N90845.AR.001887
NWIRP BETHPAGE
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VALIDATED DATA PACKAGE, SI2994, NWIRP BETHPAGE NY
6/16/2015
KATAHDIN ANALYTICAL SERVICES

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME Katahdin Analytical Services
CITY/STATE Scarborough, ME
CASE NO. WE15 SDG NO. SI2994 SDG NOS. TO FOLLOW
CONTRACT NO.
SOW NO.

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - ILM05.4, Exhibit B Section 2.6)

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
1. Cover Page	0000003	0000004	✓	
2. SDG Narrative	0000005	0000006	✓	
3. Sample Log-In Sheet (DC-1)	—	—	✓	
4. Inventory Sheet (DC-2))	0000001	0000002	✓	
5. Traffic Report/Chain of Custody Record(s)	0000008	0000008	✓	
Inorganic Analysis				
6. Data Sheet (Form I-IN)	0000017	0000021	✓	
7. Initial & Continuing Calibration Verification (Form IIA-IN)	NA	NA	NA	
8. CRQL Standard(Form IIB-IN)	↓	↓	↓	
9. Blanks (Form III-IN)	0000011	0000013	✓	
10. ICP-AES Interference Check Sample (Form IVA-IN)	NA	NA	NA	
11. ICP-MS Interference Check Sample(Form IVB-IN)	↓	↓	↓	
12. Matrix Spike Sample Recovery(Form VA-IN)	0000016	0000016	✓	
13. Post-Digestion Spike Sample Recovery(Form VB-IN)	NA	NA	NA	
14. Duplicates (Form VI-IN)	0000015	0000015	✓	
15. Laboratory Control Sample(Form VII-IN)	0000014	0000014	✓	
16. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	NA	NA	NA	
17. Method Detection Limits (Annually) (Form IX-IN)				
18. ICP-AES Interelement Correction Factors (Quarterly) (Form XA-IN)				
19. ICP-AES Interelement Correction Factors (Quarterly) (Form XB-IN)				
20. ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form XI-IN)				
21. Preparation Log (Form XII-IN)				
22. Analysis Run Log (Form XIII-IN)	↓	↓	↓	

FORM DC-2-2 M&E DAS

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

	PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
23. ICP-MS Tune (Form XIV-IN)	NA	NA	NA	
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	↓	↓	↓	
25. ~~ICP-AES~~ Raw Data – Wet Chemistry	0000023	0000083	✓	
26. ICP-MS Raw Data	NA	NA	NA	
27. Mercury Raw Data				
28. Cyanide Raw Data				
29. Preparation Logs Raw Data (Wet Chemistry)				
30. Percent Solids Determination Log				
31. USEPA Shipping/Receiving Documents				
Airbill (No. of Shipments 1)				
Sample Tags				
Sample Log-In Sheet (Lab)				
32. Misc. Shipping/Receiving Records (list all individual records)				
Telephone Logs				
Sample Receipt Condition Report	0000007	0000007	✓	
	NA	NA	NA	
33. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)	↓	↓	↓	
Internal Chain of Custody	0000010	0000010	✓	
Login Chain of Custody Report	0000009	0000005	✓	
34. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records	NA	NA	NA	
Analysis Records				
Description Duplicate Precision Form				
35. Other Records (describe or list)				
Telephone Communications Log				
DAS Specifications				

36. Comments

Completed by:
(CLP Lab) Leslie Dimond — Leslie Dimond QAO — 060415
(Signature) (Print Name & Title) (Date)

Audited by:
(USEPA) _____ _____ _____
(Signature) (Print Name & Title) (Date)

FORM DC-2-2 M&E DAS

ENSAFE
NAVY CLEAN WE15-03-06
NWIRP BETHPAGE, NY
SI2994

KATAHDIN ANALYTICAL SERVICES, LLC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

SAMPLE DATA PACKAGE

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
ENSAFE
NAVY CLEAN WE15-03-06 NWIRP BETHPAGE, NY
SI2994

Sample Receipt

The following samples were received on May 08, 2015 and were logged in under Katahdin Analytical Services work order number SI2994 for a hardcopy due date of May 27, 2015.

KATAHDIN Sample No.	AECOM Sample Identification
SI2994-1	BP0W5-6-EB-050515
SI2994-2	BP0W5-6-SOIL-050515-603-605
SI2994-3	BP0W5-6-FD-SOIL-050515-603-605

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

One of the client IDs on the Chain of Custody exceeds the 19-character limit of the Katahdin Analytical Information Management System. Therefore, the characters "-5" and "-050515" in the client ID for sample SI2993-1 were omitted on all forms.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Ms. Jennifer Obrin.** This narrative is an integral part of the Report of Analysis.

Wet Chemistry Analysis

The samples of Work Order SI2994 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total organic carbon in soil were performed according to "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA,III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Analyses for total organic carbon in water and total solids were performed according to "Standard Methods for the Examination of Water and Wastewater", 15th, 16th, 17th, 18th, 19th, and 20th editions, 1980, 1985, 1989, 1992, 1995, 1999. APHA-AWWA-WPCF.

All Wet Chemistry results were evaluated to Katahdin Analytical Services' Method Detection Limits (MDL). Measured concentrations that fall between the MDL and Katahdin's Limit of Quantitation (LOQ) are flagged "J". Measured concentrations that are below the MDL are flagged "U" and reported as "U LOD", where "LOD" is the numerical value of the Limit of Detection.

All analyses were performed within analytical holding times. All quality control criteria were met.

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 above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

Leslie Dimond

Leslie Dimond
Quality Assurance Officer

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Bethpage	KAS PM: JO AP	Sampled By: Client
Project:	KIMS Entry By: AP JO	Delivered By: Fedex
KAS Work Order#: S12994	KIMS Review By:	Received By: SC
SDG #:	Cooler: 1 of 1	Date/Time Rec.: 5/8/15 / 0910

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 1.9
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals (except Hg) analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) or insufficient ice may not meet certain regulatory requirements and may invalidate certain data.
If yes, was there sufficient ice to meet temperature requirements?	✓				
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?	✓				Note: No cooling process required for metals (except Hg) analysis.
6. Volatiles:					
Aqueous: No bubble larger than a pea?				✓	
Soil/Sediment:					
Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
D.I. Water - Received within 48 hour HT?				✓	
Air: Refer to KAS COC for canister/flow controller requirements.	√ if air included			✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	✓				
Sulfide - >9				✓	
Cyanide – pH >12				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments.

SI 2994

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.: | Page 1 of 1

Project Name: Bethpage | PO No.: | Project No. 60266526 Phase

Site Location: BPOW 5-6

CTO No. | RC Project Manager: Brian Caldwell

Sampler/Site Phone#: Valerie Thayer, 207-650-6572

Lab Name: Katahdin Analytical Services | Turnaround Time(specify):

Sample Analysis Requested (*Enter number of containers for each test*)

Lab ID	Sample ID (sys_samp_code)	Location ID (sys_loc_code)	Date (mm/dd/yy)	Time (Military) (hhmm)	Matrix Code (1)	Sample Type (2)	Field Filtered (Y/N)	Total No. of Containers	TOC Sulfuric acid	TOC									Extra Volume for MS/MSD	HOLD
								(3)→												
	BPOW 5-6-EB-050515		05/05/15	14:40	W	EB	N	3	X											
	BPOW5-6-soil-050515-603-605		05/05/15	12:45	SO	MS	N	1	~~X~~ (4)	X										
	BPOW5-6-FD soil-050515		05/05/15	12:45	SO	MS	N	1		X										
	BPOW5-6-MS/MSD(soil)-050515-603-605		05/05/15	12:45	SO	MS	N	1		X										
	Temp blank				W			1												

Field **Comments:** collected from soil sample - split ~~spoon~~ (4) spoon

Lab **Comments:**

Sample Shipment and Delivery Details

Number of coolers in shipment:

Samples Iced?(check) Yes_____ No_____

Method of Shipment:

Airbill No:

Date Shipped:

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 Valerie Thayer	05/07/15	6:00pm	1 [signature]	5/8/15	0910
2			2		
3			3		

(1) AA=Ambient air, **AQ**=Air quality control, **ASB**=Asbestos, **CK**=Caulk, **DS**=Storm drain sediment, **GS**=Soil gas, **IC**=IDW Concrete, **IDD**=IDW Solid, **IDS**=IDW soil, **IDW**=IDW Water, **LF**=Free Product, **MA**=Mastic, **PC**=Paint Chips, **SC**=Cement/Concrete, **SE**=Sediment, **SL**=Sludge, **SO**=Soil, **SQ**=Soil/Solid quality control, **SSD**=Subsurface sediment, **SU**=Surface soil (<6 in), **SW**=Swab or wipe, **TA**=Animal tissue, **TP**=Plant tissue, **TQ**=Tissue quality control, **WG**=Ground water, **WL**=Leachate, **WO**=Ocean water, **WP**=Drinking water, **WQ**=Water quality control, **WR**=Ground water effluent, **WS**=Surface water, **WU**=Storm water, **WW**=Waste water

(2) Sample Type: AB=Ambient Blk, **EB**=Equipment Blk, **FB**=Field Blk, **FD**=Field Duplicate Sample, **IDW**=Investigative-Derived Waste, **MIS**=Incremental Sampling Methodology, **N**=Normal Environmental Sample, **TB**=Trip Blk

(3) Preservative added: HA=Hydrochloric Acid, **NI**=Nitric Acid, **SH**=Sodium Hydroxide, **SA**=Sulfuric Acid, **ME**=Methanol, **SB**=sodium bisulfate, **ST**=Sodium Thiosulfate, If **NO preservative** added leave blank

Rev 5/12

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Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

May. 08, 2015
03:55 PM

Login Number: SI2994

Account: ENSAFE001 Web
ENSAFE

Project: AECOM-BETHPAGE
NWIRP Bethpage, NY

Primary Report Address:
Dana Miller
EnSafe
5724 Summer Trees Drive

Memphis,TN 38134
dmiller@Ensafe.com

Primary Invoice Address:
Accounts Payable
EnSafe
5724 Summer Trees Drive

Memphis,TN 38134

Report CC Addresses:
Invoice CC Addresses:

Quote/Incoming: AECOM-BETHPAGE

Login Information:

ANALYSIS INSTRUCTIONS	:	Follow DoD QSM Version 4.2 using DoD limits. "U" LOD. "J" flag between DL and LOQ. Must use soxhlet for PCB extraction.
CHECK NO.	:	
CLIENT PO#	:	16518
CLIENT PROJECT MANAGE	:	Brian Caldwell
CONTRACT	:	
COOLER TEMPERATURE	:	1.9
DELIVERY SERVICES	:	FedEx
EDD FORMAT	:	KAS135QC-CSV
LOGIN INITIALS	:	AP
PM	:	JO
PROJECT NAME	:	Navy Clean WE15-03-06 NWIRP Bethpage, NY
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Send CD only to Dana. Upload to SDS folder. Email invoice to purchasing@ensafe.com.
SDG ID	:	
SDG STATUS	:	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI2994-1	BP0W5-6-EB-050515	05-MAY-15 14:40	08-MAY-15			27-MAY-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SM5310B-TOC	02-JUN-15	40 mL Vial+H2SO4		

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI2994-2	5-6-SOIL-603-605	05-MAY-15 12:45	08-MAY-15			27-MAY-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW9060M-TOC	02-JUN-15			**MS/MSD; BP0W5-6-SOIL-050515-603-605**
Solid	S	TS	04-JUN-15			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI2994-3	5-6-FD-SOIL-603-605	05-MAY-15 12:45	08-MAY-15			27-MAY-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW9060M-TOC	02-JUN-15			**BP0W5-6-FD-SOIL-050515-603-605**
Solid	S	TS	04-JUN-15			

Total Samples: ***3*** ***Total Analyses:*** ***5***

05.08.15

0000009

Katahdin Analytical Services, Inc.
Container Transfer History for SI2994

Samplenum SI2994-1

Container Id SI2994-1A **Containertype** **40 mL Vial+H2SO4** **Matrix AQ**

Product *SM5310B-TOC*

Transferdate	From	To	Analyst	Custody Break	Comments
08-MAY-15 09:02	LOGIN	WALK-IN	APIMENTEL	N	

