGJ0819-MRL1		NPOC 0.5 -	1.000	NPOC:0.8497mg/L		Completed	10/30/2018 10:40:30 AM	43
46	Unknown	NPOC	BGJ0819-BLK1		NPOC 0.5 -	1.000	NPOC:0.1074mg/L		Completed	10/30/2018 10:57:42 AM	44
47	Unknown	NPOC	BGJ0819-BS1		NPOC 0.5 -	1.000	NPOC:20.34mg/L		Completed	10/30/2018 11:16:51 AM	45
48	Unknown	NPOC	18J0334-41 DOC		NPOC 0.5 -	1.000	NPOC:0.5049mg/L		Completed	10/30/2018 11:42:09 AM	46
49	Unknown	NPOC	18J0334-43 DOC		NPOC 0.5 -	1.000	NPOC:0.3766mg/L		Completed	10/30/2018 12:03:29 PM	47
50	Unknown	NPOC	BGJ0819-DU1P1		NPOC 0.5 -	1.000	NPOC:0.3681mg/L		Completed	10/30/2018 12:21:04 PM	48
51	Control	NPOC	SEQ-CCV4	CVS 20	CVS 20 pp	1.000	NPOC:19.03ppm	Control val	Completed	10/30/2018 12:39:55 PM	5
52	Control	NPOC	SEQ-CCB4		ICB CCB.tpl	1.000	NPOC:0.2063mg/L	Control val	Completed	10/30/2018 1:03:48 PM	6
53	Unknown	NPOC	BGJ0819-MS1		NPOC 0.5 -	1.000	NPOC:22.08mg/L		Completed	10/30/2018 1:23:43 PM	49
54	Unknown	NPOC	BGJ0819-MSD1		NPOC 0.5 -	1.000	NPOC:21.45mg/L		Completed	10/30/2018 1:43:30 PM	50
55	Unknown	NPOC	18J0334-45 DOC		NPOC 0.5 -	1.000	NPOC:0.4186mg/L		Completed	10/30/2018 2:08:46 PM	51
56	Unknown	NPOC	18J0334-47 DOC		NPOC 0.5 -	1.000	NPOC:1.437mg/L		Completed	10/30/2018 2:26:37 PM	52
57	Unknown	NPOC	18J0334-49 DOC		NPOC 0.5 -	1.000	NPOC:0.4350mg/L		Completed	10/30/2018 2:44:23 PM	53
58	Unknown	NPOC	18J0334-51 DOC		NPOC 0.5 -	1.000	NPOC:0.4554mg/L		Completed	10/30/2018 3:01:53 PM	54
59	Unknown	NPOC	18J0334-53 DOC		NPOC 0.5 -	1.000	NPOC:0.5624mg/L		Completed	10/30/2018 3:19:23 PM	55
60	Unknown	NPOC	18J0334-55 DOC		NPOC 0.5 -	1.000	NPOC:0.3932mg/L		Completed	10/30/2018 3:36:55 PM	56
61	Unknown	NPOC	18J0334-57 DOC		NPOC 0.5 -	1.000	NPOC:0.3285mg/L		Completed	10/30/2018 3:54:22 PM	57
62	Unknown	NPOC	18J0334-61 DOC		NPOC 0.5 -	1.000	NPOC:0.4828mg/L		Completed	10/30/2018 4:15:41 PM	58
63	Control	NPOC	SEQ-CCV5	CVS 20	CVS 20 pp	1.000	NPOC:19.09ppm	Control val	Completed	10/30/2018 4:34:55 PM	5
64	Control	NPOC	SEQ-CCB5		ICB CCB.tpl	1.000	NPOC:0.2105mg/L	Control val	Completed	10/30/2018 4:58:46 PM	6
65	Unknown	NPOC	18J0334-63 DOC		NPOC 0.5 -	1.000	NPOC:0.4579mg/L		Completed	10/30/2018 5:16:18 PM	59
66	Unknown	NPOC	18J0334-65 DOC		NPOC 0.5 -	1.000	NPOC:0.6268mg/L		Completed	10/30/2018 5:33:58 PM	60
67	Unknown	NPOC	18J0334-67 DOC		NPOC 0.5 -	1.000	NPOC:0.6132mg/L		Completed	10/30/2018 5:51:37 PM	61
68	Unknown	NPOC	18J0334-69 DOC		NPOC 0.5 -	1.000	NPOC:1.325mg/L		Completed	10/30/2018 6:09:29 PM	62
69	Unknown	NPOC	18J0334-71 DOC		NPOC 0.5 -	1.000	NPOC:0.7786mg/L		Completed	10/30/2018 6:27:28 PM	63
70	Unknown	NPOC	18J0334-73 DOC		NPOC 0.5 -	1.000	NPOC:0.5304mg/L		Completed	10/30/2018 6:45:02 PM	64
71	Unknown	NPOC	18J0334-75 DOC		NPOC 0.5 -	1.000	NPOC:1.262mg/L		Completed	10/30/2018 7:02:41 PM	65
72	Unknown	NPOC	18J0334-77 DOC		NPOC 0.5 -	1.000	NPOC:0.6324mg/L		Completed	10/30/2018 7:20:11 PM	66
73	Unknown	NPOC	18J0334-79 DOC		NPOC 0.5 -	1.000	NPOC:23.82mg/L		Completed	10/30/2018 7:38:30 PM	67
74	Unknown	NPOC	18J0334-81 DOC		NPOC 0.5 -	1.000	NPOC:0.5634mg/L		Completed	10/30/2018 8:03:46 PM	68
75	Control	NPOC	SEQ-CCV6	CVS 20	CVS 20 pp	1.000	NPOC:19.13ppm	Control val	Completed	10/30/2018 8:22:38 PM	7
76	Control	NPOC	SEQ-CCB6		ICB CCB.tpl	1.000	NPOC:0.2019mg/L	Control val	Completed	10/30/2018 8:43:06 PM	8

TOC-Control L Report

BF
2018_10_29_002.tlx

Instr.Information

Instrument Options TOC/ASI/IC Unit/
Catalyst Regular Sensitivity

Sample

Sample Name: Rinse
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

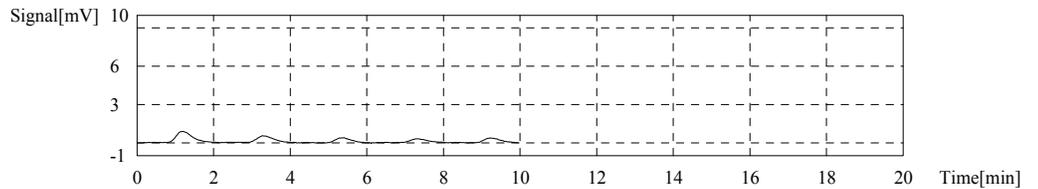
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1029mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.608	0.2647mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_26_16_39_06.cal	10/29/2018 4:55:26 PM
2	1.499	0.1522mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_26_16_39_06.cal	10/29/2018 4:58:53 PM
3	1.157	0.1174mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_26_16_39_06.cal	10/29/2018 5:02:18 PM
4	0.7809	0.07926mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_26_16_39_06.cal	10/29/2018 5:05:45 PM
5	1.103	0.1120mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_26_16_39_06.cal	10/29/2018 5:09:15 PM

Mean Area 1.014
Mean Conc. 0.1029mg/L



Cal. Curve

Sample Name: SEQ-CAL
Sample ID: Curve
Cal. Curve: NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal
Status: Completed

Type	Anal.
Standard	NPOC

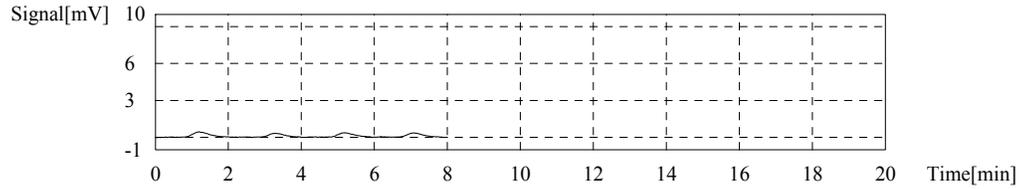
Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.312	100uL	1.000	*****	E	10/29/2018 5:16:56 PM
2	0.8324	100uL	1.000	*****		10/29/2018 5:20:15 PM
3	0.9657	100uL	1.000	*****		10/29/2018 5:23:45 PM
4	0.9431	100uL	1.000	*****		10/29/2018 5:27:19 PM

TOC-Control L Report

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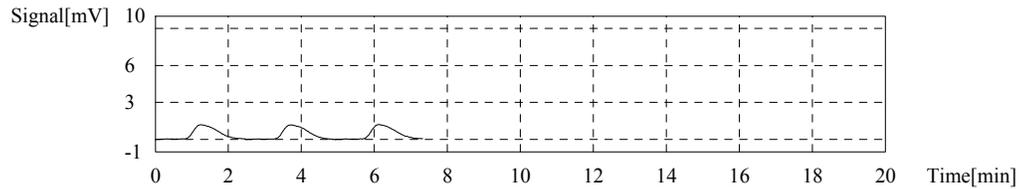
Acid Add. 1.500%
Spurge Gas Flow 80ml
Sp. Time 90.00sec
Mean Area 0.9137



Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	5.069	100uL	10.00	*****		10/29/2018 5:37:58 PM
2	5.147	100uL	10.00	*****		10/29/2018 5:42:48 PM
3	4.983	100uL	10.00	*****		10/29/2018 5:47:42 PM

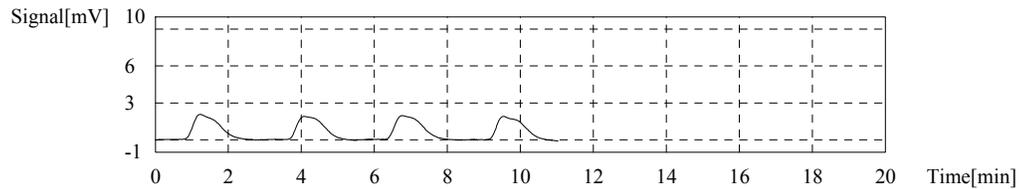
Acid Add. 1.500%
Spurge Gas Flow 80ml
Sp. Time 90.00sec
Mean Area 5.066



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	10.35	100uL	5.000	*****	E	10/29/2018 5:56:53 PM
2	9.744	100uL	5.000	*****		10/29/2018 6:00:34 PM
3	10.05	100uL	5.000	*****		10/29/2018 6:04:22 PM
4	9.968	100uL	5.000	*****		10/29/2018 6:08:05 PM

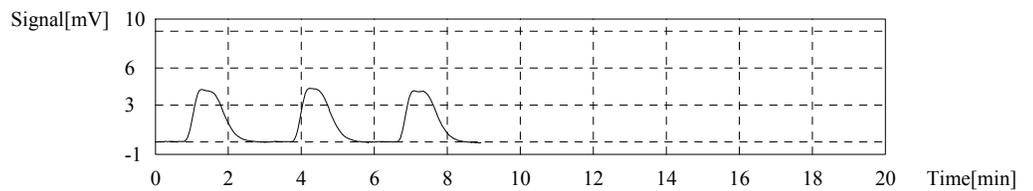
Acid Add. 1.500%
Spurge Gas Flow 80ml
Sp. Time 90.00sec
Mean Area 9.921



Conc: 2.500mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	23.44	100uL	2.000	*****		10/29/2018 6:17:33 PM
2	23.28	100uL	2.000	*****		10/29/2018 6:21:26 PM
3	23.54	100uL	2.000	*****		10/29/2018 6:25:31 PM

Acid Add. 1.500%
Spurge Gas Flow 80ml
Sp. Time 90.00sec
Mean Area 23.42



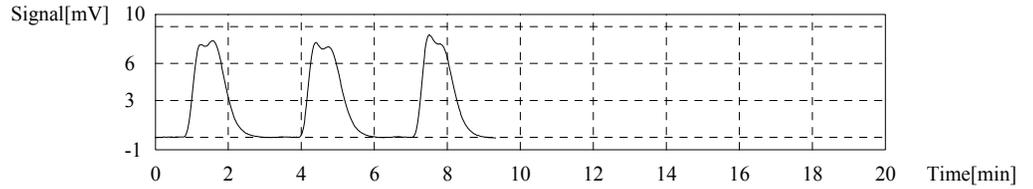
Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	45.35	100uL	1.000	*****		10/29/2018 6:34:36 PM
2	45.19	100uL	1.000	*****		10/29/2018 6:38:42 PM
3	45.29	100uL	1.000	*****		10/29/2018 6:42:45 PM

TOC-Control L Report

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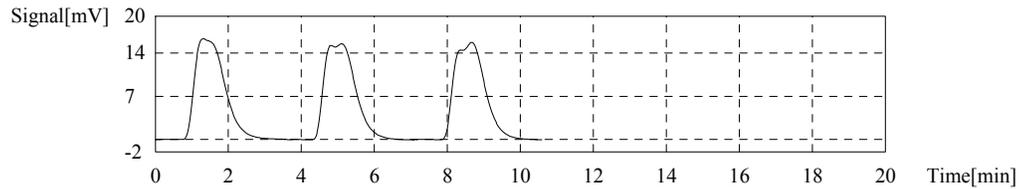
Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 45.28



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	93.16	100uL	5.000	*****		10/29/2018 6:54:48 PM
2	93.43	100uL	5.000	*****		10/29/2018 6:59:20 PM
3	93.01	100uL	5.000	*****		10/29/2018 7:03:50 PM

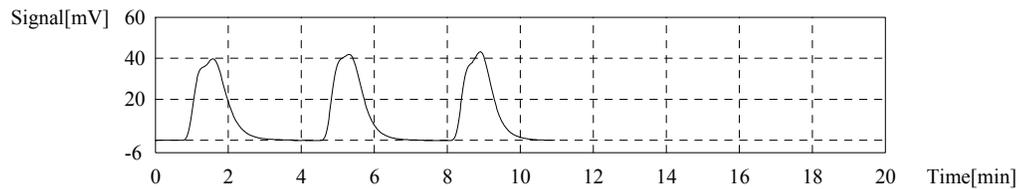
Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 93.20



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	234.8	100uL	2.000	*****		10/29/2018 7:14:08 PM
2	236.3	100uL	2.000	*****		10/29/2018 7:18:42 PM
3	235.7	100uL	2.000	*****		10/29/2018 7:23:17 PM

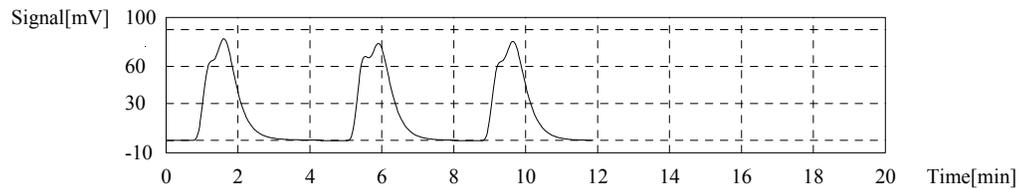
Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 235.6



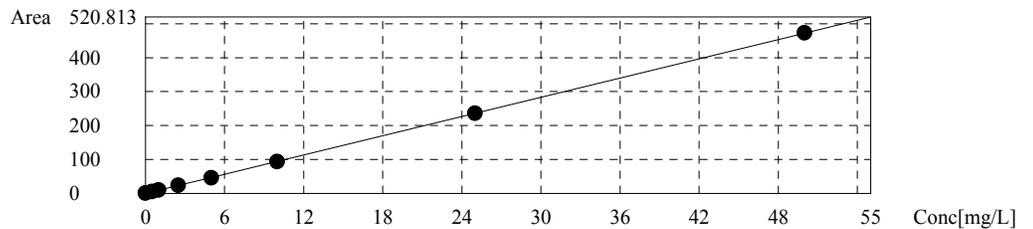
Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	475.4	100uL	1.000	*****		10/29/2018 7:33:29 PM
2	471.5	100uL	1.000	*****		10/29/2018 7:38:13 PM
3	473.5	100uL	1.000	*****		10/29/2018 7:43:01 PM

Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 473.5



Slope: 9.462
 Intercept: 0.000
 r^2: 1.0000
 r: 1.0000
 Zero Shift: Yes



TOC-Control L Report

BF
2018_10_29_002.tlx

Control Sample

Sample Name: SEQ-ICV1
 Sample ID: CVS 20
 Method: CVS 20 ppm.tpl
 Status: Completed
 Chk. Result: Control value: 19.28 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

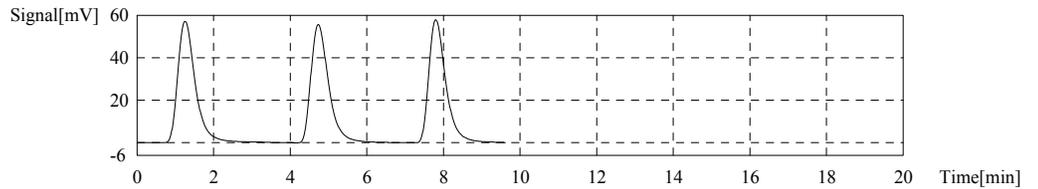
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.28ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	183.9	19.47ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 7:54:24 PM
2	181.2	19.18ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 7:58:28 PM
3	181.1	19.17ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:02:31 PM

Mean Area: 182.1
 Mean Conc.: 19.28ppm



Control Sample

Sample Name: SEQ-ICB1
 Sample ID: ICB CCB.tpl
 Method: Completed
 Status: Completed
 Chk. Result: Control value: 0.2659 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2659mg/L

1. Det.

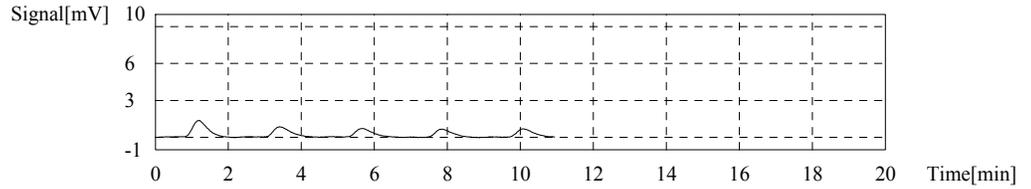
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.924	0.4488mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:12:38 PM
2	2.744	0.3241mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:16:10 PM
3	2.210	0.2677mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:19:36 PM
4	2.292	0.2763mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:23:09 PM
5	2.077	0.2536mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:26:28 PM

TOC-Control L Report

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Mean Area 2.193
Mean Conc. 0.2659mg/L



Sample

Sample Name: SEQ-IFA1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

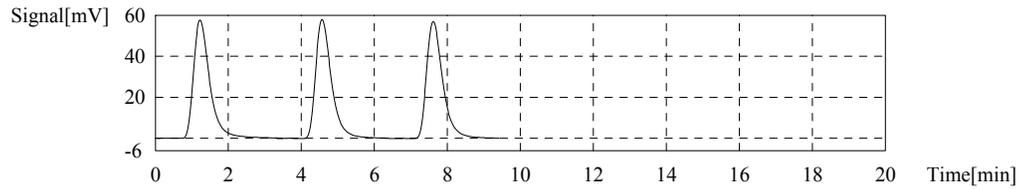
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.78mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.1	18.93mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:37:34 PM
2	176.4	18.64mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:41:36 PM
3	177.6	18.77mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:45:38 PM

Mean Area 177.7
Mean Conc. 18.78mg/L



Sample

Sample Name: 18J0334-25 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6122mg/L

1. Det

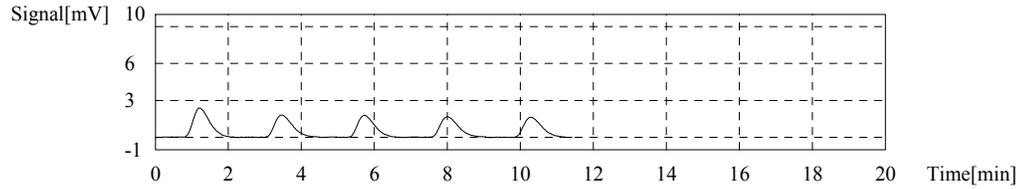
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.587	0.8018mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:55:46 PM
2	6.106	0.6453mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:59:35 PM
3	5.965	0.6304mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:03:22 PM
4	5.728	0.6054mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:07:10 PM
5	5.684	0.6007mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:11:02 PM

TOC-Control L Report

BF
2018_10_29_002.tlx

Mean Area 5.792
Mean Conc. 0.6122mg/L



Sample

Sample Name: 18J0334-27 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

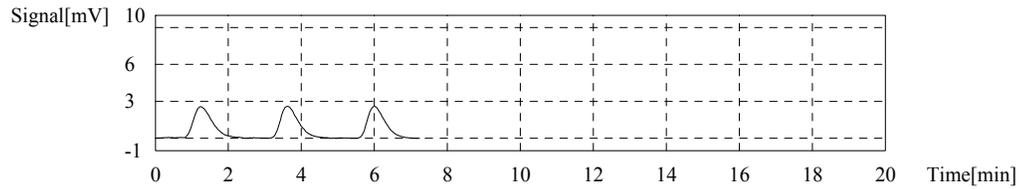
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.9334mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.876	0.9381mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:21:08 PM
2	8.855	0.9358mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:24:55 PM
3	8.764	0.9262mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:28:47 PM

Mean Area 8.832
Mean Conc. 0.9334mg/L



Sample

Sample Name: 18J0334-29 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6165mg/L

1. Det

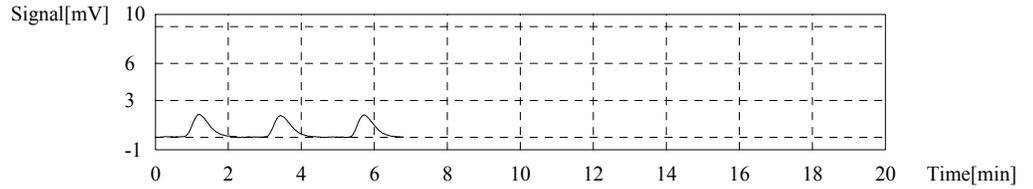
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.761	0.6088mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:39:13 PM
2	5.861	0.6194mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:43:03 PM
3	5.877	0.6211mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:46:50 PM

TOC-Control L Report

2018_10_29_002.tlx

Mean Area 5.833
Mean Conc. 0.6165mg/L



Sample

Sample Name: 18J0334-31 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

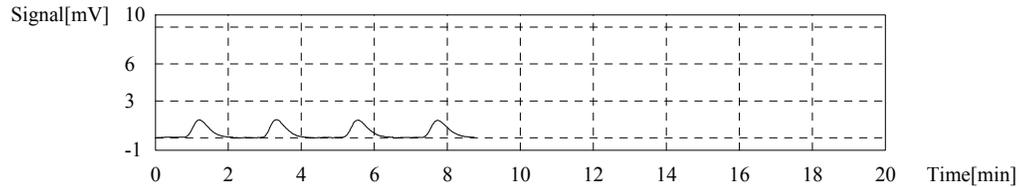
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4808mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.265	0.4507mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:56:39 PM
2	4.556	0.4815mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:00:32 PM
3	4.486	0.4741mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:04:17 PM
4	4.607	0.4869mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:08:06 PM

Mean Area 4.550
Mean Conc. 0.4808mg/L



Sample

Sample Name: 18J0334-33 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6551mg/L

1. Det

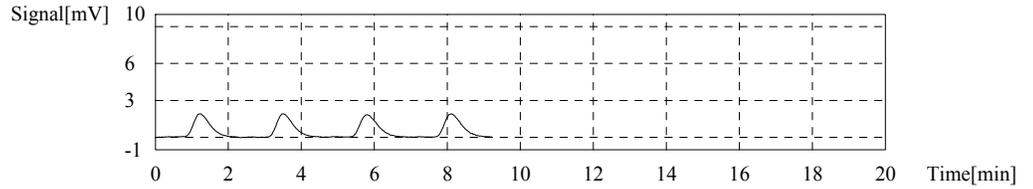
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.877	0.6211mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:18:05 PM
2	6.135	0.6484mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:21:52 PM
3	6.157	0.6507mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:25:40 PM
4	6.303	0.6661mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:29:28 PM

TOC-Control L Report

BF
2018_10_29_002.tlx

Mean Area 6.198
Mean Conc. 0.6551mg/L



Sample

Sample Name: 18J0334-35 DOC
 Sample ID:
 Origin: NPOC 0.5 - 50 ppm.cal
 Status: Completed
 Chk. Result

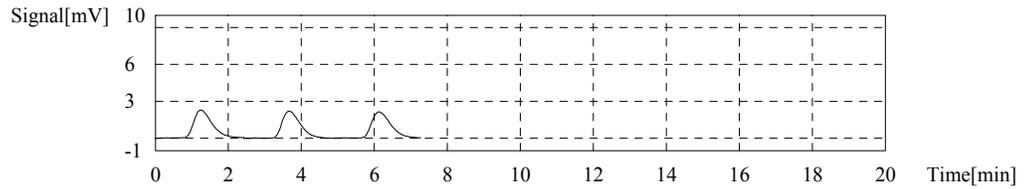
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8127mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.716	0.8155mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:39:35 PM
2	7.749	0.8189mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:43:24 PM
3	7.606	0.8038mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:47:08 PM

Mean Area 7.690
Mean Conc. 0.8127mg/L



Sample

Sample Name: 18J0334-37 DOC
 Sample ID:
 Origin: NPOC 0.5 - 50 ppm.cal
 Status: Completed
 Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7432mg/L

1. Det

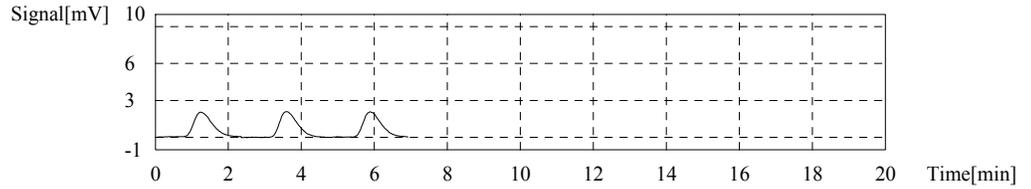
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.982	0.7379mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:57:11 PM
2	7.139	0.7545mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:00:55 PM
3	6.975	0.7371mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:04:42 PM

TOC-Control L Report

BF
2018_10_29_002.tlx

Mean Area 7.032
Mean Conc. 0.7432mg/L



Sample

Sample Name: 18J0334-39 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

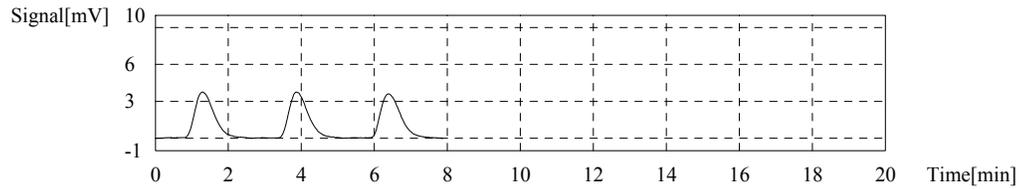
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.443mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.58	1.435mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:15:00 PM
2	13.67	1.445mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:18:43 PM
3	13.71	1.449mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:22:45 PM

Mean Area 13.65
Mean Conc. 1.443mg/L



Sample

Sample Name: BGJ0804-MRL1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8213mg/L

1. Det

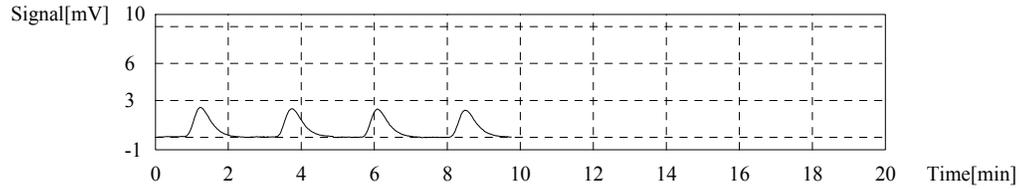
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.023	0.8479mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:33:01 PM
2	7.816	0.8260mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:36:40 PM
3	7.703	0.8141mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:40:29 PM
4	7.795	0.8238mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:44:21 PM

TOC-Control L Report

2018_10_29_002.tlx ^{BF}

Mean Area 7.771
Mean Conc. 0.8213mg/L



Control Sample

Sample Name: SEQ-CCV1
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 19.01 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

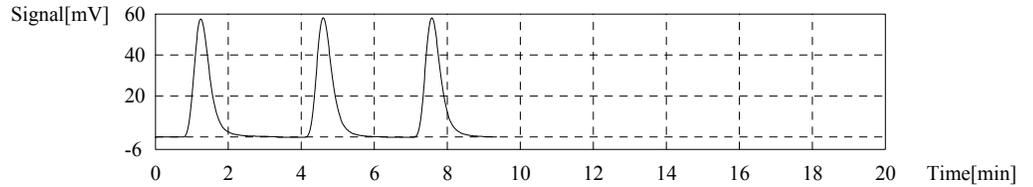
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.01ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.2	18.97ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:56:00 PM
2	179.6	19.01ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:59:59 PM
3	179.9	19.05ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:04:00 AM

Mean Area 179.6
Mean Conc. 19.01ppm



Control Sample

Sample Name: SEQ-CCB1
Sample ID: ICB CCB.tpl
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.2336 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2336mg/L

1. Det.

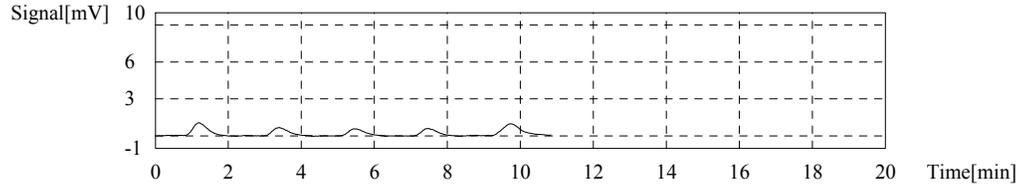
Anal.: NPOC

TOC-Control L Report

BF
2018_10_29_002.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.955	0.3464mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:14:05 AM
2	1.981	0.2435mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:17:29 AM
3	1.732	0.2171mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:20:54 AM
4	1.951	0.2403mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:24:32 AM
5	3.445	0.3982mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:28:20 AM

Mean Area 1.888
Mean Conc. 0.2336mg/L



Sample

Sample Name: BGJ0804-BLK1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

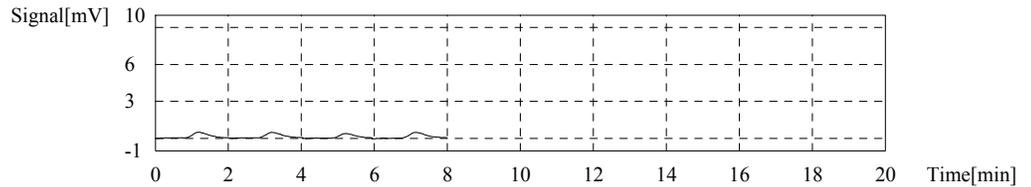
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1448mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.336	0.1412mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:38:19 AM
2	1.348	0.1425mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:42:06 AM
3	1.003	0.1060mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:45:46 AM
4	1.426	0.1507mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:49:42 AM

Mean Area 1.370
Mean Conc. 0.1448mg/L



Sample

Sample Name: BGJ0804-BS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:20.26mg/L

1. Det

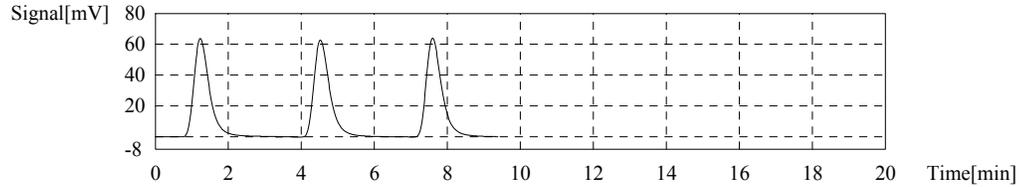
Anal.: NPOC

TOC-Control L Report

BF
2018_10_29_002.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	190.2	20.10mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:00:43 AM
2	191.7	20.26mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:04:47 AM
3	193.3	20.43mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:08:48 AM

Mean Area 191.7
Mean Conc. 20.26mg/L



Sample

Sample Name: 18J0334-47
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

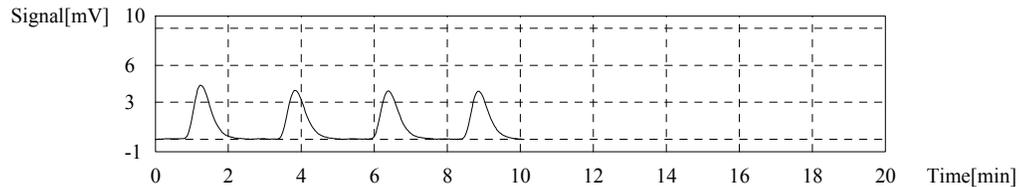
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.443mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.79	1.563mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:19:16 AM
2	13.93	1.472mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:23:02 AM
3	13.56	1.433mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:26:45 AM
4	13.47	1.424mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:30:33 AM

Mean Area 13.65
Mean Conc. 1.443mg/L



Sample

Sample Name: BGJ0804-DUP1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.398mg/L

1. Det

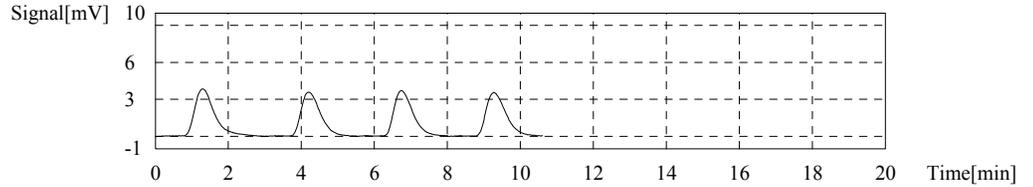
Anal.: NPOC

TOC-Control L Report

BF
2018_10_29_002.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.48	1.530mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:41:39 AM
2	13.13	1.388mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:45:12 AM
3	13.20	1.395mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:48:56 AM
4	13.35	1.411mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:52:48 AM

Mean Area 13.23
Mean Conc. 1.398mg/L



Sample

Sample Name: BGJ0804-MS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

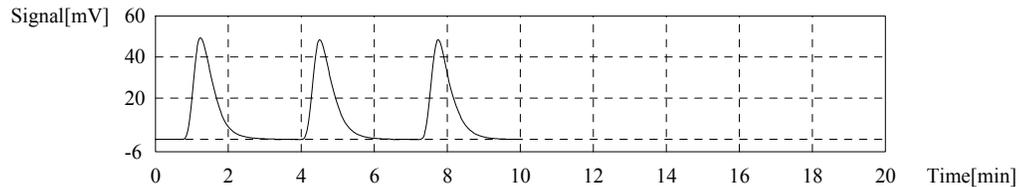
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:20.32mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	193.7	20.47mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:04:00 AM
2	191.9	20.28mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:08:14 AM
3	191.2	20.21mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:12:37 AM

Mean Area 192.3
Mean Conc. 20.32mg/L



Sample

Sample Name: 18J0334-49
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2863mg/L

1. Det

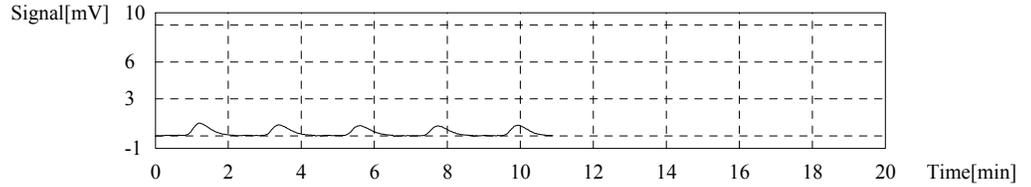
Anal.: NPOC

TOC-Control L Report

BF
2018_10_29_002.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.213	0.3396mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:22:41 AM
2	2.943	0.3110mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:26:30 AM
3	2.709	0.2863mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:30:14 AM
4	2.637	0.2787mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:34:03 AM
5	2.780	0.2938mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:37:50 AM

Mean Area 2.709
Mean Conc. 0.2863mg/L



Sample

Sample Name: 18J0334-51
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

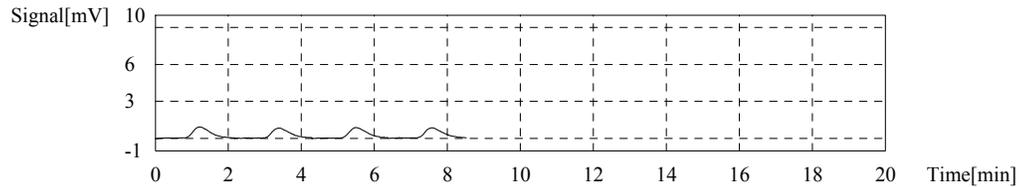
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2909mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.830	0.2991mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:47:51 AM
2	2.579	0.2726mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:51:41 AM
3	2.755	0.2912mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:55:29 AM
4	2.672	0.2824mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:59:22 AM

Mean Area 2.752
Mean Conc. 0.2909mg/L



Sample

Sample Name: 18J0334-53
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3362mg/L

1. Det

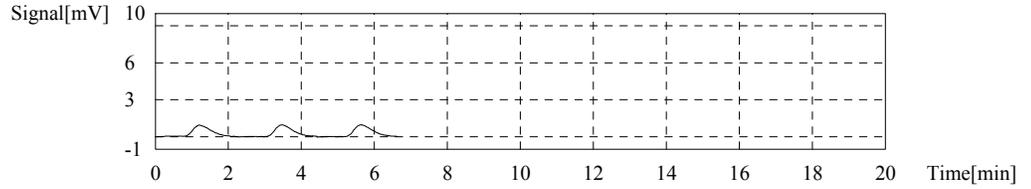
Anal.: NPOC

TOC-Control L Report

BF
2018_10_29_002.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.104	0.3280mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:09:20 AM
2	3.146	0.3325mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:13:02 AM
3	3.293	0.3480mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:16:52 AM

Mean Area 3.181
Mean Conc. 0.3362mg/L



Sample

Sample Name: 18J0334-55
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

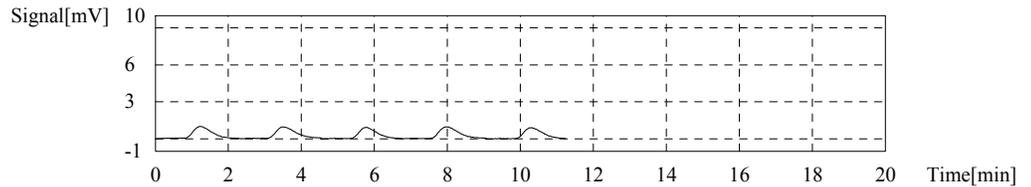
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3555mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.280	0.3466mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:26:51 AM
2	3.320	0.3509mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:30:40 AM
3	3.040	0.3213mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:34:21 AM
4	3.490	0.3688mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:38:17 AM
5	3.096	0.3272mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:41:53 AM

Mean Area 3.363
Mean Conc. 0.3555mg/L



Sample

Sample Name: 18J0334-57
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2106mg/L

1. Det

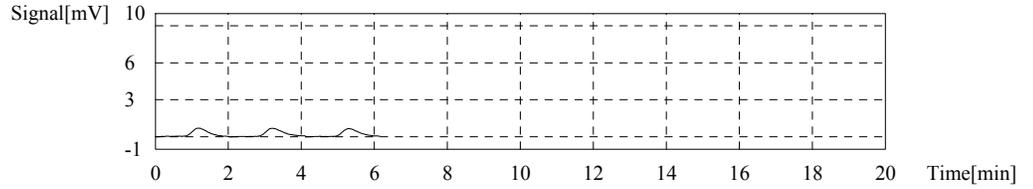
Anal.: NPOC

TOC-Control L Report

BF
2018_10_29_002.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.985	0.2098mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:51:38 AM
2	2.054	0.2171mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:55:30 AM
3	1.939	0.2049mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:59:13 AM

Mean Area 1.993
Mean Conc. 0.2106mg/L



Control Sample

Sample Name: SEQ-CCV2
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 19.03 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

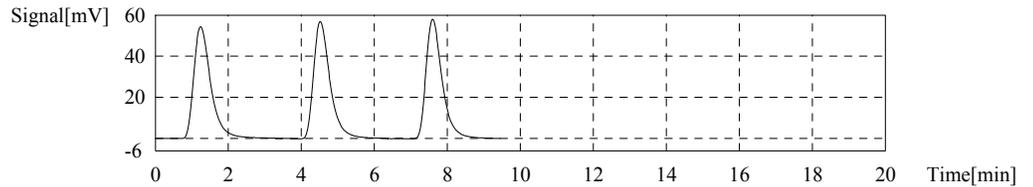
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.03ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	177.8	18.82ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:10:14 AM
2	180.6	19.12ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:14:19 AM
3	180.7	19.13ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:18:24 AM

Mean Area 179.7
Mean Conc. 19.03ppm



Control Sample

Sample Name: SEQ-CCB2
Sample ID: ICB CCB.tpl
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.1235 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1235mg/L

TOC-Control L Report

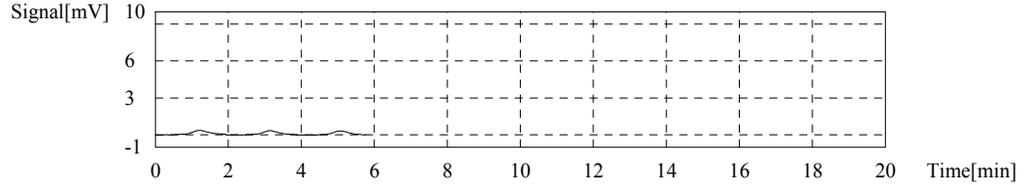
BF
2018_10_29_002.tlx

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9125	0.1305mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:28:14 AM
2	0.8145	0.1202mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:31:44 AM
3	0.8107	0.1198mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:35:12 AM

Mean Area 0.8459
Mean Conc. 0.1235mg/L



Sample

Sample Name: 18J0334-59
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

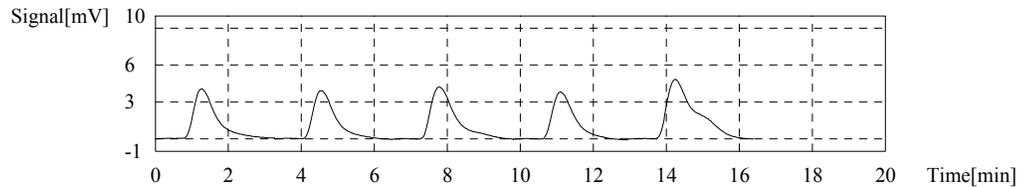
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.786mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.42	1.841mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:46:27 AM
2	16.75	1.770mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:50:40 AM
3	20.12	2.126mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:54:59 AM
4	16.52	1.746mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:59:06 AM
5	26.82	2.834mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:03:33 AM

Mean Area 16.90
Mean Conc. 1.786mg/L



Sample

Sample Name: 18J0334-60
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.104mg/L

TOC-Control L Report

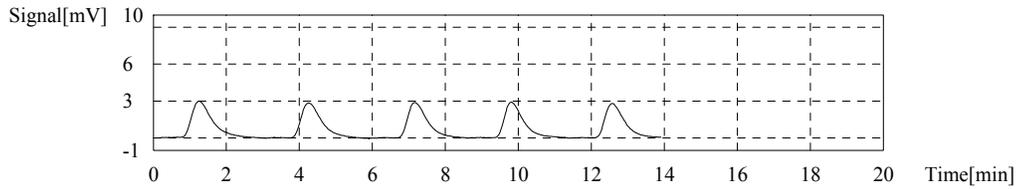
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2018_10_29_002.tlx

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.74	1.241mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:14:28 AM
2	11.26	1.190mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:18:23 AM
3	10.73	1.134mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:22:02 AM
4	10.48	1.108mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:25:54 AM
5	10.14	1.072mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:29:30 AM

Mean Area 10.45
Mean Conc. 1.104mg/L



Sample

Sample Name: 18J0334-61
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

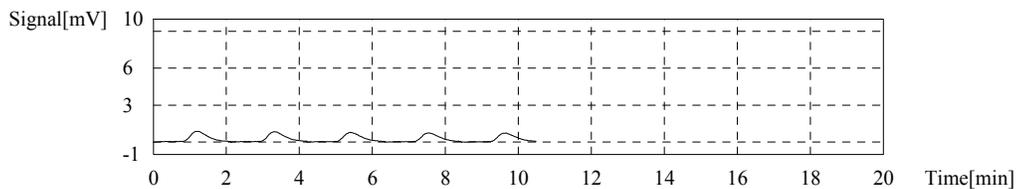
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2459mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.652	0.2803mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:39:36 AM
2	2.522	0.2665mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:43:20 AM
3	2.393	0.2529mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:47:10 AM
4	2.304	0.2435mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:50:55 AM
5	2.284	0.2414mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:54:39 AM

Mean Area 2.327
Mean Conc. 0.2459mg/L



Sample

Sample Name: 18J0334-63
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

BF
2018_10_29_002.tlx

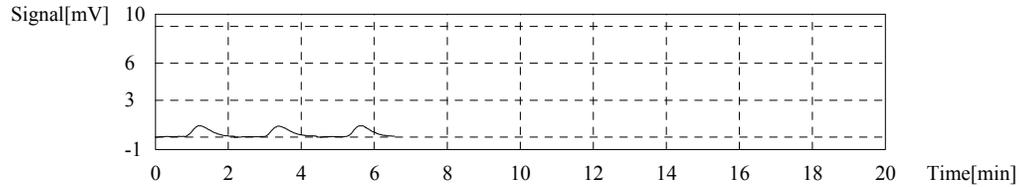
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3079mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.919	0.3085mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:04:34 AM
2	2.906	0.3071mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:08:26 AM
3	2.914	0.3080mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:12:05 AM

Mean Area 2.913
Mean Conc. 0.3079mg/L



Sample

Sample Name: 18J0334-65
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

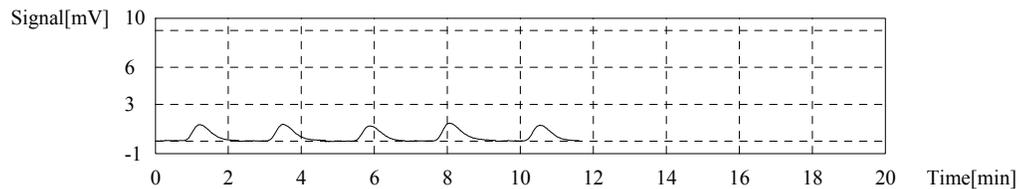
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4700mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.496	0.4752mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:22:06 AM
2	4.615	0.4877mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:25:58 AM
3	4.408	0.4659mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:29:35 AM
4	5.227	0.5524mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:33:38 AM
5	4.438	0.4690mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:37:14 AM

Mean Area 4.447
Mean Conc. 0.4700mg/L



Sample

Sample Name: 18J0334-67
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

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2018_10_29_002.tlx

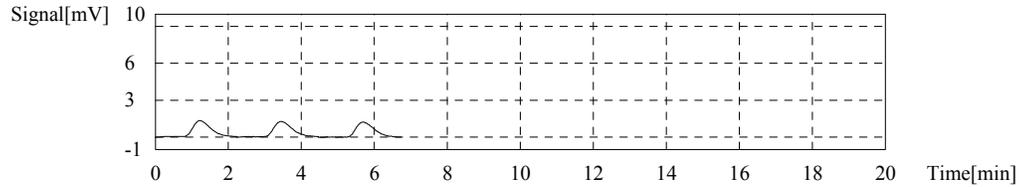
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4519mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.310	0.4555mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:47:11 AM
2	4.277	0.4520mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:51:00 AM
3	4.242	0.4483mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:54:48 AM

Mean Area 4.276
Mean Conc. 0.4519mg/L



Sample

Sample Name: 18J0334-69
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

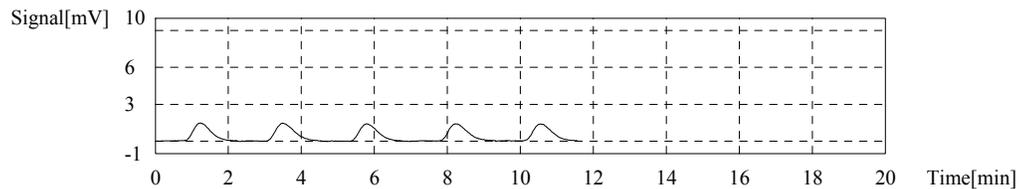
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5122mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.715	0.4983mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:04:47 AM
2	5.239	0.5537mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:08:37 AM
3	5.170	0.5464mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:12:33 AM
4	4.954	0.5236mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:16:12 AM
5	4.872	0.5149mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:19:54 AM

Mean Area 4.847
Mean Conc. 0.5122mg/L



Sample

Sample Name: 18J0334-71
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

BF
2018_10_29_002.tlx

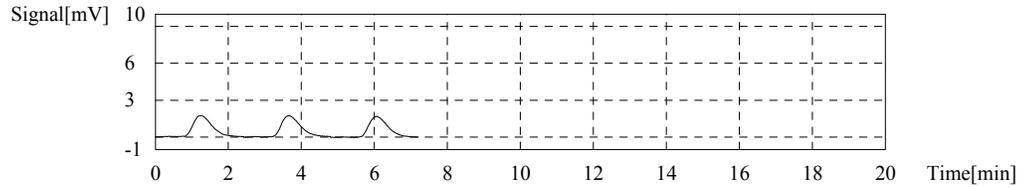
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6477mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.074	0.6419mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:30:03 AM
2	6.194	0.6546mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:33:48 AM
3	6.119	0.6467mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:37:36 AM

Mean Area 6.129
Mean Conc. 0.6477mg/L



Sample

Sample Name: 18J0334-73
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

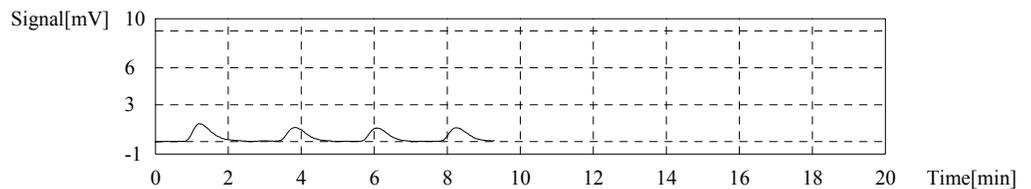
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4127mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.415	0.5723mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:47:55 AM
2	3.943	0.4167mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:51:22 AM
3	3.857	0.4076mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:55:05 AM
4	3.916	0.4139mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:58:58 AM

Mean Area 3.905
Mean Conc. 0.4127mg/L



Sample

Sample Name: 18J0334-75
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

BF
2018_10_29_002.tlx

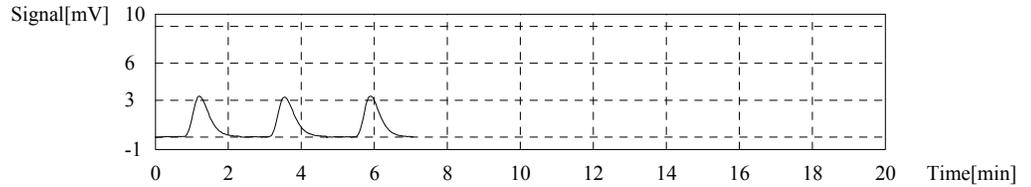
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.110mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.55	1.115mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:09:02 AM
2	10.45	1.104mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:12:50 AM
3	10.51	1.111mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:16:39 AM

Mean Area 10.50
Mean Conc. 1.110mg/L



Control Sample

Sample Name: SEQ-CCV3
 Sample ID: CVS 20
 Method: CVS 20 ppm.tpl
 Status: Completed
 Chk. Result: Control value: 19.01 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

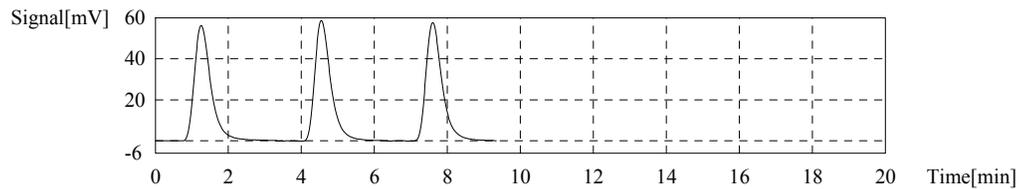
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.01ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	178.5	18.90ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:27:52 AM
2	180.6	19.12ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:31:54 AM
3	179.6	19.01ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:35:53 AM

Mean Area 179.6
Mean Conc. 19.01ppm



Control Sample

Sample Name: SEQ-CCB3
 Sample ID: ICB CCB.tpl
 Method: ICB CCB.tpl
 Status: Completed
 Chk. Result: Control value: 0.2164 / Control within range!

TOC-Control L Report

BF
2018_10_29_002.tlx

(Zero shift setting of cal. curve has been ignored in conc. calculation)

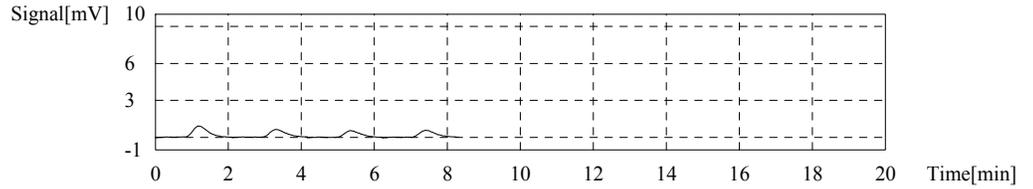
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2164mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.541	0.3026mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:45:54 AM
2	1.804	0.2247mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:49:20 AM
3	1.693	0.2130mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:52:50 AM
4	1.678	0.2114mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:56:22 AM

Mean Area 1.725
Mean Conc. 0.2164mg/L



Sample

Sample Name: 18J0334-77
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

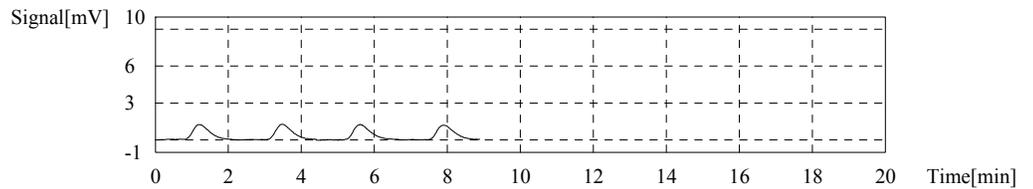
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4036mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.794	0.4010mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:06:27 AM
2	3.803	0.4019mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:10:06 AM
3	4.071	0.4302mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:14:02 AM
4	3.860	0.4079mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:17:44 AM

Mean Area 3.819
Mean Conc. 0.4036mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-79
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

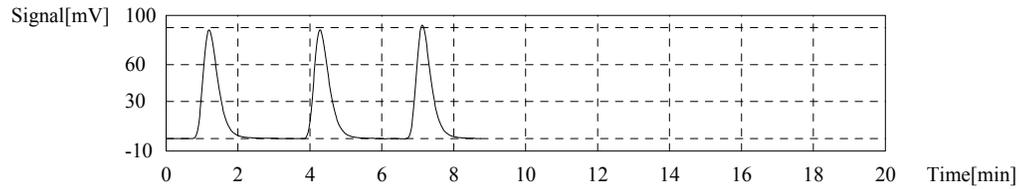
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:28.23mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	265.5	28.06mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:28:33 AM
2	266.3	28.14mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:32:24 AM
3	269.6	28.49mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:36:13 AM

Mean Area 267.1
Mean Conc. 28.23mg/L



Sample

Sample Name: 18J0334-81
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

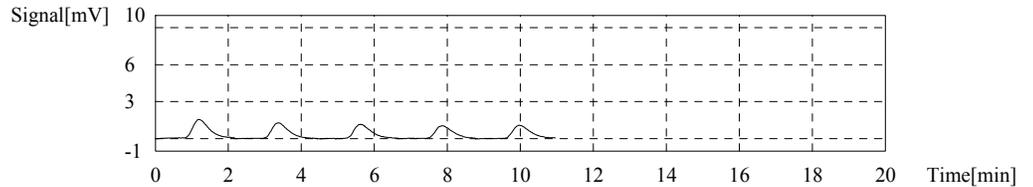
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3661mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.547	0.4805mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:46:18 AM
2	3.966	0.4191mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:50:10 AM
3	3.664	0.3872mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:53:56 AM
4	3.341	0.3531mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:57:36 AM
5	3.387	0.3580mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:01:27 AM

Mean Area 3.464
Mean Conc. 0.3661mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-83
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

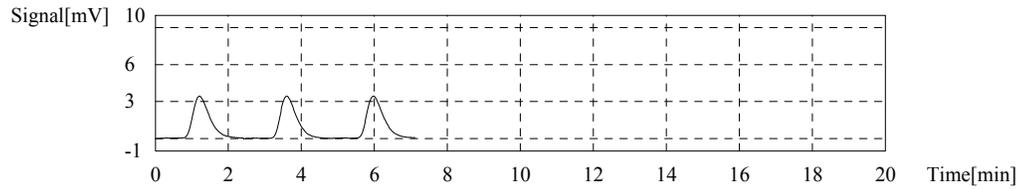
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.139mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.86	1.148mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:11:35 AM
2	10.64	1.124mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:15:20 AM
3	10.82	1.144mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:19:06 AM

Mean Area 10.77
Mean Conc. 1.139mg/L



Sample

Sample Name: BGJ0819-MRL1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

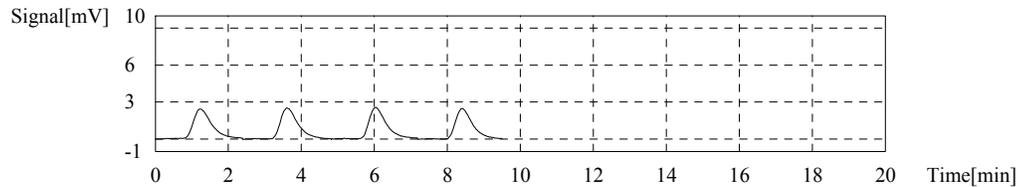
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8497mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.050	0.8508mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:29:13 AM
2	8.476	0.8958mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:33:03 AM
3	8.133	0.8595mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:36:46 AM
4	7.937	0.8388mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:40:30 AM

Mean Area 8.040
Mean Conc. 0.8497mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: BGJ0819-BLK1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

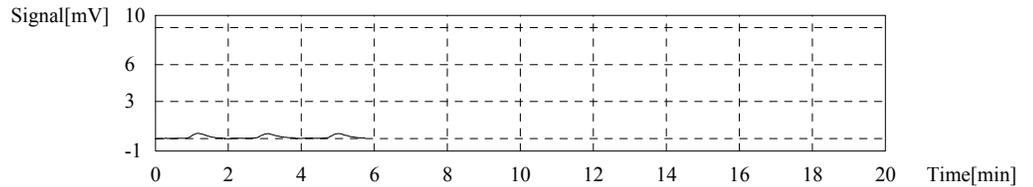
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1074mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.066	0.1127mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:50:08 AM
2	0.9721	0.1027mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:53:57 AM
3	1.012	0.1070mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:57:42 AM

Mean Area 1.017
Mean Conc. 0.1074mg/L



Sample

Sample Name: BGJ0819-BS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

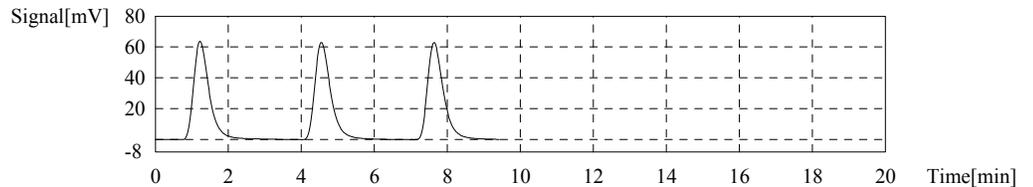
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:20.34mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	190.8	20.16mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:08:45 AM
2	193.2	20.42mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:12:51 AM
3	193.5	20.45mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:16:51 AM

Mean Area 192.5
Mean Conc. 20.34mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-41 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

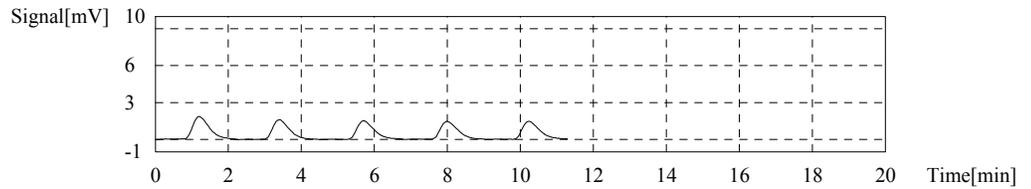
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5049mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.645	0.5966mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:26:57 AM
2	5.119	0.5410mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:30:52 AM
3	4.940	0.5221mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:34:37 AM
4	4.678	0.4944mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:38:22 AM
5	4.715	0.4983mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:42:09 AM

Mean Area 4.778
Mean Conc. 0.5049mg/L



Sample

Sample Name: 18J0334-43 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

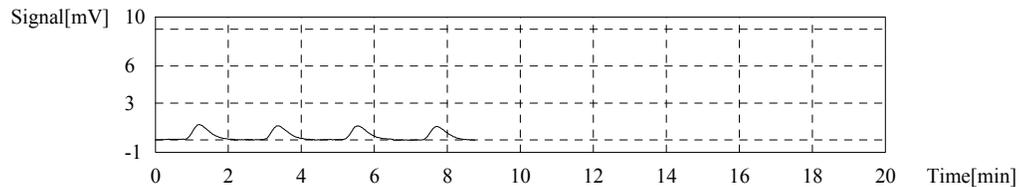
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3766mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.750	0.3963mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:52:04 AM
2	3.649	0.3856mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:55:52 AM
3	3.518	0.3718mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:59:38 AM
4	3.522	0.3722mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:03:29 PM

Mean Area 3.563
Mean Conc. 0.3766mg/L



Sample

TOC-Control L Report

2018_10_29_002.tlx

Sample Name: BGI0819-DUP1
 Sample ID:
 Origin: NPOC 0.5 - 50 ppm.cal
 Status: Completed
 Chk. Result

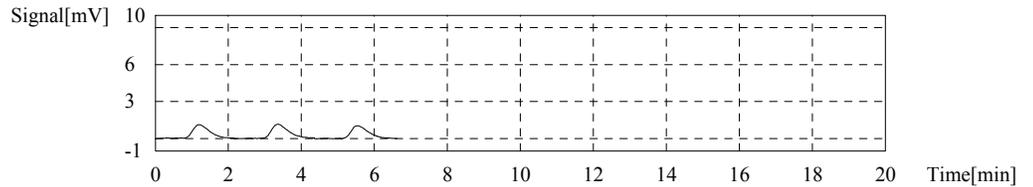
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3681mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.464	0.3661mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:13:24 PM
2	3.550	0.3752mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:17:12 PM
3	3.435	0.3630mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:21:04 PM

Mean Area 3.483
 Mean Conc. 0.3681mg/L



Control Sample

Sample Name: SEQ-CCV4
 Sample ID: CVS 20
 Method: CVS 20 ppm.tpl
 Status: Completed
 Chk. Result: Control value: 19.03 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

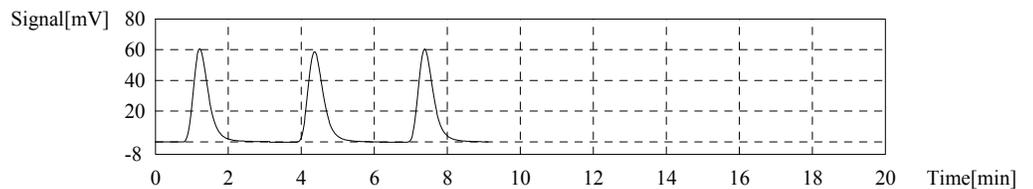
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.03ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.2	18.97ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:31:57 PM
2	179.7	19.03ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:35:57 PM
3	180.2	19.08ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:39:55 PM

Mean Area 179.7
 Mean Conc. 19.03ppm



Control Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: SEQ-CCB4
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.2063 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

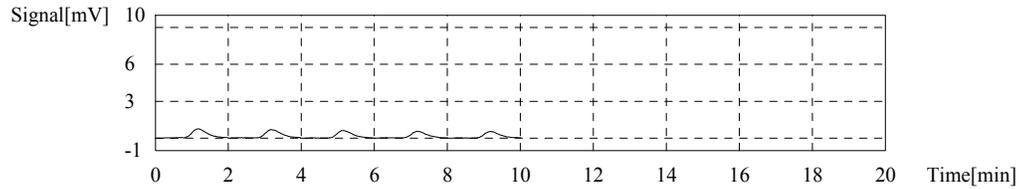
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2063mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.012	0.2467mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:49:49 PM
2	1.935	0.2386mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:53:16 PM
3	1.766	0.2207mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:56:50 PM
4	1.546	0.1975mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:00:18 PM
5	1.576	0.2006mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:03:48 PM

Mean Area: 1.629
Mean Conc.: 0.2063mg/L



Sample

Sample Name: BGJ0819-MS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

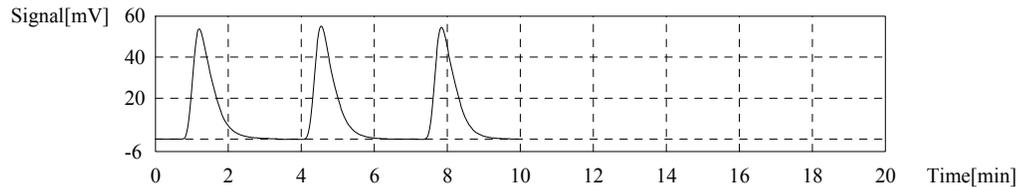
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:22.08mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	208.2	22.00mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:15:07 PM
2	208.7	22.06mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:19:25 PM
3	210.0	22.19mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:23:43 PM

Mean Area: 209.0
Mean Conc.: 22.08mg/L



TOC-Control L Report

BF
2018_10_29_002.tlx

Sample

Sample Name: BGJ0819-MSD1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

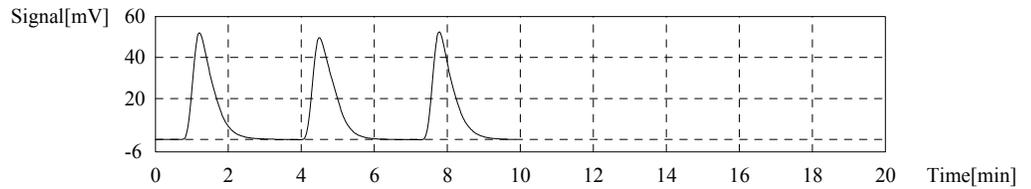
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:21.45mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	202.7	21.42mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:34:56 PM
2	203.0	21.45mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:39:13 PM
3	203.3	21.49mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:43:30 PM

Mean Area 203.0
Mean Conc. 21.45mg/L



Sample

Sample Name: 18J0334-45 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

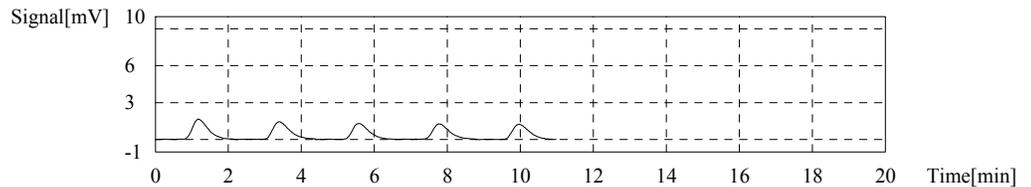
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4186mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.888	0.5166mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:53:38 PM
2	4.447	0.4700mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:57:24 PM
3	4.098	0.4331mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:01:12 PM
4	3.817	0.4034mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:04:58 PM
5	3.969	0.4195mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:08:46 PM

Mean Area 3.961
Mean Conc. 0.4186mg/L



TOC-Control L Report

BF
2018_10_29_002.tlx

Sample

Sample Name: 18J0334-47 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

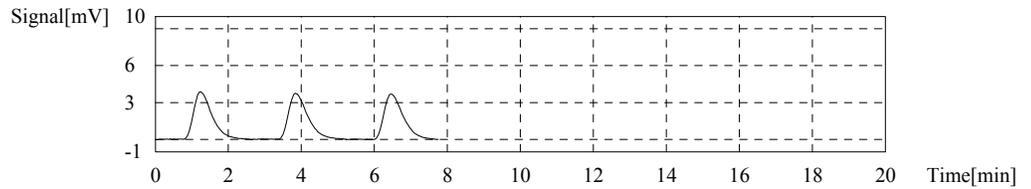
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.437mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.52	1.429mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:19:07 PM
2	13.61	1.438mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:22:55 PM
3	13.65	1.443mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:26:37 PM

Mean Area 13.59
Mean Conc. 1.437mg/L



Sample

Sample Name: 18J0334-49 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

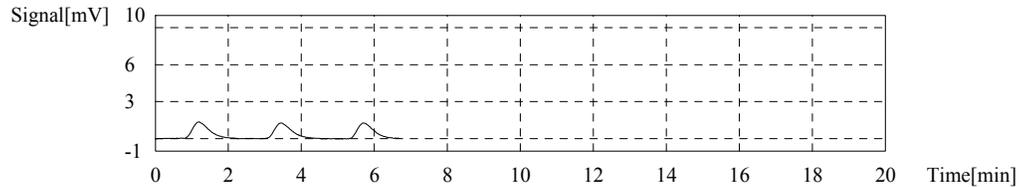
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4350mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.213	0.4452mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:36:54 PM
2	4.078	0.4310mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:40:42 PM
3	4.056	0.4287mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:44:23 PM

Mean Area 4.116
Mean Conc. 0.4350mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-51 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

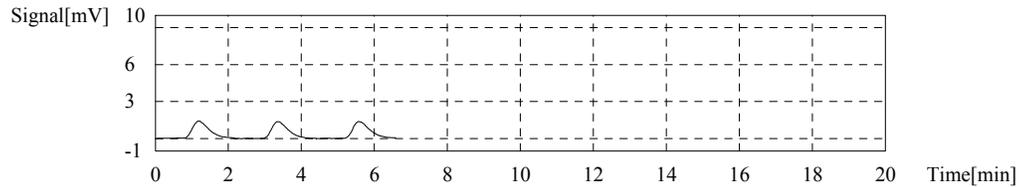
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4554mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.286	0.4530mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:54:18 PM
2	4.303	0.4548mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:58:09 PM
3	4.338	0.4585mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:01:53 PM

Mean Area 4.309
Mean Conc. 0.4554mg/L



Sample

Sample Name: 18J0334-53 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

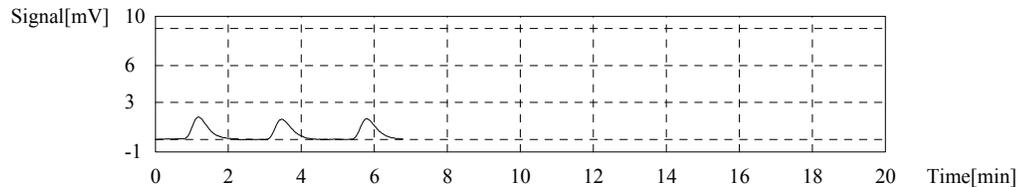
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5624mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.346	0.5650mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:11:54 PM
2	5.379	0.5685mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:15:45 PM
3	5.241	0.5539mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:19:23 PM

Mean Area 5.322
Mean Conc. 0.5624mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-55 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

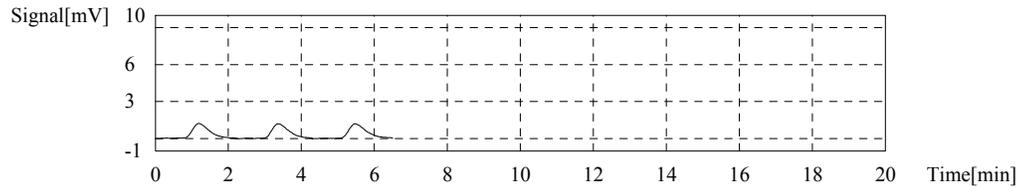
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3932mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.698	0.3908mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:29:19 PM
2	3.681	0.3890mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:33:01 PM
3	3.783	0.3998mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:36:55 PM

Mean Area 3.721
Mean Conc. 0.3932mg/L



Sample

Sample Name: 18J0334-57 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

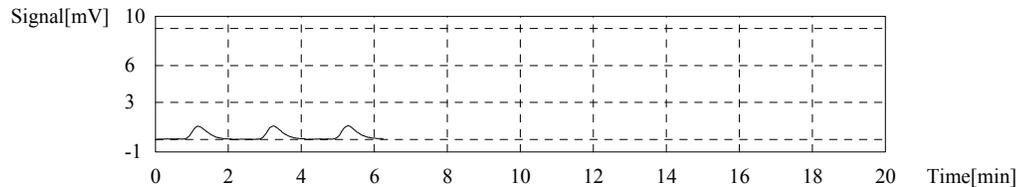
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3285mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.036	0.3209mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:46:43 PM
2	3.115	0.3292mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:50:30 PM
3	3.175	0.3355mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:54:22 PM

Mean Area 3.109
Mean Conc. 0.3285mg/L



Sample

TOC-Control L Report

2018_10_29_002.tlx

Sample Name: 18J0334-61 DOC
 Sample ID:
 Origin: NPOC 0.5 - 50 ppm.cal
 Status: Completed
 Chk. Result

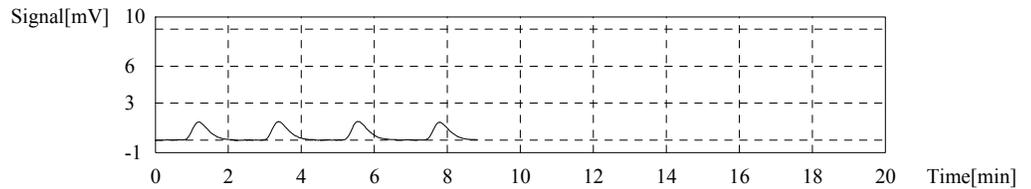
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4828mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.505	0.4761mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:04:18 PM
2	4.672	0.4938mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:08:05 PM
3	4.701	0.4968mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:11:55 PM
4	4.529	0.4786mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:15:41 PM

Mean Area 4.569
 Mean Conc. 0.4828mg/L



Control Sample

Sample Name: SEQ-CCV5
 Sample ID: CVS 20
 Method: CVS 20 ppm.tpl
 Status: Completed
 Chk. Result: Control value: 19.09 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

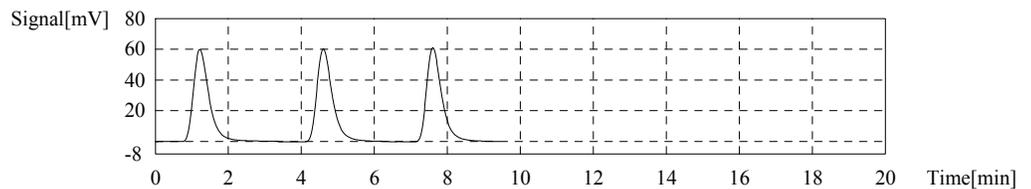
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.09ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.8	19.04ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:26:53 PM
2	180.9	19.15ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:30:53 PM
3	180.1	19.07ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:34:55 PM

Mean Area 180.3
 Mean Conc. 19.09ppm



TOC-Control L Report

BF
2018_10_29_002.tlx

Control Sample

Sample Name: SEQ-CCB5
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.2105 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

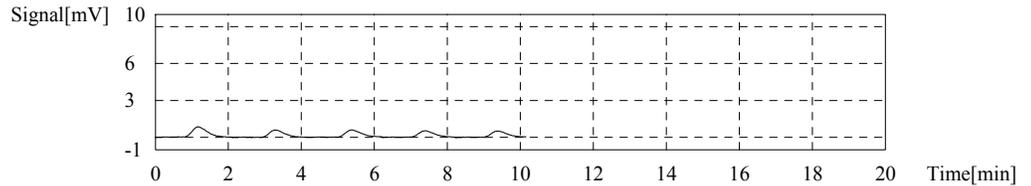
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2105mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.437	0.2916mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:44:56 PM
2	1.764	0.2205mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:48:24 PM
3	1.706	0.2144mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:51:50 PM
4	1.537	0.1965mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:55:18 PM
5	1.315	0.1731mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:58:46 PM

Mean Area: 1.669
Mean Conc.: 0.2105mg/L



Sample

Sample Name: 18J0334-63 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result:

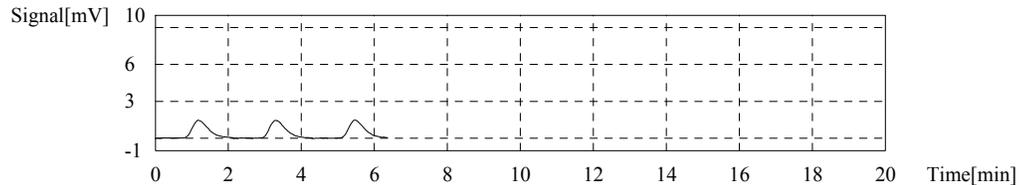
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4579mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.321	0.4567mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:08:47 PM
2	4.436	0.4688mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:12:37 PM
3	4.242	0.4483mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:16:18 PM

Mean Area: 4.333
Mean Conc.: 0.4579mg/L



TOC-Control L Report

BF
2018_10_29_002.tlx

Sample

Sample Name: 18J0334-65 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

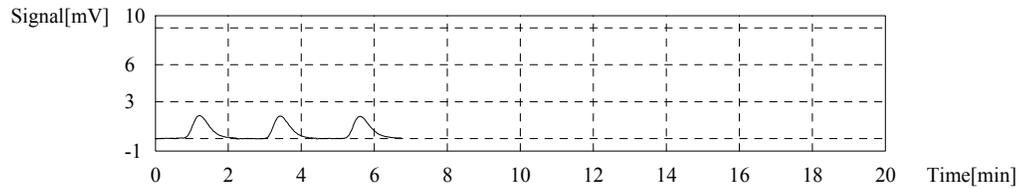
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6268mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.952	0.6290mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:26:16 PM
2	5.832	0.6163mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:30:01 PM
3	6.008	0.6349mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:33:58 PM