Container Id SI2994-1B **Containertype** **40 mL Vial+H2SO4** **Matrix AQ**

Product *SM5310B-TOC*

Transferdate	From	To	Analyst	Custody Break	Comments
08-MAY-15 09:02	LOGIN	WALK-IN	APIMENTEL	N	

Container Id SI2994-1C **Containertype** **40 mL Vial+H2SO4** **Matrix AQ**

Product *SM5310B-TOC*

Transferdate	From	To	Analyst	Custody Break	Comments
08-MAY-15 09:02	LOGIN	WALK-IN	APIMENTEL	N	

Samplenum SI2994-2

Container Id SI2994-2A **Containertype** **100g Glass** **Matrix SL**

Product *SW9060M-TOC*

Transferdate	From	To	Analyst	Custody Break	Comments
08-MAY-15 09:02	LOGIN	WALK-IN	APIMENTEL	N	
13-MAY-15 11:56	WALK-IN	WET CHEMISTRY	JSTEWART	N	
13-MAY-15 15:14	WET CHEMISTRY	WALK-IN	AZAZZARA	N	

Container Id SI2994-2B **Containertype** **100g Glass** **Matrix SL**

Product *SW9060M-TOC*

Transferdate	From	To	Analyst	Custody Break	Comments
08-MAY-15 09:02	LOGIN	WALK-IN	APIMENTEL	N	
13-MAY-15 11:56	WALK-IN	WET CHEMISTRY	JSTEWART	N	
13-MAY-15 15:14	WET CHEMISTRY	WALK-IN	AZAZZARA	N	

Samplenum SI2994-3

Container Id SI2994-3A **Containertype** **100g Glass** **Matrix SL**

Product *SW9060M-TOC*

Transferdate	From	To	Analyst	Custody Break	Comments
08-MAY-15 09:02	LOGIN	WALK-IN	APIMENTEL	N	

CONVENTIONAL AND PHYSICAL ANALYTICAL DATA

QC Summary Section

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Blank Sample Summary Report

TOC in Soil

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG162863	SW846 9060A Mod.	13-MAY-15	N/A	U 300 ug/gdrywt	400 ug/gdrywt	300

Total Organic Carbon

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG162702	SM5310B	12-MAY-15	N/A	U 0.50 mg/L	1.0 mg/L	0.50

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG162550	SM2540	11-MAY-15	08-MAY-15	U 1 %	1 %	N/A

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Summary Report

TOC In Soil

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG162863-2	LCS	WG162863	13-MAY-15	N/A	ug/gdrywt	400000.000	400000	101	80-120	

Total Organic Carbon

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG162702-2	LCS	WG162702	12-MAY-15	N/A	mg/L	50	51.	102	80-120	

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG162550-2	LCS	WG162550	11-MAY-15	08-MAY-15	%	90	90.	100	90-110	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
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Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG162550-3	SI2994-2	WG162550	11-MAY-15	%	80.	79.	1	20

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

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Quality Control Report

Matrix Spike Sample Summary Report

TOC In Soil

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG162863-3	MS	SI2994-2	WG162863	13-MAY-15	ug/gdrywt	9905.19	860	11000	103	75 - 125
WG162863-4	MSD	SI2994-2	WG162863	13-MAY-15	ug/gdrywt	9792.25	860	12000	110	75 - 125

Total Organic Carbon

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG162702-3	MS	SI2994-1	WG162702	12-MAY-15	mg/L	100	J 0.25	89.	89	75 - 125

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Sample Data Section

KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

A-4 Please refer to cover letter or narrative for further information.

H_ Please note that the regulatory holding time for _____ is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. _____ for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

H1 - pH H2 - DO H3 - sulfide H4 - residual chlorine

T1 The client did not provide the full volume of at least one liter for analysis of TSS. Therefore, the PQL of 2.5 mg/L could not be achieved.

T2 The client provided the required volume of at least one liter for analysis of TSS, but the laboratory could not filter the full one liter volume due to the sample matrix. Therefore, the PQL of 2.5 mg/L could not be achieved.

M1 The matrix spike and/or matrix spike duplicate recovery performed on this sample was outside of the laboratory acceptance criteria. Sample matrix is suspected. The laboratory criteria was met for the Laboratory Control Sample (LCS) analyzed concurrently with this sample.

M2 The matrix spike and/or matrix spike duplicate recovery was outside of the laboratory acceptance criteria. The native sample concentration is greater than four times the spike added concentration so the spike added could not be distinguished from the native sample concentration.

R1 The relative percent difference (RPD) between the duplicate analyses performed on this sample was outside of the laboratory acceptance criteria (when both values are greater than ten times the PQL).

MCL	Maximum Contaminant Level	NL	No limit
NFL	No Free Liquid Present	FLP	Free Liquid Present
NOD	No Odor Detected	TON	Threshold Odor Number

D-1 As required by Method 5210B, APHA Standard Methods for the Examination of Water and Wastewater (21st edition), the BOD value reported for this sample is 'qualified' because the check standard run concurrently with the sample analysis did not meet the criteria specified in the method (198 +/- 30.5 mg/L). These results may not be reportable for compliance purposes.

D-2 The measured final dissolved oxygen concentrations of all dilutions were less than the method-specified limit of 1 mg/L. The reported BOD result was calculated assuming a final oxygen concentration equal to 1 mg/L.

D-3 The dilution water used to prepare this sample did not meet the method and/or regulatory criteria of less than 0.2 or 0.4 mg/L dissolved oxygen (DO) uptake over the five day period of incubation. These results may not be reportable for compliance purposes.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Dana Miller
EnSafe
5724 Summer Trees Drive
Memphis,TN 38134

Lab Sample ID: SI2994-1
Report Date: 31-MAY-15
Client PO: 16518
Project: Navy Clean WE15-03-0
SDG: SI2994

Sample Description	Matrix	Date Sampled	Date Received
BP0W5-6-EB-050515	AQ	05-MAY-15 14:40:00	08-MAY-15

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Organic Carbon	J0.25 mg/L	1.0	0.10	.5	SM5310B	WG162702	12-MAY-15 02:52:08	N/A	N/A	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
http://www.katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Dana Miller
EnSafe
5724 Summer Trees Drive
Memphis,TN 38134

Lab Sample ID: SI2994-2
Report Date: 31-MAY-15
Client PO: 16518
Project: Navy Clean WE15-03-0
SDG: SI2994

Sample Description	Matrix	Date Sampled	Date Received
5-6-SOIL-603-605	SL	05-MAY-15 12:45:00	08-MAY-15

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
TOC In Soil	860 ug/gdrywt	480	100	360	SW846 9060A Mod.	WG162863	13-MAY-15 13:33:53	N/A	N/A	
Total Solids	80. %	1		N/A	SM2540G	WG162550	11-MAY-15 10:21:06	SM2540G	08-MAY-15	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Dana Miller
EnSafe
5724 Summer Trees Drive
Memphis,TN 38134

Lab Sample ID: SI2994-3
Report Date: 31-MAY-15
Client PO: 16518
Project: Navy Clean WE15-03-0
SDG: SI2994

Sample Description	Matrix	Date Sampled	Date Received
5-6-FD-SOIL-603-605	SL	05-MAY-15 12:45:00	08-MAY-15

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
TOC In Soil	1000 ug/gdrywt	560	120	420	SW846 9060A Mod.	WG162863	13-MAY-15 14:18:18	N/A	N/A	
Total Solids	70. %	1		N/A	SM2540G	WG162550	11-MAY-15 10:21:16	SM2540G	08-MAY-15	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
http://www.katahdinlab.com

Raw Data Section

WET CHEMISTRY BATCH REPORT
May 14 2015, 03:11 pm
Batch: WG162861

Parameter: Carbon, Percent

Date Analyzed: 13-MAY-15

Analyst Initials: JS

Prep Date: N/A

Prep Method: N/A

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI2877-1	SAMP	SW846 9060A	106.3mg	0.10000g	1	21577	47. %	43.	.1	0.058	0.23		
SI2877-2	SAMP	SW846 9060A	119.1mg	0.10000g	1	14508	40. %	30.	.1	0.083	0.33		
WG162861-1	MBLANK	SW846 9060A	500mg	0.10000g	1	0	U0.10 %	NA	.1	0.025	0.10		
WG162861-2	LCS	SW846 9060A	40mg	0.10000g	1	16135	40. %	NA	.1	0.025	0.10		101
WG162861-3	DUP	SW846 9060A	100.3mg	0.10000g	1	21255	50. %	NA	.1	0.058	0.23	4	
WG162861-4	MS	SW846 9060A	117.9mg	0.10000g	1	18826	53. %	NA	.1	0.083	0.33		112
WG162861-5	MSD	SW846 9060A	116.8mg	0.10000g	1	17551	50. %	NA	.1	0.083	0.33		83

Comments:

WG162861-1	SI2877-1
WG162861-2	SI2877-1
WG162861-3	SI2877-1
WG162861-4	SI2877-2
WG162861-5	SI2877-2

Entered by: JS Date: 5·14·15 Accepted by: [illegible] Date: 05/15/15

WET CHEMISTRY BATCH REPORT
May 14 2015, 03:14 pm
Batch: WG162863

Parameter: TOC In Soil

Date Analyzed: 13-MAY-15

Analyst Initials: JS

Prep Date: N/A

Prep Method: N/A

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI2993-1	SAMP	SW846 9060A	521.5mg	200.00ug	1	591.30761	590 ug/gdrywt	85.	400	96.	450		
SI2994-2	SAMP	SW846 9060A	515.6mg	200.00ug	1	857.43242	860 ug/gdrywt	80.	400	100	480		
SI2994-3	SAMP	SW846 9060A	503.4mg	200.00ug	1	1007.13699	1000 ug/gdrywt	70.	400	120	560		
WG162863-1	MBLANK	SW846 9060A	500mg	200.00ug	1	0	U300 ug/gdrywt	NA	400	85.	400		
WG162863-2	LCS	SW846 9060A	40mg	200.00ug	1	403375	400000 ug/gdrywt	NA	400	85.	400		101
WG162863-3	MS	SW846 9060A	502.9mg	200.00ug	1	11069.04982	11000 ug/gdrywt	NA	400	100	500		103
WG162863-4	MSD	SW846 9060A	508.7mg	200.00ug	1	11650.33522	12000 ug/gdrywt	NA	400	100	500	5	110

Comments:

SI2993-1	BP0W6-5-SOIL-050515-528-530
SI2994-2	MS/MSD; BP0W5-6-SOIL-050515-603-605
SI2994-3	BP0W5-6-FD-SOIL-050515-603-605
WG162863-1	SI2994-2
WG162863-2	SI2994-2
WG162863-3	SI2994-2
WG162863-4	SI2994-2

Entered by: JS Date: 5.14.15 Accepted by: [illegible] for DW Date: 05/15/15 ✓

	Sample Name	Dilution	Result	Comment	Date / Time
1	CCV	1.000	SSM-TC:16195 ug	100.8%	5/13/2015 10:58:50 AM
2	CCB	1.000	SSM-TC:0.000 ug		5/13/2015 11:05:47 AM
3	LCS	1.000	SSM-TC:16135 ug		5/13/2015 11:14:51 AM
4	SI2877-1	1.000	SSM-TC:21577 ug		5/13/2015 11:44:47 AM
5	SI2877-1 D	1.000	SSM-TC:21255 ug		5/13/2015 11:54:06 AM
6	SI2877-2	1.000	SSM-TC:14508 ug		5/13/2015 12:07:37 PM
7	SI2877-2 MS	1.000	SSM-TC:18826 ug		5/13/2015 12:16:22 PM
8	SI2887-2 MSD	1.000	SSM-TC:17551 ug		5/13/2015 12:24:59 PM
9	SI2993-1	1.000	SSM-TC:260.9 ug		5/13/2015 12:43:55 PM
10	SI2994-2	1.000	SSM-TC:355.0 ug		5/13/2015 1:33:53 PM
11	CCV	1.000	SSM-TC:16055 ug	100.3%	5/13/2015 1:43:14 PM
12	CCB	1.000	SSM-TC:0.000 ug	~~102.2~~ 5	5/13/2015 1:49:27 PM
13	SI2994-2 MS	1.000	SSM-TC:4470 ug		5/13/2015 1:59:12 PM
14	SI2994-2 MSD	1.000	SSM-TC:4759 ug		5/13/2015 2:09:46 PM
15	SI2994-3	1.000	SSM-TC:357.8 ug		5/13/2015 2:18:18 PM
16	CCV	1.000	SSM-TC:16366 ug	102.2%	5/13/2015 2:27:35 PM
17	CCB	1.000	SSM-TC:0.000 ug		5/13/2015 2:35:04 PM
18					
19					
20					
21					
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27					
28					

Katahdin Analytical Services, Inc.