Mean Area 5.931
Mean Conc. 0.6268mg/L



Sample

Sample Name: 18J0334-67 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

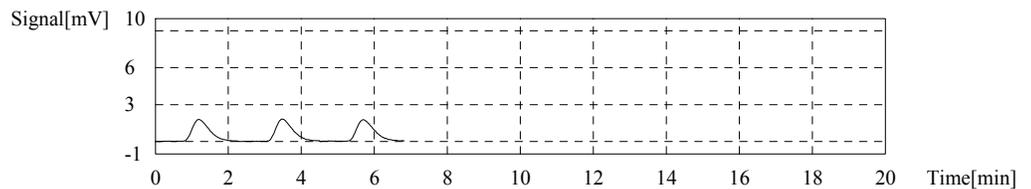
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6132mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.906	0.6242mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:44:01 PM
2	5.751	0.6078mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:47:44 PM
3	5.751	0.6078mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:51:37 PM

Mean Area 5.803
Mean Conc. 0.6132mg/L



TOC-Control L Report

BF
2018_10_29_002.tlx

Sample

Sample Name: 18J0334-69 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

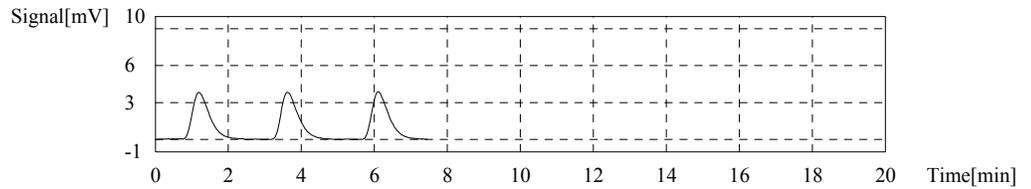
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.325mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.36	1.306mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:01:49 PM
2	12.65	1.337mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:05:39 PM
3	12.61	1.333mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:09:29 PM

Mean Area 12.54
Mean Conc. 1.325mg/L



Sample

Sample Name: 18J0334-71 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

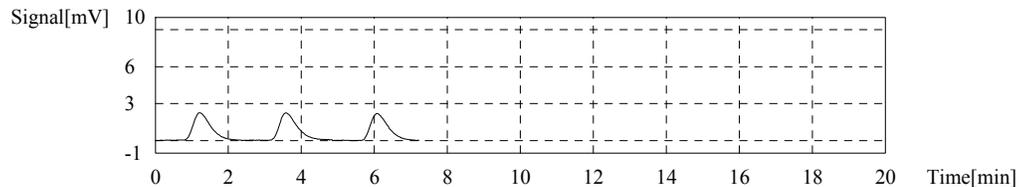
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7786mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.300	0.7715mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:19:54 PM
2	7.463	0.7887mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:23:48 PM
3	7.338	0.7755mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:27:28 PM

Mean Area 7.367
Mean Conc. 0.7786mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-73 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

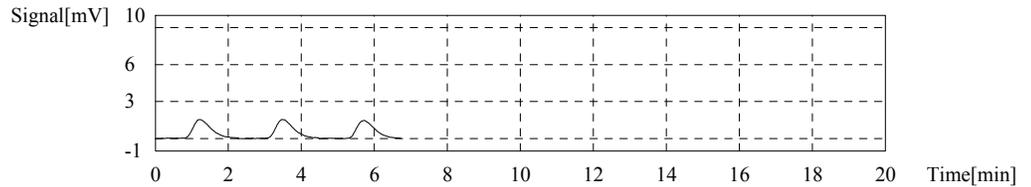
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5304mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.065	0.5353mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:37:30 PM
2	5.058	0.5345mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:41:14 PM
3	4.932	0.5212mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:45:02 PM

Mean Area 5.018
Mean Conc. 0.5304mg/L



Sample

Sample Name: 18J0334-75 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

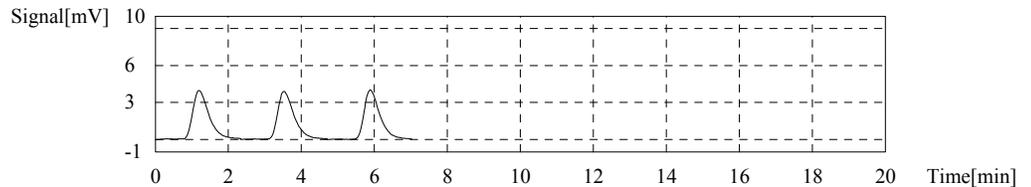
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.262mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.95	1.263mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:55:08 PM
2	11.94	1.262mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:58:57 PM
3	11.94	1.262mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:02:41 PM

Mean Area 11.94
Mean Conc. 1.262mg/L



Sample

TOC-Control L Report

2018_10_29_002.tlx

Sample Name: 18J0334-77 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

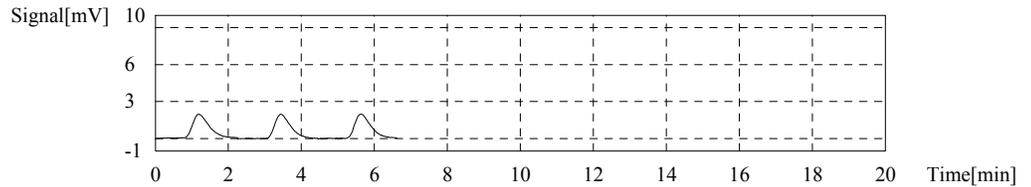
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6324mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.985	0.6325mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:12:42 PM
2	6.010	0.6352mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:16:26 PM
3	5.958	0.6297mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:20:11 PM

Mean Area 5.984
Mean Conc. 0.6324mg/L



Sample

Sample Name: 18J0334-79 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

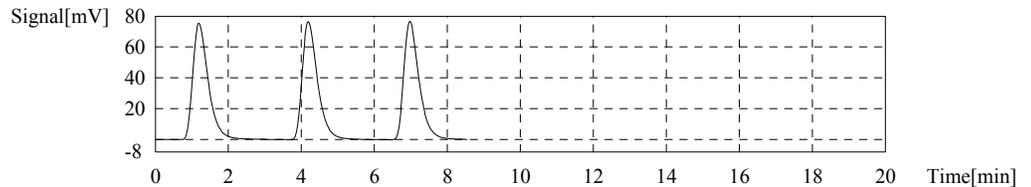
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:23.82mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	224.6	23.74mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:30:58 PM
2	225.6	23.84mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:34:45 PM
3	225.9	23.87mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:38:30 PM

Mean Area 225.4
Mean Conc. 23.82mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-81 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

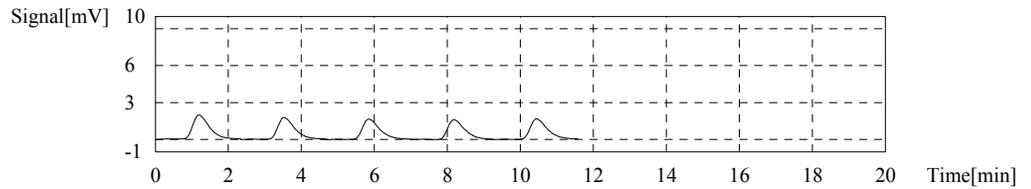
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5634mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.300	0.6658mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:48:39 PM
2	5.579	0.5896mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:52:25 PM
3	5.426	0.5734mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:56:13 PM
4	5.220	0.5517mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:59:56 PM
5	5.346	0.5650mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:03:46 PM

Mean Area 5.331
Mean Conc. 0.5634mg/L



Control Sample

Sample Name: SEQ-CCV6
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 19.13 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

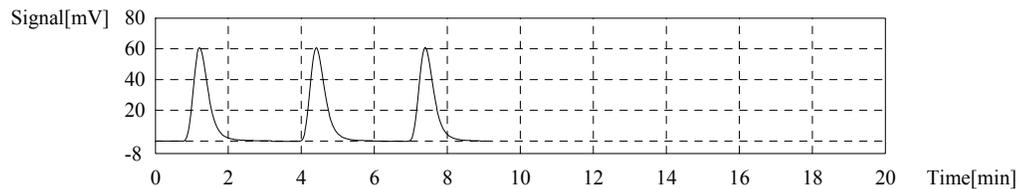
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.13ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	180.8	19.14ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:14:47 PM
2	180.3	19.09ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:18:46 PM
3	181.0	19.16ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:22:38 PM

Mean Area 180.7
Mean Conc. 19.13ppm



TOC-Control L Report

BF
2018_10_29_002.tlx

Control Sample

Sample Name: SEQ-CCB6
 Sample ID:
 Method: ICB CCB.tpl
 Status: Completed
 Chk. Result: Control value: 0.2019 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

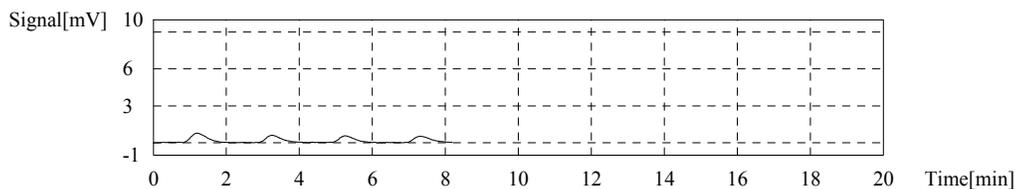
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2019mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.226	0.2693mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:32:36 PM
2	1.670	0.2106mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:36:03 PM
3	1.495	0.1921mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:39:34 PM
4	1.598	0.2030mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:43:06 PM

Mean Area: 1.588
 Mean Conc.: 0.2019mg/L





ANALYSIS BATCH (SEQUENCE) SUMMARY

SM 5310 B-00

Laboratory:	<u>Analytical Resources, Inc.</u>	SDG:	<u>18L0426</u>
Client:	<u>Test America</u>	Project:	<u>Portland Harbor Pre-Remedial Design</u>
Sequence:	<u>SGL0349</u>	Instrument:	<u>TOC-LCSH</u>
		Calibration:	<u>BJ00092</u>

Sample Name	Lab Sample ID	Lab File ID	Matrix	Analysis Date/Time
1	SGL0349-ICV1	adzuData_12262018@092	NA	12/24/18 14:43
1	SGL0349-ICB1	adzuData_12262018@092	NA	12/24/18 15:08
1	SGL0349-IFA1	adzuData_12262018@092	NA	12/24/18 15:26
1	SGL0349-CCV1	adzuData_12262018@092	NA	12/24/18 18:55
1	SGL0349-CCB1	adzuData_12262018@092	NA	12/24/18 19:19
1	SGL0349-CCV2	adzuData_12262018@092	NA	12/24/18 22:54
1	SGL0349-CCB2	adzuData_12262018@092	NA	12/24/18 23:15
MRL Check	BGL0668-MRL1	adzuData_12262018@092	Water	12/25/18 02:47
1	SGL0349-CCV3	adzuData_12262018@092	NA	12/25/18 03:06
1	SGL0349-CCB3	adzuData_12262018@092	NA	12/25/18 03:30
Blank	BGL0668-BLK1	adzuData_12262018@092	Water	12/25/18 03:51
LCS	BGL0668-BS1	adzuData_12262018@092	Water	12/25/18 04:09
LCS Dup	BGL0668-BSD1	adzuData_12262018@092	Water	12/25/18 04:28
1	SGL0349-CCV4	adzuData_12262018@092	NA	12/25/18 07:06
1	SGL0349-CCB4	adzuData_12262018@092	NA	12/25/18 07:31
Calibration Check	SGL0349-CCV5	adzuData_12262018@092	NA	12/25/18 11:20
Calibration Blank	SGL0349-CCB5	adzuData_12262018@092	NA	12/25/18 11:45
PDI-WS-T04-1812	18L0426-01	adzuData_12262018@092	Water	12/25/18 12:40
PDI-WS-T04-1812	BGL0668-DUP3	adzuData_12262018@092	Water	12/25/18 12:58
PDI-WS-T04-1812	BGL0668-MS3	adzuData_12262018@092	Water	12/25/18 13:17
PDI-WS-T04-1812	BGL0668-MSD3	adzuData_12262018@092	Water	12/25/18 13:36
PDI-WS-T02-1811	18L0426-02	adzuData_12262018@092	Water	12/25/18 13:55
PDI-WS-T06-1811	18L0426-03	adzuData_12262018@092	Water	12/25/18 14:13
Calibration Check	SGL0349-CCV6	adzuData_12262018@092	NA	12/25/18 15:09
Calibration Blank	SGL0349-CCB6	adzuData_12262018@092	NA	12/25/18 15:34

TOC-Control L Report

BF
2018_12_24_001.tlx

Instr.Information

Instrument Options
Catalyst

TOC/ASI/IC Unit/
Regular Sensitivity

Sample

Sample Name: Rinse
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

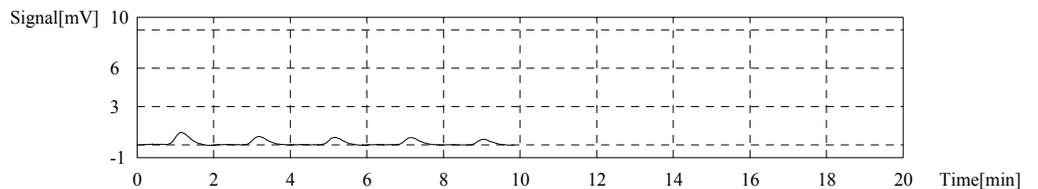
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1734mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.656	0.2807mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 2:19:23 PM
2	1.754	0.1854mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 2:22:50 PM
3	1.614	0.1706mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 2:26:20 PM
4	1.553	0.1641mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 2:29:45 PM
5	1.159	0.1225mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 2:33:17 PM

Mean Area 1.640
Mean Conc. 0.1734mg/L



Control Sample

Sample Name: SEQ-ICV1
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 19.04 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.04ppm

1. Det.

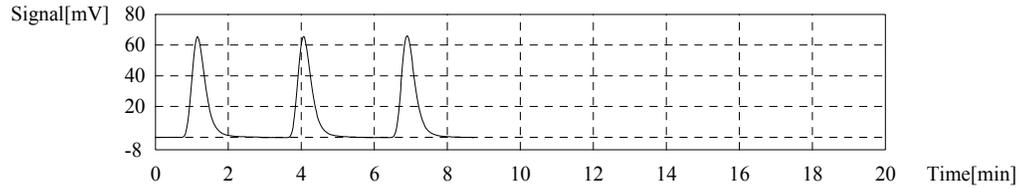
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	178.1	18.86ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 2:43:53 PM
2	180.0	19.06ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 2:47:43 PM
3	181.4	19.21ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 2:51:42 PM

TOC-Control L Report

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Mean Area 179.8
Mean Conc. 19.04ppm



Control Sample

Sample Name: SEQ-ICB1
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.1389 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

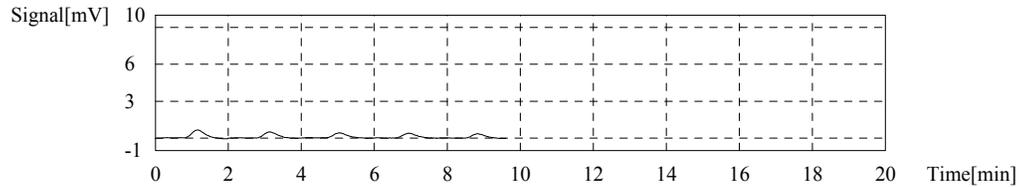
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1389mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.708	0.2146mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:01:35 PM
2	1.308	0.1723mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:05:01 PM
3	1.056	0.1457mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:08:30 PM
4	1.003	0.1401mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:12:00 PM
5	0.9156	0.1309mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:15:30 PM

Mean Area 0.9915
Mean Conc. 0.1389mg/L



Sample

Sample Name: SEQ-IFA1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.93mg/L

1. Det

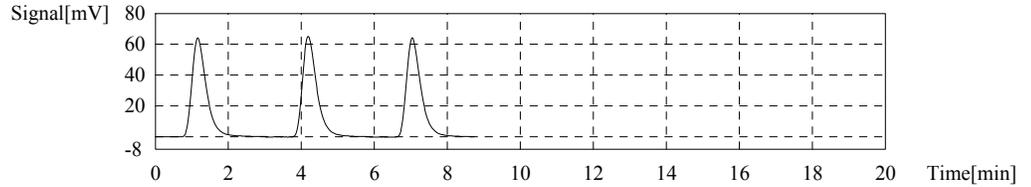
Anal.: NPOC

TOC-Control L Report

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	178.1	18.82mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:26:17 PM
2	179.6	18.98mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:30:07 PM
3	179.6	18.98mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:33:58 PM

Mean Area 179.1
Mean Conc. 18.93mg/L



Sample

Sample Name: BGL0667-MRL1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

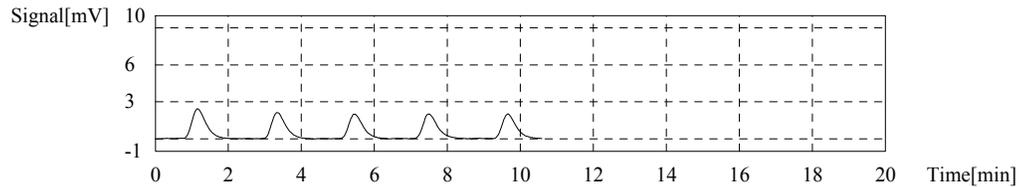
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5731mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.514	0.6884mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:44:04 PM
2	5.709	0.6033mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:47:46 PM
3	5.363	0.5668mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:51:28 PM
4	5.544	0.5859mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:55:23 PM
5	5.361	0.5666mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 3:59:04 PM

Mean Area 5.423
Mean Conc. 0.5731mg/L



Sample

Sample Name: BGL0667-BLK1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1325mg/L

1. Det

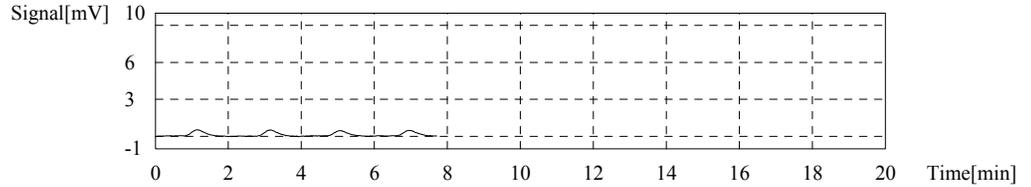
Anal.: NPOC

TOC-Control L Report

BF
2018_12_24_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.315	0.1390mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 4:08:48 PM
2	1.293	0.1366mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 4:12:29 PM
3	1.114	0.1177mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 4:16:15 PM
4	1.154	0.1220mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 4:20:02 PM

Mean Area 1.254
Mean Conc. 0.1325mg/L



Sample

Sample Name: BGL0667-BS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status Completed
Chk. Result

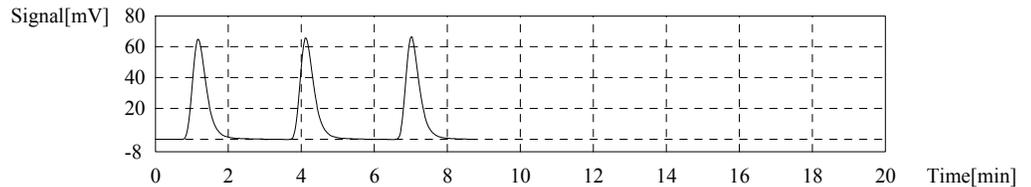
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:19.06mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.6	18.98mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 4:30:41 PM
2	180.6	19.09mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 4:34:34 PM
3	180.9	19.12mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 4:38:27 PM

Mean Area 180.4
Mean Conc. 19.06mg/L



Sample

Sample Name: 18L0347-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2517mg/L

1. Det

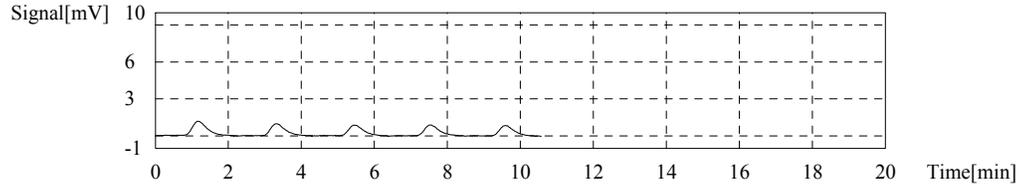
Anal.: NPOC

TOC-Control L Report

BF
2018_12_24_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.158	0.3337mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 4:48:29 PM
2	2.640	0.2790mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 4:52:15 PM
3	2.384	0.2520mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 4:55:59 PM
4	2.433	0.2571mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 4:59:45 PM
5	2.328	0.2460mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 5:03:36 PM

Mean Area 2.382
Mean Conc. 0.2517mg/L



Sample

Sample Name: 18L0347-02
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

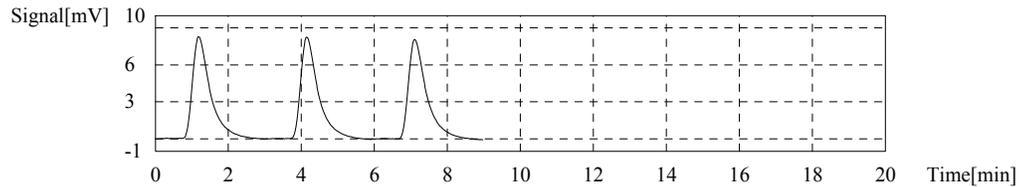
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.980mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	28.32	2.993mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 5:14:16 PM
2	27.92	2.951mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 5:18:12 PM
3	28.35	2.996mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 5:22:14 PM

Mean Area 28.20
Mean Conc. 2.980mg/L



Sample

Sample Name: 18L0347-03
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.655mg/L

1. Det

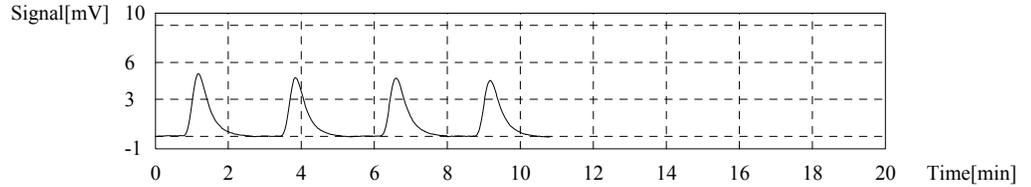
Anal.: NPOC

TOC-Control L Report

BF
2018_12_24_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.53	1.747mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 5:32:47 PM
2	15.66	1.655mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 5:36:38 PM
3	15.80	1.670mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 5:40:16 PM
4	15.52	1.640mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 5:44:17 PM

Mean Area 15.66
Mean Conc. 1.655mg/L



Sample

Sample Name: 18L0347-04
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status Completed
Chk. Result

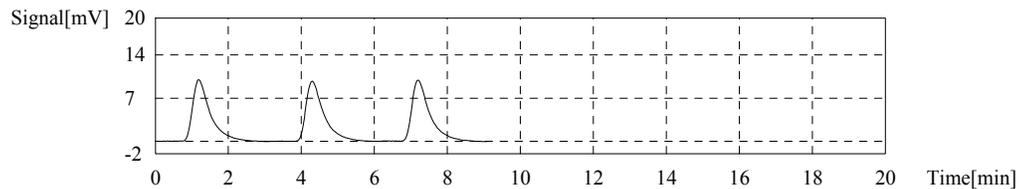
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.584mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.09	3.603mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 5:55:17 PM
2	33.46	3.536mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 5:59:10 PM
3	34.18	3.612mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 6:03:12 PM

Mean Area 33.91
Mean Conc. 3.584mg/L



Sample

Sample Name: 18L0347-05
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.366mg/L

1. Det

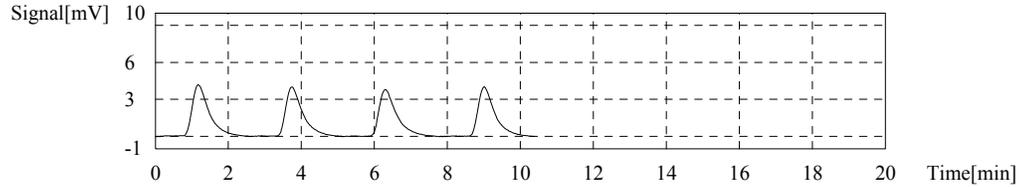
Anal.: NPOC

TOC-Control L Report

BF
2018_12_24_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.38	1.414mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 6:13:39 PM
2	13.05	1.379mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 6:17:25 PM
3	12.84	1.357mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 6:21:22 PM
4	12.89	1.362mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 6:24:59 PM

Mean Area 12.93
Mean Conc. 1.366mg/L



Sample

Sample Name: 18L0347-06
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

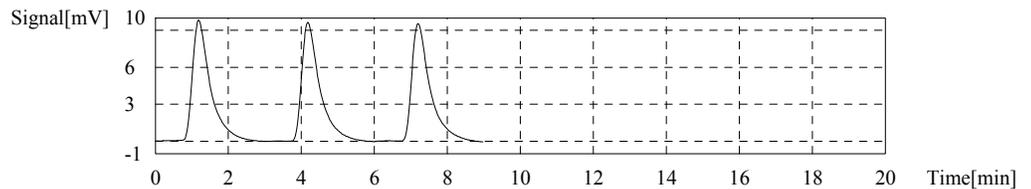
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.557mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.69	3.560mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 6:35:58 PM
2	33.59	3.550mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 6:39:58 PM
3	33.68	3.559mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 6:43:54 PM

Mean Area 33.65
Mean Conc. 3.557mg/L



Control Sample

Sample Name: SEQ-CCV1
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 19.08 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.08ppm

1. Det.

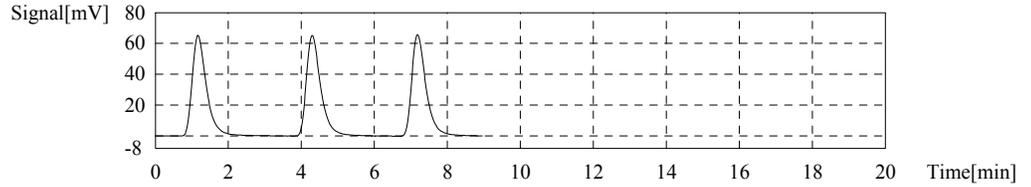
TOC-Control L Report

BF
2018_12_24_001.tlx

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.7	19.03ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 6:55:03 PM
2	180.0	19.06ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 6:58:55 PM
3	180.9	19.15ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 7:02:50 PM

Mean Area 180.2
Mean Conc. 19.08ppm



Control Sample

Sample Name: SEQ-CCB1
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.1663 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

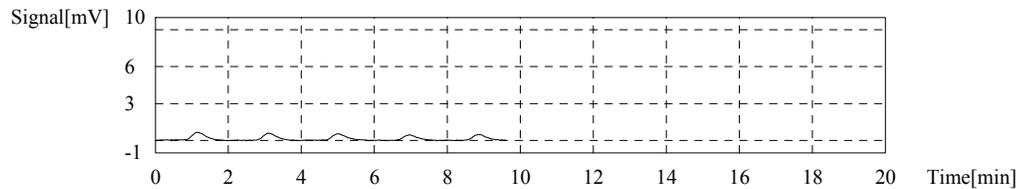
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1663mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.594	0.2026mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 7:12:40 PM
2	1.479	0.1904mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 7:16:07 PM
3	1.351	0.1769mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 7:19:40 PM
4	1.177	0.1585mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 7:23:07 PM
5	1.225	0.1636mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 7:26:37 PM

Mean Area 1.251
Mean Conc. 0.1663mg/L



Sample

Sample Name: BGL0667-DUP1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.532mg/L

TOC-Control L Report

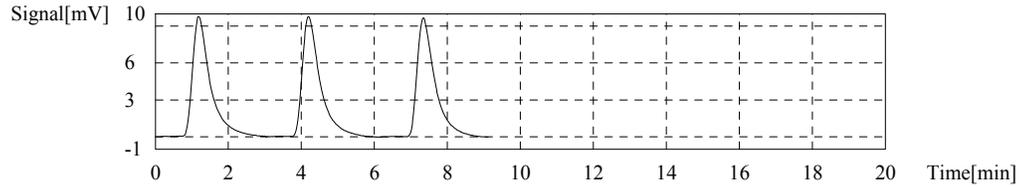
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2018_12_24_001.tlx

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.15	3.503mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 7:37:29 PM
2	33.81	3.573mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 7:41:37 PM
3	33.31	3.520mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 7:45:33 PM

Mean Area 33.42
Mean Conc. 3.532mg/L



Sample

Sample Name: BGL0667-MS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

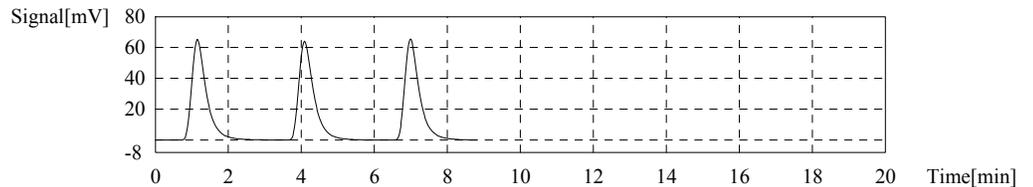
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:19.53mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	184.1	19.46mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 7:56:22 PM
2	184.9	19.54mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 8:00:15 PM
3	185.5	19.60mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 8:04:12 PM

Mean Area 184.8
Mean Conc. 19.53mg/L



Sample

Sample Name: BGL0667-MSD1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:19.77mg/L

1. Det

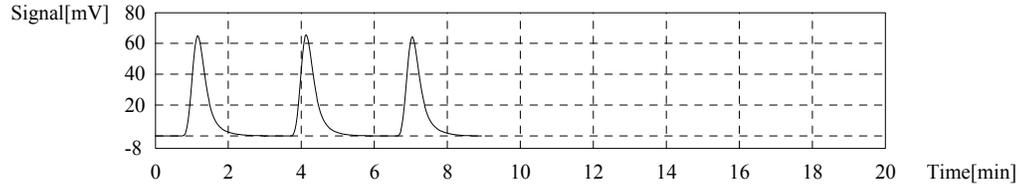
TOC-Control L Report

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2018_12_24_001.tlx

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	186.6	19.72mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 8:15:04 PM
2	187.2	19.78mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 8:18:57 PM
3	187.3	19.79mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 8:22:59 PM

Mean Area 187.0
Mean Conc. 19.77mg/L



Sample

Sample Name: 18L0356-02
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

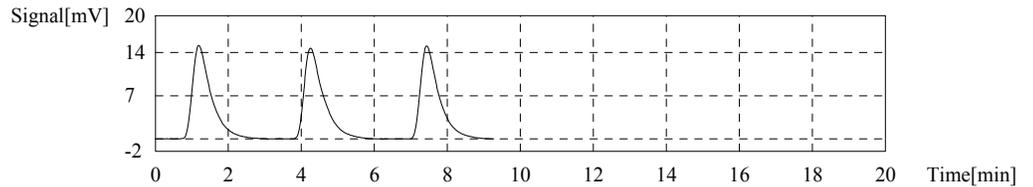
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.738mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	54.46	5.756mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 8:33:56 PM
2	54.54	5.764mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 8:38:06 PM
3	53.87	5.693mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 8:42:06 PM

Mean Area 54.29
Mean Conc. 5.738mg/L



Sample

Sample Name: 18L0357-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.019mg/L

1. Det

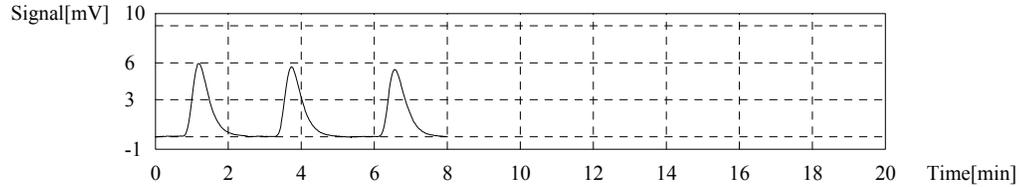
Anal.: NPOC

TOC-Control L Report

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2018_12_24_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.30	2.040mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 8:52:31 PM
2	19.28	2.038mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 8:56:36 PM
3	18.72	1.978mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 9:00:11 PM

Mean Area 19.10
Mean Conc. 2.019mg/L



Sample

Sample Name: 18L0357-03
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

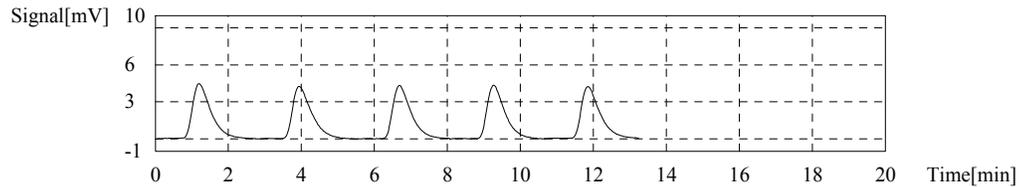
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.575mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	15.62	1.651mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 9:10:50 PM
2	15.59	1.648mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 9:14:38 PM
3	15.05	1.591mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 9:18:15 PM
4	14.84	1.568mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 9:22:02 PM
5	14.83	1.567mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 9:25:49 PM

Mean Area 14.91
Mean Conc. 1.575mg/L



Sample

Sample Name: 18L0357-05
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.092mg/L

1. Det

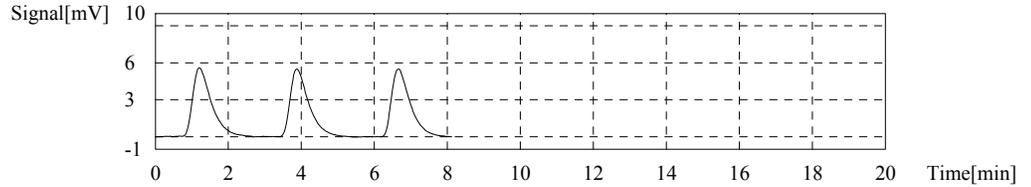
Anal.: NPOC

TOC-Control L Report

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2018_12_24_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.82	2.095mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 9:36:26 PM
2	19.83	2.096mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 9:40:20 PM
3	19.73	2.085mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 9:44:00 PM

Mean Area 19.79
Mean Conc. 2.092mg/L



Sample

Sample Name: 18L0357-07
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

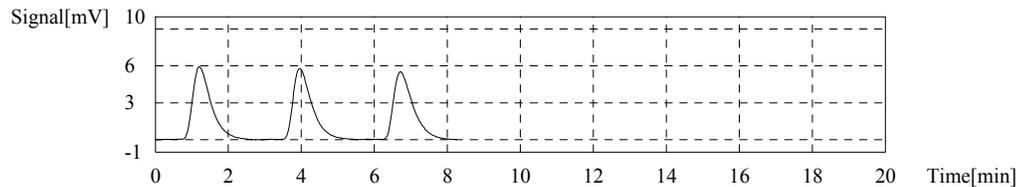
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.202mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	21.06	2.226mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 9:54:38 PM
2	20.72	2.190mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 9:58:25 PM
3	20.73	2.191mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 10:02:12 PM

Mean Area 20.84
Mean Conc. 2.202mg/L



Sample

Sample Name: 18L0357-09
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6606mg/L

1. Det

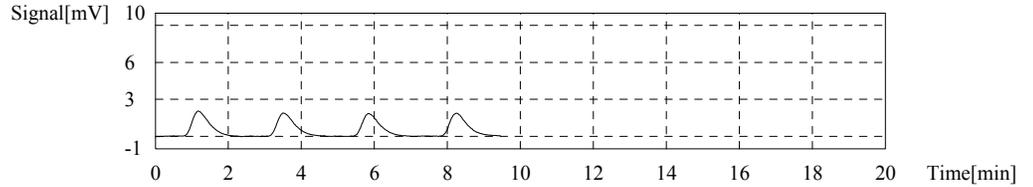
Anal.: NPOC

TOC-Control L Report

BF
2018_12_24_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.715	0.7097mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 10:12:18 PM
2	6.245	0.6600mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 10:16:06 PM
3	6.301	0.6659mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 10:19:57 PM
4	6.206	0.6559mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 10:23:44 PM

Mean Area 6.251
Mean Conc. 0.6606mg/L



Sample

Sample Name: 18L0357-11
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

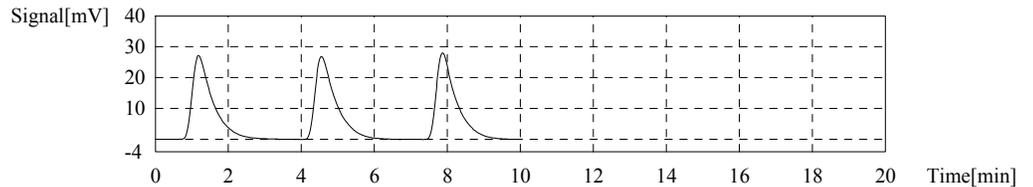
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:11.16mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	105.0	11.10mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 10:34:49 PM
2	105.6	11.16mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 10:39:07 PM
3	106.1	11.21mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 10:43:23 PM

Mean Area 105.6
Mean Conc. 11.16mg/L



Control Sample

Sample Name: SEQ-CCV2
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 18.99 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:18.99ppm

1. Det.

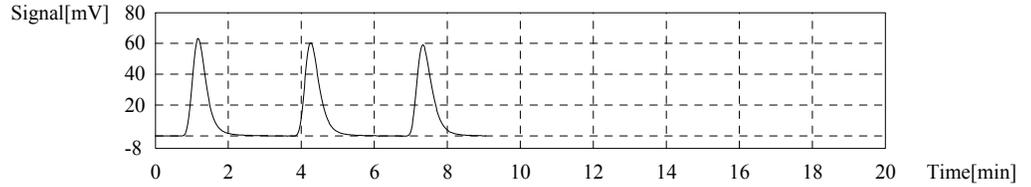
TOC-Control L Report

BF
2018_12_24_001.tlx

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	178.3	18.88ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 10:54:22 PM
2	180.2	19.08ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 10:58:25 PM
3	179.6	19.01ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 11:02:19 PM

Mean Area 179.4
Mean Conc. 18.99ppm



Control Sample

Sample Name: SEQ-CCB2
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.1923 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

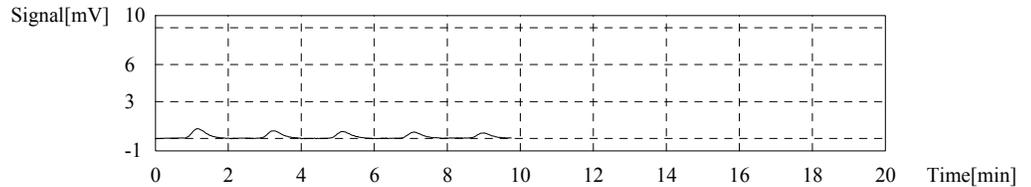
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1923mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.194	0.2660mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 11:12:18 PM
2	1.646	0.2080mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 11:15:37 PM
3	1.539	0.1967mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 11:19:10 PM
4	1.307	0.1722mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 11:22:37 PM
5	1.019	0.1418mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 11:26:08 PM

Mean Area 1.497
Mean Conc. 0.1923mg/L



Sample

Sample Name: 18L0357-13
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3905mg/L

TOC-Control L Report

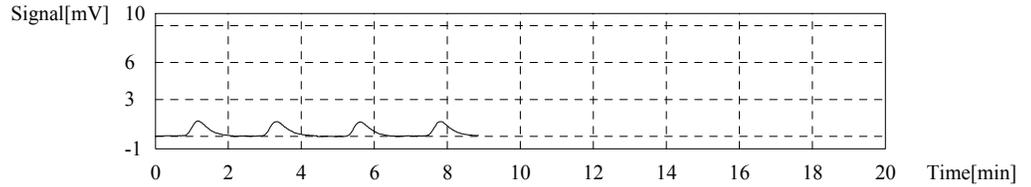
BF
2018_12_24_001.tlx

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.646	0.3853mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 11:36:14 PM
2	3.847	0.4066mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 11:40:11 PM
3	3.773	0.3987mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 11:43:52 PM
4	3.666	0.3874mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 11:47:40 PM

Mean Area 3.695
Mean Conc. 0.3905mg/L



Sample

Sample Name: 18L0357-15
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

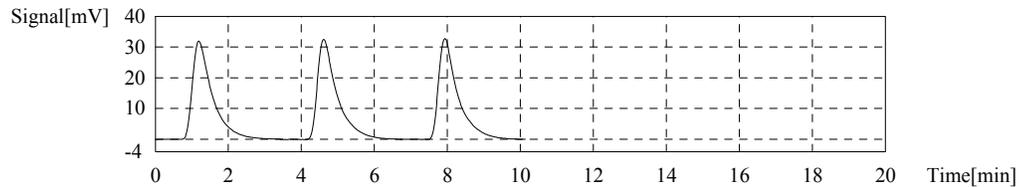
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:12.87mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	121.1	12.80mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/24/2018 11:58:49 PM
2	122.5	12.95mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:03:07 AM
3	121.8	12.87mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:07:30 AM

Mean Area 121.8
Mean Conc. 12.87mg/L



Sample

Sample Name: 18L0357-17
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.586mg/L

1. Det

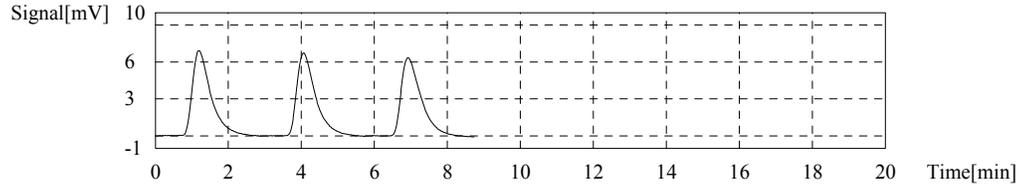
TOC-Control L Report

BF
2018_12_24_001.tlx

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	24.62	2.602mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:18:15 AM
2	24.38	2.577mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:22:06 AM
3	24.40	2.579mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:26:07 AM

Mean Area 24.47
Mean Conc. 2.586mg/L



Sample

Sample Name: 18L0357-19
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

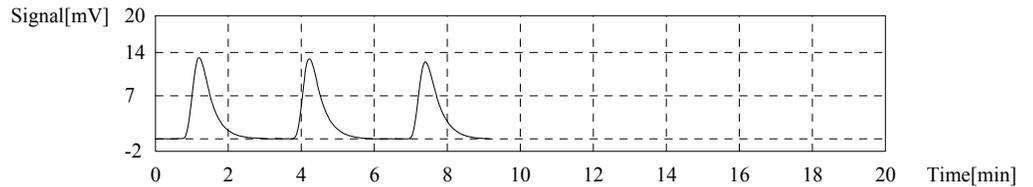
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.079mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	48.16	5.090mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:37:03 AM
2	48.35	5.110mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:41:12 AM
3	47.66	5.037mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:45:10 AM

Mean Area 48.06
Mean Conc. 5.079mg/L



Sample

Sample Name: 18L0382-03
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.142mg/L

1. Det

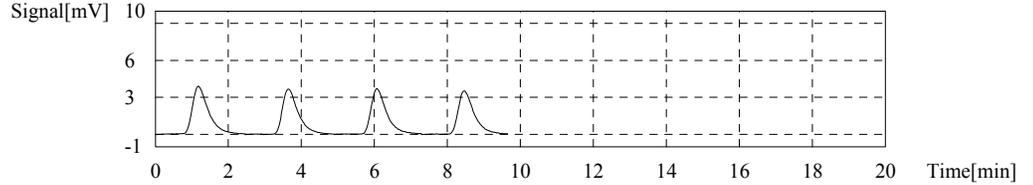
Anal.: NPOC

TOC-Control L Report

BF
2018_12_24_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.78	1.245mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:55:32 AM
2	11.01	1.164mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:59:17 AM
3	10.82	1.144mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:03:01 AM
4	10.58	1.118mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:06:47 AM

Mean Area 10.80
Mean Conc. 1.142mg/L



Sample

Sample Name: BGL0667-DUP2
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

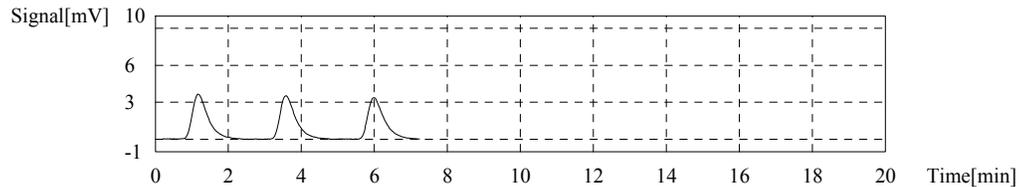
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.128mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.85	1.147mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:16:54 AM
2	10.58	1.118mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:20:41 AM
3	10.58	1.118mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:24:30 AM

Mean Area 10.67
Mean Conc. 1.128mg/L



Sample

Sample Name: BGL0667-MS2
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:17.00mg/L

1. Det

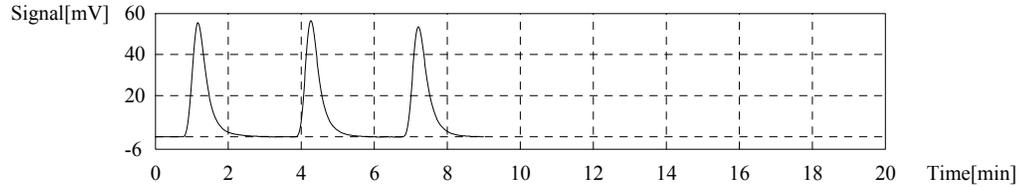
Anal.: NPOC

TOC-Control L Report

BF
2018_12_24_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	161.2	17.04mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:35:19 AM
2	160.8	16.99mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:39:14 AM
3	160.5	16.96mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:43:10 AM

Mean Area 160.8
Mean Conc. 17.00mg/L



Sample

Sample Name: BGL0667-MSD2
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

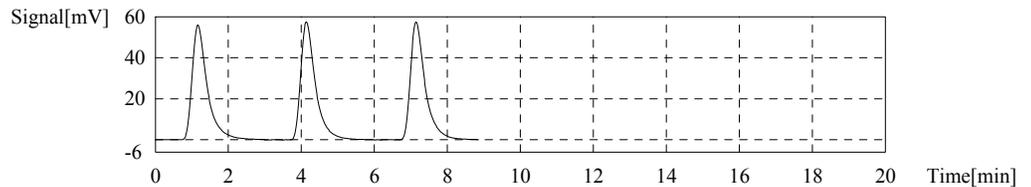
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:17.22mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	162.5	17.17mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:54:03 AM
2	163.3	17.26mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:58:02 AM
3	163.0	17.23mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:01:53 AM

Mean Area 162.9
Mean Conc. 17.22mg/L



Sample

Sample Name: 18L0413-02
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.12mg/L

1. Det

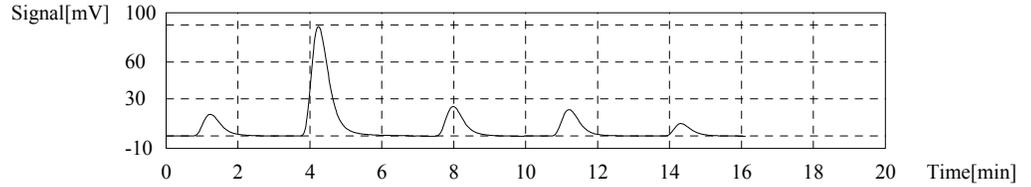
Anal.: NPOC

TOC-Control L Report

BF
2018_12_24_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	64.20	13.57mg/L	50uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:12:48 AM
2	317.6	67.13mg/L	50uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:17:31 AM
3	87.03	18.40mg/L	50uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:21:43 AM
4	77.61	16.40mg/L	50uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:25:51 AM
5	35.10	7.419mg/L	50uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:29:50 AM

Mean Area 76.28
Mean Conc. 16.12mg/L



Sample

Sample Name: BGL0668-MRL1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

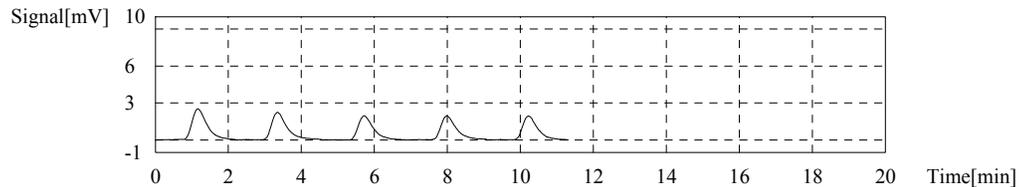
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5883mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.002	0.7400mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:39:55 AM
2	6.374	0.6736mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:43:53 AM
3	5.685	0.6008mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:47:34 AM
4	5.495	0.5807mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:51:20 AM
5	5.519	0.5833mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:55:07 AM

Mean Area 5.566
Mean Conc. 0.5883mg/L



Control Sample

Sample Name: SEQ-CCV3
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 19.09 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.09ppm

TOC-Control L Report

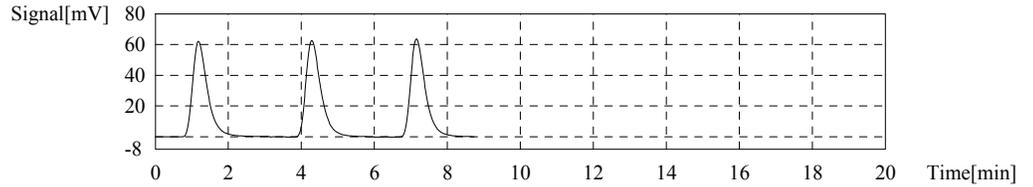
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2018_12_24_001.tlx

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	178.7	18.92ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:06:07 AM
2	181.4	19.21ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:09:58 AM
3	180.8	19.14ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:13:42 AM

Mean Area 180.3
Mean Conc. 19.09ppm



Control Sample

Sample Name: SEQ-CCB3
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.1749 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

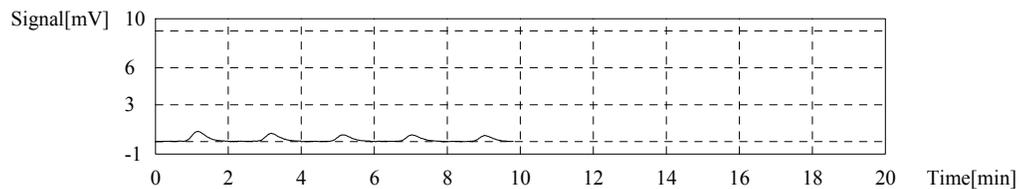
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1749mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.198	0.2664mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:23:36 AM
2	1.649	0.2084mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:27:03 AM
3	1.364	0.1782mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:30:29 AM
4	1.442	0.1865mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:34:05 AM
5	1.191	0.1600mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:37:33 AM

Mean Area 1.332
Mean Conc. 0.1749mg/L



Sample

Sample Name: BGL0668-BLK1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result:

TOC-Control L Report

BF
2018_12_24_001.tlx

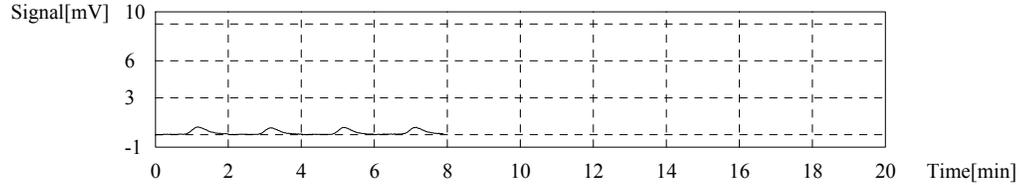
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1505mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.643	0.1736mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:47:34 AM
2	1.415	0.1495mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:51:23 AM
3	1.442	0.1524mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:55:06 AM
4	1.415	0.1495mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:58:51 AM

Mean Area 1.424
Mean Conc. 0.1505mg/L



Sample

Sample Name: BGL0668-BS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

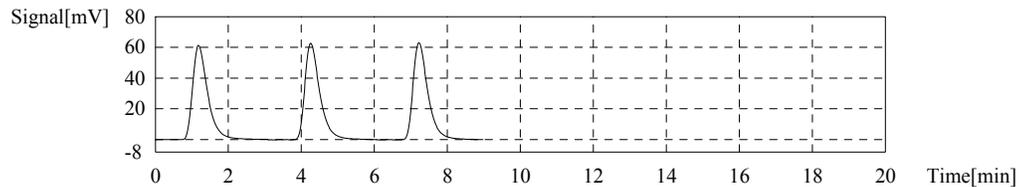
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.99mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	178.2	18.83mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 4:09:39 AM
2	180.6	19.09mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 4:13:36 AM
3	180.4	19.07mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 4:17:30 AM

Mean Area 179.7
Mean Conc. 18.99mg/L



Sample

Sample Name: BGL0668-BSD1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

BF
2018_12_24_001.tlx

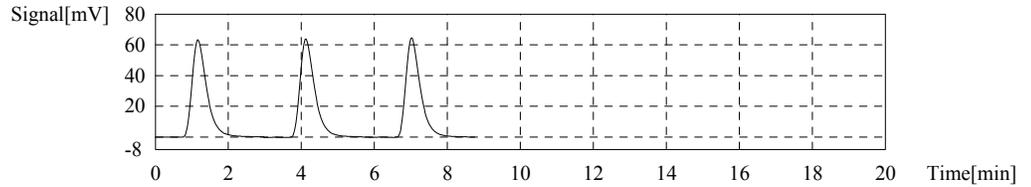
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:19.10mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	180.1	19.03mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 4:28:22 AM
2	180.9	19.12mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 4:32:15 AM
3	181.1	19.14mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 4:36:07 AM

Mean Area 180.7
Mean Conc. 19.10mg/L



Sample

Sample Name: 18L0321-04
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

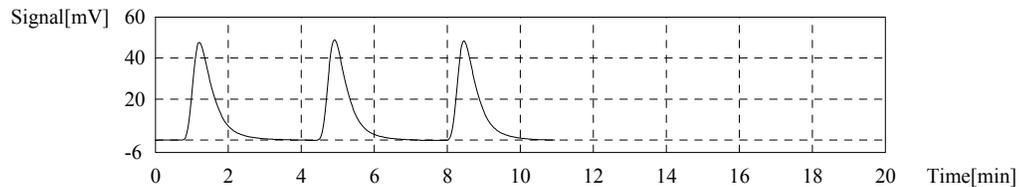
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:20.37mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	192.5	20.34mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 4:47:43 AM
2	192.7	20.37mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 4:52:15 AM
3	192.9	20.39mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 4:56:55 AM

Mean Area 192.7
Mean Conc. 20.37mg/L



Sample

Sample Name: 18L0321-05
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

BF
2018_12_24_001.tlx

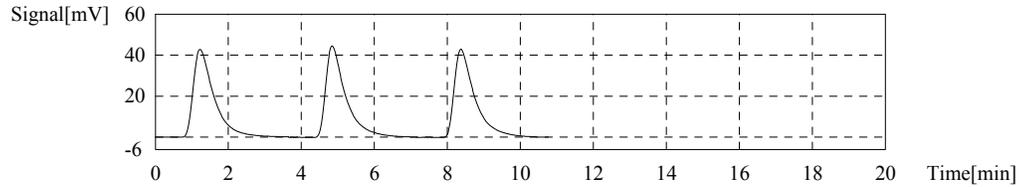
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.00mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	169.9	17.96mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 5:08:28 AM
2	171.1	18.08mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 5:12:58 AM
3	170.0	17.97mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 5:17:33 AM

Mean Area 170.3
Mean Conc. 18.00mg/L



Sample

Sample Name: BGL0668-DUP1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

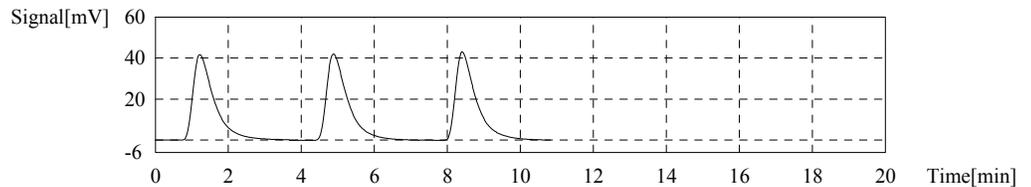
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.02mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	169.5	17.91mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 5:29:07 AM
2	170.5	18.02mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 5:33:38 AM
3	171.4	18.11mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 5:38:14 AM

Mean Area 170.5
Mean Conc. 18.02mg/L



Sample

Sample Name: BGL0668-MS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

BF
2018_12_24_001.tlx

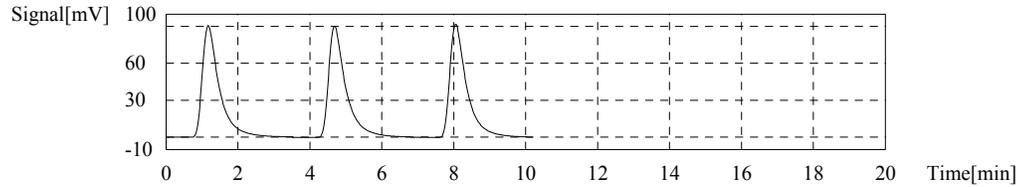
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:31.97mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	301.6	31.87mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 5:49:39 AM
2	303.2	32.04mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 5:54:00 AM
3	302.8	32.00mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 5:58:18 AM

Mean Area 302.5
Mean Conc. 31.97mg/L



Sample

Sample Name: BGL0668-MSD1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

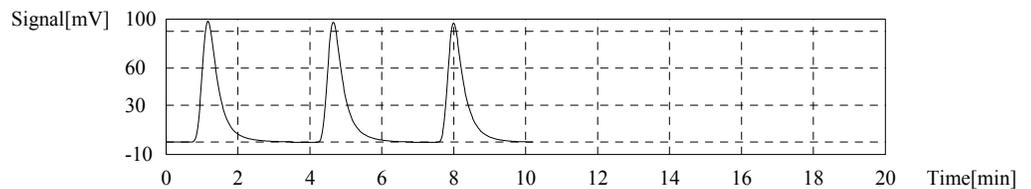
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:33.57mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	317.9	33.60mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 6:09:42 AM
2	317.1	33.51mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 6:14:03 AM
3	317.9	33.60mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 6:18:24 AM

Mean Area 317.6
Mean Conc. 33.57mg/L



Sample

Sample Name: 18L0343-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

BF
2018_12_24_001.tlx

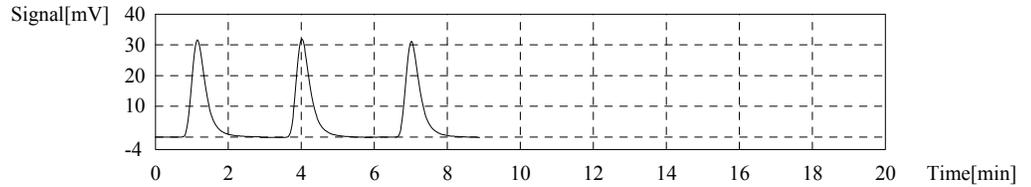
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:9.390mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	88.07	9.308mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 6:29:11 AM
2	90.55	9.570mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 6:33:11 AM
3	87.92	9.292mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 6:37:12 AM

Mean Area 88.85
Mean Conc. 9.390mg/L



Sample

Sample Name: 18L0344-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

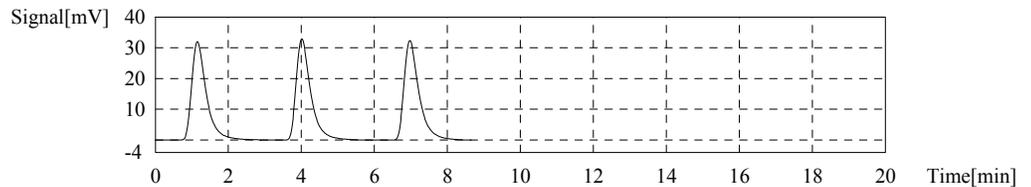
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:9.730mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	90.11	9.523mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 6:48:00 AM
2	92.75	9.802mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 6:51:57 AM
3	93.34	9.865mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 6:55:47 AM

Mean Area 92.07
Mean Conc. 9.730mg/L



Control Sample

Sample Name: SEQ-CCV4
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 19.13 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

TOC-Control L Report

BF
2018_12_24_001.tlx

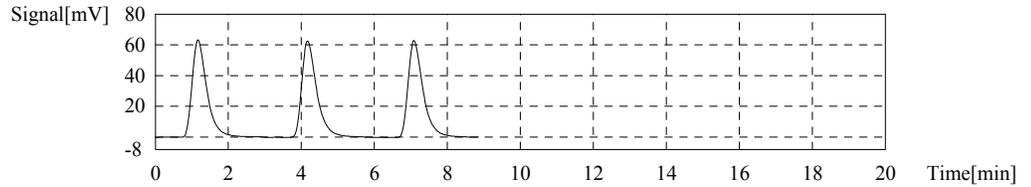
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.13ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.8	19.04ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 7:06:43 AM
2	180.9	19.15ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 7:10:38 AM
3	181.3	19.19ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 7:14:34 AM

Mean Area 180.7
Mean Conc. 19.13ppm



Control Sample

Sample Name: SEQ-CCB4
 Sample ID:
 Method: ICB CCB.tpl
 Status: Completed
 Chk. Result: Control value: 0.1891 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

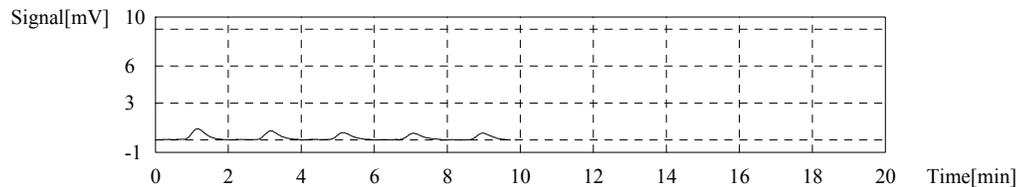
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1891mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.331	0.2804mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 7:24:28 AM
2	1.955	0.2407mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 7:27:57 AM
3	1.487	0.1912mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 7:31:24 AM
4	1.393	0.1813mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 7:34:52 AM
5	1.520	0.1947mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 7:38:23 AM

Mean Area 1.467
Mean Conc. 0.1891mg/L



Sample

TOC-Control L Report

BF
2018_12_24_001.tlx

Sample Name: 18L0351-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

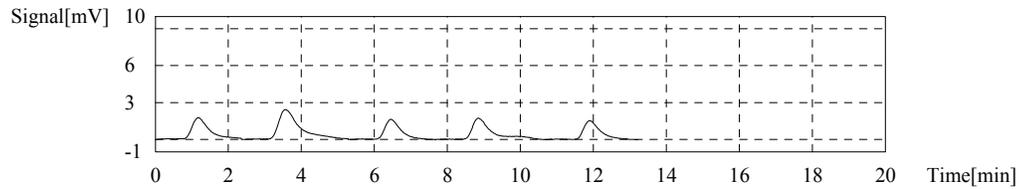
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5345mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.291	0.5592mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 7:48:42 AM
2	9.488	1.003mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 7:53:04 AM
3	4.968	0.5250mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 7:56:27 AM
4	6.471	0.6839mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 8:00:52 AM
5	4.914	0.5193mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 8:04:21 AM

Mean Area 5.058
Mean Conc. 0.5345mg/L



Sample

Sample Name: 18L0352-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

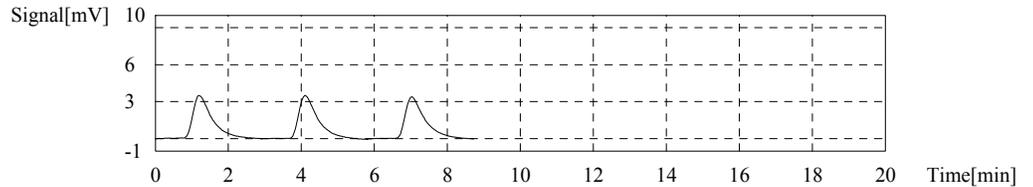
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.351mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.68	1.340mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 8:15:26 AM
2	12.94	1.368mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 8:19:20 AM
3	12.73	1.345mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 8:23:13 AM

Mean Area 12.78
Mean Conc. 1.351mg/L



Sample

TOC-Control L Report

BF
2018_12_24_001.tlx

Sample Name: 18L0379-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

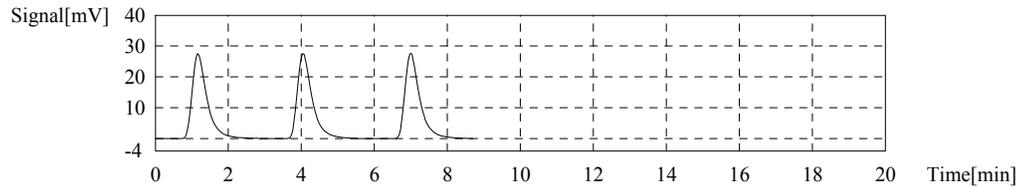
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:8.330mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	78.27	8.272mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 8:34:01 AM
2	78.88	8.336mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 8:37:57 AM
3	79.31	8.382mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 8:41:48 AM

Mean Area 78.82
Mean Conc. 8.330mg/L



Sample

Sample Name: 18L0388-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

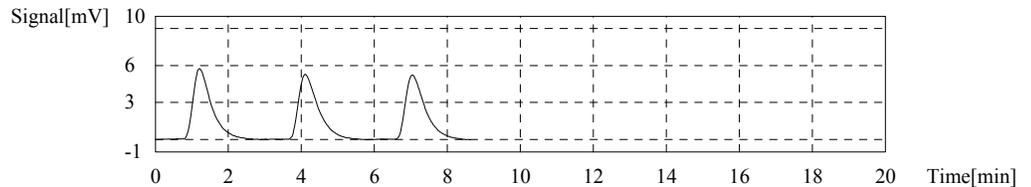
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.118mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	20.34	2.150mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 8:52:36 AM
2	19.99	2.113mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 8:56:31 AM
3	19.78	2.090mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 9:00:19 AM

Mean Area 20.04
Mean Conc. 2.118mg/L



Sample

TOC-Control L Report

BF
2018_12_24_001.tlx

Sample Name: 18L0388-03
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

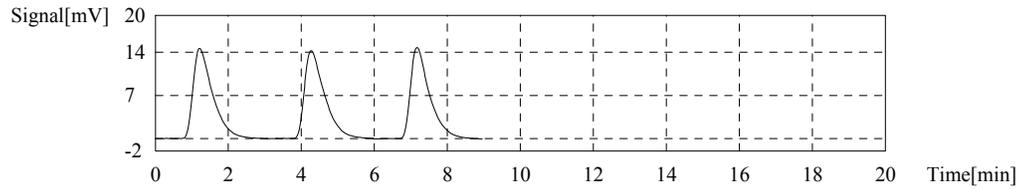
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.774mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	54.94	5.806mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 9:11:17 AM
2	54.53	5.763mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 9:15:11 AM
3	54.43	5.752mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 9:19:09 AM

Mean Area 54.63
Mean Conc. 5.774mg/L



Sample

Sample Name: 18L0388-05
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

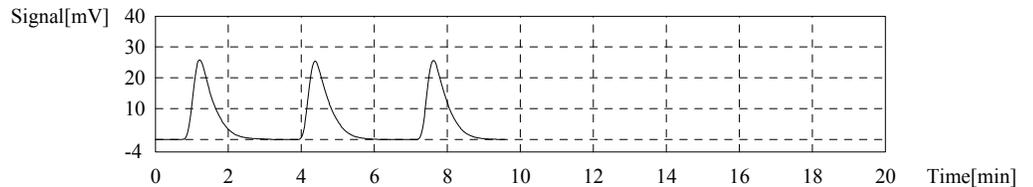
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:10.38mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	98.27	10.39mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 9:30:14 AM
2	98.61	10.42mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 9:34:28 AM
3	97.84	10.34mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 9:38:36 AM

Mean Area 98.24
Mean Conc. 10.38mg/L



Sample

TOC-Control L Report

BF
2018_12_24_001.tlx

Sample Name: 18L0388-07
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

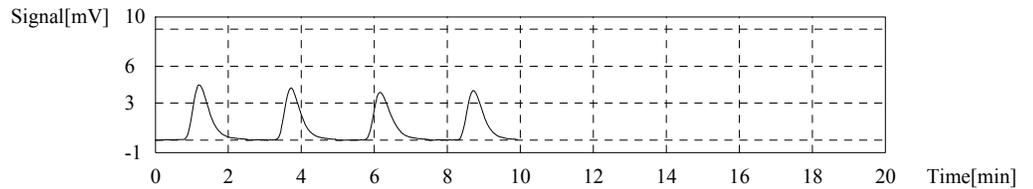
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.368mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.13	1.493mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 9:49:02 AM
2	13.16	1.391mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 9:52:44 AM
3	12.92	1.365mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 9:56:38 AM
4	12.74	1.346mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 10:00:17 AM

Mean Area 12.94
Mean Conc. 1.368mg/L



Sample

Sample Name: 18L0388-09
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

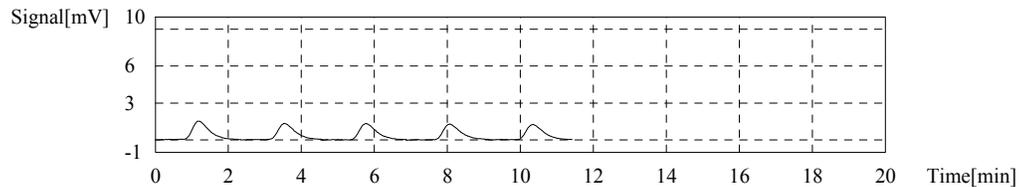
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4346mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.708	0.4976mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 10:10:21 AM
2	4.143	0.4378mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 10:14:02 AM
3	4.325	0.4571mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 10:17:53 AM
4	4.152	0.4388mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 10:21:38 AM
5	4.043	0.4273mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 10:25:26 AM

Mean Area 4.113
Mean Conc. 0.4346mg/L



Sample

TOC-Control L Report

BF
2018_12_24_001.tlx

Sample Name: BGL0668-DUP2
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

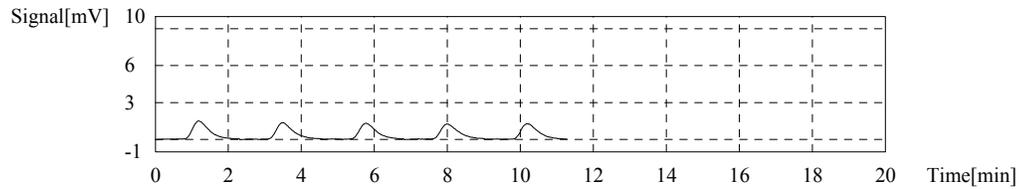
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4257mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.523	0.4780mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 10:35:28 AM
2	4.245	0.4486mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 10:39:13 AM
3	4.107	0.4340mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 10:42:58 AM
4	3.944	0.4168mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 10:46:43 AM
5	4.032	0.4261mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 10:50:34 AM

Mean Area 4.028
Mean Conc. 0.4257mg/L



Sample

Sample Name: BGL0668-MS2
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

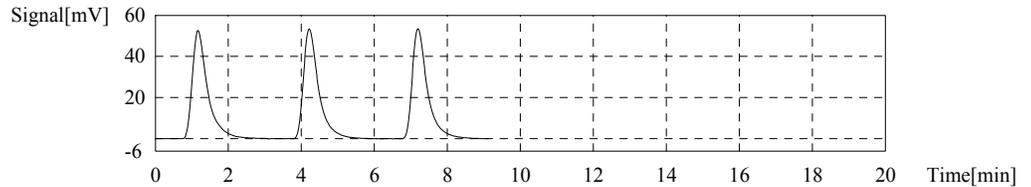
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.45mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	155.0	16.38mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 11:01:21 AM
2	155.9	16.48mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 11:05:19 AM
3	156.1	16.50mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 11:09:23 AM

Mean Area 155.7
Mean Conc. 16.45mg/L



Control Sample

TOC-Control L Report

BF
2018_12_24_001.tlx

Sample Name: SEQ-CCV5
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 18.97 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

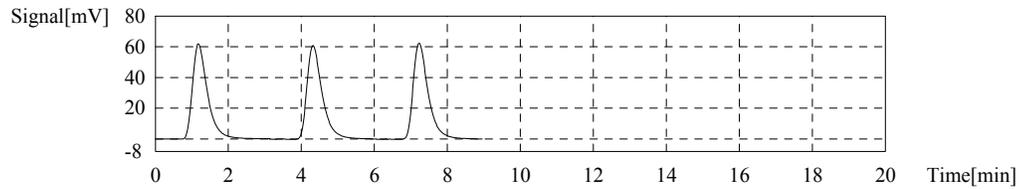
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:18.97ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.0	18.95ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 11:20:32 AM
2	178.3	18.88ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 11:24:26 AM
3	180.1	19.07ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 11:28:19 AM

Mean Area 179.1
Mean Conc. 18.97ppm



Control Sample

Sample Name: SEQ-CCB5
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.1637 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

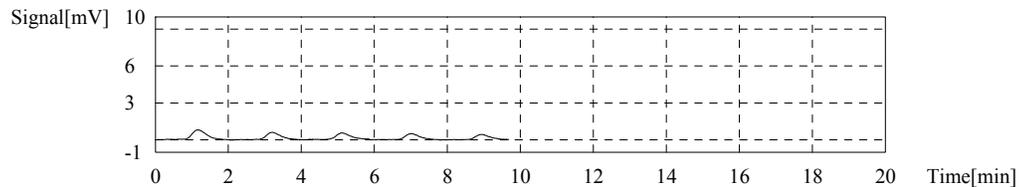
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1637mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.109	0.2570mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 11:38:14 AM
2	1.551	0.1980mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 11:41:37 AM
3	1.361	0.1779mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 11:45:06 AM
4	1.248	0.1660mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 11:48:38 AM
5	1.070	0.1472mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 11:52:06 AM

Mean Area 1.226
Mean Conc. 0.1637mg/L



TOC-Control L Report

BF
2018_12_24_001.tlx

Sample

Sample Name: BGL0668-MSD2
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

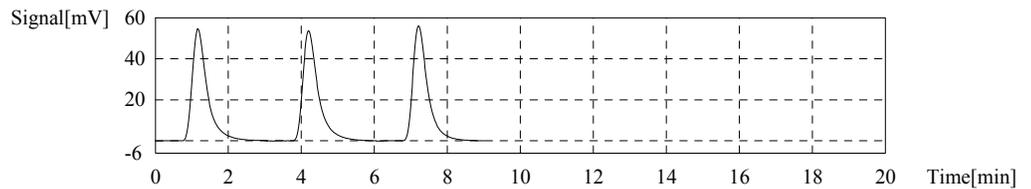
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:16.74mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	157.7	16.67mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:03:00 PM
2	158.5	16.75mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:07:00 PM
3	159.1	16.81mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:10:57 PM

Mean Area: 158.4
Mean Conc.: 16.74mg/L



Sample

Sample Name: 18L0401-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

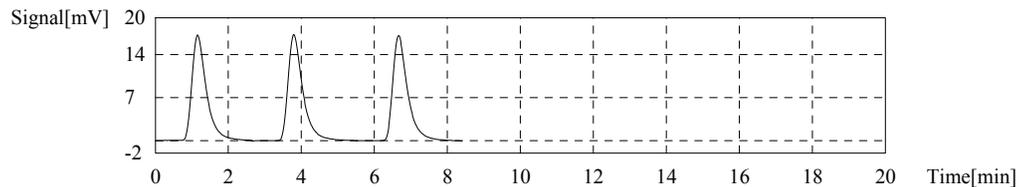
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.124mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	47.90	5.062mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:21:30 PM
2	48.95	5.173mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:25:32 PM
3	48.60	5.136mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:29:24 PM

Mean Area: 48.48
Mean Conc.: 5.124mg/L



TOC-Control L Report

BF
2018_12_24_001.tlx

Sample

Sample Name: 18L0426-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

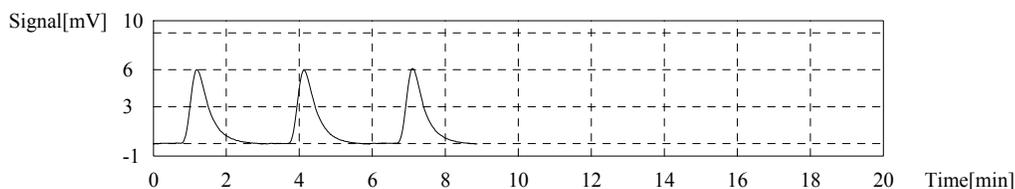
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.272mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	21.55	2.277mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:40:15 PM
2	21.53	2.275mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:44:13 PM
3	21.41	2.263mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:48:09 PM

Mean Area 21.50
Mean Conc. 2.272mg/L



Sample

Sample Name: BGL0668-DUP3
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

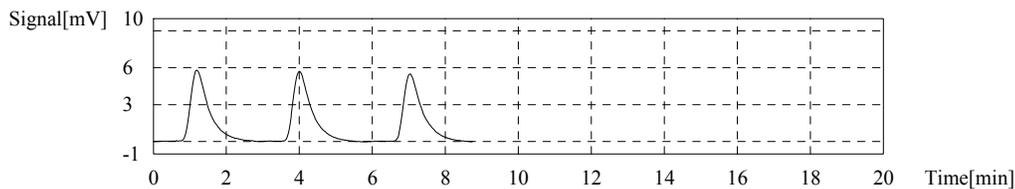
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.111mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	20.02	2.116mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 12:58:53 PM
2	20.20	2.135mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:02:54 PM
3	19.69	2.081mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:06:48 PM

Mean Area 19.97
Mean Conc. 2.111mg/L



TOC-Control L Report

BF
2018_12_24_001.tlx

Sample

Sample Name: BGL0668-MS3
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

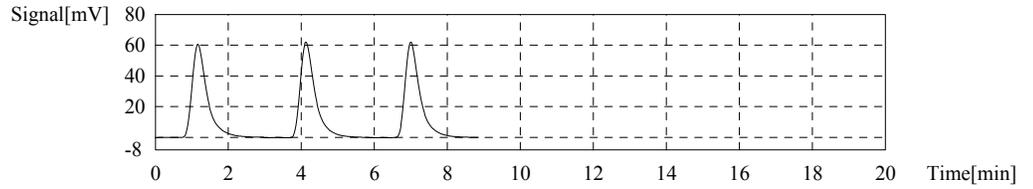
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.68mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	175.4	18.54mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:17:42 PM
2	177.3	18.74mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:21:35 PM
3	177.5	18.76mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:25:35 PM