Carbon Analysis of Solid Samples - Shimadzu TOC-V_{CPH} / SSM-5000A

Analysis Type and Method (Check One)

____Total Carbon (SW846 9060M) ____Total Inorganic Carbon (SW846 9060M)

____Total Organic Carbon (SW846 9060) ✓ Other (Specify): % Carbon

____Total Organic Carbon (Lloyd Kahn) WG162863 R317385 WG162861 R317383

Spiking Information		
LCS Spike Source ID / Compound:	W12843	TV: 16000
CCV Spike Source ID / Compound:	W12842	↓
MS Spike Source ID / Compound:	↓	TV: 4000

Calibration Information	
Calibration Date:	5·13·15
Calibration Analyst:	JS

KATAHDIN Sample Number	Sample Wt. (mg)	Sample Type * (Circle One)	~~Spike Added (mg)~~ % Recovery
CCV		Wet Dry	100.8%
CCB		Wet Dry	
LCS		Wet Dry	
SI2877-1	106.3	Wet Dry	
-1 DUP	100.3	Wet Dry	
-2	119.1	Wet Dry	
-2 MS	117.9	Wet Dry	
-2 MSD	116.8	Wet Dry	
SI2993-1	521.5	Wet Dry	
SI2994-2	515.6	Wet Dry	
CCV		Wet Dry	100.3%
CCB		Wet Dry	
SI2994-2 MS	502.9	Wet Dry	
↓ -2 MSD	508.7	Wet Dry	
SI2994-3	503.4	Wet Dry	
CCV		Wet Dry	102.2%
CCB		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
	JS 5.13.15	Wet Dry	

* "Wet" = field-moist sample (as received). "Dry" = oven-dried sample.

Analyst:	JS	Analysis Date:	5·13·15
Reviewer:	DW	Review Date:	05/15/15

Instr.Information

System	SSM-5000A
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	short

Sample

Sample Name:	CCV
Sample ID:	<Untitled>
Origin:	tc method SOILS.met
Chk. Result	

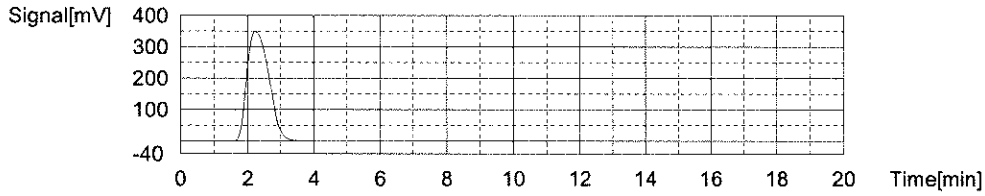
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:16195 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	1613	1613	16195ug	16195ug	40.00mg	40uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 10:58:50 AM

Mean Area	1613
Mean CNV	1613
Mean Conc.	16195ug



Sample

Sample Name:	CCB
Sample ID:	<Untitled>
Origin:	tc method SOILS.met
Chk. Result	

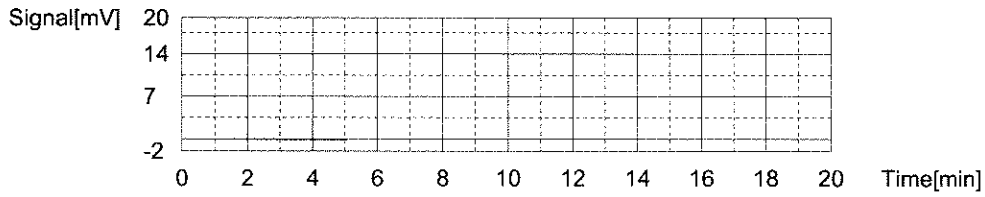
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:0.000 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	0.000ug	0.000ug	500.0mg	500uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 11:05:47 AM

Mean Area	0.000
Mean CNV	0.000
Mean Conc.	0.000ug



Sample

Sample Name: LCS
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

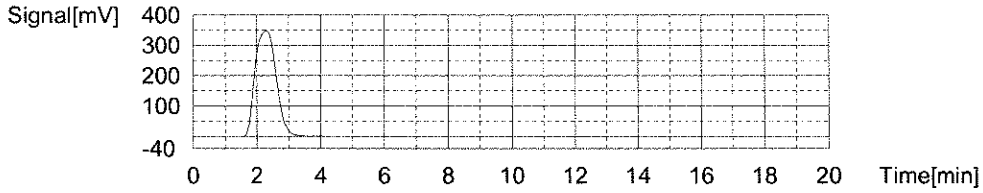
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:16135 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	1607	1607	16135ug	16135ug	40.00mg	40uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 11:14:51 AM

Mean Area 1607
Mean CNV 1607
Mean Conc. 16135ug



Sample

Sample Name: SI2877-1
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

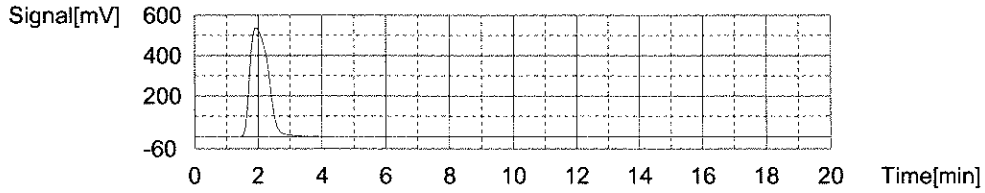
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:21577 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	2149	2149	21577ug	21577ug	106.3mg	106uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 11:44:47 AM

Mean Area 2149
Mean CNV 2149
Mean Conc. 21577ug



Sample

Sample Name: SI2877-1 D
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

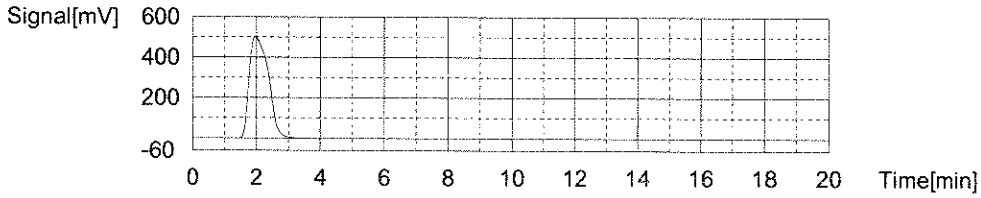
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:21255 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	2117	2117	21255ug	21255ug	100.3mg	100uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 11:54:06 AM

Mean Area 2117
Mean CNV 2117
Mean Conc. 21255ug



Sample

Sample Name: SI2877-2
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

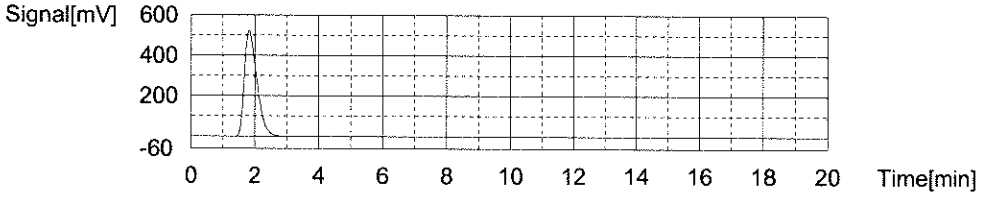
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:14508 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	1445	1445	14508ug	14508ug	119.1mg	119uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 12:07:37 PM

Mean Area 1445
Mean CNV 1445
Mean Conc. 14508ug



Sample

Sample Name: SI2877-2 MS
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

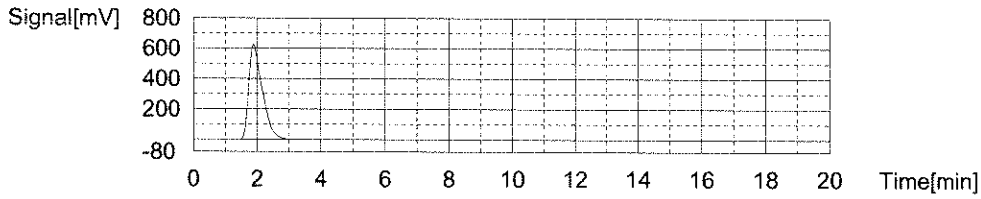
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:18826 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	1875	1875	18826ug	18826ug	117.9mg	117uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 12:16:22 PM

Mean Area 1875
Mean CNV 1875
Mean Conc. 18826ug



Sample

Sample Name: SI2887-2 MSD
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

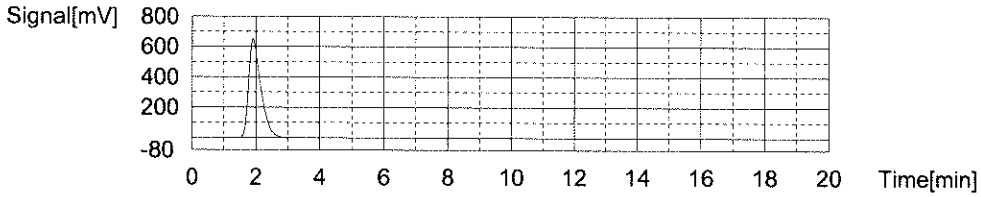
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:17551 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	1748	1748	17551ug	17551ug	116.8mg	116uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 12:24:59 PM

Mean Area 1748
Mean CNV 1748
Mean Conc. 17551ug



Sample

Sample Name: SI2993-1
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

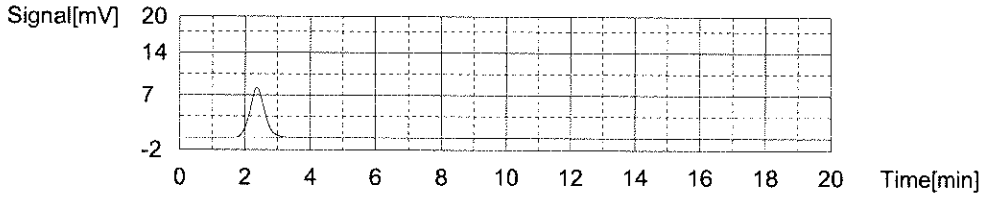
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:260.9 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	25.99	25.99	260.9ug	260.9ug	521.5mg	521uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 12:43:55 PM

Mean Area 25.99
Mean CNV 25.99
Mean Conc. 260.9ug



Sample

Sample Name: SI2994-2
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

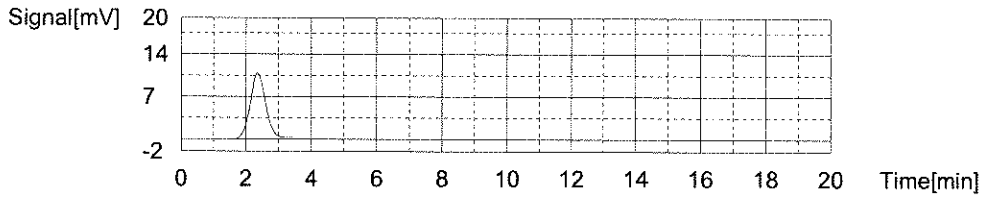
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:355.0 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	35.36	35.36	355.0ug	355.0ug	515.6mg	515uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 1:33:53 PM