Mean Area 176.7
Mean Conc. 18.68mg/L



Sample

Sample Name: BGL0668-MSD3
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

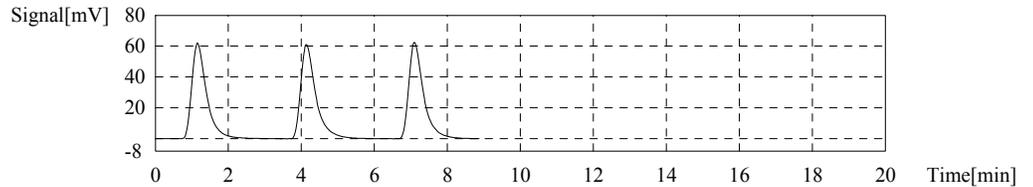
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.71mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	175.7	18.57mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:36:31 PM
2	178.0	18.81mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:40:29 PM
3	177.5	18.76mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:44:24 PM

Mean Area 177.1
Mean Conc. 18.71mg/L



Sample

TOC-Control L Report

BF
2018_12_24_001.tlx

Sample Name: 18L0426-02
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

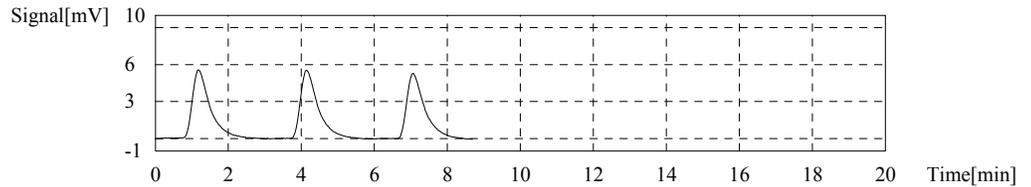
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.978mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.94	2.002mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:55:19 PM
2	18.91	1.998mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 1:59:14 PM
3	18.30	1.934mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:03:02 PM

Mean Area 18.72
Mean Conc. 1.978mg/L



Sample

Sample Name: 18L0426-03
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

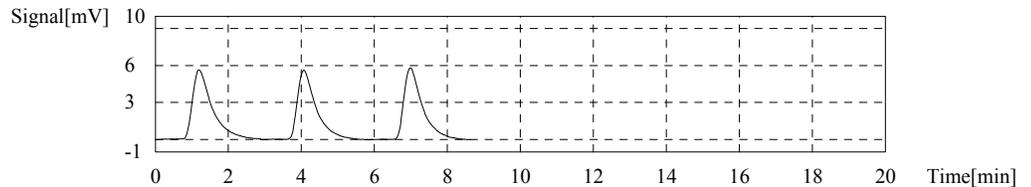
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.176mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	20.95	2.214mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:13:52 PM
2	20.22	2.137mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:17:47 PM
3	20.60	2.177mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:21:37 PM

Mean Area 20.59
Mean Conc. 2.176mg/L



Sample

TOC-Control L Report

BF
2018_12_24_001.tlx

Sample Name: 18L0428-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

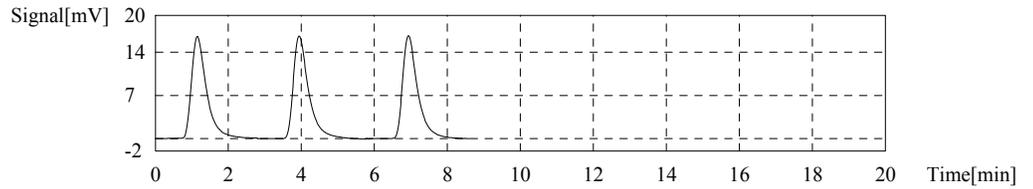
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.112mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	47.70	5.041mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:32:21 PM
2	49.21	5.201mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:36:21 PM
3	48.21	5.095mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:40:10 PM

Mean Area 48.37
Mean Conc. 5.112mg/L



Sample

Sample Name: 18L0428-03
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

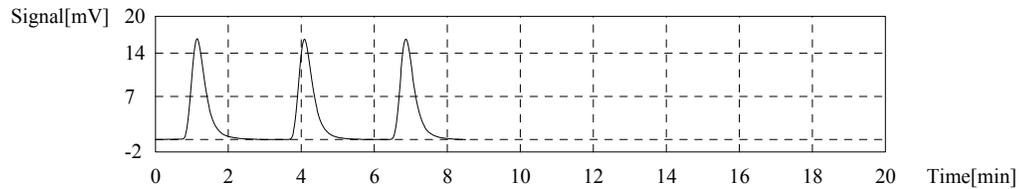
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.922mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	46.53	4.917mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:51:03 PM
2	46.55	4.920mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:54:50 PM
3	46.65	4.930mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 2:58:37 PM

Mean Area 46.58
Mean Conc. 4.922mg/L



Control Sample

TOC-Control L Report

BF
2018_12_24_001.tlx

Sample Name: SEQ-CCV6
 Sample ID: CVS 20
 Method: CVS 20 ppm.tpl
 Status: Completed
 Chk. Result: Control value: 18.92 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

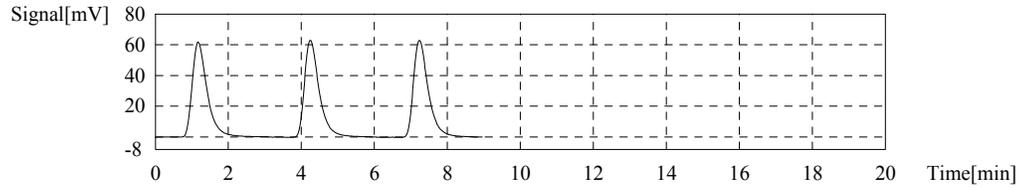
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:18.92ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	177.6	18.80ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:09:39 PM
2	178.4	18.89ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:13:38 PM
3	180.0	19.06ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:17:31 PM

Mean Area: 178.7
 Mean Conc.: 18.92ppm



Control Sample

Sample Name: SEQ-CCB6
 Sample ID: ICB CCB.tpl
 Method: Completed
 Status: Completed
 Chk. Result: Control value: 0.1716 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

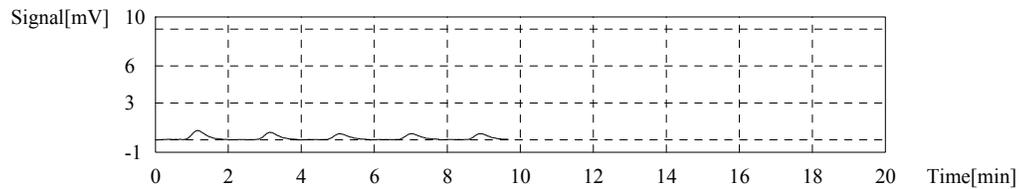
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1716mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.944	0.2395mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:27:25 PM
2	1.524	0.1952mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:30:49 PM
3	1.356	0.1774mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:34:23 PM
4	1.273	0.1686mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:37:49 PM
5	1.273	0.1686mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/25/2018 3:41:19 PM

Mean Area: 1.301
 Mean Conc.: 0.1716mg/L



	Type	Analysis	Sample Name	Sample	Origin	Manual Diluti	Result	Notes	Status	Date / Time	Vial
1	Unknown	NPOC	Rinse		NPOC 0.5 -	1.000	NPOC:0.1734mg/L		Completed	12/24/2018 2:33:17 P	0
2	Control	NPOC	SEQ-ICV1	CVS 20	CVS 20 pp	1.000	NPOC:19.04ppm	Control valu	Completed	12/24/2018 2:51:42 P	3
3	Control	NPOC	SEQ-ICB1		ICB CCB.tpl	1.000	NPOC:0.1389mg/L	Control valu	Completed	12/24/2018 3:15:30 P	4
4	Unknown	NPOC	SEQ-IFA1		NPOC 0.5 -	1.000	NPOC:18.93mg/L		Completed	12/24/2018 3:33:58 P	9
5	Unknown	NPOC	BGL0667-MRL1		NPOC 0.5 -	1.000	NPOC:0.5731mg/L		Completed	12/24/2018 3:59:04 P	10
6	Unknown	NPOC	BGL0667-BLK1		NPOC 0.5 -	1.000	NPOC:0.1325mg/L		Completed	12/24/2018 4:20:02 P	11
7	Unknown	NPOC	BGL0667-BS1		NPOC 0.5 -	1.000	NPOC:19.06mg/L		Completed	12/24/2018 4:38:27 P	12
8	Unknown	NPOC	18L0347-01		NPOC 0.5 -	1.000	NPOC:0.2517mg/L		Completed	12/24/2018 5:03:36 P	13
9	Unknown	NPOC	18L0347-02		NPOC 0.5 -	1.000	NPOC:2.980mg/L		Completed	12/24/2018 5:22:14 P	14
10	Unknown	NPOC	18L0347-03		NPOC 0.5 -	1.000	NPOC:1.655mg/L		Completed	12/24/2018 5:44:17 P	15
11	Unknown	NPOC	18L0347-04		NPOC 0.5 -	1.000	NPOC:3.584mg/L		Completed	12/24/2018 6:03:12 P	16
12	Unknown	NPOC	18L0347-05		NPOC 0.5 -	1.000	NPOC:1.366mg/L		Completed	12/24/2018 6:24:59 P	17
13	Unknown	NPOC	18L0347-06		NPOC 0.5 -	1.000	NPOC:3.557mg/L		Completed	12/24/2018 6:43:54 P	18
14	Control	NPOC	SEQ-CCV1	CVS 20	CVS 20 pp	1.000	NPOC:19.08ppm	Control valu	Completed	12/24/2018 7:02:50 P	3
15	Control	NPOC	SEQ-CCB1		ICB CCB.tpl	1.000	NPOC:0.1663mg/L	Control valu	Completed	12/24/2018 7:26:37 P	4
16	Unknown	NPOC	BGL0667-DUP1		NPOC 0.5 -	1.000	NPOC:3.532mg/L		Completed	12/24/2018 7:45:33 P	19
17	Unknown	NPOC	BGL0667-MS1		NPOC 0.5 -	1.000	NPOC:19.53mg/L		Completed	12/24/2018 8:04:12 P	20
18	Unknown	NPOC	BGL0667-MSD1		NPOC 0.5 -	1.000	NPOC:19.77mg/L		Completed	12/24/2018 8:22:59 P	21
19	Unknown	NPOC	18L0356-02		NPOC 0.5 -	1.000	NPOC:5.738mg/L		Completed	12/24/2018 8:42:06 P	22
20	Unknown	NPOC	18L0357-01		NPOC 0.5 -	1.000	NPOC:2.019mg/L		Completed	12/24/2018 9:00:11 P	23
21	Unknown	NPOC	18L0357-03		NPOC 0.5 -	1.000	NPOC:1.575mg/L		Completed	12/24/2018 9:25:49 P	24
22	Unknown	NPOC	18L0357-05		NPOC 0.5 -	1.000	NPOC:2.092mg/L		Completed	12/24/2018 9:44:00 P	25
23	Unknown	NPOC	18L0357-07		NPOC 0.5 -	1.000	NPOC:2.202mg/L		Completed	12/24/2018 10:02:12	26
24	Unknown	NPOC	18L0357-09		NPOC 0.5 -	1.000	NPOC:0.6606mg/L		Completed	12/24/2018 10:23:44	27
25	Unknown	NPOC	18L0357-11		NPOC 0.5 -	1.000	NPOC:11.16mg/L		Completed	12/24/2018 10:43:23	28
26	Control	NPOC	SEQ-CCV2	CVS 20	CVS 20 pp	1.000	NPOC:18.99ppm	Control valu	Completed	12/24/2018 11:02:19	5
27	Control	NPOC	SEQ-CCB2		ICB CCB.tpl	1.000	NPOC:0.1923mg/L	Control valu	Completed	12/24/2018 11:26:08	6
28	Unknown	NPOC	18L0357-13		NPOC 0.5 -	1.000	NPOC:0.3905mg/L		Completed	12/24/2018 11:47:40	29
29	Unknown	NPOC	18L0357-15		NPOC 0.5 -	1.000	NPOC:12.87mg/L		Completed	12/25/2018 12:07:30	30
30	Unknown	NPOC	18L0357-17		NPOC 0.5 -	1.000	NPOC:2.586mg/L		Completed	12/25/2018 12:26:07	31
31	Unknown	NPOC	18L0357-19		NPOC 0.5 -	1.000	NPOC:5.079mg/L		Completed	12/25/2018 12:45:10	32
32	Unknown	NPOC	18L0382-03		NPOC 0.5 -	1.000	NPOC:1.142mg/L		Completed	12/25/2018 1:06:47 A	33
33	Unknown	NPOC	BGL0667-DUP2		NPOC 0.5 -	1.000	NPOC:1.128mg/L		Completed	12/25/2018 1:24:30 A	34
34	Unknown	NPOC	BGL0667-MS2		NPOC 0.5 -	1.000	NPOC:17.00mg/L		Completed	12/25/2018 1:43:10 A	35
35	Unknown	NPOC	BGL0667-MSD2		NPOC 0.5 -	1.000	NPOC:17.22mg/L		Completed	12/25/2018 2:01:53 A	36
36	Unknown	NPOC	18L0413-02		NPOC 0.5 -	1.000	NPOC:16.12mg/L		Completed	12/25/2018 2:29:50 A	37
37	Unknown	NPOC	BGL0668-MRL1		NPOC 0.5 -	1.000	NPOC:0.5883mg/L		Completed	12/25/2018 2:55:07 A	38
38	Control	NPOC	SEQ-CCV3	CVS 20	CVS 20 pp	1.000	NPOC:19.09ppm	Control valu	Completed	12/25/2018 3:13:42 A	5
39	Control	NPOC	SEQ-CCB3		ICB CCB.tpl	1.000	NPOC:0.1749mg/L	Control valu	Completed	12/25/2018 3:37:33 A	6
40	Unknown	NPOC	BGL0668-BLK1		NPOC 0.5 -	1.000	NPOC:0.1505mg/L		Completed	12/25/2018 3:58:51 A	39

	Type	Analysis	Sample Name	Sample	Origin	Manual Diluti	Result	Notes	Status	Date / Time	Vial
41	Unknown	NPOC	BGL0668-BS1		NPOC 0.5 -	1.000	NPOC:18.99mg/L		Completed	12/25/2018 4:17:30 A	40
42	Unknown	NPOC	BGL0668-BSD1		NPOC 0.5 -	1.000	NPOC:19.10mg/L		Completed	12/25/2018 4:36:07 A	41
43	Unknown	NPOC	18L0321-04		NPOC 0.5 -	1.000	NPOC:20.37mg/L		Completed	12/25/2018 4:56:55 A	42
44	Unknown	NPOC	18L0321-05		NPOC 0.5 -	1.000	NPOC:18.00mg/L		Completed	12/25/2018 5:17:33 A	43
45	Unknown	NPOC	BGL0668-DUP1		NPOC 0.5 -	1.000	NPOC:18.02mg/L		Completed	12/25/2018 5:38:14 A	44
46	Unknown	NPOC	BGL0668-MS1		NPOC 0.5 -	1.000	NPOC:31.97mg/L		Completed	12/25/2018 5:58:18 A	45
47	Unknown	NPOC	BGL0668-MSD1		NPOC 0.5 -	1.000	NPOC:33.57mg/L		Completed	12/25/2018 6:18:24 A	46
48	Unknown	NPOC	18L0343-01		NPOC 0.5 -	1.000	NPOC:9.390mg/L		Completed	12/25/2018 6:37:12 A	47
49	Unknown	NPOC	18L0344-01		NPOC 0.5 -	1.000	NPOC:9.730mg/L		Completed	12/25/2018 6:55:47 A	48
50	Control	NPOC	SEQ-CCV4	CVS 20	CVS 20 pp	1.000	NPOC:19.13ppm	Control valu	Completed	12/25/2018 7:14:34 A	7
51	Control	NPOC	SEQ-CCB4		ICB CCB.tpl	1.000	NPOC:0.1891mg/L	Control valu	Completed	12/25/2018 7:38:23 A	8
52	Unknown	NPOC	18L0351-01		NPOC 0.5 -	1.000	NPOC:0.5345mg/L		Completed	12/25/2018 8:04:21 A	49
53	Unknown	NPOC	18L0352-01		NPOC 0.5 -	1.000	NPOC:1.351mg/L		Completed	12/25/2018 8:23:13 A	50
54	Unknown	NPOC	18L0379-01		NPOC 0.5 -	1.000	NPOC:8.330mg/L		Completed	12/25/2018 8:41:48 A	51
55	Unknown	NPOC	18L0388-01		NPOC 0.5 -	1.000	NPOC:2.118mg/L		Completed	12/25/2018 9:00:19 A	52
56	Unknown	NPOC	18L0388-03		NPOC 0.5 -	1.000	NPOC:5.774mg/L		Completed	12/25/2018 9:19:09 A	53
57	Unknown	NPOC	18L0388-05		NPOC 0.5 -	1.000	NPOC:10.38mg/L		Completed	12/25/2018 9:38:36 A	54
58	Unknown	NPOC	18L0388-07		NPOC 0.5 -	1.000	NPOC:1.368mg/L		Completed	12/25/2018 10:00:17	55
59	Unknown	NPOC	18L0388-09		NPOC 0.5 -	1.000	NPOC:0.4346mg/L		Completed	12/25/2018 10:25:26	56
60	Unknown	NPOC	BGL0668-DUP2		NPOC 0.5 -	1.000	NPOC:0.4257mg/L		Completed	12/25/2018 10:50:34	57
61	Unknown	NPOC	BGL0668-MS2		NPOC 0.5 -	1.000	NPOC:16.45mg/L		Completed	12/25/2018 11:09:23	58
62	Control	NPOC	SEQ-CCV5	CVS 20	CVS 20 pp	1.000	NPOC:18.97ppm	Control valu	Completed	12/25/2018 11:28:19	7
63	Control	NPOC	SEQ-CCB5		ICB CCB.tpl	1.000	NPOC:0.1637mg/L	Control valu	Completed	12/25/2018 11:52:06	8
64	Unknown	NPOC	BGL0668-MSD2		NPOC 0.5 -	1.000	NPOC:16.74mg/L		Completed	12/25/2018 12:10:57	59
65	Unknown	NPOC	18L0401-01		NPOC 0.5 -	1.000	NPOC:5.124mg/L		Completed	12/25/2018 12:29:24	60
66	Unknown	NPOC	18L0426-01		NPOC 0.5 -	1.000	NPOC:2.272mg/L		Completed	12/25/2018 12:48:09	61
67	Unknown	NPOC	BGL0668-DUP3		NPOC 0.5 -	1.000	NPOC:2.111mg/L		Completed	12/25/2018 1:06:48 P	62
68	Unknown	NPOC	BGL0668-MS3		NPOC 0.5 -	1.000	NPOC:18.68mg/L		Completed	12/25/2018 1:25:35 P	63
69	Unknown	NPOC	BGL0668-MSD3		NPOC 0.5 -	1.000	NPOC:18.71mg/L		Completed	12/25/2018 1:44:24 P	64
70	Unknown	NPOC	18L0426-02		NPOC 0.5 -	1.000	NPOC:1.978mg/L		Completed	12/25/2018 2:03:02 P	65
71	Unknown	NPOC	18L0426-03		NPOC 0.5 -	1.000	NPOC:2.176mg/L		Completed	12/25/2018 2:21:37 P	66
72	Unknown	NPOC	18L0428-01		NPOC 0.5 -	1.000	NPOC:5.112mg/L		Completed	12/25/2018 2:40:10 P	67
73	Unknown	NPOC	18L0428-03		NPOC 0.5 -	1.000	NPOC:4.922mg/L		Completed	12/25/2018 2:58:37 P	68
74	Control	NPOC	SEQ-CCV6	CVS 20	CVS 20 pp	1.000	NPOC:18.92ppm	Control valu	Completed	12/25/2018 3:17:31 P	3
75	Control	NPOC	SEQ-CCB6		ICB CCB.tpl	1.000	NPOC:0.1716mg/L	Control valu	Completed	12/25/2018 3:41:19 P	4

TOC-Control L Report

BF
2018_12_26_001.tlx

Instr.Information

Instrument Options
Catalyst

TOC/ASI/IC Unit/
Regular Sensitivity

Sample

Sample Name: Rinse
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

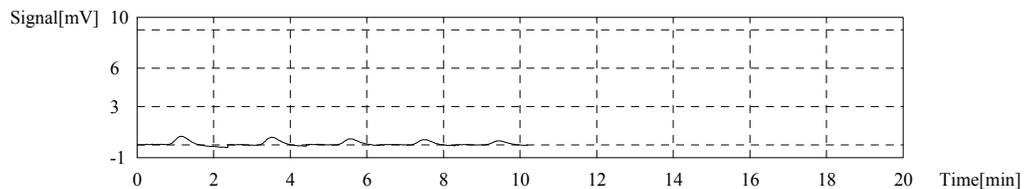
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1173mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.943	0.2053mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 12:55:19 PM
2	1.762	0.1862mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 12:58:30 PM
3	1.336	0.1412mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 1:01:53 PM
4	1.140	0.1205mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 1:05:24 PM
5	0.8542	0.09028mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 1:08:51 PM

Mean Area 1.110
Mean Conc. 0.1173mg/L



Control Sample

Sample Name: SEQ-ICV1
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 18.86 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:18.86ppm

1. Det.

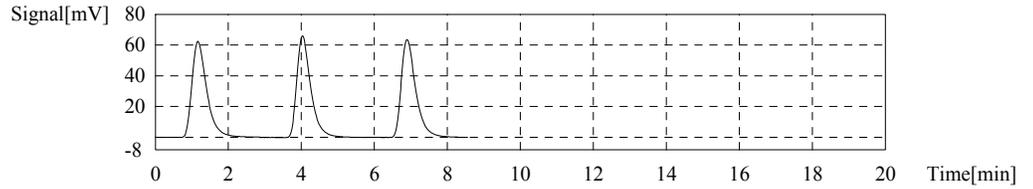
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	177.7	18.81ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 1:19:26 PM
2	178.3	18.88ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 1:23:16 PM
3	178.3	18.88ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 1:27:05 PM

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Mean Area 178.1
Mean Conc. 18.86ppm



Control Sample

Sample Name: SEQ-ICB1
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.1500 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

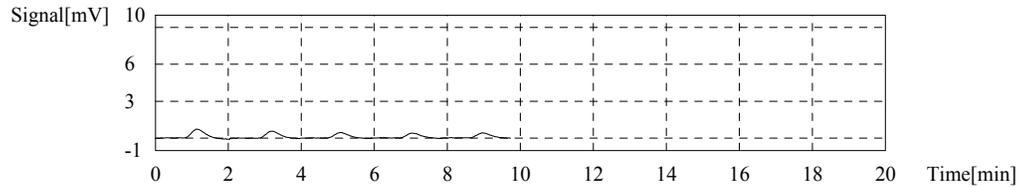
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1500mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.010	0.2465mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 1:37:01 PM
2	1.546	0.1975mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 1:40:23 PM
3	1.211	0.1621mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 1:43:57 PM
4	1.075	0.1477mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 1:47:24 PM
5	1.004	0.1402mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 1:50:52 PM

Mean Area 1.097
Mean Conc. 0.1500mg/L



Sample

Sample Name: SEQ-IFA1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.86mg/L

1. Det

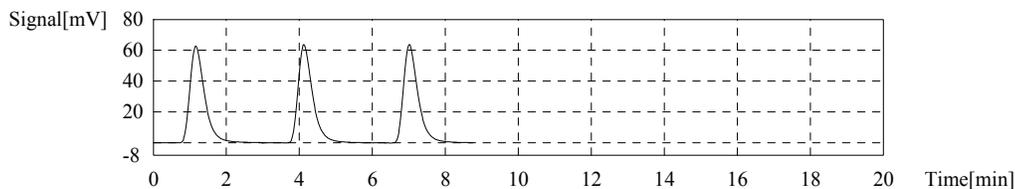
Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	177.7	18.78mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 2:01:35 PM
2	178.3	18.84mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 2:05:27 PM
3	179.4	18.96mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 2:09:21 PM

Mean Area 178.5
Mean Conc. 18.86mg/L



Sample

Sample Name: BGL0668-MS4
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

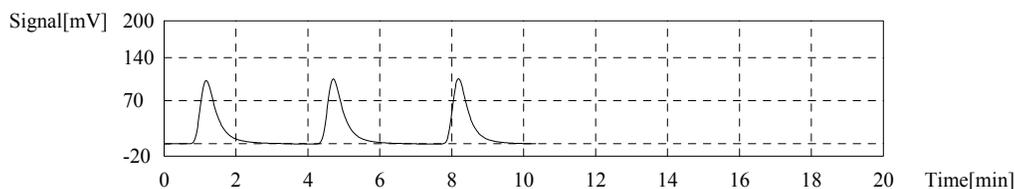
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:36.67mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	346.3	36.60mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 2:20:47 PM
2	348.9	36.87mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 2:25:15 PM
3	345.6	36.52mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 2:29:33 PM

Mean Area 346.9
Mean Conc. 36.67mg/L



Sample

Sample Name: BGL0668-MSD4
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:36.87mg/L

1. Det

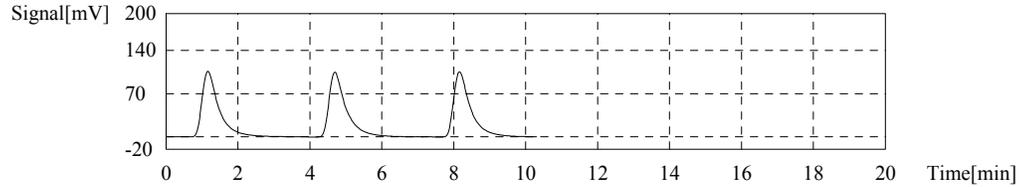
Anal.: NPOC

TOC-Control L Report

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	348.2	36.80mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 2:40:58 PM
2	350.5	37.04mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 2:45:25 PM
3	348.0	36.78mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 2:49:43 PM

Mean Area 348.9
Mean Conc. 36.87mg/L



Sample

Sample Name: BGL0673-MRL1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

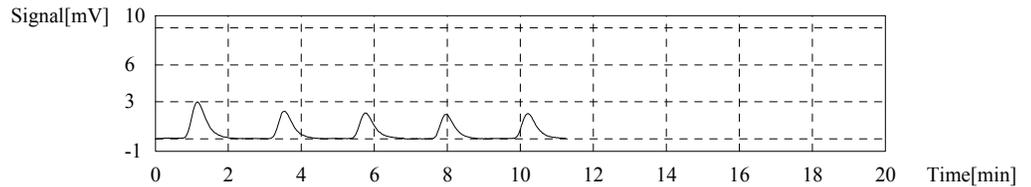
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6006mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.415	0.8893mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 3:00:00 PM
2	6.296	0.6654mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 3:03:37 PM
3	5.898	0.6233mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 3:07:24 PM
4	5.535	0.5850mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 3:11:12 PM
5	5.617	0.5936mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 3:14:56 PM

Mean Area 5.683
Mean Conc. 0.6006mg/L



Sample

Sample Name: BGL0673-BLK1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3140mg/L

1. Det

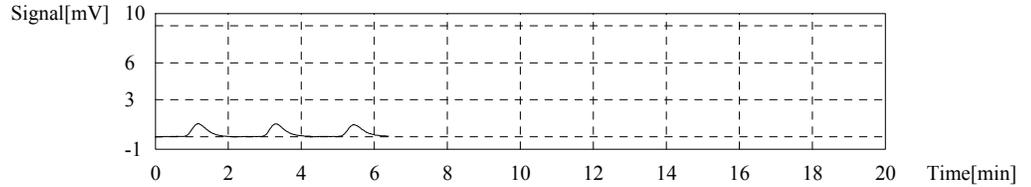
Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.043	0.3216mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 3:24:47 PM
2	2.984	0.3154mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 3:28:33 PM
3	2.886	0.3050mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 3:32:20 PM

Mean Area 2.971
Mean Conc. 0.3140mg/L



Sample

Sample Name: BGL0673-BS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

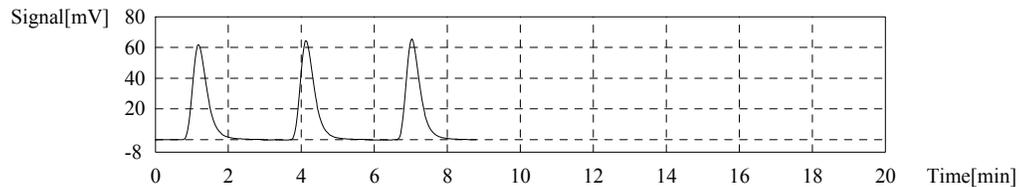
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.96mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	177.0	18.71mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 3:42:59 PM
2	179.9	19.01mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 3:46:53 PM
3	181.3	19.16mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 3:50:47 PM

Mean Area 179.4
Mean Conc. 18.96mg/L



Sample

Sample Name: 18L0346-01
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.859mg/L

1. Det

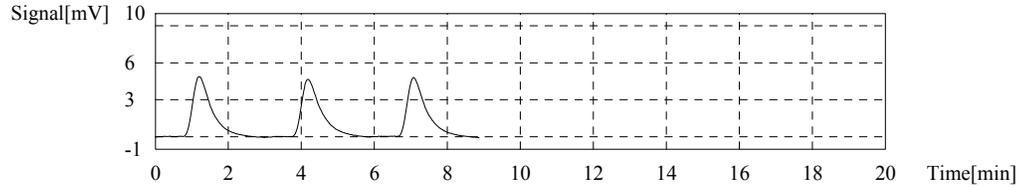
Anal.: NPOC

TOC-Control L Report

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.74	1.875mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 4:01:39 PM
2	17.37	1.836mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 4:05:32 PM
3	17.65	1.865mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 4:09:30 PM

Mean Area 17.59
Mean Conc. 1.859mg/L



Sample

Sample Name: BGL0673-DUP2
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

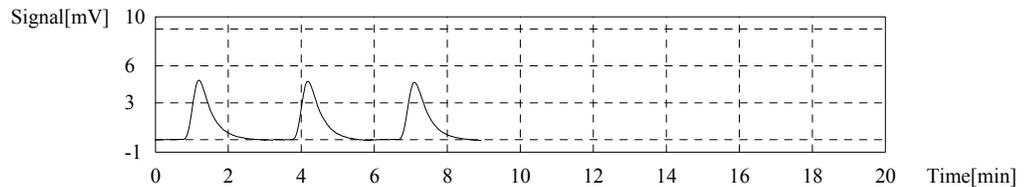
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.856mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.52	1.852mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 4:20:22 PM
2	17.46	1.845mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 4:24:16 PM
3	17.70	1.871mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 4:28:16 PM

Mean Area 17.56
Mean Conc. 1.856mg/L



Sample

Sample Name: BGL0673-MS2
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.04mg/L

1. Det

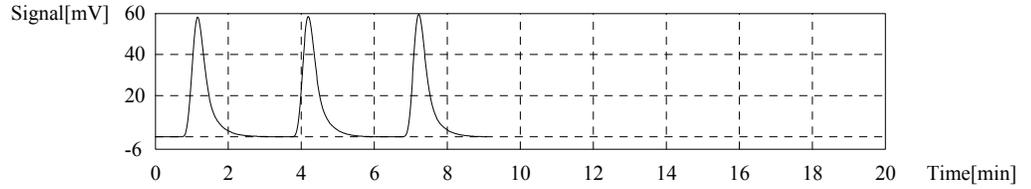
Anal.: NPOC

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	169.2	17.88mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 4:39:11 PM
2	171.5	18.12mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 4:43:12 PM
3	171.3	18.10mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 4:47:11 PM

Mean Area 170.7
Mean Conc. 18.04mg/L



Sample

Sample Name: 18L0346-02
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

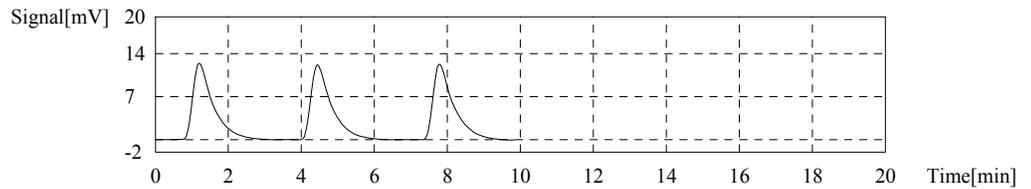
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.128mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	48.55	5.131mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 4:58:18 PM
2	48.22	5.096mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 5:02:38 PM
3	48.81	5.158mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 5:06:52 PM

Mean Area 48.53
Mean Conc. 5.128mg/L



Control Sample

Sample Name: SEQ-CCV1
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 18.97 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:18.97ppm

1. Det.

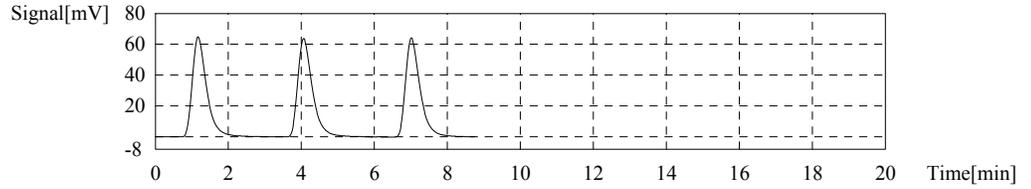
Anal.: NPOC

TOC-Control L Report

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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	178.2	18.87ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 5:17:44 PM
2	179.9	19.05ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 5:21:41 PM
3	179.4	18.99ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 5:25:34 PM

Mean Area 179.2
Mean Conc. 18.97ppm



Control Sample

Sample Name: SEQ-CCB1
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.1859 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

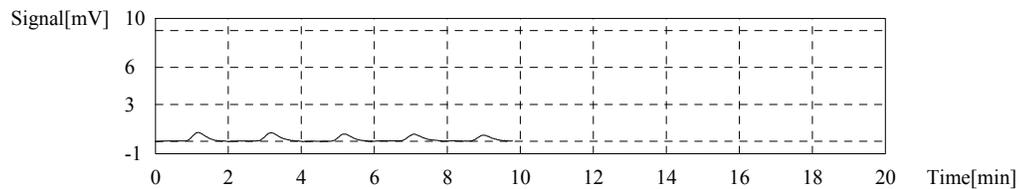
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1859mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.870	0.2317mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 5:35:27 PM
2	1.856	0.2302mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 5:38:58 PM
3	1.562	0.1992mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 5:42:21 PM
4	1.445	0.1868mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 5:45:52 PM
5	1.303	0.1718mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 5:49:24 PM

Mean Area 1.437
Mean Conc. 0.1859mg/L



Sample

Sample Name: 18L0346-03
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result:

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:3.810mg/L

1. Det

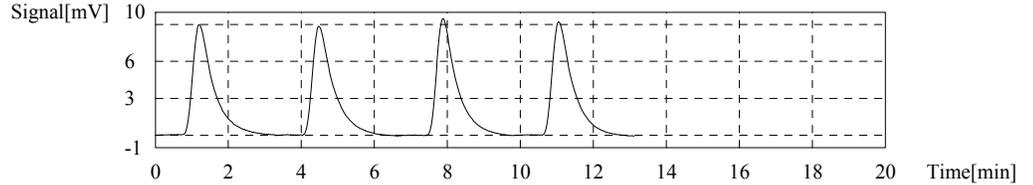
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Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	35.08	3.707mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 6:00:32 PM
2	35.52	3.754mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 6:04:55 PM
3	36.50	3.857mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 6:09:04 PM
4	36.14	3.819mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 6:13:19 PM

Mean Area 36.05
Mean Conc. 3.810mg/L



Sample

Sample Name: 18L0346-04
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

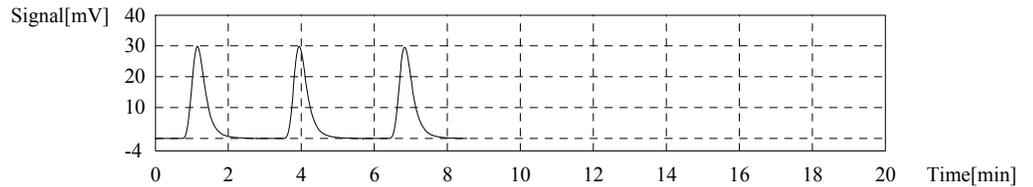
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:8.677mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	81.52	8.615mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 6:23:59 PM
2	82.26	8.694mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 6:27:52 PM
3	82.52	8.721mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 6:31:42 PM

Mean Area 82.10
Mean Conc. 8.677mg/L



Sample

Sample Name: 18L0426-04
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.077mg/L

1. Det

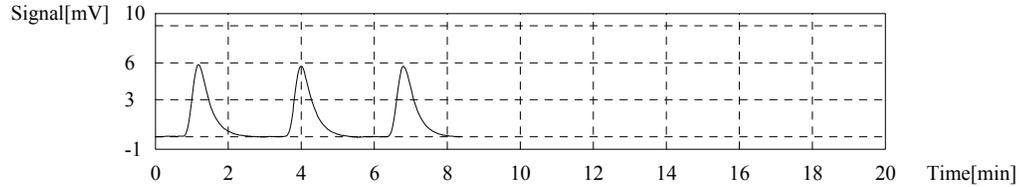
Anal.: NPOC

TOC-Control L Report

BF
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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.46	2.057mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 6:42:23 PM
2	19.91	2.104mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 6:46:10 PM
3	19.59	2.070mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 6:49:55 PM

Mean Area 19.65
Mean Conc. 2.077mg/L



Sample

Sample Name: BGL0673-DUP1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

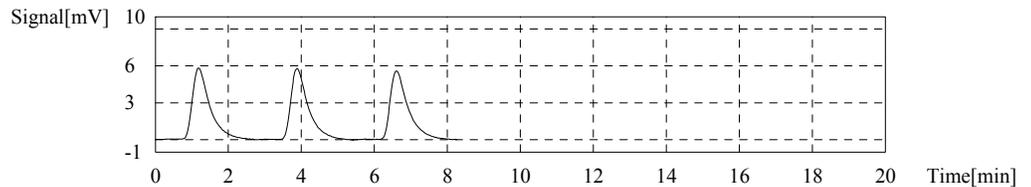
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.042mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	19.42	2.052mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 7:00:23 PM
2	19.30	2.040mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 7:04:11 PM
3	19.24	2.033mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 7:08:06 PM

Mean Area 19.32
Mean Conc. 2.042mg/L



Sample

Sample Name: BGL0673-MS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.39mg/L

1. Det

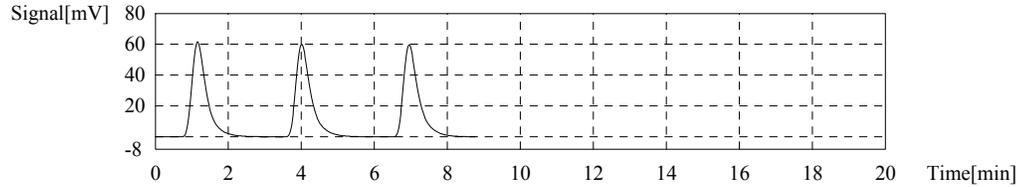
Anal.: NPOC

TOC-Control L Report

BF
2018_12_26_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	173.1	18.29mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 7:18:50 PM
2	174.6	18.45mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 7:22:46 PM
3	174.4	18.43mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 7:26:43 PM