Mean Area 35.36
Mean CNV 35.36
Mean Conc. 355.0ug



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

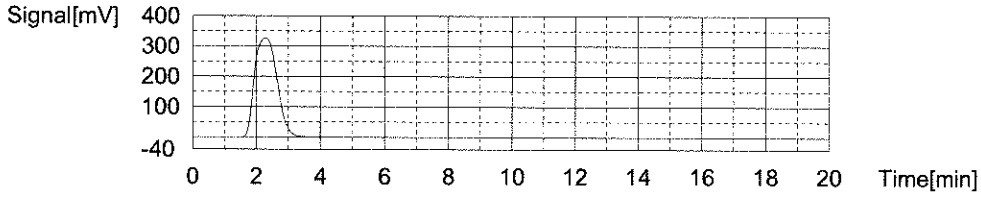
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:16055 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	1599	1599	16055ug	16055ug	40.00mg	40uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 1:43:14 PM

Mean Area 1599
Mean CNV 1599
Mean Conc. 16055ug



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

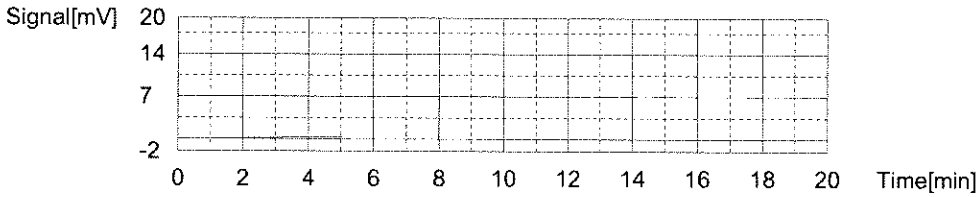
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:0.000 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	0.000ug	0.000ug	500.0mg	500uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 1:49:27 PM

Mean Area 0.000
Mean CNV 0.000
Mean Conc. 0.000ug



Sample

Sample Name: SI2994-2 MS
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

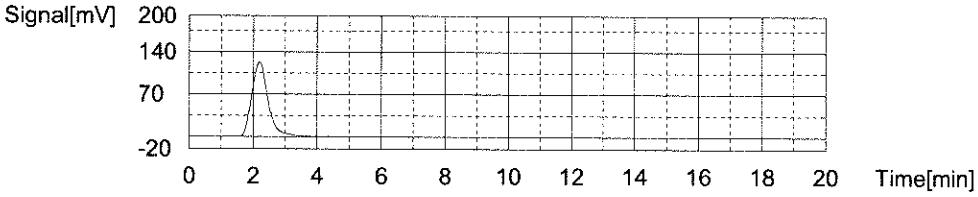
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:4470 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	445.2	445.2	4470ug	4470ug	502.9mg	502uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 1:59:12 PM

Mean Area 445.2
Mean CNV 445.2
Mean Conc. 4470ug



Sample

Sample Name: SI2994-2 MSD
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

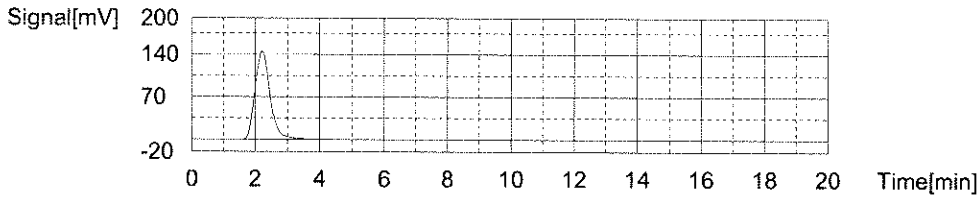
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:4759 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	474.0	474.0	4759ug	4759ug	508.7mg	508uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 2:09:46 PM

Mean Area 474.0
Mean CNV 474.0
Mean Conc. 4759ug



Sample

Sample Name: SI2994-3
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

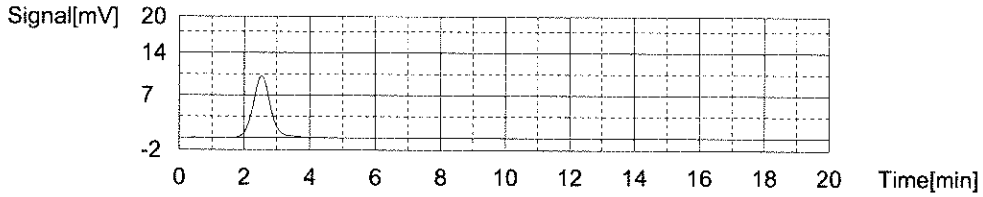
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:357.8 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	35.64	35.64	357.8ug	357.8ug	503.4mg	503uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 2:18:18 PM

Mean Area 35.64
Mean CNV 35.64
Mean Conc. 357.8ug



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

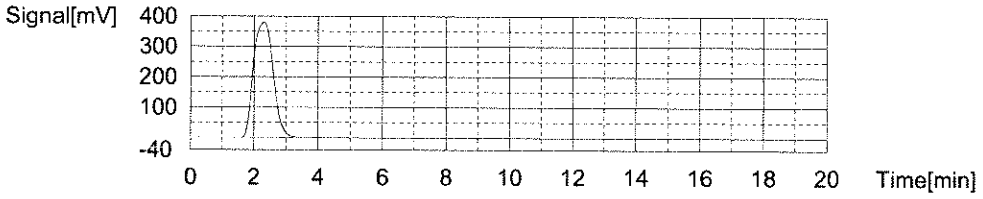
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:16366 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	1630	1630	16366ug	16366ug	40.00mg	40uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 2:27:35 PM

Mean Area 1630
Mean CNV 1630
Mean Conc. 16366ug



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

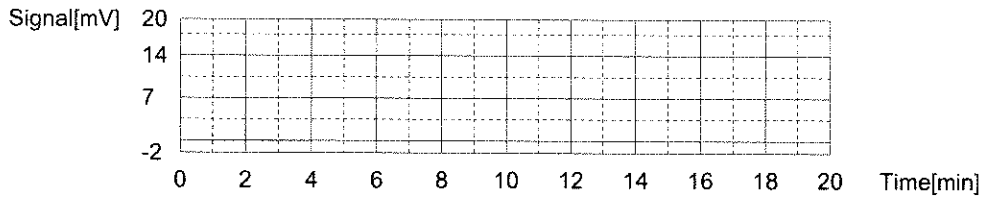
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:0.000 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	0.000	0.000	0.000ug	0.000ug	500.0mg	500uL		toc sl cal 051315.2015_05_13_09_28_03.cal	5/13/2015 2:35:04 PM

Mean Area 0.000
Mean CNV 0.000
Mean Conc. 0.000ug



Instr.Information

System	SSM-5000A
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	short

Cal. Curve

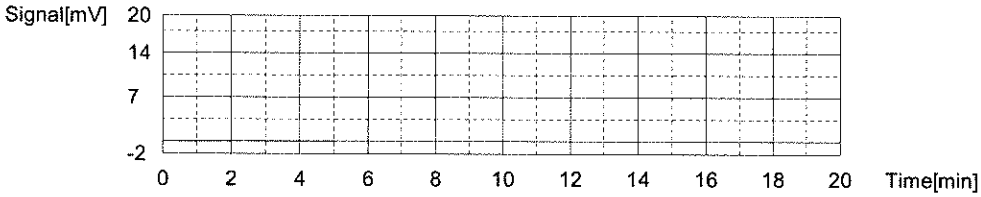
Sample Name:	Untitled
Sample ID:	Untitled
Cal. Curve:	toc sl cal 051315.2015_05_13_09_28_03.cal

Type	Anal.	Density
Standard	SSM-TC	

AbsC: 0.000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	0.000	0.000	0.000ug	0.000mg	*******		5/13/2015 9:39:28 AM

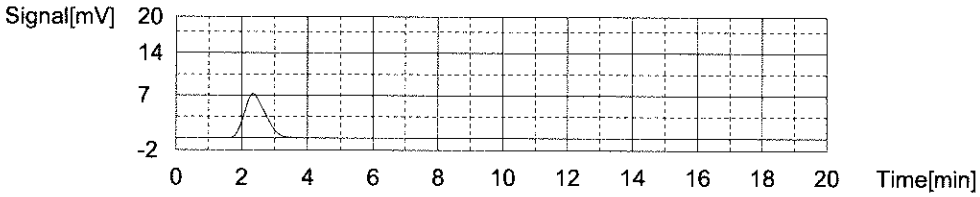
Mean Area 0.000
Mean CNV 0.000



AbsC: 200.0ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	31.54	31.54	200.0ug	0.5000mg	*******		5/13/2015 9:47:26 AM

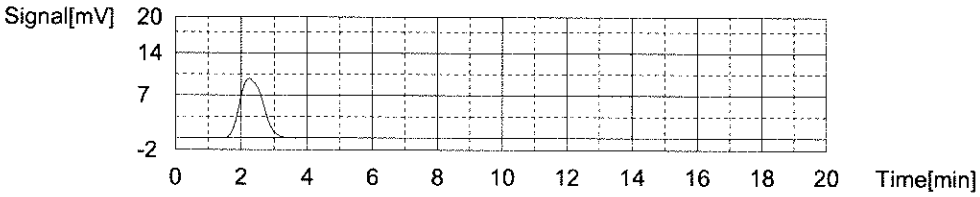
Mean Area 31.54
Mean CNV 31.54



AbsC: 400.0ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	47.46	47.46	400.0ug	1.000mg	*******		5/13/2015 9:55:11 AM

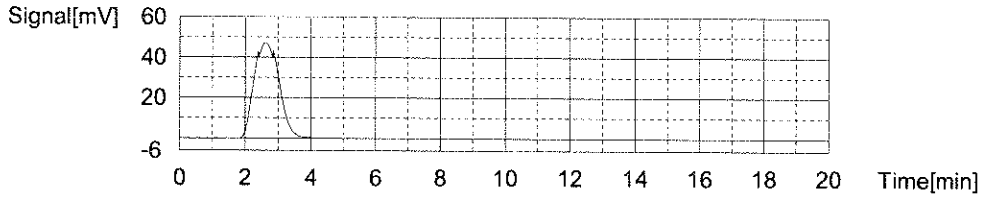
Mean Area 47.46
Mean CNV 47.46



AbsC: 2000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	250.5	250.5	2000ug	5.000mg	*******		5/13/2015 10:05:02 AM

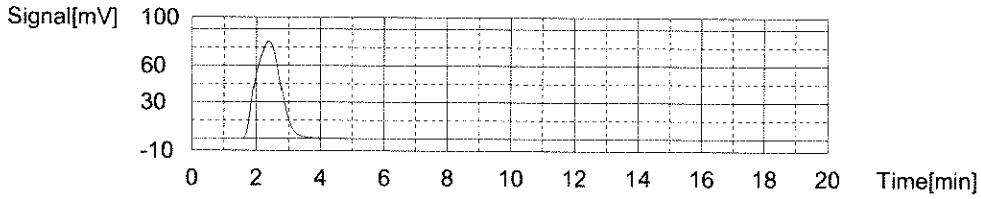
Mean Area 250.5
Mean CNV 250.5



AbsC: 4000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	426.7	426.7	4000ug	10.00mg	*******		5/13/2015 10:14:22 AM

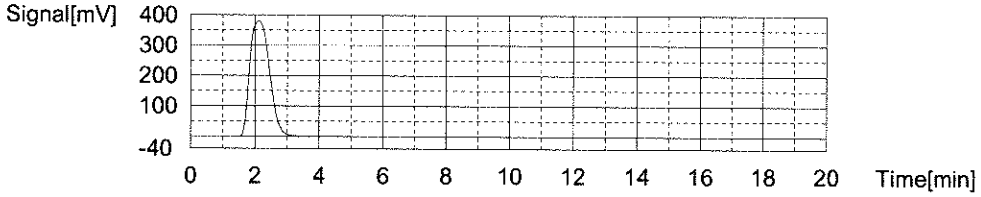
Mean Area 426.7
Mean CNV 426.7



AbsC: 16000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	1602	1602	16000ug	40.00mg	*******		5/13/2015 10:23:53 AM

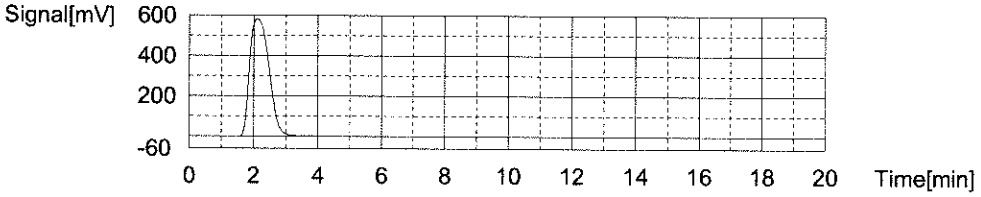
Mean Area 1602
Mean CNV 1602



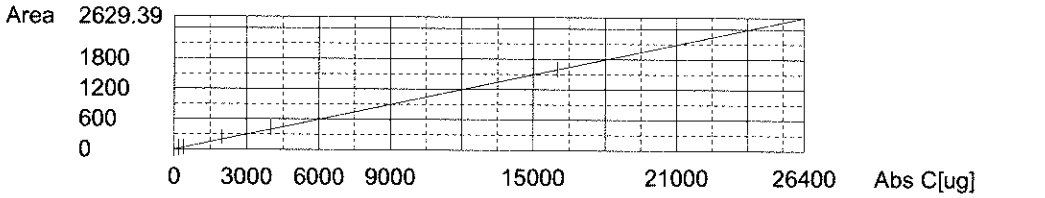
AbsC: 24000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	2411	2411	24000ug	60.00mg	*******		5/13/2015 10:34:10 AM

Mean Area 2411
Mean CNV 2411



Slope: 0.09960
Intercept 0.000
r^2 0.999668



WET CHEMISTRY BATCH REPORT
May 12 2015, 02:00 pm
Batch: WG162700

Parameter: Dissolved Organic Carbon

Date Analyzed: 11-MAY-15

Analyst Initials: JS

Prep Date: N/A

Prep Method: N/A

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI2881-1	SAMP	SM5310B	20.000mL	20.000mL	1	3.32	3.3 mg/L	NA	1	.1023	1.0		
SI2881-2	SAMP	SM5310B	20.000mL	20.000mL	1	2.817	2.8 mg/L	NA	1	.1023	1.0		
SI2881-3	SAMP	SM5310B	20.000mL	20.000mL	1	2.848	2.8 mg/L	NA	1	.1023	1.0		
SI2881-4	SAMP	SM5310B	20.000mL	20.000mL	1	1.538	1.5 mg/L	NA	1	.1023	1.0		
SI2881-5	SAMP	SM5310B	20.000mL	20.000mL	1	.1762	U1.0 mg/L	NA	1	.1023	1.0		
SI2927-1	SAMP	SM5310B	20.000mL	20.000mL	1	4.512	4.5 mg/L	NA	1	.1023	1.0		
SI2927-2	SAMP	SM5310B	20.000mL	20.000mL	1	1.567	1.6 mg/L	NA	1	.1023	1.0		
SI2927-3	SAMP	SM5310B	20.000mL	20.000mL	1	1.58	1.6 mg/L	NA	1	.1023	1.0		
WG162700-1	MBLANK	SM5310B	20.000mL	20.000mL	1	.03657	U0.50 mg/L	NA	1	0.10	1.0		
WG162700-2	LCS	SM5310B	20.000mL	20.000mL	1	52.53	52. mg/L	NA	1	0.10	1.0		105
WG162700-3	LCSD	SM5310B	20.000mL	20.000mL	1	51.48	51. mg/L	NA	1	0.10	1.0	2	103
WG162700-4	DUP	SM5310B	20.000mL	20.000mL	1	3.312	3.3 mg/L	NA	1	.1023	1.0	0	
WG162700-5	MS	SM5310B	20.000mL	20.000mL	1	94.69	95. mg/L	NA	1	.1023	1.0		92
WG162700-6	MSD	SM5310B	20.000mL	20.000mL	1	94.55	94. mg/L	NA	1	.1023	1.0	0	92

Comments:

WG162700-1	SI2881-1
WG162700-2	SI2881-1
WG162700-3	SI2881-1
WG162700-4	SI2881-1
WG162700-5	SI2881-2
WG162700-6	SI2881-2

Entered by: JS Date: 5.12.15 Accepted by: for DW Date: 05/15/15

WET CHEMISTRY BATCH REPORT
May 12 2015, 02:01 pm
Batch: WG162701

Parameter: Total Organic Carbon

Date Analyzed: 11-MAY-15

Analyst Initials: JS

Prep Date: N/A

Prep Method: N/A

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI2946-1	SAMP	SM5310B	20.000mL	20.000mL	1	.3989	U1.0 mg/L	NA	1	.1023	1.0		
SI2946-10	SAMP	SM5310B	20.000mL	20.000mL	1	31.15	31. mg/L	NA	1	.1023	1.0		
SI2946-2	SAMP	SM5310B	20.000mL	20.000mL	1	.9667	U1.0 mg/L	NA	1	.1023	1.0		
SI2946-3	SAMP	SM5310B	20.000mL	20.000mL	1	7.325	7.3 mg/L	NA	1	.1023	1.0		
SI2946-4	SAMP	SM5310B	20.000mL	20.000mL	1	2.676	2.7 mg/L	NA	1	.1023	1.0		
SI2946-5	SAMP	SM5310B	20.000mL	20.000mL	1	1.455	1.4 mg/L	NA	1	.1023	1.0		
SI2946-7	SAMP	SM5310B	20.000mL	20.000mL	1	120.7	120 mg/L	NA	1	.1023	1.0		
SI2946-8	SAMP	SM5310B	20.000mL	20.000mL	1	49.97	50. mg/L	NA	1	.1023	1.0		
WG162701-1	MBLANK	SM5310B	20.000mL	20.000mL	1	0	U0.50 mg/L	NA	1	0.10	1.0		
WG162701-2	LCS	SM5310B	20.000mL	20.000mL	1	51.43	51. mg/L	NA	1	0.10	1.0		103
WG162701-3	MS	SM5310B	20.000mL	20.000mL	1	91.18	91. mg/L	NA	1	.1023	1.0		91
WG162701-4	DUP	SM5310B	20.000mL	20.000mL	1	.9079	U1.0 mg/L	NA	1	.1023	1.0	NC	

Comments:

SI2993-2	BP0W6-5-SOIL-050515-528-530
WG162701-1	SI2946-1
WG162701-2	SI2946-1
WG162701-3	SI2946-1
WG162701-4	SI2946-2
WG162701-5	SI2947-1

Entered by: JS Date: 5.12.15 Accepted by: [signature] Date: 05/15/15

WET CHEMISTRY BATCH REPORT
May 12 2015, 02:01 pm
Batch: WG162701

Parameter: Total Organic Carbon

Date Analyzed: 12-MAY-15

Analyst Initials: JS

Prep Date: N/A

Prep Method: N/A

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI2946-11	SAMP	SM5310B	20.000mL	20.000mL	1	38.68	39. mg/L	NA	1	.1023	1.0		
SI2946-12	SAMP	SM5310B	20.000mL	20.000mL	1	2.135	2.1 mg/L	NA	1	.1023	1.0		
SI2946-13	SAMP	SM5310B	20.000mL	20.000mL	1	7.916	7.9 mg/L	NA	1	.1023	1.0		
SI2946-14	SAMP	SM5310B	20.000mL	20.000mL	1	33.13	33. mg/L	NA	1	.1023	1.0		
SI2946-6	SAMP	SM5310B	20.000mL	20.000mL	2	32.84	33. mg/L	NA	1	0.20	2.0		
SI2946-9	SAMP	SM5310B	20.000mL	20.000mL	2	188.5	190 mg/L	NA	1	0.20	2.0		
SI2947-1	SAMP	SM5310B	20.000mL	20.000mL	1	1.779	1.8 mg/L	NA	1	.1023	1.0		
SI2987-1	SAMP	SM5310B	20.000mL	20.000mL	1	19.38	19. mg/L	NA	1	.1023	1.0		
SI2987-2	SAMP	SM5310B	20.000mL	20.000mL	1	.3792	U1.0 mg/L	NA	1	.1023	1.0		
SI2988-1	SAMP	SM5310B	20.000mL	20.000mL	1	5.107	5.1 mg/L	NA	1	.1023	1.0		
SI2988-2	SAMP	SM5310B	20.000mL	20.000mL	1	.3503	U1.0 mg/L	NA	1	.1023	1.0		
SI2993-2	SAMP	SM5310B	20.000mL	20.000mL	1	.2057	J0.20 mg/L	NA	1	0.10	1.0		
WG162701-5	MS	SM5310B	20.000mL	20.000mL	1	91.95	92. mg/L	NA	1	.1023	1.0		90

Comments:

SI2993-2	BP0W6-5-SOIL-050515-528-530
WG162701-1	SI2946-1
WG162701-2	SI2946-1
WG162701-3	SI2946-1
WG162701-4	SI2946-2
WG162701-5	SI2947-1

Entered by: JS Date: 5.12.15 Accepted by: [signature] for DW Date: 05/15/15 ✓

WET CHEMISTRY BATCH REPORT
May 12 2015, 02:02 pm
Batch: WG162702

Parameter: Total Organic Carbon

Date Analyzed: 12-MAY-15

Analyst Initials: JS

Prep Date: N/A

Prep Method: N/A

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI2994-1	SAMP	SM5310B	20.000mL	20.000mL	1	.2482	J0.25 mg/L	NA	1	0.10	1.0		
SI3004-1	SAMP	SM5310B	20.000mL	20.000mL	1	53.88	54. mg/L	NA	1	.1023	1.0		
SI3031-1	SAMP	SM5310B	20.000mL	20.000mL	1	46.28	46. mg/L	NA	1	.1023	1.0		
SI3031-2	SAMP	SM5310B	20.000mL	20.000mL	1	46.39	46. mg/L	NA	1	.1023	1.0		
SI3031-3	SAMP	SM5310B	20.000mL	20.000mL	1	4.264	4.3 mg/L	NA	1	.1023	1.0		
SI3032-1	SAMP	SM5310B	20.000mL	20.000mL	1	7.237	7.2 mg/L	NA	1	.1023	1.0		
SI3032-2	SAMP	SM5310B	20.000mL	20.000mL	1	3.319	3.3 mg/L	NA	1	.1023	1.0		
SI3032-3	SAMP	SM5310B	20.000mL	20.000mL	1	3.531	3.5 mg/L	NA	1	.1023	1.0		
SI3032-4	SAMP	SM5310B	20.000mL	20.000mL	1	22.8	23. mg/L	NA	1	.1023	1.0		
SI3032-5	SAMP	SM5310B	20.000mL	20.000mL	1	22.88	23. mg/L	NA	1	.1023	1.0		
SI3032-6	SAMP	SM5310B	20.000mL	20.000mL	1	.1372	U1.0 mg/L	NA	1	.1023	1.0		
WG162702-1	MBLANK	SM5310B	20.000mL	20.000mL	1	.06624	U0.50 mg/L	NA	1	0.10	1.0		
WG162702-2	LCS	SM5310B	20.000mL	20.000mL	1	51.2	51. mg/L	NA	1	0.10	1.0		102
WG162702-3	MS	SM5310B	20.000mL	20.000mL	1	89.35	89. mg/L	NA	1	.1023	1.0		89
WG162702-4	DUP	SM5310B	20.000mL	20.000mL	1	54.06	54. mg/L	NA	1	.1023	1.0	0	
WG162702-5	MS	SM5310B	20.000mL	20.000mL	1	88.8	89. mg/L	NA	1	.1023	1.0		89

Comments:

WG162702-1	SI2994-1
WG162702-2	SI2994-1
WG162702-3	SI2994-1
WG162702-4	SI3004-1
WG162702-5	SI3032-6

Entered by: JS Date: 5·12·15 Accepted by: [signature] Date: 05/15/15

KATAHDIN ANALYTICAL SERVICES, INC.
CARBON ANALYSIS RUN INFORMATION SHEET

INSTR. ID: WC2 (Shimadzu TOC-V_{CPH}) **ANALYST:** JS **DATE:** 5·12·15

FILE NAME: TOC AQ 051115 **METHOD(S):**

TOC	DOC	TIC
☐ EPA 415.1	☐ EPA 415.1	☐ EPA 415.1
☑ SM5310B	☑ SM5310B	☐ SM5310B
☐ _____	☐ _____	☐ _____

CALIBRATION DATE: 04·21·15 **CALIBRATION ANALYST:** JS

Calibration standards were prepared by performing dilutions of the following standard on the day of calibration:

Calibration Source Standard ID	Prep Date	Expiration Date	Standard Conc. (mg/L)
W12929	4·10·15	7·10·15	2000

Note: Calibration must be performed quarterly or whenever a change in analysis conditions warrant. A copy of the associated calibration data is attached to this run.