Mean Area 174.0
Mean Conc. 18.39mg/L



Sample

Sample Name: BGL0673-MSD1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

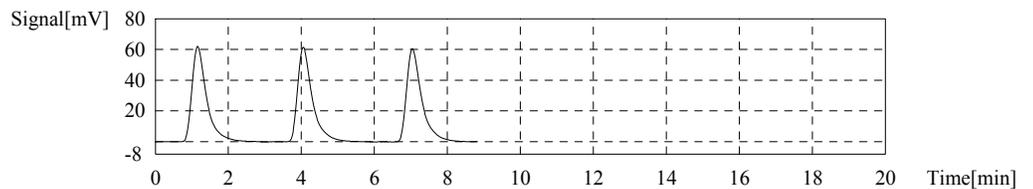
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.53mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	175.2	18.52mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 7:37:30 PM
2	174.3	18.42mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 7:41:28 PM
3	176.5	18.65mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 7:45:22 PM

Mean Area 175.3
Mean Conc. 18.53mg/L



Sample

Sample Name: 18L0426-05
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.813mg/L

1. Det

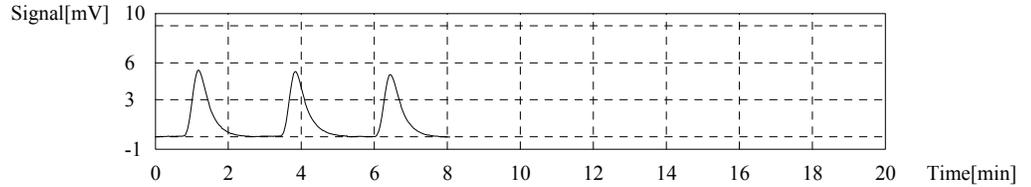
Anal.: NPOC

TOC-Control L Report

BF
2018_12_26_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.50	1.849mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 7:55:55 PM
2	17.13	1.810mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 7:59:37 PM
3	16.84	1.780mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 8:03:38 PM

Mean Area 17.16
Mean Conc. 1.813mg/L



Sample

Sample Name: 18L0426-06
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

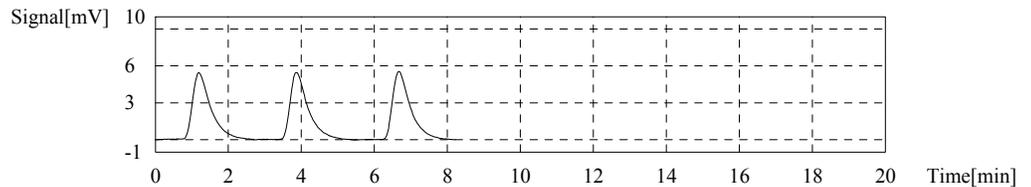
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:2.006mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	18.82	1.989mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 8:14:12 PM
2	18.99	2.007mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 8:18:06 PM
3	19.14	2.023mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 8:21:49 PM

Mean Area 18.98
Mean Conc. 2.006mg/L



Control Sample

Sample Name: SEQ-CCV2
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 18.92 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:18.92ppm

1. Det.

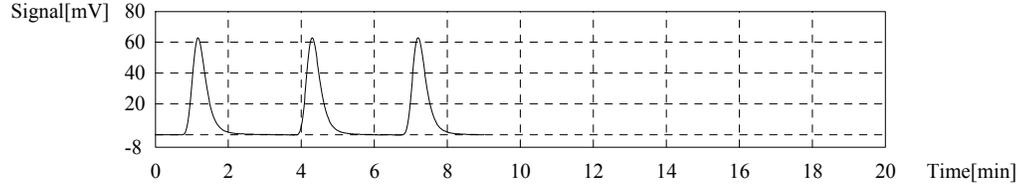
Anal.: NPOC

TOC-Control L Report

BF
2018_12_26_001.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	178.4	18.89ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 8:32:49 PM
2	178.5	18.90ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 8:36:43 PM
3	179.3	18.98ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 8:40:41 PM

Mean Area 178.7
Mean Conc. 18.92ppm



Control Sample

Sample Name: SEQ-CCB2
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.1635 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

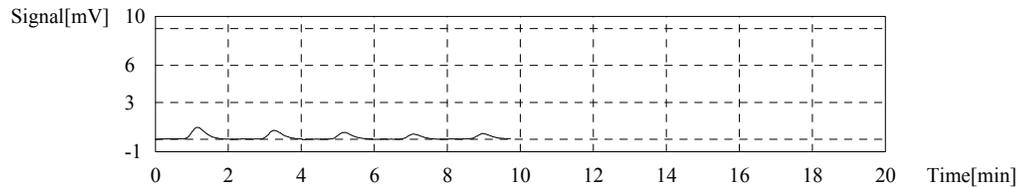
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1635mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.540	0.3025mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 8:50:41 PM
2	1.879	0.2327mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 8:54:00 PM
3	1.507	0.1934mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 8:57:30 PM
4	1.103	0.1507mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 9:00:59 PM
5	1.064	0.1465mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	12/26/2018 9:04:29 PM

Mean Area 1.225
Mean Conc. 0.1635mg/L



	Type	Analysis	Sample Name	Sample	Origin	Manual Diluti	Result	Notes	Status	Date / Time	Vial
1	Unknown	NPOC	Rinse		NPOC 0.5 -	1.000	NPOC:0.1173mg/L		Completed	12/26/2018 1:08:51 P	0
2	Control	NPOC	SEQ-ICV1	CVS 20	CVS 20 pp	1.000	NPOC:18.86ppm	Control valu	Completed	12/26/2018 1:27:05 P	3
3	Control	NPOC	SEQ-ICB1		ICB CCB:tpl	1.000	NPOC:0.1500mg/L	Control valu	Completed	12/26/2018 1:50:52 P	4
4	Unknown	NPOC	SEQ-IFA1		NPOC 0.5 -	1.000	NPOC:18.86mg/L		Completed	12/26/2018 2:09:21 P	9
5	Unknown	NPOC	BGL0668-MS4		NPOC 0.5 -	1.000	NPOC:36.67mg/L		Completed	12/26/2018 2:29:33 P	10
6	Unknown	NPOC	BGL0668-MSD4		NPOC 0.5 -	1.000	NPOC:36.87mg/L		Completed	12/26/2018 2:49:43 P	11
7	Unknown	NPOC	BGL0673-MRL1		NPOC 0.5 -	1.000	NPOC:0.6006mg/L		Completed	12/26/2018 3:14:56 P	12
8	Unknown	NPOC	BGL0673-BLK1		NPOC 0.5 -	1.000	NPOC:0.3140mg/L		Completed	12/26/2018 3:32:20 P	13
9	Unknown	NPOC	BGL0673-BS1		NPOC 0.5 -	1.000	NPOC:18.96mg/L		Completed	12/26/2018 3:50:47 P	14
10	Unknown	NPOC	18L0346-01		NPOC 0.5 -	1.000	NPOC:1.859mg/L		Completed	12/26/2018 4:09:30 P	15
11	Unknown	NPOC	BGL0673-DUP2		NPOC 0.5 -	1.000	NPOC:1.856mg/L		Completed	12/26/2018 4:28:16 P	16
12	Unknown	NPOC	BGL0673-MS2		NPOC 0.5 -	1.000	NPOC:18.04mg/L		Completed	12/26/2018 4:47:11 P	17
13	Unknown	NPOC	18L0346-02		NPOC 0.5 -	1.000	NPOC:5.128mg/L		Completed	12/26/2018 5:06:52 P	18
14	Control	NPOC	SEQ-CCV1	CVS 20	CVS 20 pp	1.000	NPOC:18.97ppm	Control valu	Completed	12/26/2018 5:25:34 P	3
15	Control	NPOC	SEQ-CCB1		ICB CCB:tpl	1.000	NPOC:0.1859mg/L	Control valu	Completed	12/26/2018 5:49:24 P	4
16	Unknown	NPOC	18L0346-03		NPOC 0.5 -	1.000	NPOC:3.810mg/L		Completed	12/26/2018 6:13:19 P	19
17	Unknown	NPOC	18L0346-04		NPOC 0.5 -	1.000	NPOC:8.677mg/L		Completed	12/26/2018 6:31:42 P	20
18	Unknown	NPOC	18L0426-04		NPOC 0.5 -	1.000	NPOC:2.077mg/L		Completed	12/26/2018 6:49:55 P	21
19	Unknown	NPOC	BGL0673-DUP1		NPOC 0.5 -	1.000	NPOC:2.042mg/L		Completed	12/26/2018 7:08:06 P	22
20	Unknown	NPOC	BGL0673-MS1		NPOC 0.5 -	1.000	NPOC:18.39mg/L		Completed	12/26/2018 7:26:43 P	23
21	Unknown	NPOC	BGL0673-MSD1		NPOC 0.5 -	1.000	NPOC:18.53mg/L		Completed	12/26/2018 7:45:22 P	24
22	Unknown	NPOC	18L0426-05		NPOC 0.5 -	1.000	NPOC:1.813mg/L		Completed	12/26/2018 8:03:38 P	25
23	Unknown	NPOC	18L0426-06		NPOC 0.5 -	1.000	NPOC:2.006mg/L		Completed	12/26/2018 8:21:49 P	26
24	Control	NPOC	SEQ-CCV2	CVS 20	CVS 20 pp	1.000	NPOC:18.92ppm	Control valu	Completed	12/26/2018 8:40:41 P	5
25	Control	NPOC	SEQ-CCB2		ICB CCB:tpl	1.000	NPOC:0.1635mg/L	Control valu	Completed	12/26/2018 9:04:29 P	6





INITIAL CALIBRATION DATA

SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Calibration: BJ00092

Instrument: TOC-LCSH

Calibration Date: 10/29/2018 16:55

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Dissolved Organic Carbon, Dissolved	0	0	0.50002	10.13759	1	9.744	2.5001	9.375626	5.0002	9.069637	10	9.316
Total Organic Carbon	0	0	0.50002	10.13759	1	9.744	2.5001	9.375626	5.0002	9.069637	10	9.316





INITIAL CALIBRATION DATA

SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Calibration: BJ00092

Instrument: TOC-LCSH

Calibration Date: 10/29/2018 16:55

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
		RF		RF		RF		RF		RF		RF
Dissolved Organic Carbon, Dissolved	25.001	9.391624	50.002	9.50762								
Total Organic Carbon	25.001	9.391624	50.002	9.50762								





INITIAL CALIBRATION DATA

SM 5310 B-00

Laboratory:	Analytical Resources, Inc.	SDG:	18L0426
Client:	Test America	Project:	Portland Harbor Pre-Remedial Design
Calibration:	BJ00092	Instrument:	TOC-LCSH
Calibration Date:	10/29/2018 16:55		

COMPOUND	Mean RF	RF RSD	Linear COD	Quad COD	COD Limit	Q
Dissolved Organic Carbon, Dissolved	8.317763	40.6	0.9999			
Total Organic Carbon	8.317763	40.6	0.9999			



TOC-Control L Report

BF
2018_10_29_002.tlx

Instr.Information

Instrument Options TOC/ASI/IC Unit/
Catalyst Regular Sensitivity

Sample

Sample Name: Rinse
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

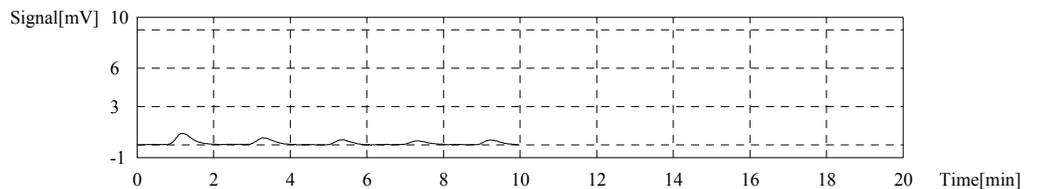
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1029mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.608	0.2647mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_26_16_39_06.cal	10/29/2018 4:55:26 PM
2	1.499	0.1522mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_26_16_39_06.cal	10/29/2018 4:58:53 PM
3	1.157	0.1174mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_26_16_39_06.cal	10/29/2018 5:02:18 PM
4	0.7809	0.07926mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_26_16_39_06.cal	10/29/2018 5:05:45 PM
5	1.103	0.1120mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_26_16_39_06.cal	10/29/2018 5:09:15 PM

Mean Area 1.014
Mean Conc. 0.1029mg/L



Cal. Curve

Sample Name: SEQ-CAL
Sample ID: Curve
Cal. Curve: NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal
Status: Completed

Type	Anal.
Standard	NPOC

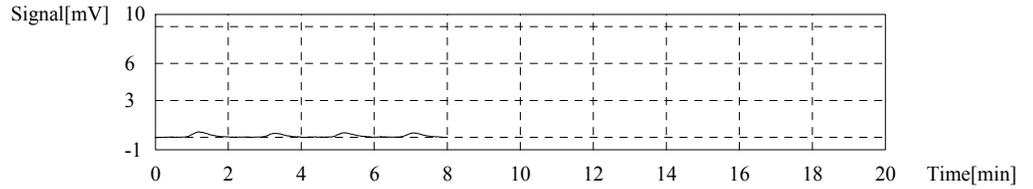
Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.312	100uL	1.000	*****	E	10/29/2018 5:16:56 PM
2	0.8324	100uL	1.000	*****		10/29/2018 5:20:15 PM
3	0.9657	100uL	1.000	*****		10/29/2018 5:23:45 PM
4	0.9431	100uL	1.000	*****		10/29/2018 5:27:19 PM

TOC-Control L Report

BF
2018_10_29_002.tlx

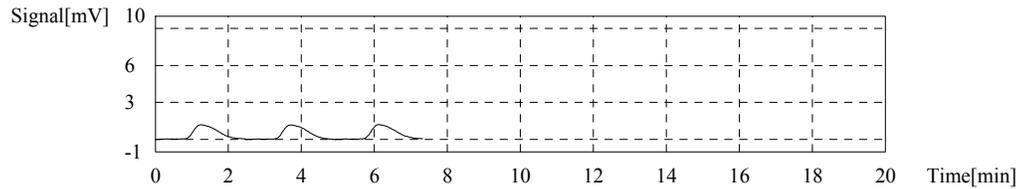
Acid Add. 1.500%
Spurge Gas Flow 80ml
Sp. Time 90.00sec
Mean Area 0.9137



Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	5.069	100uL	10.00	*****		10/29/2018 5:37:58 PM
2	5.147	100uL	10.00	*****		10/29/2018 5:42:48 PM
3	4.983	100uL	10.00	*****		10/29/2018 5:47:42 PM

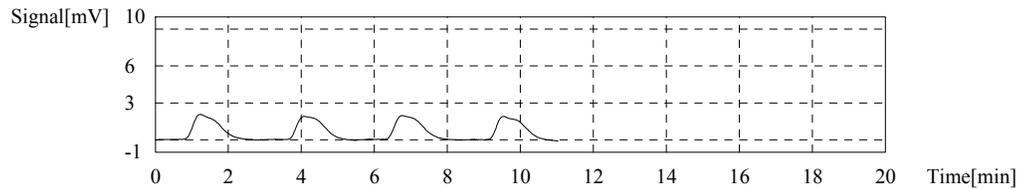
Acid Add. 1.500%
Spurge Gas Flow 80ml
Sp. Time 90.00sec
Mean Area 5.066



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	10.35	100uL	5.000	*****	E	10/29/2018 5:56:53 PM
2	9.744	100uL	5.000	*****		10/29/2018 6:00:34 PM
3	10.05	100uL	5.000	*****		10/29/2018 6:04:22 PM
4	9.968	100uL	5.000	*****		10/29/2018 6:08:05 PM

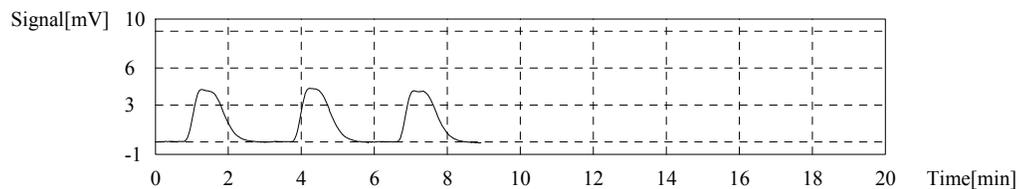
Acid Add. 1.500%
Spurge Gas Flow 80ml
Sp. Time 90.00sec
Mean Area 9.921



Conc: 2.500mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	23.44	100uL	2.000	*****		10/29/2018 6:17:33 PM
2	23.28	100uL	2.000	*****		10/29/2018 6:21:26 PM
3	23.54	100uL	2.000	*****		10/29/2018 6:25:31 PM

Acid Add. 1.500%
Spurge Gas Flow 80ml
Sp. Time 90.00sec
Mean Area 23.42



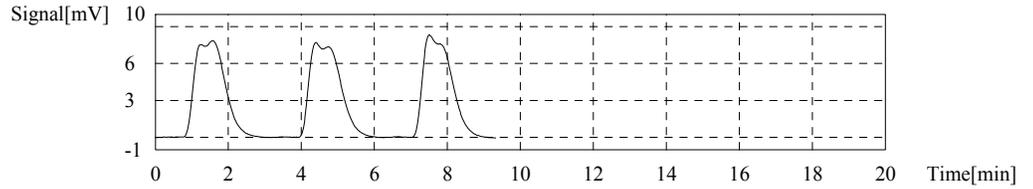
Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	45.35	100uL	1.000	*****		10/29/2018 6:34:36 PM
2	45.19	100uL	1.000	*****		10/29/2018 6:38:42 PM
3	45.29	100uL	1.000	*****		10/29/2018 6:42:45 PM

TOC-Control L Report

2018_10_29_002.tlx

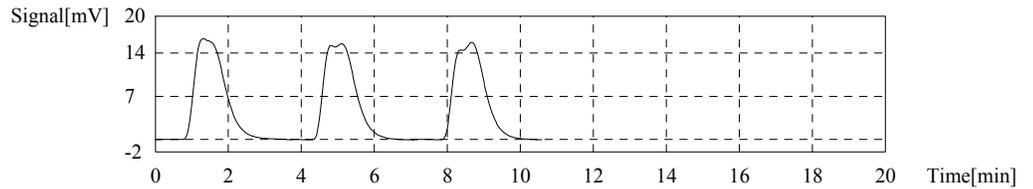
Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 45.28



Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	93.16	100uL	5.000	*****		10/29/2018 6:54:48 PM
2	93.43	100uL	5.000	*****		10/29/2018 6:59:20 PM
3	93.01	100uL	5.000	*****		10/29/2018 7:03:50 PM

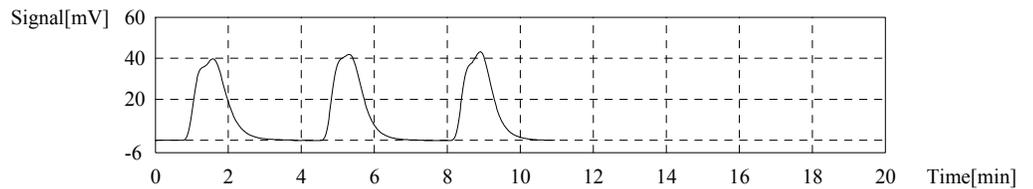
Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 93.20



Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	234.8	100uL	2.000	*****		10/29/2018 7:14:08 PM
2	236.3	100uL	2.000	*****		10/29/2018 7:18:42 PM
3	235.7	100uL	2.000	*****		10/29/2018 7:23:17 PM

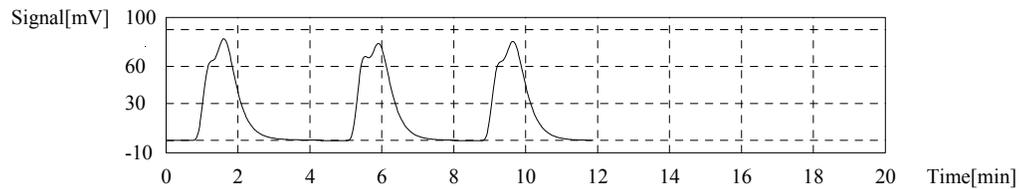
Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 235.6



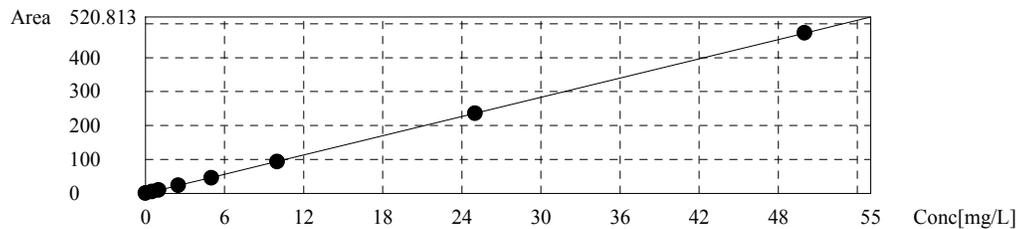
Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	475.4	100uL	1.000	*****		10/29/2018 7:33:29 PM
2	471.5	100uL	1.000	*****		10/29/2018 7:38:13 PM
3	473.5	100uL	1.000	*****		10/29/2018 7:43:01 PM

Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 473.5



Slope: 9.462
 Intercept: 0.000
 r²: 1.0000
 r: 1.0000
 Zero Shift: Yes



TOC-Control L Report

BF
2018_10_29_002.tlx

Control Sample

Sample Name: SEQ-ICV1
 Sample ID: CVS 20
 Method: CVS 20 ppm.tpl
 Status: Completed
 Chk. Result: Control value: 19.28 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

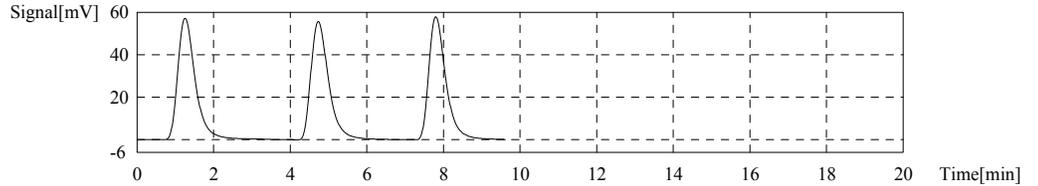
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.28ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	183.9	19.47ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 7:54:24 PM
2	181.2	19.18ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 7:58:28 PM
3	181.1	19.17ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:02:31 PM

Mean Area: 182.1
 Mean Conc.: 19.28ppm



Control Sample

Sample Name: SEQ-ICB1
 Sample ID: ICB CCB.tpl
 Method: Completed
 Status: Completed
 Chk. Result: Control value: 0.2659 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2659mg/L

1. Det.

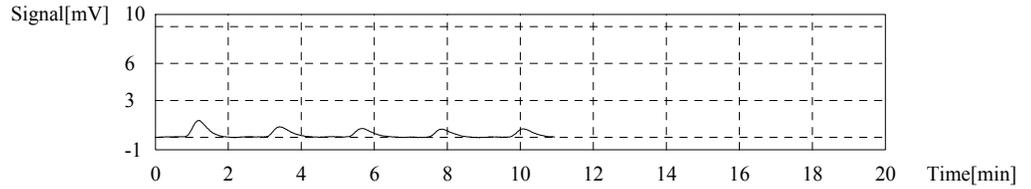
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.924	0.4488mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:12:38 PM
2	2.744	0.3241mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:16:10 PM
3	2.210	0.2677mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:19:36 PM
4	2.292	0.2763mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:23:09 PM
5	2.077	0.2536mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:26:28 PM

TOC-Control L Report

BF
2018_10_29_002.tlx

Mean Area 2.193
Mean Conc. 0.2659mg/L



Sample

Sample Name: SEQ-IFA1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

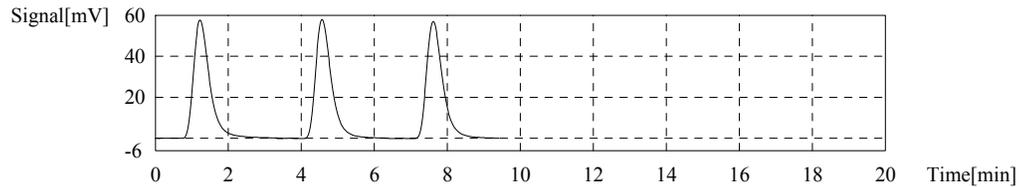
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:18.78mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.1	18.93mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:37:34 PM
2	176.4	18.64mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:41:36 PM
3	177.6	18.77mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:45:38 PM

Mean Area 177.7
Mean Conc. 18.78mg/L



Sample

Sample Name: 18J0334-25 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6122mg/L

1. Det

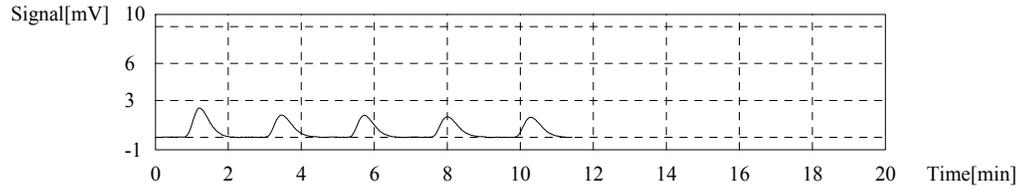
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.587	0.8018mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:55:46 PM
2	6.106	0.6453mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 8:59:35 PM
3	5.965	0.6304mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:03:22 PM
4	5.728	0.6054mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:07:10 PM
5	5.684	0.6007mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:11:02 PM

TOC-Control L Report

BF
2018_10_29_002.tlx

Mean Area 5.792
Mean Conc. 0.6122mg/L



Sample

Sample Name: 18J0334-27 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

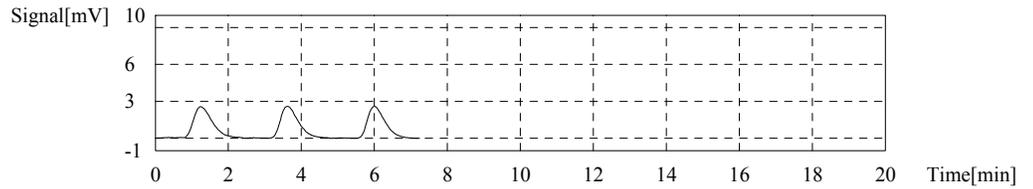
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.9334mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.876	0.9381mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:21:08 PM
2	8.855	0.9358mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:24:55 PM
3	8.764	0.9262mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:28:47 PM

Mean Area 8.832
Mean Conc. 0.9334mg/L



Sample

Sample Name: 18J0334-29 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6165mg/L

1. Det

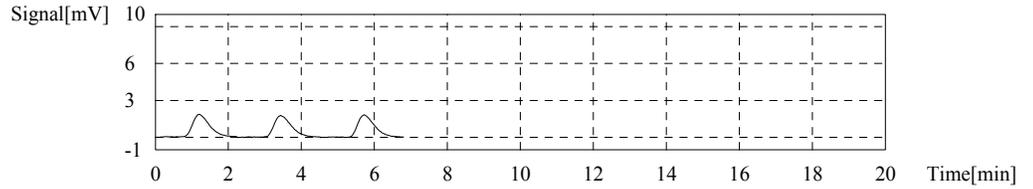
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.761	0.6088mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:39:13 PM
2	5.861	0.6194mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:43:03 PM
3	5.877	0.6211mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:46:50 PM

TOC-Control L Report

BF
2018_10_29_002.tlx

Mean Area 5.833
Mean Conc. 0.6165mg/L



Sample

Sample Name: 18J0334-31 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

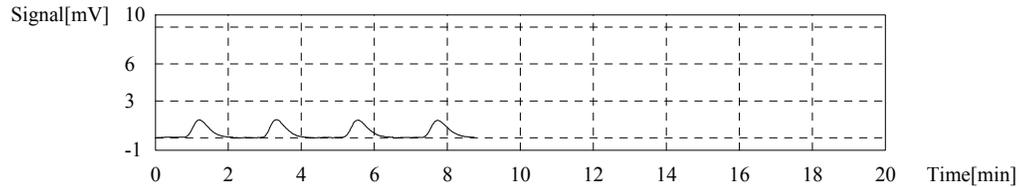
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4808mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.265	0.4507mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 9:56:39 PM
2	4.556	0.4815mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:00:32 PM
3	4.486	0.4741mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:04:17 PM
4	4.607	0.4869mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:08:06 PM

Mean Area 4.550
Mean Conc. 0.4808mg/L



Sample

Sample Name: 18J0334-33 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6551mg/L

1. Det

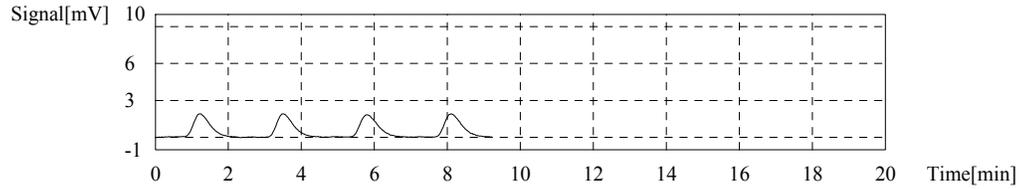
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.877	0.6211mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:18:05 PM
2	6.135	0.6484mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:21:52 PM
3	6.157	0.6507mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:25:40 PM
4	6.303	0.6661mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:29:28 PM

TOC-Control L Report

BF
2018_10_29_002.tlx

Mean Area 6.198
Mean Conc. 0.6551mg/L



Sample

Sample Name: 18J0334-35 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

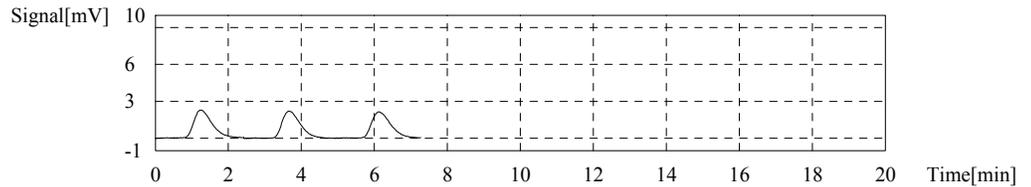
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8127mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.716	0.8155mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:39:35 PM
2	7.749	0.8189mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:43:24 PM
3	7.606	0.8038mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:47:08 PM

Mean Area 7.690
Mean Conc. 0.8127mg/L



Sample

Sample Name: 18J0334-37 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7432mg/L

1. Det

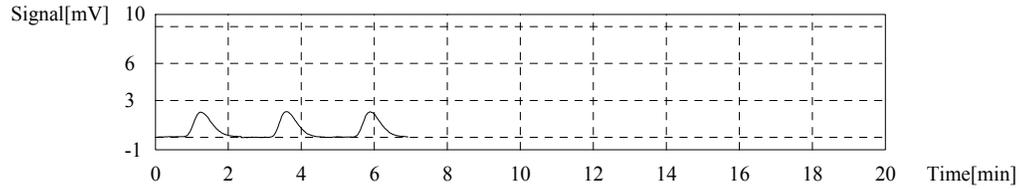
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.982	0.7379mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 10:57:11 PM
2	7.139	0.7545mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:00:55 PM
3	6.975	0.7371mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:04:42 PM

TOC-Control L Report

BF
2018_10_29_002.tlx

Mean Area 7.032
Mean Conc. 0.7432mg/L



Sample

Sample Name: 18J0334-39 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

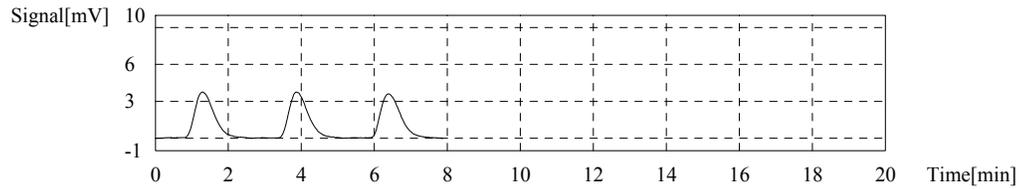
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.443mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.58	1.435mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:15:00 PM
2	13.67	1.445mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:18:43 PM
3	13.71	1.449mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:22:45 PM

Mean Area 13.65
Mean Conc. 1.443mg/L



Sample

Sample Name: BGJ0804-MRL1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8213mg/L

1. Det

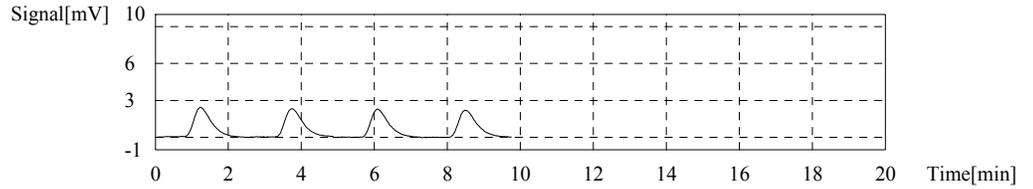
Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.023	0.8479mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:33:01 PM
2	7.816	0.8260mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:36:40 PM
3	7.703	0.8141mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:40:29 PM
4	7.795	0.8238mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:44:21 PM

TOC-Control L Report

2018_10_29_002.tlx ^{BF}

Mean Area 7.771
Mean Conc. 0.8213mg/L



Control Sample

Sample Name: SEQ-CCV1
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 19.01 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

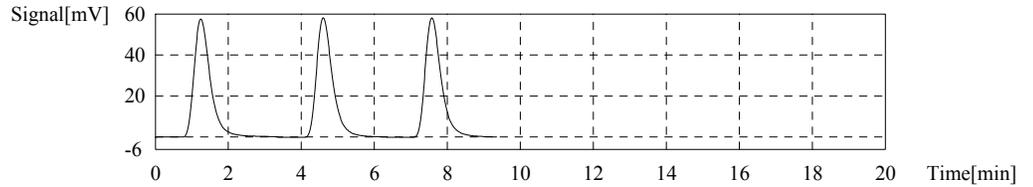
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.01ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.2	18.97ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:56:00 PM
2	179.6	19.01ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/29/2018 11:59:59 PM
3	179.9	19.05ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:04:00 AM

Mean Area 179.6
Mean Conc. 19.01ppm



Control Sample

Sample Name: SEQ-CCB1
Sample ID: ICB CCB.tpl
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.2336 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2336mg/L

1. Det.

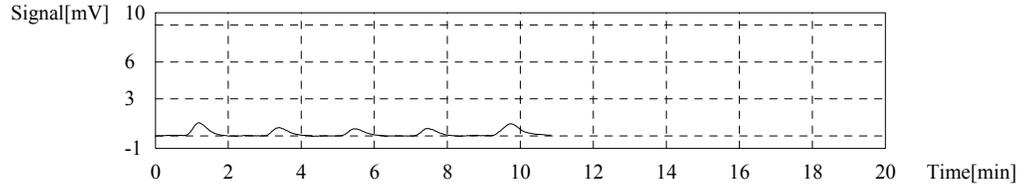
Anal.: NPOC

TOC-Control L Report

BF
2018_10_29_002.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.955	0.3464mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:14:05 AM
2	1.981	0.2435mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:17:29 AM
3	1.732	0.2171mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:20:54 AM
4	1.951	0.2403mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:24:32 AM
5	3.445	0.3982mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:28:20 AM

Mean Area 1.888
Mean Conc. 0.2336mg/L



Sample

Sample Name: BGJ0804-BLK1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

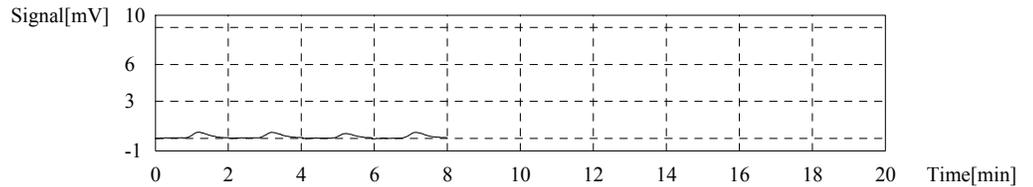
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1448mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.336	0.1412mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:38:19 AM
2	1.348	0.1425mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:42:06 AM
3	1.003	0.1060mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:45:46 AM
4	1.426	0.1507mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:49:42 AM

Mean Area 1.370
Mean Conc. 0.1448mg/L



Sample

Sample Name: BGJ0804-BS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:20.26mg/L

1. Det

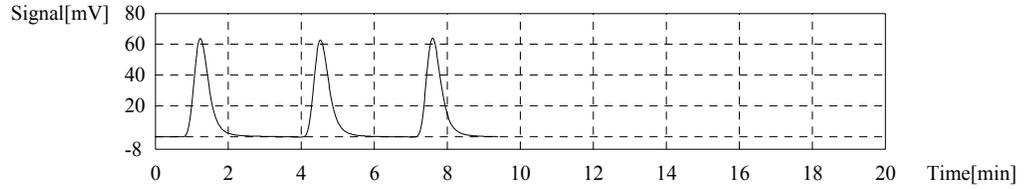
Anal.: NPOC

TOC-Control L Report

BF
2018_10_29_002.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	190.2	20.10mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:00:43 AM
2	191.7	20.26mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:04:47 AM
3	193.3	20.43mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:08:48 AM

Mean Area 191.7
Mean Conc. 20.26mg/L



Sample

Sample Name: 18J0334-47
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

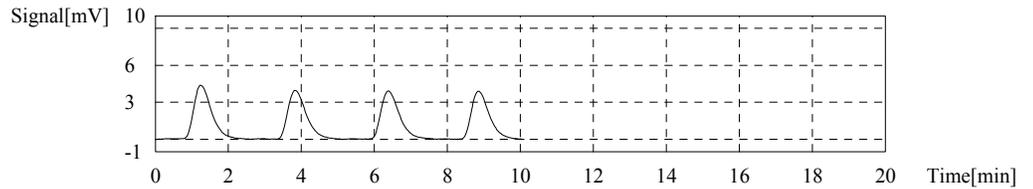
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.443mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.79	1.563mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:19:16 AM
2	13.93	1.472mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:23:02 AM
3	13.56	1.433mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:26:45 AM
4	13.47	1.424mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:30:33 AM

Mean Area 13.65
Mean Conc. 1.443mg/L



Sample

Sample Name: BGJ0804-DUP1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.398mg/L

1. Det

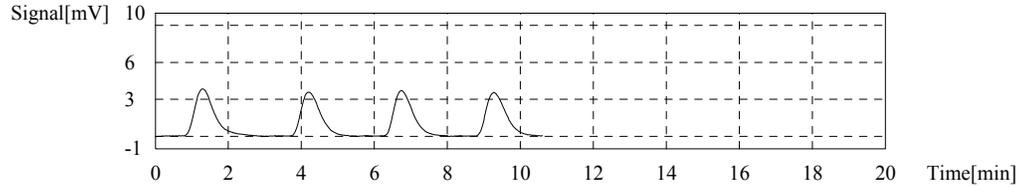
Anal.: NPOC

TOC-Control L Report

BF
2018_10_29_002.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	14.48	1.530mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:41:39 AM
2	13.13	1.388mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:45:12 AM
3	13.20	1.395mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:48:56 AM
4	13.35	1.411mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:52:48 AM