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
CCV	W12929	4·10·15	7·10·15	100 mg C/L
LCS	W12955	4·21·15	7·21·15	50 mg C/L
MS Stock Std. *	W12929	4·10·15	7·10·15	2000 mg C/L
Alkalinity Check	W12995	5·8·15	11·8·15	15 mg/L (Inorg. C)

* Matrix spikes are prepared by adding 2.0 mL of MS Stock Std. to 38 mL of sample.

Additional Comments and Notes:

SM5310B - DOC - WG162700 R316978
- TOC - 1 - WG162701 R316979
- TOC - 2 - WG162702 R316980

Samples ST 2946-6, -9, and -11 all contained sediment they were all rerun to mitigate sediment interference

	Sample Name	Dilution	Result	Comment	Date / Time	Vial
1	ALK CHECK	1.000	NPOC:0.1259 mg/L		5/11/2015 3:51:04 PM	61
2	CCV	1.000	NPOC:98.08 mg/L	98%	5/11/2015 4:07:18 PM	62
3	BLANK	1.000	NPOC:0.2247 mg/L		5/11/2015 4:20:42 PM	65
4	BLANK	1.000	NPOC:0.03657 mg/L		5/11/2015 4:35:05 PM	66
5	LCS	1.000	NPOC:52.53 mg/L	105%	5/11/2015 4:50:37 PM	59
6	LCSD	1.000	NPOC:51.48 mg/L		5/11/2015 5:06:01 PM	60
7	SI2881-1	1.000	NPOC:3.320 mg/L		5/11/2015 5:19:38 PM	1
8	SI2881-1 DUP	1.000	NPOC:3.312 mg/L		5/11/2015 5:30:38 PM	1
9	SI2881-2	1.000	NPOC:2.817 mg/L		5/11/2015 5:43:48 PM	2
10	SI2881-2 MS	1.000	NPOC:94.69 mg/L		5/11/2015 5:59:00 PM	3
11	SI2881-2 MSD	1.000	NPOC:94.55 mg/L		5/11/2015 6:11:53 PM	3
12	SI2881-3	1.000	NPOC:2.848 mg/L		5/11/2015 6:24:57 PM	4
13	SI2881-4	1.000	NPOC:1.538 mg/L		5/11/2015 6:37:50 PM	5
14	SI2881-5	1.000	NPOC:0.1762 mg/L		5/11/2015 6:50:02 PM	6
15	CCV	1.000	NPOC:98.17 mg/L	98%	5/11/2015 7:05:27 PM	62
16	BLANK	1.000	NPOC:0.000 mg/L		5/11/2015 7:16:42 PM	65
17	BLANK	1.000	NPOC:0.000 mg/L		5/11/2015 7:25:39 PM	65
18	SI2927-1	1.000	NPOC:4.512 mg/L		5/11/2015 7:39:12 PM	7
19	SI2927-2	1.000	NPOC:1.567 mg/L		5/11/2015 7:52:06 PM	8
20	SI2927-3	1.000	NPOC:1.580 mg/L		5/11/2015 8:05:01 PM	9
21	SI2946-1	1.000	NPOC:0.3989 mg/L		5/11/2015 8:17:28 PM	10
22	SI2946-1 MS	1.000	NPOC:91.18 mg/L		5/11/2015 8:32:39 PM	11
23	SI2946-2	1.000	NPOC:0.9667 mg/L		5/11/2015 8:45:31 PM	12
24	SI2946-2 DUP	1.000	NPOC:0.9079 mg/L		5/11/2015 8:56:11 PM	12
25	SI2946-3	1.000	NPOC:7.325 mg/L		5/11/2015 9:09:50 PM	13
26	SI2946-4	1.000	NPOC:2.676 mg/L		5/11/2015 9:23:10 PM	14
27	SI2946-5	1.000	NPOC:1.455 mg/L		5/11/2015 9:36:08 PM	15
28	CCV	1.000	NPOC:97.97 mg/L	98%	5/11/2015 9:51:34 PM	62
29	BLANK	1.000	NPOC:0.05858 mg/L		5/11/2015 10:03:28 PM	66
30	LCS	1.000	NPOC:51.43 mg/L	102%	5/11/2015 10:18:31 PM	60
31	SI2946-6	1.000	NPOC:522.0 mg/L	rerun	5/11/2015 10:41:24 PM	16
32	SI2946-7	1.000	NPOC:120.7 mg/L	rerun	5/11/2015 10:59:07 PM	17
33	SI2946-8	1.000	NPOC:49.97 mg/L		5/11/2015 11:14:07 PM	18
34	SI2946-9	1.000	NPOC:552.4 mg/L		5/11/2015 11:35:08 PM	19
35	SI2946-10	1.000	NPOC:31.15 mg/L		5/11/2015 11:49:07 PM	20
36	SI2946-11	1.000	NPOC:0.07037 mg/L	Needle Clog	5/12/2015 12:00:12 AM	21
37	SI2946-12	1.000	NPOC:2.135 mg/L		5/12/2015 12:13:17 AM	22
38	SI2946-13	1.000	NPOC:7.916 mg/L		5/12/2015 12:26:57 AM	23
39	SI2946-14	1.000	NPOC:33.13 mg/L		5/12/2015 12:41:37 AM	24
40	CCV	1.000	NPOC:97.72 mg/L	98%	5/12/2015 12:57:03 AM	63
41	BLANK	1.000	NPOC:0.06624 mg/L		5/12/2015 1:09:03 AM	66
42	SI2947-1	1.000	NPOC:1.779 mg/L		5/12/2015 1:22:08 AM	25
43	SI2947-1 MS	1.000	NPOC:91.95 mg/L		5/12/2015 1:37:32 AM	26
44	SI2987-1	1.000	NPOC:19.38 mg/L		5/12/2015 1:51:43 AM	27
45	SI2987-2	1.000	NPOC:0.3792 mg/L		5/12/2015 2:04:11 AM	28
46	SI2988-1	1.000	NPOC:5.107 mg/L		5/12/2015 2:17:43 AM	29
47	SI2988-2	1.000	NPOC:0.3503 mg/L		5/12/2015 2:30:07 AM	30
48	SI2993-2	1.000	NPOC:0.2057 mg/L		5/12/2015 2:42:28 AM	31
49	SI2994-1	1.000	NPOC:0.2482 mg/L		5/12/2015 2:54:45 AM	32
50	SI2994-1 MS	1.000	NPOC:89.35 mg/L		5/12/2015 3:09:59 AM	33
51	SI3004-1	1.000	NPOC:53.88 mg/L		5/12/2015 3:24:44 AM	34
52	CCV	1.000	NPOC:97.34 mg/L	97%	5/12/2015 3:40:20 AM	63
53	BLANK	1.000	NPOC:0.1076 mg/L		5/12/2015 3:52:19 AM	66
54	LCS	1.000	NPOC:51.20 mg/L	102%	5/12/2015 4:07:23 AM	60
55	SI3004-1 DUP	1.000	NPOC:54.06 mg/L		5/12/2015 4:22:30 AM	34
56	SI3031-1	1.000	NPOC:46.28 mg/L		5/12/2015 4:39:36 AM	35
57	SI3031-2	1.000	NPOC:46.39 mg/L		5/12/2015 4:57:09 AM	36
58	SI3031-3	1.000	NPOC:4.264 mg/L		5/12/2015 5:10:23 AM	37
59	SI3032-1	1.000	NPOC:7.237 mg/L		5/12/2015 5:24:04 AM	38
60	SI3032-2	1.000	NPOC:3.319 mg/L		5/12/2015 5:37:20 AM	39
61	SI3032-3	1.000	NPOC:3.531 mg/L		5/12/2015 5:50:46 AM	40
62	SI3032-4	1.000	NPOC:22.80 mg/L		5/12/2015 6:05:22 AM	41
63	SI3032-5	1.000	NPOC:22.88 mg/L		5/12/2015 6:19:52 AM	42
64	CCV	1.000	NPOC:96.89 mg/L	97%	5/12/2015 6:35:34 AM	64
65	BLANK	1.000	NPOC:0.1107 mg/L		5/12/2015 6:47:43 AM	67
66	SI3032-6	1.000	NPOC:0.1372 mg/L		5/12/2015 6:59:51 AM	43
67	SI3032-6 MS	1.000	NPOC:88.80 mg/L		5/12/2015 7:15:11 AM	44

	Sample Name	Dilution	Result	Comment	Date / Time	Vial
68	SI2946-9	2.000	NPOC:188.5 mg/L	reported	5/12/2015 7:30:37 AM	45
69	SI2946-9	4.000	NPOC:187.6 mg/L		5/12/2015 7:45:36 AM	46
70	SI2946-6	2.000	NPOC:32.84 mg/L	reported	5/12/2015 7:59:57 AM	47
71	SI2946-6	4.000	NPOC:26.88 mg/L		5/12/2015 8:13:32 AM	48
72	SI2946-11	2.000	NPOC:42.04 mg/L		5/12/2015 8:28:12 AM	49
73	SI2946-11	4.000	NPOC:36.32 mg/L		5/12/2015 8:41:53 AM	50
74	SI2946-11	10.00	NPOC:47.37 mg/L		5/12/2015 8:55:25 AM	51
75	SI2946-11	1.000	NPOC:38.68 mg/L	reported	5/12/2015 9:18:58 AM	53
76	CCV	1.000	NPOC:96.37 mg/L	96%	5/12/2015 9:34:37 AM	64
77	BLANK	1.000	NPOC:0.000 mg/L		5/12/2015 9:46:02 AM	67

Instr.Information

System	TOC-Vcph / ASI-V
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Control Sample

Sample Name:	ALK CHECK
Sample ID:	<Untitled>
Method:	ALK CHECK DOUBLE INJECTION.tpl
Chk. Result	Control value: 0.1259 / Control within range!

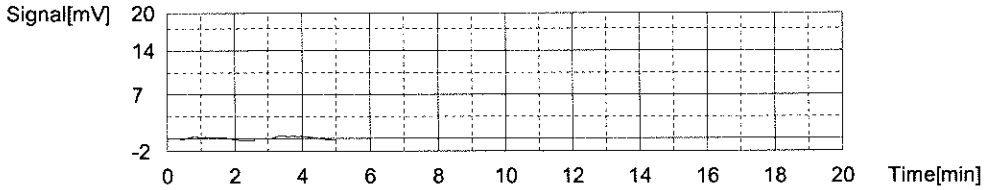
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:0.1259 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.419	0.1336mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 3:48:28 PM
2	2.139	0.1182mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 3:51:04 PM

Mean Area	2.279
Mean Conc.	0.1259mg/L



Control Sample

Sample Name:	CCV
Sample ID:	<Untitled>
Method:	CCVDOUBLEINJECTION.tpl
Chk. Result	Control value: 98.08 / Control within range!

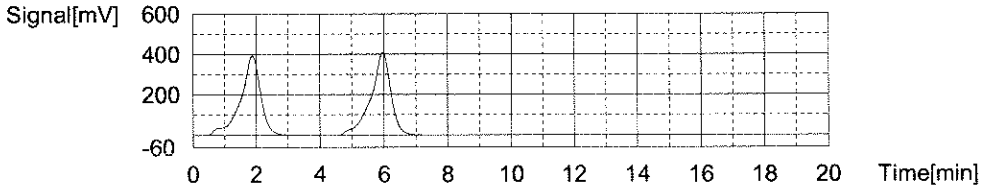
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:98.08 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1766	97.56mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 4:02:57 PM
2	1785	98.61mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 4:07:18 PM

Mean Area	1776
Mean Conc.	98.08mg/L



Control Sample

Sample Name: BLANK
Sample ID: <Untitled>
Method: BLANKDOUBLEINJECTION.tpl
Chk. Result Control value: 0.2247 / Control within range!

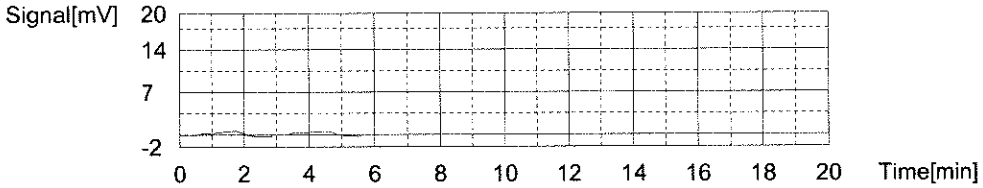
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:0.2247 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.421	0.2442mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 4:17:46 PM
2	3.714	0.2052mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 4:20:42 PM

Mean Area 4.067
Mean Conc. 0.2247mg/L



Control Sample

Sample Name: BLANK
Sample ID: <Untitled>
Method: BLANKDOUBLEINJECTION.tpl
Chk. Result Control value: 0.03657 / Control within range!

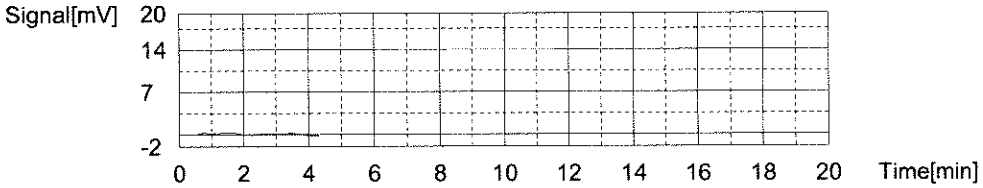
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:0.03657 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.000mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 4:32:27 PM
2	1.324	0.07314mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 4:35:05 PM

Mean Area 0.6620
Mean Conc. 0.03657mg/L



Control Sample

Sample Name: LCS
Sample ID: <Untitled>
Method: LCSDOUBLEINJECTION.tpl
Chk. Result Control value: 52.53 / Control within range!

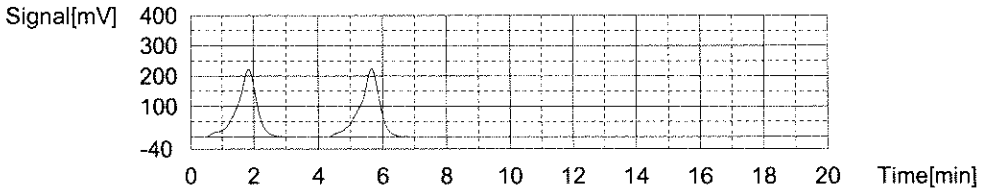
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:52.53 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	947.2	52.33mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 4:46:35 PM
2	954.5	52.73mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 4:50:37 PM

Mean Area 950.9
Mean Conc. 52.53mg/L



Control Sample

Sample Name: LCSD
Sample ID: <Untitled>
Method: LCSDOUBLEINJECTION.tpl
Chk. Result Control value: 51.48 / Control within range!

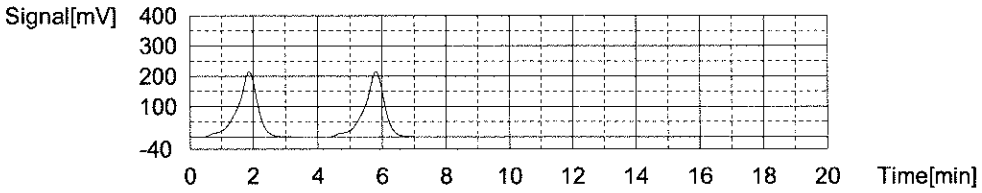
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:51.48 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	933.5	51.57mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 5:01:58 PM
2	930.3	51.39mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 5:06:01 PM

Mean Area 931.9
Mean Conc. 51.48mg/L



Sample

Sample Name: Si2881-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

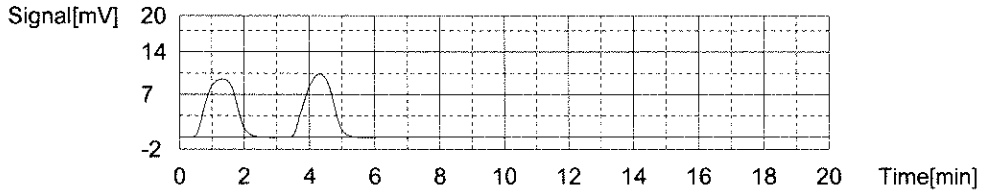
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.320 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	59.94	3.311mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 5:16:25 PM
2	60.26	3.329mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 5:19:38 PM

Mean Area 60.10
Mean Conc. 3.320mg/L



Sample

Sample Name: SI2881-1 DUP
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

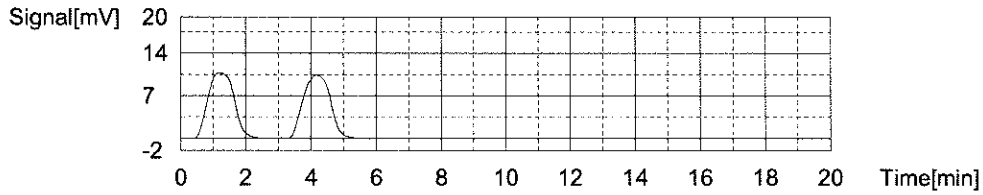
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.312 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	60.42	3.338mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 5:27:29 PM
2	59.50	3.287mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 5:30:38 PM

Mean Area 59.96
Mean Conc. 3.312mg/L



Sample

Sample Name: SI2881-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

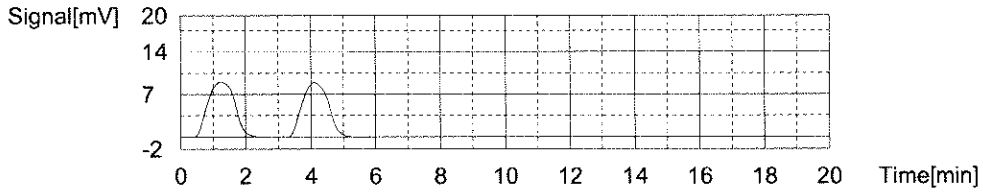
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.817 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	51.80	2.862mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 5:40:40 PM
2	50.19	2.773mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 5:43:48 PM

Mean Area 51.00
Mean Conc. 2.817mg/L



Sample

Sample Name: SI2881-2 MS
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

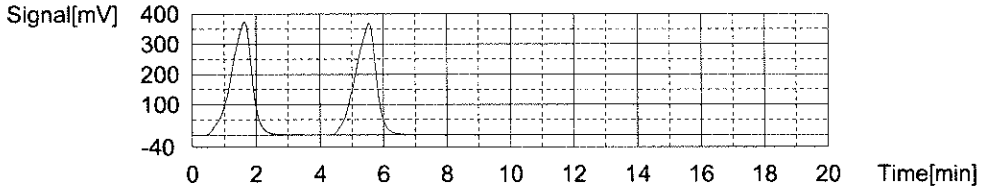
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:94.69 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1710	94.46mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 5:55:00 PM
2	1718	94.91mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 5:59:00 PM

Mean Area 1714
Mean Conc. 94.69mg/L



Sample

Sample Name: SI2881-2 MSD
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

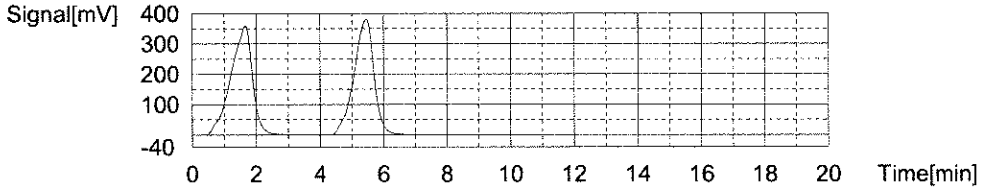
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:94.55 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1706	94.24mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 6:07:53 PM
2	1717	94.85mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 6:11:53 PM

Mean Area 1712
Mean Conc. 94.55mg/L



Sample

Sample Name: SI2881-3
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

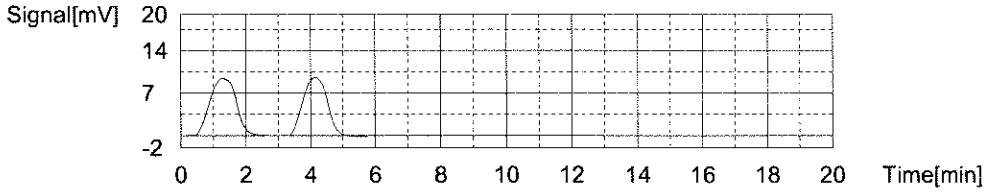
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.848 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	52.28	2.888mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 6:21:54 PM
2	50.82	2.807mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 6:24:57 PM

Mean Area 51.55
Mean Conc. 2.848mg/L



Sample

Sample Name: SI2881-4
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

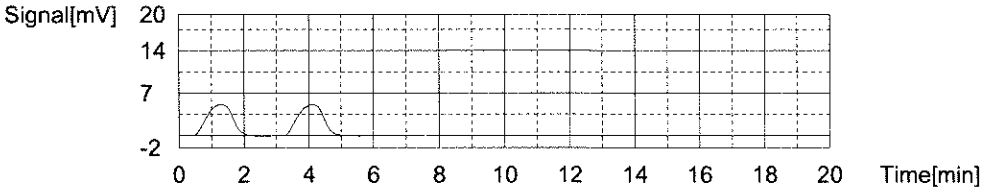
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.538 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	27.83	1.537mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 6:34:52 PM
2	27.85	1.538mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 6:37:50 PM

Mean Area 27.84
Mean Conc. 1.538mg/L



Sample

Sample Name: SI2881-5
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

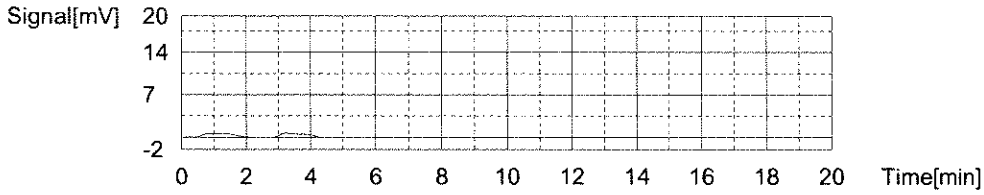
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1762 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.002	0.1658mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 6:47:21 PM
2	3.376	0.1865mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 6:50:02 PM

Mean Area 3.189
Mean Conc. 0.1762mg/L



Control Sample

Sample Name: CCV
Sample ID: <Untitled>
Method: CCVDOUBLEINJECTION.tpl
Chk. Result Control value: 98.17 / Control within range!