Mean Area 13.23
Mean Conc. 1.398mg/L



Sample

Sample Name: BGJ0804-MS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

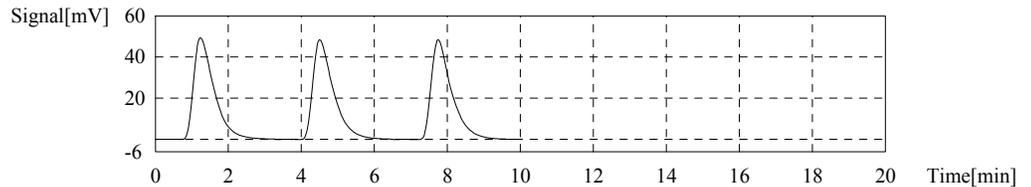
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:20.32mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	193.7	20.47mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:04:00 AM
2	191.9	20.28mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:08:14 AM
3	191.2	20.21mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:12:37 AM

Mean Area 192.3
Mean Conc. 20.32mg/L



Sample

Sample Name: 18J0334-49
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2863mg/L

1. Det

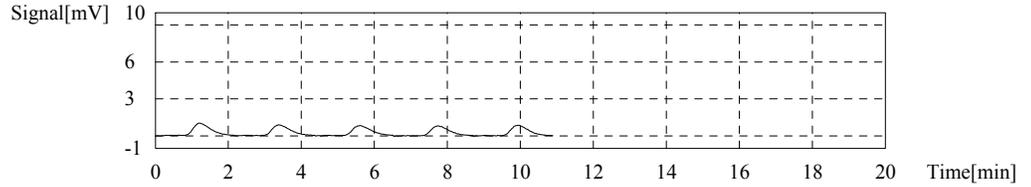
Anal.: NPOC

TOC-Control L Report

BF
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No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.213	0.3396mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:22:41 AM
2	2.943	0.3110mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:26:30 AM
3	2.709	0.2863mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:30:14 AM
4	2.637	0.2787mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:34:03 AM
5	2.780	0.2938mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:37:50 AM

Mean Area 2.709
Mean Conc. 0.2863mg/L



Sample

Sample Name: 18J0334-51
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

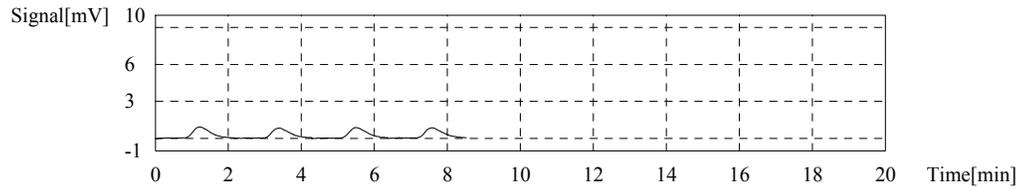
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2909mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.830	0.2991mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:47:51 AM
2	2.579	0.2726mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:51:41 AM
3	2.755	0.2912mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:55:29 AM
4	2.672	0.2824mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:59:22 AM

Mean Area 2.752
Mean Conc. 0.2909mg/L



Sample

Sample Name: 18J0334-53
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3362mg/L

1. Det

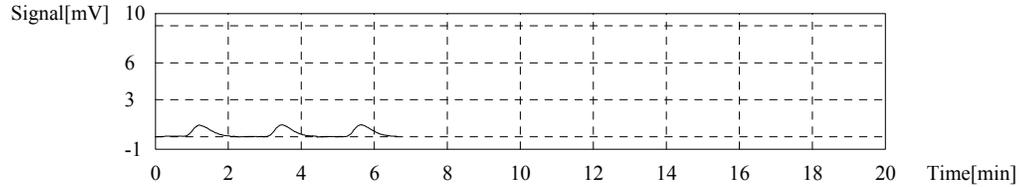
Anal.: NPOC

TOC-Control L Report

BF
2018_10_29_002.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.104	0.3280mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:09:20 AM
2	3.146	0.3325mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:13:02 AM
3	3.293	0.3480mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:16:52 AM

Mean Area 3.181
Mean Conc. 0.3362mg/L



Sample

Sample Name: 18J0334-55
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

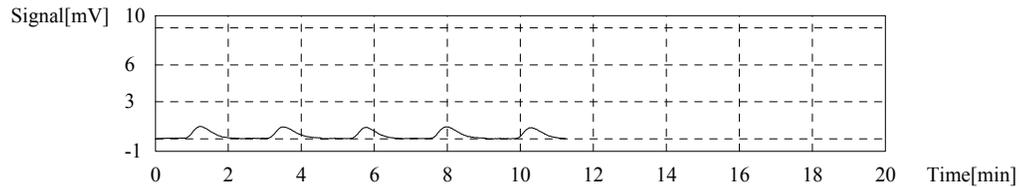
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3555mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.280	0.3466mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:26:51 AM
2	3.320	0.3509mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:30:40 AM
3	3.040	0.3213mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:34:21 AM
4	3.490	0.3688mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:38:17 AM
5	3.096	0.3272mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:41:53 AM

Mean Area 3.363
Mean Conc. 0.3555mg/L



Sample

Sample Name: 18J0334-57
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2106mg/L

1. Det

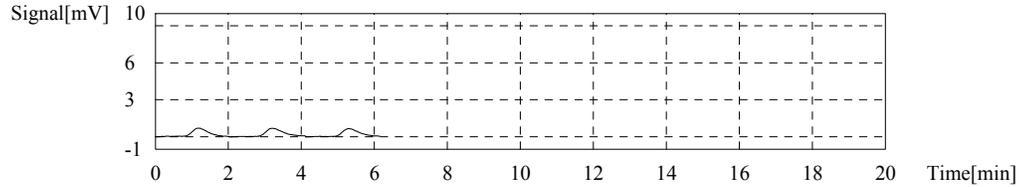
Anal.: NPOC

TOC-Control L Report

BF
2018_10_29_002.tlx

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.985	0.2098mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:51:38 AM
2	2.054	0.2171mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:55:30 AM
3	1.939	0.2049mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:59:13 AM

Mean Area 1.993
Mean Conc. 0.2106mg/L



Control Sample

Sample Name: SEQ-CCV2
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 19.03 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

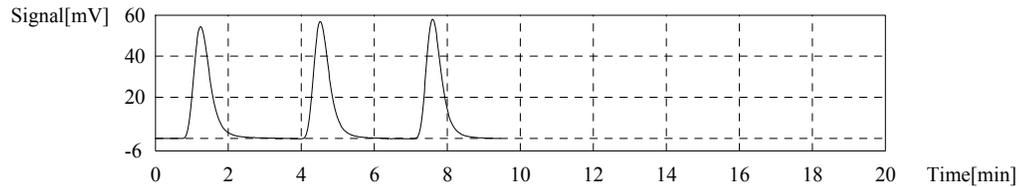
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.03ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	177.8	18.82ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:10:14 AM
2	180.6	19.12ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:14:19 AM
3	180.7	19.13ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:18:24 AM

Mean Area 179.7
Mean Conc. 19.03ppm



Control Sample

Sample Name: SEQ-CCB2
Sample ID: ICB CCB.tpl
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.1235 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.1235mg/L

TOC-Control L Report

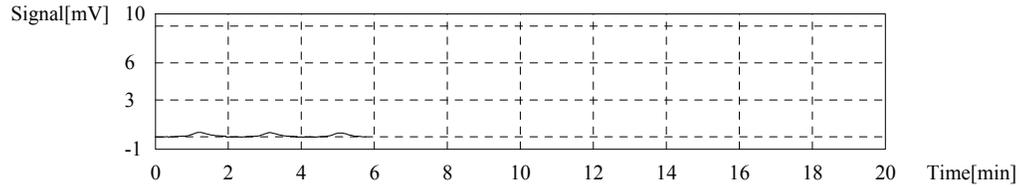
BF
2018_10_29_002.tlx

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.9125	0.1305mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:28:14 AM
2	0.8145	0.1202mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:31:44 AM
3	0.8107	0.1198mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:35:12 AM

Mean Area 0.8459
Mean Conc. 0.1235mg/L



Sample

Sample Name: 18J0334-59
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

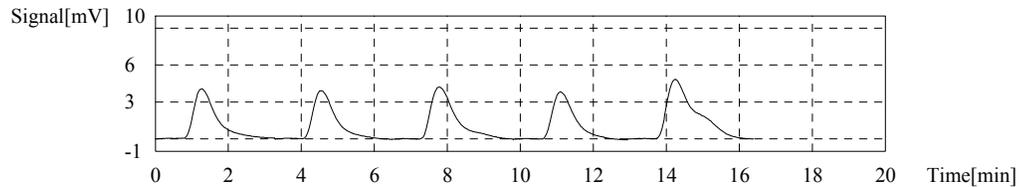
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.786mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.42	1.841mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:46:27 AM
2	16.75	1.770mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:50:40 AM
3	20.12	2.126mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:54:59 AM
4	16.52	1.746mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:59:06 AM
5	26.82	2.834mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:03:33 AM

Mean Area 16.90
Mean Conc. 1.786mg/L



Sample

Sample Name: 18J0334-60
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.104mg/L

TOC-Control L Report

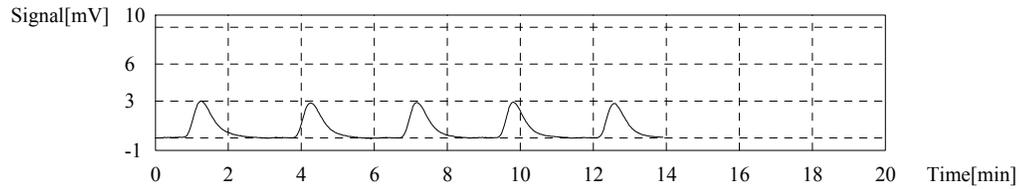
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2018_10_29_002.tlx

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.74	1.241mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:14:28 AM
2	11.26	1.190mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:18:23 AM
3	10.73	1.134mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:22:02 AM
4	10.48	1.108mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:25:54 AM
5	10.14	1.072mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:29:30 AM

Mean Area 10.45
Mean Conc. 1.104mg/L



Sample

Sample Name: 18J0334-61
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

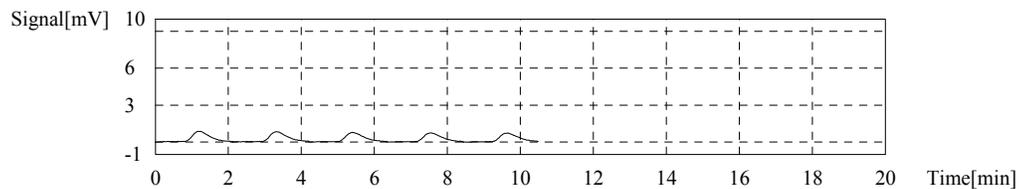
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2459mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.652	0.2803mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:39:36 AM
2	2.522	0.2665mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:43:20 AM
3	2.393	0.2529mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:47:10 AM
4	2.304	0.2435mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:50:55 AM
5	2.284	0.2414mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:54:39 AM

Mean Area 2.327
Mean Conc. 0.2459mg/L



Sample

Sample Name: 18J0334-63
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

BF
2018_10_29_002.tlx

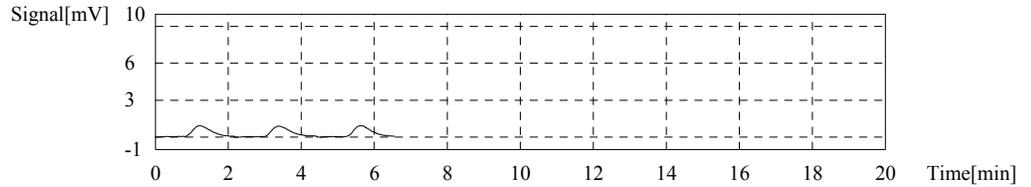
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3079mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.919	0.3085mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:04:34 AM
2	2.906	0.3071mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:08:26 AM
3	2.914	0.3080mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:12:05 AM

Mean Area 2.913
Mean Conc. 0.3079mg/L



Sample

Sample Name: 18J0334-65
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

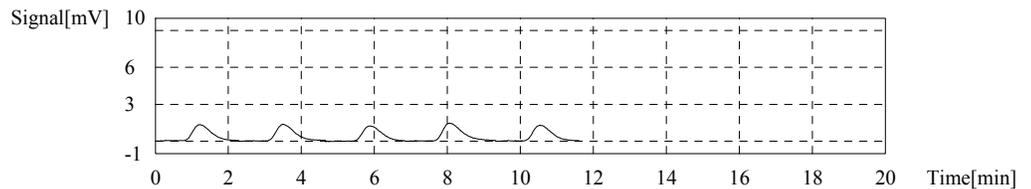
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4700mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.496	0.4752mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:22:06 AM
2	4.615	0.4877mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:25:58 AM
3	4.408	0.4659mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:29:35 AM
4	5.227	0.5524mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:33:38 AM
5	4.438	0.4690mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:37:14 AM

Mean Area 4.447
Mean Conc. 0.4700mg/L



Sample

Sample Name: 18J0334-67
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

BF
2018_10_29_002.tlx

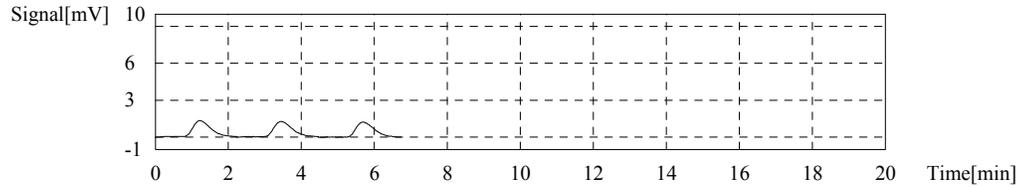
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4519mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.310	0.4555mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:47:11 AM
2	4.277	0.4520mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:51:00 AM
3	4.242	0.4483mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:54:48 AM

Mean Area 4.276
Mean Conc. 0.4519mg/L



Sample

Sample Name: 18J0334-69
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

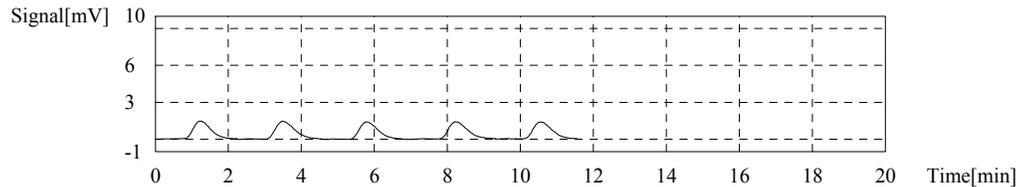
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5122mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.715	0.4983mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:04:47 AM
2	5.239	0.5537mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:08:37 AM
3	5.170	0.5464mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:12:33 AM
4	4.954	0.5236mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:16:12 AM
5	4.872	0.5149mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:19:54 AM

Mean Area 4.847
Mean Conc. 0.5122mg/L



Sample

Sample Name: 18J0334-71
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

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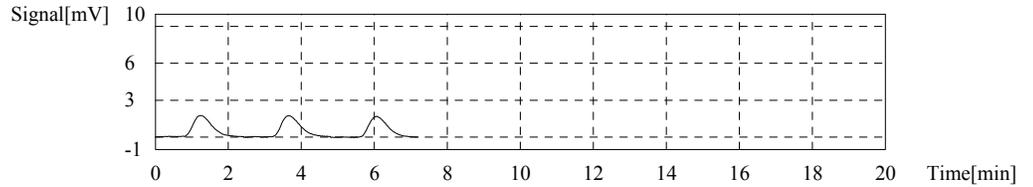
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6477mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.074	0.6419mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:30:03 AM
2	6.194	0.6546mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:33:48 AM
3	6.119	0.6467mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:37:36 AM

Mean Area 6.129
Mean Conc. 0.6477mg/L



Sample

Sample Name: 18J0334-73
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

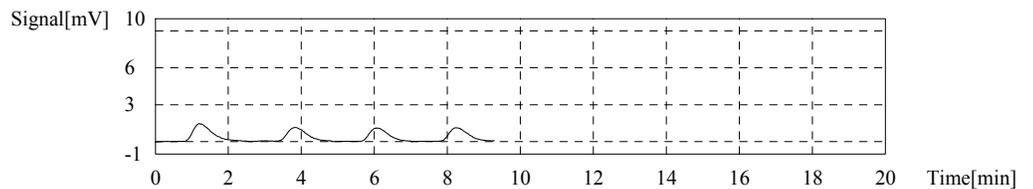
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4127mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.415	0.5723mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:47:55 AM
2	3.943	0.4167mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:51:22 AM
3	3.857	0.4076mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:55:05 AM
4	3.916	0.4139mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:58:58 AM

Mean Area 3.905
Mean Conc. 0.4127mg/L



Sample

Sample Name: 18J0334-75
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

TOC-Control L Report

BF
2018_10_29_002.tlx

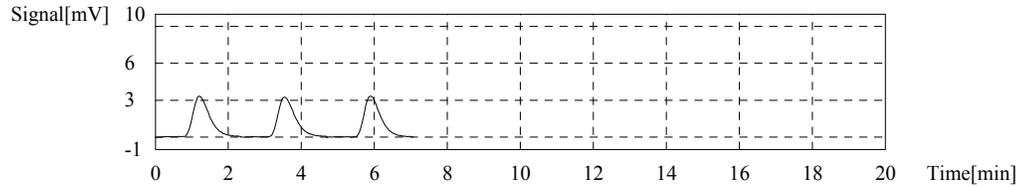
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.110mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.55	1.115mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:09:02 AM
2	10.45	1.104mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:12:50 AM
3	10.51	1.111mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:16:39 AM

Mean Area 10.50
Mean Conc. 1.110mg/L



Control Sample

Sample Name: SEQ-CCV3
 Sample ID: CVS 20
 Method: CVS 20 ppm.tpl
 Status: Completed
 Chk. Result: Control value: 19.01 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

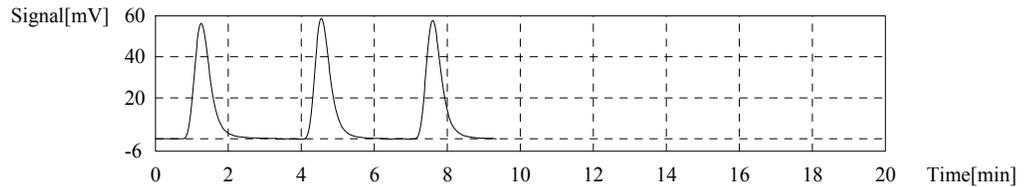
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.01ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	178.5	18.90ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:27:52 AM
2	180.6	19.12ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:31:54 AM
3	179.6	19.01ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:35:53 AM

Mean Area 179.6
Mean Conc. 19.01ppm



Control Sample

Sample Name: SEQ-CCB3
 Sample ID: ICB CCB.tpl
 Method: ICB CCB.tpl
 Status: Completed
 Chk. Result: Control value: 0.2164 / Control within range!

TOC-Control L Report

BF
2018_10_29_002.tlx

(Zero shift setting of cal. curve has been ignored in conc. calculation)

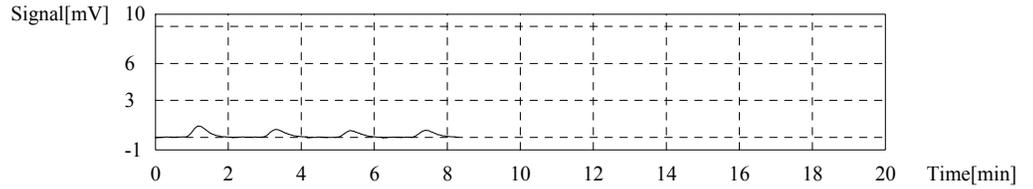
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2164mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.541	0.3026mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:45:54 AM
2	1.804	0.2247mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:49:20 AM
3	1.693	0.2130mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:52:50 AM
4	1.678	0.2114mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:56:22 AM

Mean Area 1.725
Mean Conc. 0.2164mg/L



Sample

Sample Name: 18J0334-77
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

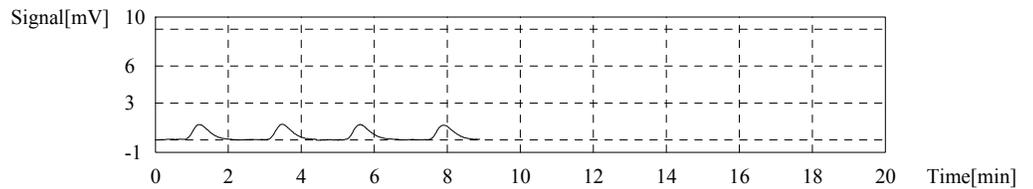
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4036mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.794	0.4010mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:06:27 AM
2	3.803	0.4019mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:10:06 AM
3	4.071	0.4302mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:14:02 AM
4	3.860	0.4079mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:17:44 AM

Mean Area 3.819
Mean Conc. 0.4036mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-79
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

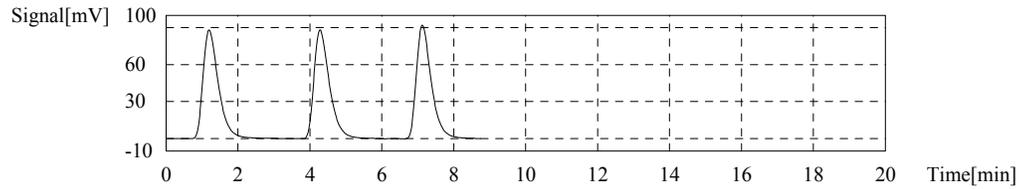
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:28.23mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	265.5	28.06mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:28:33 AM
2	266.3	28.14mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:32:24 AM
3	269.6	28.49mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:36:13 AM

Mean Area 267.1
Mean Conc. 28.23mg/L



Sample

Sample Name: 18J0334-81
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

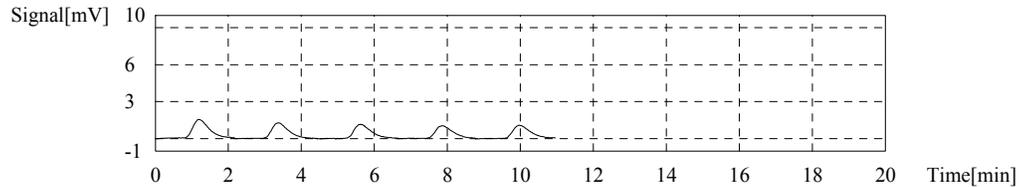
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3661mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.547	0.4805mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:46:18 AM
2	3.966	0.4191mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:50:10 AM
3	3.664	0.3872mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:53:56 AM
4	3.341	0.3531mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 9:57:36 AM
5	3.387	0.3580mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:01:27 AM

Mean Area 3.464
Mean Conc. 0.3661mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-83
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

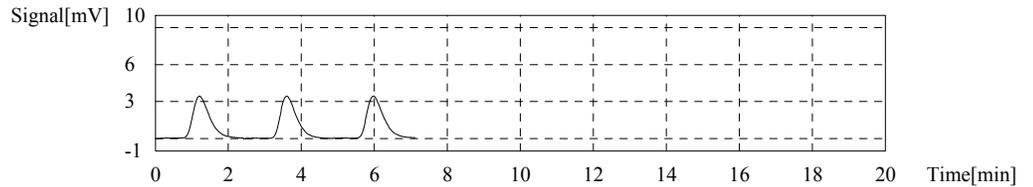
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.139mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.86	1.148mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:11:35 AM
2	10.64	1.124mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:15:20 AM
3	10.82	1.144mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:19:06 AM

Mean Area 10.77
Mean Conc. 1.139mg/L



Sample

Sample Name: BGJ0819-MRL1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

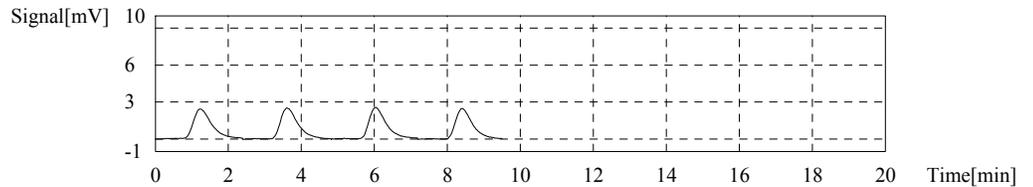
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.8497mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	8.050	0.8508mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:29:13 AM
2	8.476	0.8958mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:33:03 AM
3	8.133	0.8595mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:36:46 AM
4	7.937	0.8388mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:40:30 AM

Mean Area 8.040
Mean Conc. 0.8497mg/L



Sample

TOC-Control L Report

2018_10_29_002.tlx

Sample Name: BGJ0819-BLK1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

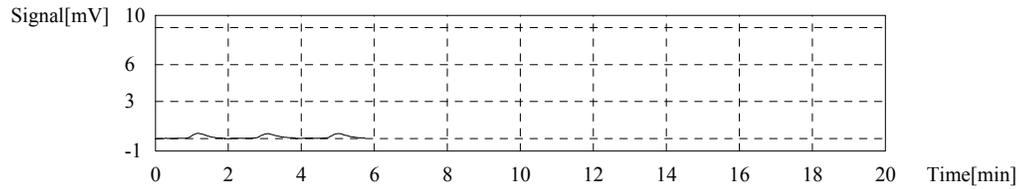
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.1074mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.066	0.1127mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:50:08 AM
2	0.9721	0.1027mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:53:57 AM
3	1.012	0.1070mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 10:57:42 AM

Mean Area 1.017
Mean Conc. 0.1074mg/L



Sample

Sample Name: BGJ0819-BS1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

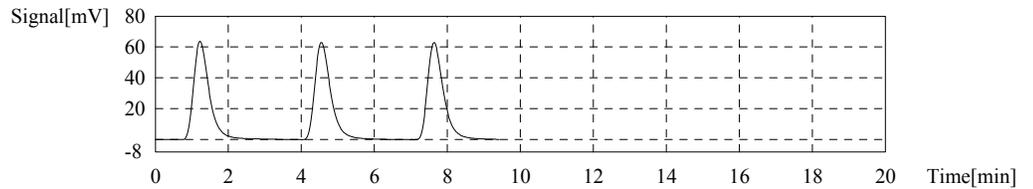
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:20.34mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	190.8	20.16mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:08:45 AM
2	193.2	20.42mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:12:51 AM
3	193.5	20.45mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:16:51 AM

Mean Area 192.5
Mean Conc. 20.34mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-41 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

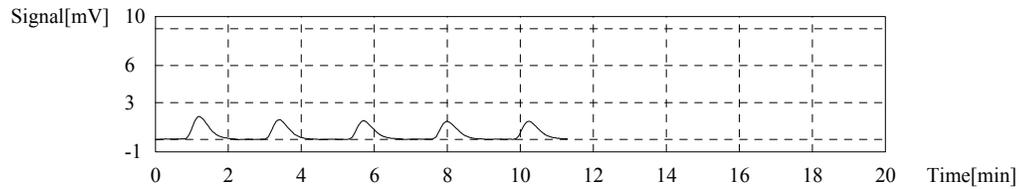
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5049mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.645	0.5966mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:26:57 AM
2	5.119	0.5410mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:30:52 AM
3	4.940	0.5221mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:34:37 AM
4	4.678	0.4944mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:38:22 AM
5	4.715	0.4983mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:42:09 AM

Mean Area 4.778
Mean Conc. 0.5049mg/L



Sample

Sample Name: 18J0334-43 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

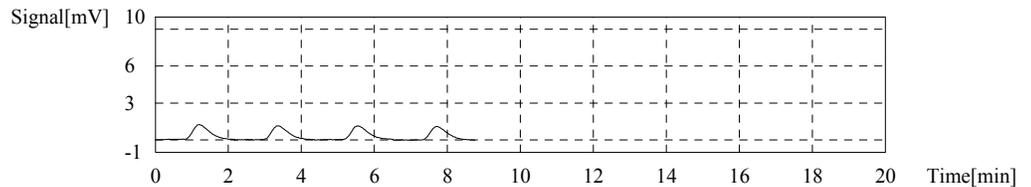
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3766mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.750	0.3963mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:52:04 AM
2	3.649	0.3856mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:55:52 AM
3	3.518	0.3718mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 11:59:38 AM
4	3.522	0.3722mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:03:29 PM

Mean Area 3.563
Mean Conc. 0.3766mg/L



Sample

TOC-Control L Report

2018_10_29_002.tlx

Sample Name: BGI0819-DUP1
 Sample ID:
 Origin: NPOC 0.5 - 50 ppm.cal
 Status: Completed
 Chk. Result

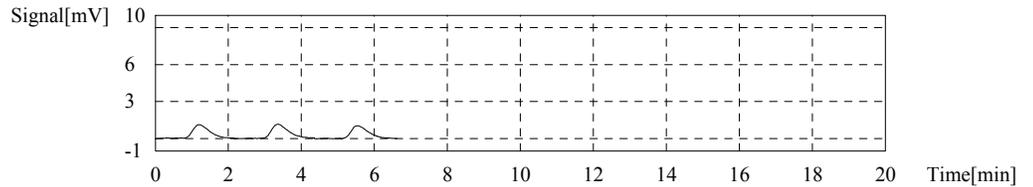
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3681mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.464	0.3661mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:13:24 PM
2	3.550	0.3752mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:17:12 PM
3	3.435	0.3630mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:21:04 PM

Mean Area 3.483
 Mean Conc. 0.3681mg/L



Control Sample

Sample Name: SEQ-CCV4
 Sample ID: CVS 20
 Method: CVS 20 ppm.tpl
 Status: Completed
 Chk. Result: Control value: 19.03 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

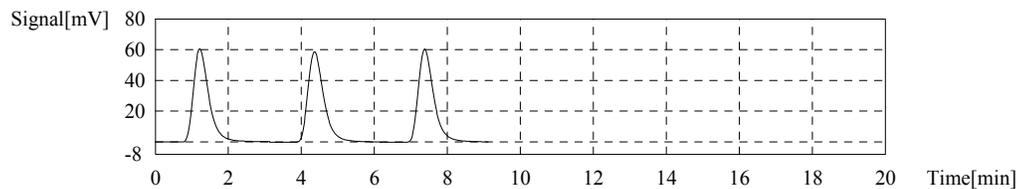
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.03ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.2	18.97ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:31:57 PM
2	179.7	19.03ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:35:57 PM
3	180.2	19.08ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:39:55 PM

Mean Area 179.7
 Mean Conc. 19.03ppm



Control Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: SEQ-CCB4
 Sample ID:
 Method: ICB CCB.tpl
 Status: Completed
 Chk. Result: Control value: 0.2063 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

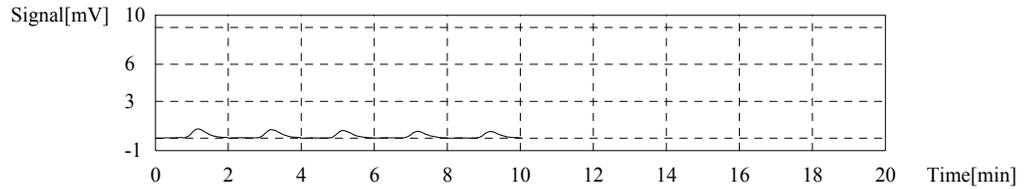
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2063mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.012	0.2467mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:49:49 PM
2	1.935	0.2386mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:53:16 PM
3	1.766	0.2207mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 12:56:50 PM
4	1.546	0.1975mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:00:18 PM
5	1.576	0.2006mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:03:48 PM

Mean Area: 1.629
 Mean Conc.: 0.2063mg/L



Sample

Sample Name: BGJ0819-MS1
 Sample ID:
 Origin: NPOC 0.5 - 50 ppm.cal
 Status: Completed
 Chk. Result:

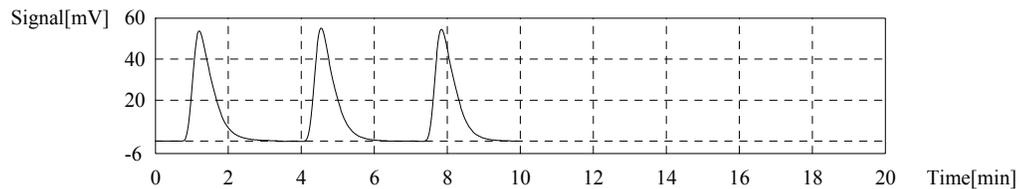
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:22.08mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	208.2	22.00mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:15:07 PM
2	208.7	22.06mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:19:25 PM
3	210.0	22.19mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:23:43 PM

Mean Area: 209.0
 Mean Conc.: 22.08mg/L



TOC-Control L Report

BF
2018_10_29_002.tlx

Sample

Sample Name: BGJ0819-MSD1
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

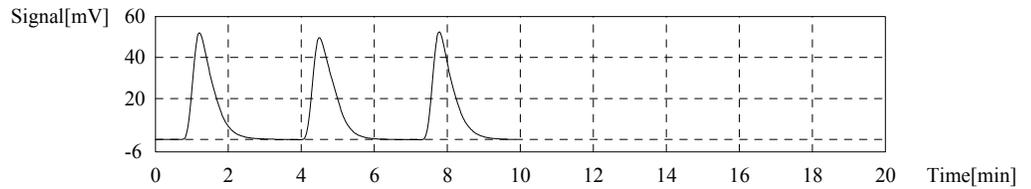
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:21.45mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	202.7	21.42mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:34:56 PM
2	203.0	21.45mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:39:13 PM
3	203.3	21.49mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:43:30 PM

Mean Area 203.0
Mean Conc. 21.45mg/L



Sample

Sample Name: 18J0334-45 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

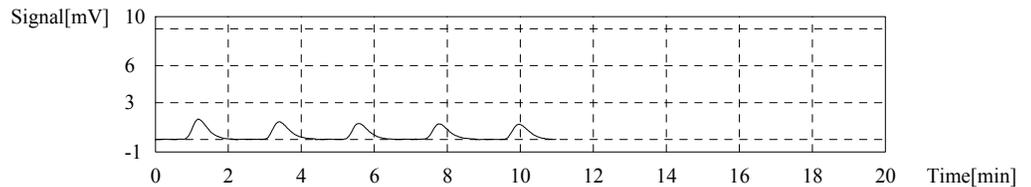
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4186mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.888	0.5166mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:53:38 PM
2	4.447	0.4700mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 1:57:24 PM
3	4.098	0.4331mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:01:12 PM
4	3.817	0.4034mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:04:58 PM
5	3.969	0.4195mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:08:46 PM

Mean Area 3.961
Mean Conc. 0.4186mg/L



TOC-Control L Report

BF
2018_10_29_002.tlx

Sample

Sample Name: 18J0334-47 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

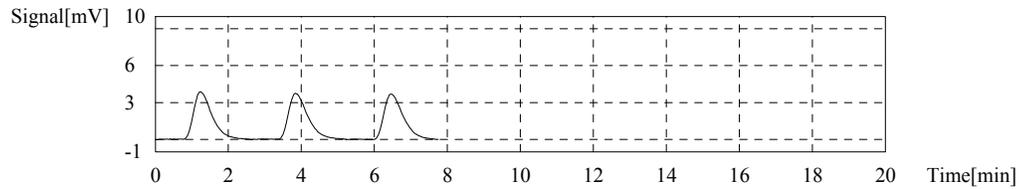
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.437mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	13.52	1.429mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:19:07 PM
2	13.61	1.438mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:22:55 PM
3	13.65	1.443mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:26:37 PM

Mean Area 13.59
Mean Conc. 1.437mg/L



Sample

Sample Name: 18J0334-49 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

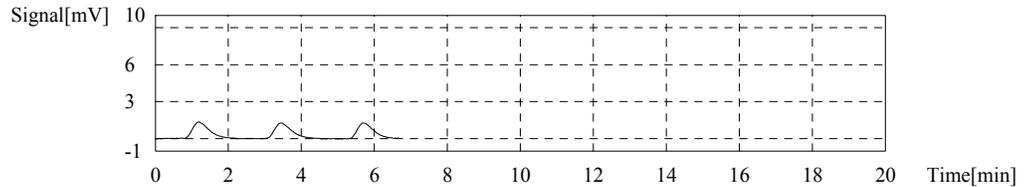
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4350mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.213	0.4452mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:36:54 PM
2	4.078	0.4310mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:40:42 PM
3	4.056	0.4287mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:44:23 PM

Mean Area 4.116
Mean Conc. 0.4350mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-51 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

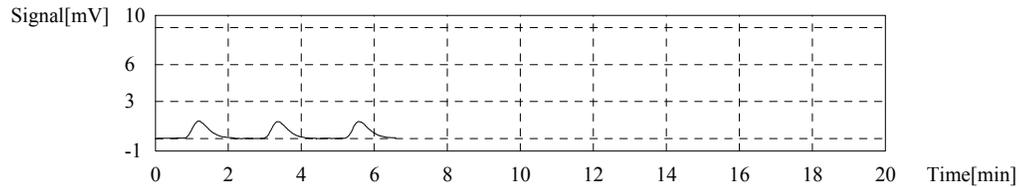
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4554mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.286	0.4530mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:54:18 PM
2	4.303	0.4548mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 2:58:09 PM
3	4.338	0.4585mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:01:53 PM

Mean Area 4.309
Mean Conc. 0.4554mg/L



Sample

Sample Name: 18J0334-53 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

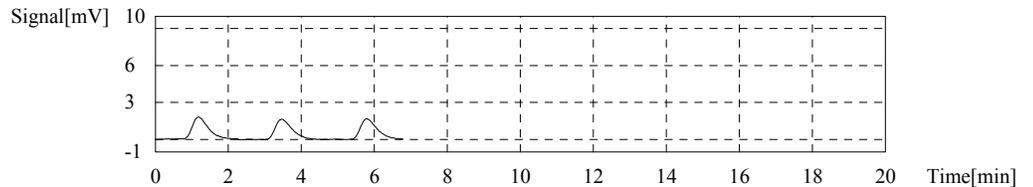
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5624mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.346	0.5650mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:11:54 PM
2	5.379	0.5685mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:15:45 PM
3	5.241	0.5539mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:19:23 PM

Mean Area 5.322
Mean Conc. 0.5624mg/L



Sample

TOC-Control L Report

2018_10_29_002.tlx

Sample Name: 18J0334-55 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

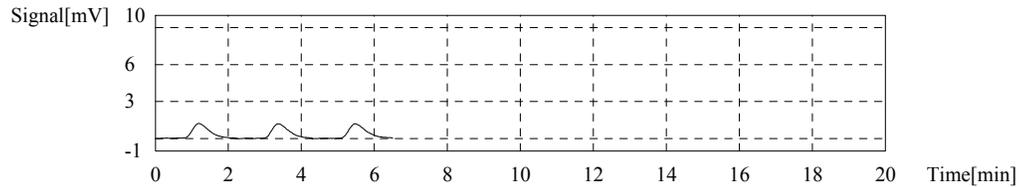
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3932mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.698	0.3908mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:29:19 PM
2	3.681	0.3890mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:33:01 PM
3	3.783	0.3998mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:36:55 PM

Mean Area 3.721
Mean Conc. 0.3932mg/L



Sample

Sample Name: 18J0334-57 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

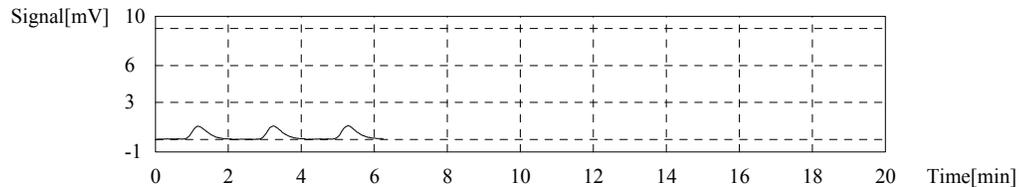
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3285mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.036	0.3209mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:46:43 PM
2	3.115	0.3292mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:50:30 PM
3	3.175	0.3355mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 3:54:22 PM

Mean Area 3.109
Mean Conc. 0.3285mg/L



Sample

TOC-Control L Report

2018_10_29_002.tlx

Sample Name: 18J0334-61 DOC
 Sample ID:
 Origin: NPOC 0.5 - 50 ppm.cal
 Status: Completed
 Chk. Result

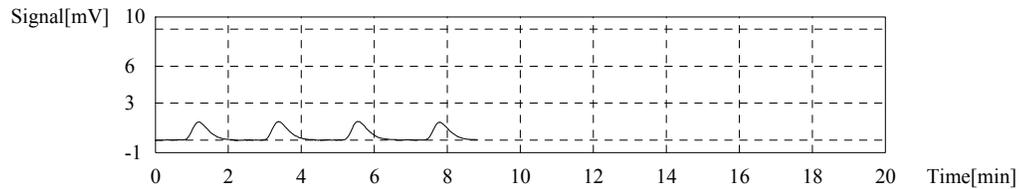
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4828mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.505	0.4761mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:04:18 PM
2	4.672	0.4938mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:08:05 PM
3	4.701	0.4968mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:11:55 PM
4	4.529	0.4786mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:15:41 PM

Mean Area 4.569
 Mean Conc. 0.4828mg/L



Control Sample

Sample Name: SEQ-CCV5
 Sample ID: CVS 20
 Method: CVS 20 ppm.tpl
 Status: Completed
 Chk. Result: Control value: 19.09 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

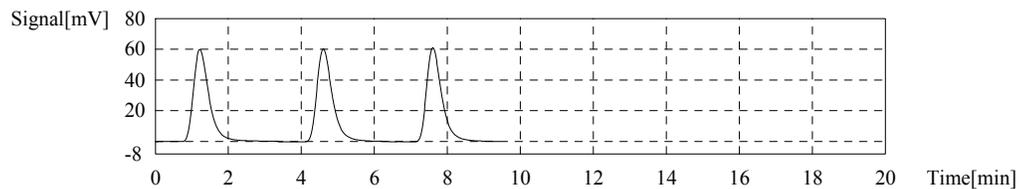
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.09ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	179.8	19.04ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:26:53 PM
2	180.9	19.15ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:30:53 PM
3	180.1	19.07ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:34:55 PM

Mean Area 180.3
 Mean Conc. 19.09ppm



TOC-Control L Report

BF
2018_10_29_002.tlx

Control Sample

Sample Name: SEQ-CCB5
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.2105 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

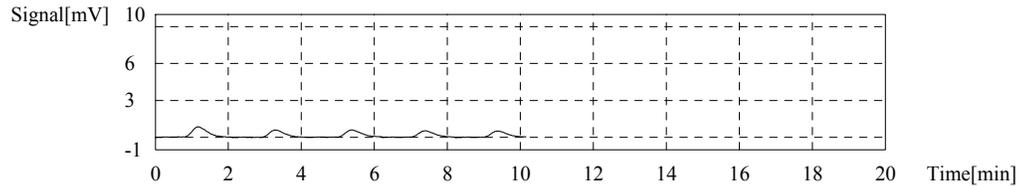
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2105mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.437	0.2916mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:44:56 PM
2	1.764	0.2205mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:48:24 PM
3	1.706	0.2144mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:51:50 PM
4	1.537	0.1965mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:55:18 PM
5	1.315	0.1731mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 4:58:46 PM

Mean Area: 1.669
Mean Conc.: 0.2105mg/L



Sample

Sample Name: 18J0334-63 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result:

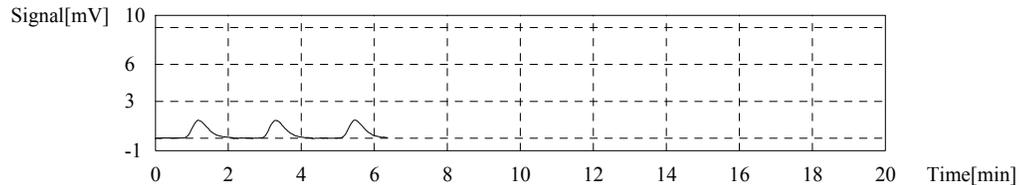
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4579mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.321	0.4567mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:08:47 PM
2	4.436	0.4688mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:12:37 PM
3	4.242	0.4483mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:16:18 PM

Mean Area: 4.333
Mean Conc.: 0.4579mg/L



TOC-Control L Report

BF
2018_10_29_002.tlx

Sample

Sample Name: 18J0334-65 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

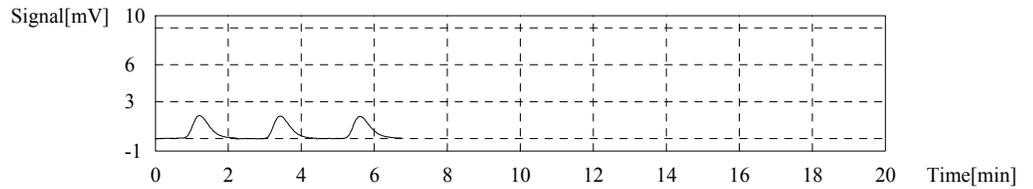
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6268mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.952	0.6290mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:26:16 PM
2	5.832	0.6163mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:30:01 PM
3	6.008	0.6349mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:33:58 PM

Mean Area 5.931
Mean Conc. 0.6268mg/L



Sample

Sample Name: 18J0334-67 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

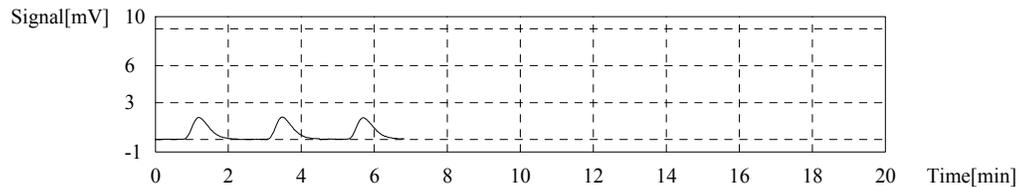
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6132mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.906	0.6242mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:44:01 PM
2	5.751	0.6078mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:47:44 PM
3	5.751	0.6078mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 5:51:37 PM

Mean Area 5.803
Mean Conc. 0.6132mg/L



TOC-Control L Report

BF
2018_10_29_002.tlx

Sample

Sample Name: 18J0334-69 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

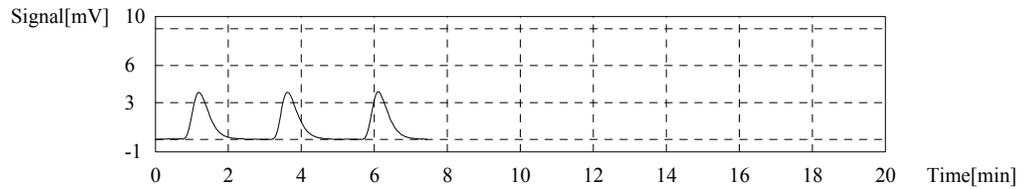
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.325mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	12.36	1.306mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:01:49 PM
2	12.65	1.337mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:05:39 PM
3	12.61	1.333mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:09:29 PM

Mean Area 12.54
Mean Conc. 1.325mg/L



Sample

Sample Name: 18J0334-71 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

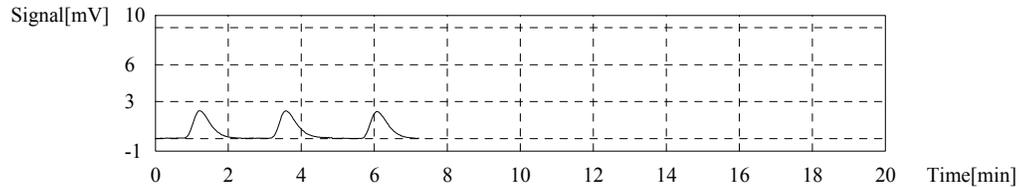
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.7786mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.300	0.7715mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:19:54 PM
2	7.463	0.7887mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:23:48 PM
3	7.338	0.7755mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:27:28 PM

Mean Area 7.367
Mean Conc. 0.7786mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-73 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

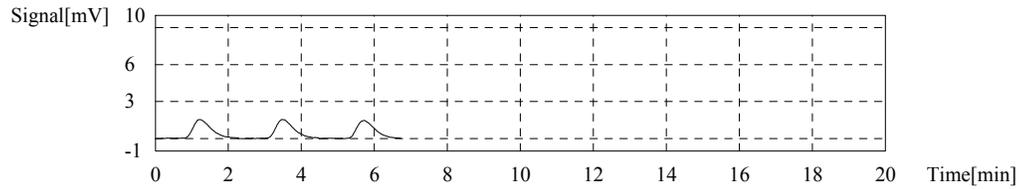
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5304mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.065	0.5353mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:37:30 PM
2	5.058	0.5345mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:41:14 PM
3	4.932	0.5212mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:45:02 PM

Mean Area 5.018
Mean Conc. 0.5304mg/L



Sample

Sample Name: 18J0334-75 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

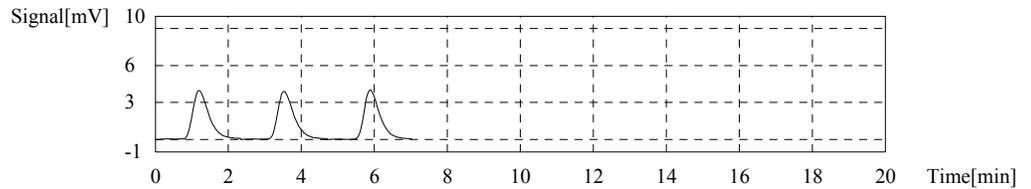
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.262mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	11.95	1.263mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:55:08 PM
2	11.94	1.262mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 6:58:57 PM
3	11.94	1.262mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:02:41 PM

Mean Area 11.94
Mean Conc. 1.262mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-77 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

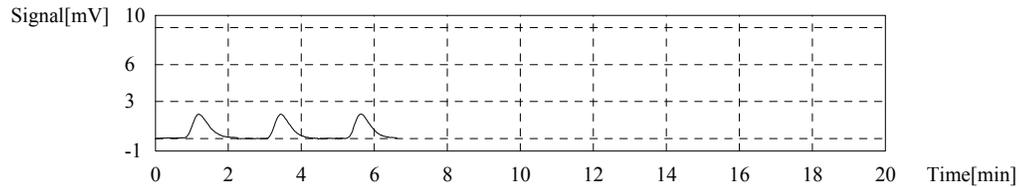
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6324mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.985	0.6325mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:12:42 PM
2	6.010	0.6352mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:16:26 PM
3	5.958	0.6297mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:20:11 PM

Mean Area 5.984
Mean Conc. 0.6324mg/L



Sample

Sample Name: 18J0334-79 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

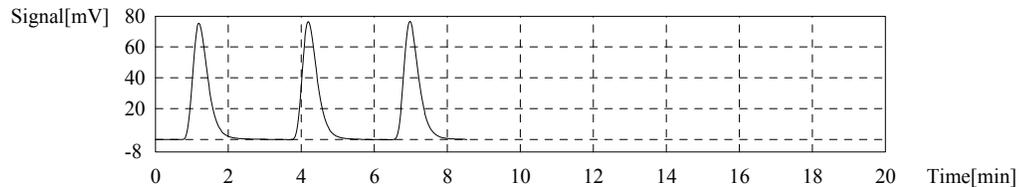
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:23.82mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	224.6	23.74mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:30:58 PM
2	225.6	23.84mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:34:45 PM
3	225.9	23.87mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:38:30 PM

Mean Area 225.4
Mean Conc. 23.82mg/L



Sample

TOC-Control L Report

BF
2018_10_29_002.tlx

Sample Name: 18J0334-81 DOC
Sample ID:
Origin: NPOC 0.5 - 50 ppm.cal
Status: Completed
Chk. Result

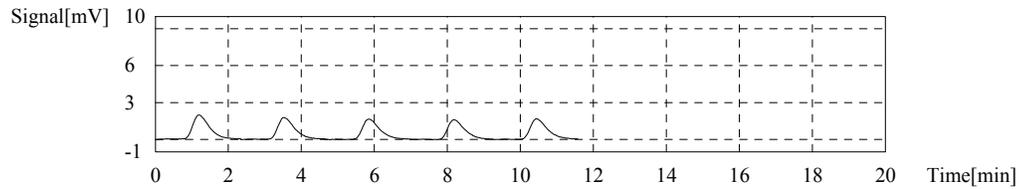
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5634mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.300	0.6658mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:48:39 PM
2	5.579	0.5896mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:52:25 PM
3	5.426	0.5734mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:56:13 PM
4	5.220	0.5517mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 7:59:56 PM
5	5.346	0.5650mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:03:46 PM

Mean Area 5.331
Mean Conc. 0.5634mg/L



Control Sample

Sample Name: SEQ-CCV6
Sample ID: CVS 20
Method: CVS 20 ppm.tpl
Status: Completed
Chk. Result: Control value: 19.13 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

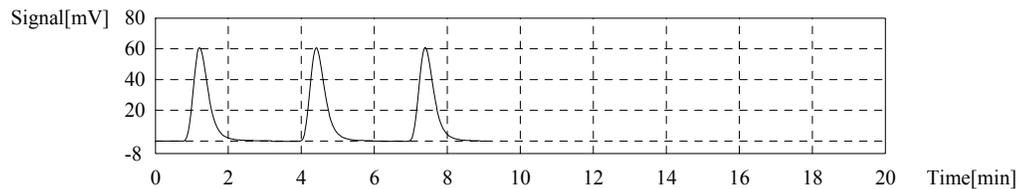
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:19.13ppm

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	180.8	19.14ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:14:47 PM
2	180.3	19.09ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:18:46 PM
3	181.0	19.16ppm	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:22:38 PM

Mean Area 180.7
Mean Conc. 19.13ppm



TOC-Control L Report

BF
2018_10_29_002.tlx

Control Sample

Sample Name: SEQ-CCB6
Sample ID:
Method: ICB CCB.tpl
Status: Completed
Chk. Result: Control value: 0.2019 / Control within range!

(Zero shift setting of cal. curve has been ignored in conc. calculation)

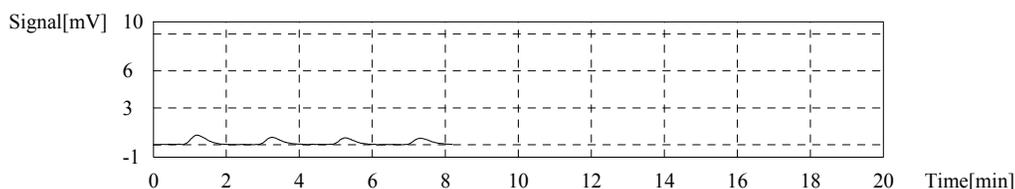
Type	Anal.	Manual Dilution	Result
Control	NPOC	1.000	NPOC:0.2019mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.226	0.2693mg/L	100uL	1.000	E	NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:32:36 PM
2	1.670	0.2106mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:36:03 PM
3	1.495	0.1921mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:39:34 PM
4	1.598	0.2030mg/L	100uL	1.000		NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal	10/30/2018 8:43:06 PM

Mean Area: 1.588
Mean Conc.: 0.2019mg/L



Date of Creation 10/29/2018 7:43:01 PM
 User BF
 System TOC-L SUSPENDED SOLIDS

Cal. Curve

Sample Name: SEQ-CAL
 Sample ID: Curve
 Object ID: 0L-10000101463-10101000-133F02527CC3-0001
 Cal. Curve: NPOC 0.5 - 50 ppm.2018_10_29_17_09_16.cal
 Status: Completed
 Comment:

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.312	100uL	1.000	*****	E	10/29/2018 5:16:56 PM
2	0.8324	100uL	1.000	*****		10/29/2018 5:20:15 PM
3	0.9657	100uL	1.000	*****		10/29/2018 5:23:45 PM
4	0.9431	100uL	1.000	*****		10/29/2018 5:27:19 PM

Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 0.9137
 SD Area 0.07134
 CV Area 7.81%
 Vial 0

Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	5.069	100uL	10.00	*****		10/29/2018 5:37:58 PM
2	5.147	100uL	10.00	*****		10/29/2018 5:42:48 PM
3	4.983	100uL	10.00	*****		10/29/2018 5:47:42 PM

Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 5.066
 SD Area 0.08203
 CV Area 1.62%
 Vial 1

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	10.35	100uL	5.000	*****	E	10/29/2018 5:56:53 PM
2	9.744	100uL	5.000	*****		10/29/2018 6:00:34 PM
3	10.05	100uL	5.000	*****		10/29/2018 6:04:22 PM
4	9.968	100uL	5.000	*****		10/29/2018 6:08:05 PM

Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 9.921
 SD Area 0.1584
 CV Area 1.60%
 Vial 1

Conc: 2.500mg/L

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No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	23.44	100uL	2.000	*****		10/29/2018 6:17:33 PM
2	23.28	100uL	2.000	*****		10/29/2018 6:21:26 PM
3	23.54	100uL	2.000	*****		10/29/2018 6:25:31 PM

Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 23.42
 SD Area 0.1311
 CV Area 0.56%
 Vial 1

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	45.35	100uL	1.000	*****		10/29/2018 6:34:36 PM
2	45.19	100uL	1.000	*****		10/29/2018 6:38:42 PM
3	45.29	100uL	1.000	*****		10/29/2018 6:42:45 PM

Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 45.28
 SD Area 0.08083
 CV Area 0.18%
 Vial 1

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	93.16	100uL	5.000	*****		10/29/2018 6:54:48 PM
2	93.43	100uL	5.000	*****		10/29/2018 6:59:20 PM
3	93.01	100uL	5.000	*****		10/29/2018 7:03:50 PM

Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 93.20
 SD Area 0.2128
 CV Area 0.23%
 Vial 2

Conc: 25.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	234.8	100uL	2.000	*****		10/29/2018 7:14:08 PM
2	236.3	100uL	2.000	*****		10/29/2018 7:18:42 PM
3	235.7	100uL	2.000	*****		10/29/2018 7:23:17 PM

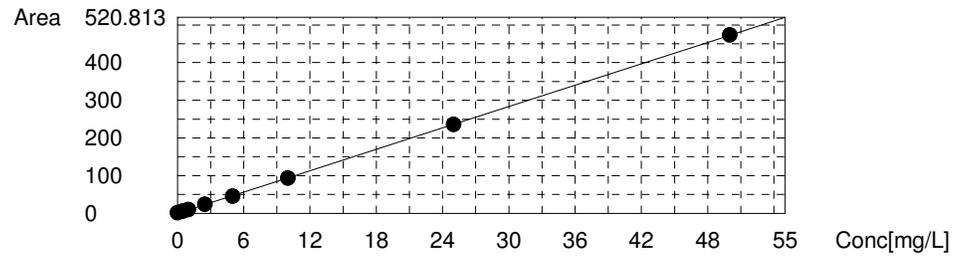
Acid Add. 1.500%
 Sparge Gas Flow 80ml
 Sp. Time 90.00sec
 Mean Area 235.6
 SD Area 0.7550
 CV Area 0.32%
 Vial 2

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	475.4	100uL	1.000	*****		10/29/2018 7:33:29 PM
2	471.5	100uL	1.000	*****		10/29/2018 7:38:13 PM
3	473.5	100uL	1.000	*****		10/29/2018 7:43:01 PM

Acid Add. 1.500%
Sparge Gas Flow 80ml
Sp. Time 90.00sec
Mean Area 473.5
SD Area 1.950
CV Area 0.41%
Vial 2

Slope: 9.462
Intercept 0.000
 r^2 1.0000
 r 1.0000
Zero Shift Yes



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INSTRUMENT BLANKS
SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Instrument ID: TOC-LCSH

Calibration: BJ00092

Sequence: SGJ0495

Date Analyzed: 10/29/18 20:19

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SGJ0495-ICB1	Total Organic Carbon	0.27	0.5	0.50	mg/L	
SGJ0495-ICB1	Dissolved Organic Carbon (dissolved)	0.27	0.5	0.50	mg/L	
SGJ0495-CCB1	Total Organic Carbon	0.23	0.5	0.50	mg/L	
SGJ0495-CCB1	Dissolved Organic Carbon (dissolved)	0.23	0.5	0.50	mg/L	





INSTRUMENT BLANKS
SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Instrument ID: TOC-LCSH

Calibration: BJ00092

Sequence: SGL0349

Date Analyzed: 12/24/18 15:08

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SGL0349-ICB1	Total Organic Carbon	0.14	0.5	0.50	mg/L	
SGL0349-CCB1	Total Organic Carbon	0.17	0.5	0.50	mg/L	
SGL0349-CCB2	Total Organic Carbon	0.19	0.5	0.50	mg/L	
SGL0349-CCB3	Total Organic Carbon	0.17	0.5	0.50	mg/L	
SGL0349-CCB4	Total Organic Carbon	0.19	0.5	0.50	mg/L	
SGL0349-CCB5	Total Organic Carbon	0.16	0.5	0.50	mg/L	
SGL0349-CCB6	Total Organic Carbon	0.17	0.5	0.50	mg/L	

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INSTRUMENT BLANKS
SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Instrument ID: TOC-LCSH

Calibration: BJ00092

Sequence: SGL0367

Date Analyzed: 12/26/18 13:43

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C
SGL0367-ICB1	Total Organic Carbon	0.15	0.5	0.50	mg/L	
SGL0367-ICB1	Dissolved Organic Carbon (dissolved)	0.15	0.5	0.50	mg/L	
SGL0367-CCB1	Total Organic Carbon	0.19	0.5	0.50	mg/L	
SGL0367-CCB1	Dissolved Organic Carbon (dissolved)	0.19	0.5	0.50	mg/L	
SGL0367-CCB2	Total Organic Carbon	0.16	0.5	0.50	mg/L	
SGL0367-CCB2	Dissolved Organic Carbon (dissolved)	0.16	0.5	0.50	mg/L	

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INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Instrument ID: TOC-LCSH

Calibration: BJ00092

Control Limit: +/- 10.00%

Sequence: SGJ0495

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SGJ0495-ICV1	Dissolved Organic Carbon	20.000	19.28	96.4	mg/L	SM 5310 B-00
	Total Organic Carbon	20.000	19.28	96.4	mg/L	SM 5310 B-00
SGJ0495-CCV1	Dissolved Organic Carbon	20.000	19.01	95.1	mg/L	SM 5310 B-00
	Total Organic Carbon	20.000	19.01	95.1	mg/L	SM 5310 B-00

* Values outside of QC limits





INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Instrument ID: TOC-LCSH

Calibration: BJ00092

Control Limit: +/- 10.00%

Sequence: SGL0349

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SGL0349-ICV1	Total Organic Carbon	20.000	19.04	95.2	mg/L	SM 5310 B-00
SGL0349-CCV1	Total Organic Carbon	20.000	19.08	95.4	mg/L	SM 5310 B-00
SGL0349-CCV2	Total Organic Carbon	20.000	18.99	95.0	mg/L	SM 5310 B-00
SGL0349-CCV3	Total Organic Carbon	20.000	19.09	95.5	mg/L	SM 5310 B-00
SGL0349-CCV4	Total Organic Carbon	20.000	19.13	95.7	mg/L	SM 5310 B-00
SGL0349-CCV5	Total Organic Carbon	20.000	18.97	94.9	mg/L	SM 5310 B-00
SGL0349-CCV6	Total Organic Carbon	20.000	18.92	94.6	mg/L	SM 5310 B-00

* Values outside of QC limits





INITIAL AND CONTINUING CALIBRATION CHECK

SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Instrument ID: TOC-LCSH

Calibration: BJ00092

Control Limit: +/- 10.00%

Sequence: SGL0367

Lab Sample ID	Analyte	True	Found	%R	Units	Method
SGL0367-ICV1	Dissolved Organic Carbon	20.000	18.86	94.3	mg/L	SM 5310 B-00
	Total Organic Carbon	20.000	18.86	94.3	mg/L	SM 5310 B-00
SGL0367-CCV1	Dissolved Organic Carbon	20.000	18.97	94.9	mg/L	SM 5310 B-00
	Total Organic Carbon	20.000	18.97	94.9	mg/L	SM 5310 B-00
SGL0367-CCV2	Dissolved Organic Carbon	20.000	18.92	94.6	mg/L	SM 5310 B-00
	Total Organic Carbon	20.000	18.92	94.6	mg/L	SM 5310 B-00

* Values outside of QC limits





HOLDING TIME SUMMARY

Analysis: SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PDI-WS-T04-1812 18L0426-01	12/01/18 13:10	12/21/18 15:30	12/24/18 10:52	22	28	12/25/18 12:40	24	28	
PDI-WS-T02-1811 18L0426-02	11/30/18 15:06	12/21/18 15:30	12/24/18 10:52	23	28	12/25/18 13:55	25	28	
PDI-WS-T06-1811 18L0426-03	11/30/18 16:26	12/21/18 15:30	12/24/18 10:52	23	28	12/25/18 14:13	25	28	
PDI-WS-T04-1812 18L0426-04	12/01/18 13:10	12/21/18 15:30	12/24/18 11:50	22	28	12/26/18 18:42	25	28	
PDI-WS-T02-1811 18L0426-05	11/30/18 15:06	12/21/18 15:30	12/24/18 11:50	23	28	12/26/18 19:55	26	28	
PDI-WS-T06-1811 18L0426-06	11/30/18 16:26	12/21/18 15:30	12/24/18 11:50	23	28	12/26/18 20:14	26	28	
Duplicate BGL0668-DUP3	12/01/18 13:10	12/21/18 15:30	12/24/18 10:52	22	28	12/25/18 12:58	24	28	
Matrix Spike BGL0668-MS3	12/01/18 13:10	12/21/18 15:30	12/24/18 10:52	22	28	12/25/18 13:17	24	28	
Matrix Spike Dup BGL0668-MSD3	12/01/18 13:10	12/21/18 15:30	12/24/18 10:52	22	28	12/25/18 13:36	24	28	
Duplicate BGL0673-DUP1	12/01/18 13:10	12/21/18 15:30	12/24/18 11:50	22	28	12/26/18 19:00	25	28	
Matrix Spike BGL0673-MS1	12/01/18 13:10	12/21/18 15:30	12/24/18 11:50	22	28	12/26/18 19:18	25	28	
Matrix Spike Dup BGL0673-MSD1	12/01/18 13:10	12/21/18 15:30	12/24/18 11:50	22	28	12/26/18 19:37	25	28	

* Indicates hold time exceedance.





METHOD DETECTION AND REPORTING LIMITS

SM 5310 B-00

Laboratory: Analytical Resources, Inc.

SDG: 18L0426

Client: Test America

Project: Portland Harbor Pre-Remedial Design

Matrix: Water

Instrument: TOC-LCSH

Analyte	MDL	RL	Units
Dissolved Organic Carbon (dissolved)	0.50	0.50	mg/L
Total Organic Carbon	0.50	0.50	mg/L





580-82281 Chain of Custody

SURFACE WATER

CHAIN OF CUSTODY

TestAmerica-Seattle 5755-8th-Street-East Tacoma, WA 98424-1317 Ph: 253-922-2310 F 253-922-5047		Client Contact 1111 3rd Ave Suite 1600 Seattle, WA 98101 Phone: (206) 438-2700 Fax: 1+(866) 495-5288 Project Name: Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling Portland, OR Project #: 60566335 Study: Surface Water		Project Contact: Amy Dahl / Chebevy Cook Tel: (206) 438-2261 / (206) 438-2010 Analysis Turnaround Time Calendar (C) or Work Days (W) 21 days <input type="checkbox"/> Other		Site Contact: Jennifer Ray / Michaela McCoog Laboratory Contact: Elaine-Walker Date: 12/03/2018 Carrier: TestAmerica Courier COC No: 1 of 2 COCs		
Sample Identification	Sample Date	Sample Time	Matrix	QC Sample	Sampler's Initials	Total No. of Cont.	Fraction	Sample Specific Notes:
PDI-WS-T 04 18 12	12/1/2018	13:10	W		ED	8	Ethbenzene, EPA 8260C	
PDI-WS-T 04 18 12	12/1/2018	11:43	W		ED	3	Metals (Total), EPA Method 6020B-LL	
PDI-WS-T 04 18 12	12/1/2018	12:37	W		ED	3	Metals (Dissolved) + Hardness as CaCO3	
PDI-WS-T 04 18 12	12/1/2018	10:01	W		ED	3	Total Organic Carbon, SM5310B	
PDI-WS-T 02 18 11	11/30/2018	15:06	W		ED	8	Total Dissolved Solids, Standard Method 2540C	
PDI-WS-T 02 18 11	11/30/2018	13:21	W		ED	3	Total Suspended Solids, Standard Method 2540D	
PDI-WS-T 02 18 11	11/30/2018	14:32	W		ED	3	Metals (Total), EPA Method 6020B-LL	
PDI-WS-T 02 18 11	11/30/2018	12:04	W		ED	3	MCP, EPA Method 815A	
PDI-WS-T 06 18 11	11/30/2018	16:26	W		BW	8	Ethbenzene, EPA 8260C	
PDI-WS-T 06 18 11	11/30/2018	14:50	W		BW	3	Metals (Dissolved) + Hardness as CaCO3	
PDI-WS-T 06 18 11	11/30/2018	13:40	W		BW	3	Total Organic Carbon, SM5310B	
PDI-WS-T 06 18 11	11/30/2018	16:20	W		BW	3	Total Dissolved Solids, Standard Method 2540C	
Container Type: WING=Wide Mouth Glass Jar, P=HDPE, PP=Polypropylene, AG=amber glass, G=glass, RC=Resin Column Preservative: HCl = Hydrochloric Acid, H3PO4 = Phosphoric Acid, HNO3 = Nitric Acid Fraction: D = Dissolved, PRT = Particulate, T = Total (unfiltered)							Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For 12 Months	
Relinquished by: <i>R2</i>	Company: <i>AECOM</i>	Date Time: <i>12/13/18 1107</i>	Received by: <i>[Signature]</i>	Company: <i>M.E</i>	Date Time: <i>12-3-18 1107</i>			
Relinquished by: <i>[Signature]</i>	Company: <i>M.E</i>	Date Time: <i>12/3/18 1230</i>	Received by: <i>[Signature]</i>	Company: <i>TRC</i>	Date Time: <i>12/3/18 1230</i>			
Relinquished by: <i>[Signature]</i>	Company:	Date Time:	Received by:	Company:	Date Time:			

Special Instructions/QC Requirements & Comments:

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SURFACE WATER CHAIN OF CUSTODY

TestAmerica-Seattle 5755-8th-Street-East Tacoma, WA 98424-1317 P#: 253-922-2310 Fax 253-922-5044 Client Contact AECOM 11111 3rd Ave Suite 1600 Seattle, WA 98101 Phone: (206) 438-2700 Fax: 1-(866) 995-5288 Project Name: Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling Portland, OR Project #: 60566335 Study: Surface Water	Project Contact: Amy Dahl / Chelsey Cook Tel: (206) 438-2261 / (206) 438-2010 Analysis Turnaround Time Calendar (C) or Work Days (W) 21 days <input type="checkbox"/> Other	Site Contact: Jennifer Ray / Michaela McCoog Date: 12/03/2018 Carrier: TestAmerica Courier Laboratory Contact: Elaine Walker Date: 12/03/2018 Carrier: TestAmerica Courier	COC No: 2 of 2 COCs
Sample Identification	Sample Date Sample Time Matrix QC Sample Sampler's Initials Total No. of Cont.	Metals (Total), EPA Method 6020B-LI Metals (Dissolved) + Hardness as CaCO ₃ EPA Method 6020B-LI Dissolved Organic Carbon, SMS310B Total Organic Carbon, SMS310B Total Dissolved Solids, Standard Method 2540C Total Suspended Solids, Standard Method 2540D MCP, EPA Method 8151A Ethylbenzene, EPA 8260C Fraction	Sample Specific Notes:
Trip Blank T 02 Trip Blank T 04 Trip Blank T 06	W W W	3 3 3	
Container Type: WMG-Wide Mouth Glass Jar, P-HDPE, PP-Polypropylene, AG-amber glass, G-glass, RC-Resin Column Preservative: HCl = Hydrochloric Acid, H3PO4 = Phosphoric Acid, HNO3 = Nitric Acid Fraction: D = Dissolved, PRT = Particulate, T = Total (unfiltered)			
Special Instructions/QC Requirements & Comments:			
Relinquished by: 	Company: AECOM Date Time: 12/3/18 1107	Received by: 	Company: M.C. Date Time: 12-3-18 / 1107
Relinquished by: 	Company: M.E. Date Time: 12/3/18 1230	Received by: 	Company: MRET Date Time: 12/3/18 1230
Relinquished by: 	Company: Date Time:	Received by: 	Company: Date Time:





580-82281 Chain of Custody

TestAmerica-Seattle		SURFACE WATER										580-82281 Chain of Custody					
5755-8th-Street-East Tacoma, WA 98424-1317 Ph: 253-922-2310 F 253-922-5047		CHAIN OF CUSTODY															
Client Contact		Project Contact: Amy Dahl / Chelsey Cook Tel: (206) 438-2261 / (206) 438-2010				Site Contact: Jennifer Ray / Michaela McCoog Laboratory Contact: Elaine Walker				Date: 12/03/2018		COC No: _____ of _____ COCs					
AECOM 1111 3rd Ave Suite 1600 Seattle, WA 98101 Phone: (206) 438-2700 Fax: (866) 495-5288 Project Name: Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling Portland, OR Project #: 60566335 Study: Surface Water		Analysis Turnaround Time Calendar (C) or Work Days (W) <input type="checkbox"/> 21 days <input type="checkbox"/> Other _____								Carrier: TestAmerica Courier							
Sample Identification		Sample Date	Sample Time	Matrix	QC Sample	Sampler's Initials	Total No. of Cont.	Fraction	PNHydrozenc, EPA 8260C	MCPPE, EPA Method 8151A	MNHM (Total), EPA Method 6020B-LL	Total Suspended Solids, Standard Method 2540D	Total Dissolved Solids, Standard Method 2540C	Total Organic Carbon, SM5310B	Metals (Dissolved) + Hardness as CaCO3, EPA Method 6020B-LL	Dissolved Organic Carbon, SM5310B	Sample Specific Notes:
PDI-WS-T 04 18 12		12/1/2018	13:10	W		ED	8		2	1	1	1	1	1	1		
PDI-WS-T 04 N 18 12		12/1/2018	11:43	W		ED	3	3									
PDI-WS-T 04 E 18 12		12/1/2018	12:37	W		ED	3	3									
PDI-WS-T 04 W 18 12		12/1/2018	10:01	W		ED	3	3									
PDI-WS-T 02 18 11		11/30/2018	15:06	W		ED	8		2	1	1	1	1	1	1		
PDI-WS-T 02 N 18 11		11/30/2018	13:21	W		ED	3	3									
PDI-WS-T 02 E 18 11		11/30/2018	14:52	W		ED	3	3									
PDI-WS-T 02 W 18 11		11/30/2018	12:04	W		ED	3	3									
PDI-WS-T 06 18 11		11/30/2018	16:26	W		BW	8		2	1	1	1	1	1	1		
PDI-WS-T 06 N 18 11		11/30/2018	14:50	W		BW	3	3									
PDI-WS-T 06 E 18 11		11/30/2018	13:40	W		BW	3	3									
PDI-WS-T 06 W 18 11		11/30/2018	16:20	W		BW	3	3									
Container Type: WMG=Wide Mouth Glass Jar, P=HDPE, PP=Polypropylene, AG=amber glass, G=glass, RC=Resin Column																	
Preservative: HCl = Hydrochloric Acid, H3PO4 = Phosphoric Acid, HNO3 = Nitric Acid																	
Fraction: D = Dissolved, PRT = Particulate, T = Total (unfiltered)																	
Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For 12 Months																	
Special Instructions/QC Requirements & Comments:																	
11, 0.3																	
Relinquished by:	Company: AECOM	Date/Time: 12/3/18 1107	Received by:										Company: M.E	Date/Time: 12-3-18 / 1107			
Relinquished by:	Company: M.E	Date/Time: 12/3/18 1230	Received by:										Company: JAROK	Date/Time: 12/3/18 1230			
Relinquished by:	Company: JAROK	Date/Time: 12/4/18 1700	Received by:										Company: JASE2	Date/Time: 12-4-18 0930			

4:0.1

TestAmerica-Seattle 5755-8th-Street-East Tacoma, WA 98424-1317 Ph: 253-922-2310 Fax 253-922-504		SURFACE WATER CHAIN OF CUSTODY										COC No. _____ of _____ COCs					
Client Contact		Project Contact: Amy Dahl / Chelsey Cook Tel: (206) 438-2261 / (206) 438-2010			Site Contact: Jennifer Ray / Michaela McCoog			Date: 12/03/2018		Carrier: TestAmerica Courier							
1111 3rd Ave Suite 1600 Seattle, WA 98101 Phone: (206) 438-2700 Fax: 1+(866) 495-5288 Project Name: Portland Harbor Pre-Remedial Design Investigation and Baseline Sampling		Analysis Turnaround Time Calendar (C) or Work Days (W) <input type="checkbox"/> 21 days <input type="checkbox"/> Other _____			Laboratory Contact: Elaine-Walker												
Portland, OR Project #: 60566335 Study: Surface Water																	
Sample Identification		Sample Date	Sample Time	Matrix	QC Sample	Sampler's Initials	Total No. of Cont.	Fraction	Trihalomethanes, EPA 8260C	MCPP, EPA Method 815A	Metals (Total), EPA Method 6020B-LL	Total Suspended Solids, Standard Method 2540D	Total Dissolved Solids, Standard Method 2540C	Total Organic Carbon, SM5310B	Metals (Dissolved) + Hardness as CaCO3, EPA Method 6020B-LL	Dissolved Organic Carbon, SM5310B	Sample Specific Notes:
Trip Blank	T 02			W			3		3								
Trip Blank	T 04			W			3		3								
Trip Blank	T 06			W			3		3								
Container Type: WMG=Wide Mouth Glass Jar, P=HDPE, PP=Polypropylene, AG=amber glass, G=glass, RC=Resin Column																	
Preservative: HCl = Hydrochloric Acid, H3PO4 = Phosphoric Acid, HNO3 = Nitric Acid																	
Fraction: D = Dissolved, PRT = Particulate, T = Total (unfiltered)																	
Sample Disposal <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For 12 Months																	
Special Instructions/QC Requirements & Comments:																	
Relinquished by:		Company: AECOM			Date/Time: 12/3/18 1107			Received by:			Company: M.E			Date/Time: 12-3-18/1107			
Relinquished by:		Company: M.E			Date/Time: 12/3/18 1230			Received by:			Company: UKR/K			Date/Time: 12/3/18 1230			
Relinquished by:		Company: TAPOR			Date/Time: 12/4/18 1700			Received by:			Company: TASE2			Date/Time: 12-5-18 0930			



Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-82281-1

Login Number: 82281

List Number: 1

Creator: O'Connell, Jason I

List Source: TestAmerica Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	