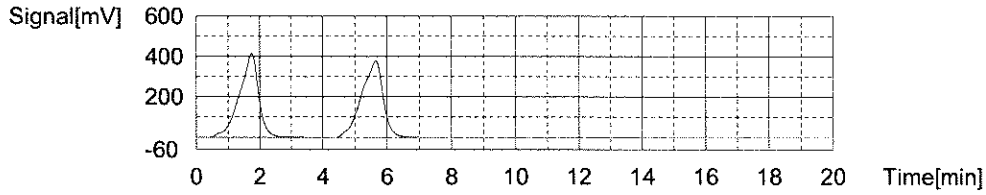
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:98.17 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1764	97.45mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 7:01:23 PM
2	1790	98.88mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 7:05:27 PM

Mean Area 1777
Mean Conc. 98.17mg/L



Control Sample

Sample Name: BLANK
Sample ID: <Untitled>
Method: BLANKDOUBLEINJECTION.tpl
Chk. Result Control value: 0.000 / Control within range!

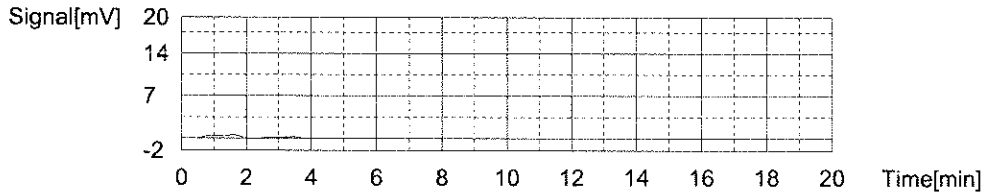
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:0.000 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.000mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 7:14:35 PM
2	0.000	0.000mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 7:16:42 PM

Mean Area 0.000
Mean Conc. 0.000mg/L



Control Sample

Sample Name: BLANK
Sample ID: <Untitled>
Method: BLANKDOUBLEINJECTION.tpl
Chk. Result Control value: 0.000 / Control within range!

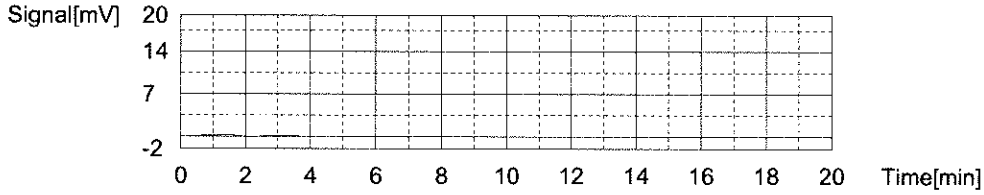
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:0.000 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.000mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 7:23:33 PM
2	0.000	0.000mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 7:25:39 PM

Mean Area 0.000
Mean Conc. 0.000mg/L



Sample

Sample Name: SI2927-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

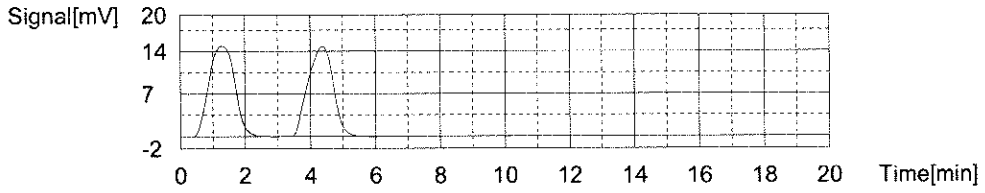
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.512 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	82.93	4.581mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 7:36:00 PM
2	80.43	4.443mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 7:39:12 PM

Mean Area 81.68
Mean Conc. 4.512mg/L



Sample

Sample Name: SI2927-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

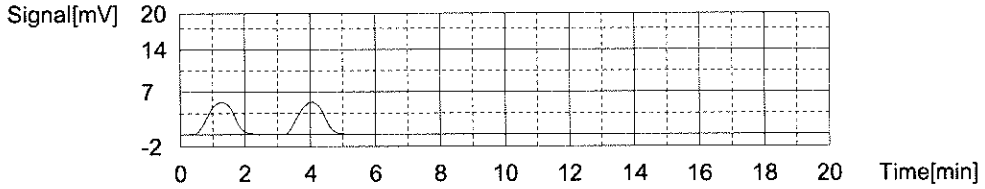
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.567 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	28.35	1.566mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 7:49:05 PM
2	28.40	1.569mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 7:52:06 PM

Mean Area 28.38
Mean Conc. 1.567mg/L



Sample

Sample Name: SI2927-3
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

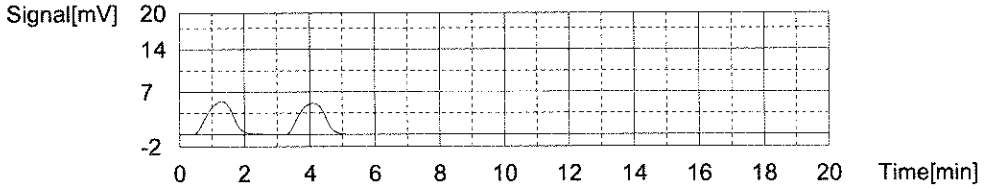
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.580 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	29.16	1.611mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 8:02:02 PM
2	28.06	1.550mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 8:05:01 PM

Mean Area 28.61
Mean Conc. 1.580mg/L



Sample

Sample Name: SI2946-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

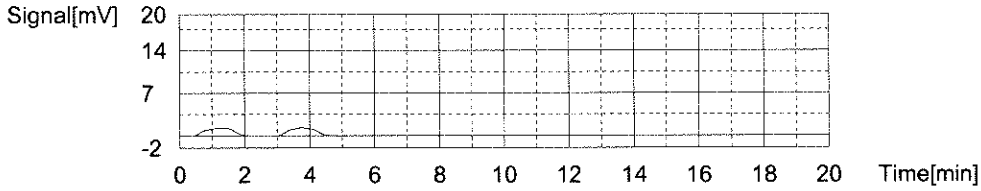
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3989 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.262	0.4012mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 8:14:42 PM
2	7.179	0.3966mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 8:17:28 PM

Mean Area 7.221
Mean Conc. 0.3989mg/L



Sample

Sample Name: SI2946-1 MS
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

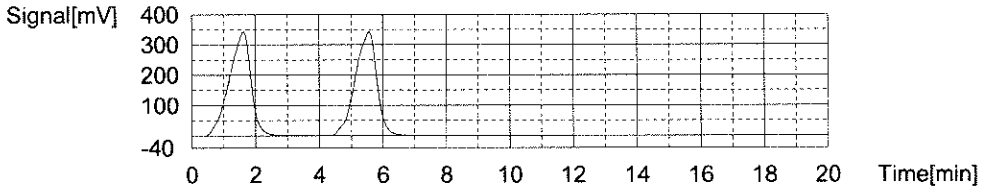
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:91.18 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1642	90.71mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 8:28:31 PM
2	1659	91.65mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 8:32:39 PM

Mean Area 1651
Mean Conc. 91.18mg/L



Sample

Sample Name: SI2946-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

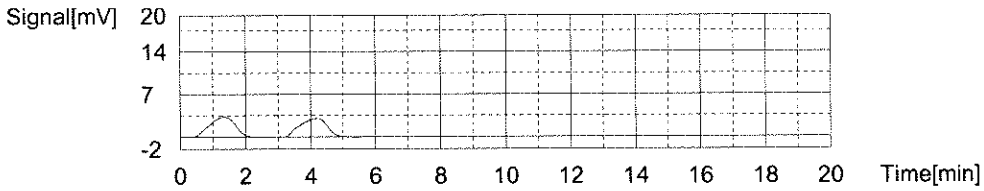
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9667 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	17.55	0.9695mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 8:42:32 PM
2	17.45	0.9640mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 8:45:31 PM

Mean Area 17.50
Mean Conc. 0.9667mg/L



Sample

Sample Name: SI2946-2 DUP
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

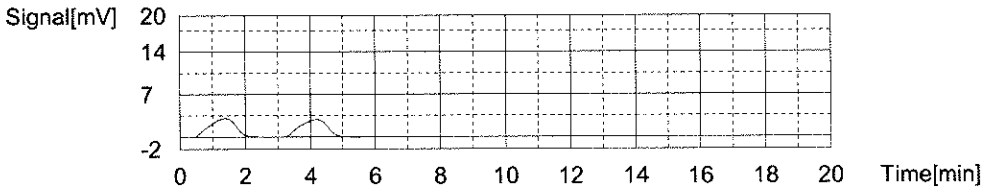
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.9079 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	16.66	0.9203mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 8:53:15 PM
2	16.21	0.8955mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 8:56:11 PM

Mean Area 16.44
Mean Conc. 0.9079mg/L



Sample

Sample Name: SI2946-3
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

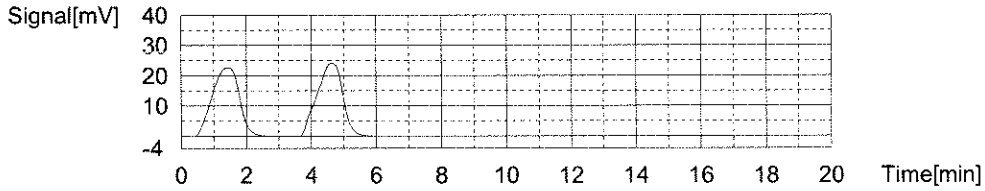
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.325 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	131.8	7.281mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 9:06:30 PM
2	133.4	7.369mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 9:09:50 PM

Mean Area 132.6
Mean Conc. 7.325mg/L



Sample

Sample Name: SI2946-4
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

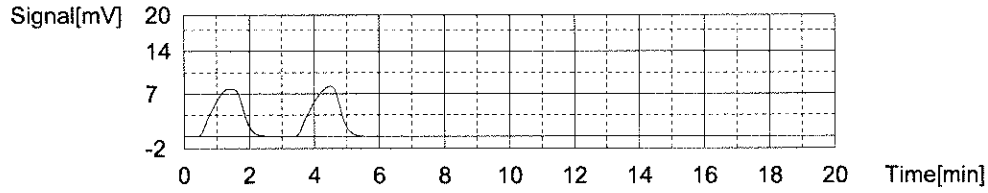
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.676 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	48.02	2.653mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 9:19:56 PM
2	48.86	2.699mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 9:23:10 PM

Mean Area 48.44
Mean Conc. 2.676mg/L



Sample

Sample Name: SI2946-5
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

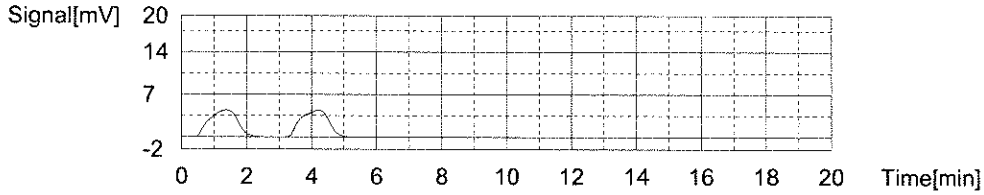
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.455 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	26.25	1.450mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 9:33:06 PM
2	26.42	1.459mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 9:36:08 PM

Mean Area 26.34
Mean Conc. 1.455mg/L



Control Sample

Sample Name: CCV
Sample ID: <Untitled>
Method: CCVDOUBLEINJECTION.tpl
Chk. Result Control value: 97.97 / Control within range!

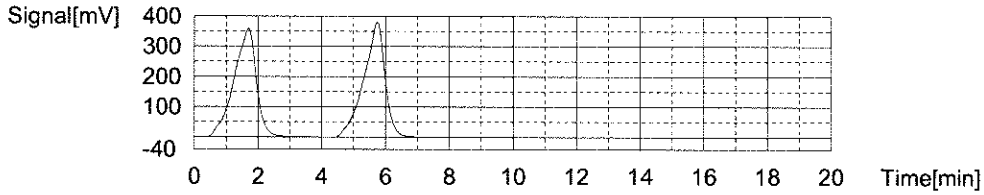
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:97.97 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1768	97.67mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 9:47:25 PM
2	1779	98.28mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 9:51:34 PM

Mean Area 1774
Mean Conc. 97.97mg/L



Control Sample

Sample Name: BLANK
Sample ID: <Untitled>
Method: BLANKDOUBLEINJECTION.tpl
Chk. Result Control value: 0.05858 / Control within range!

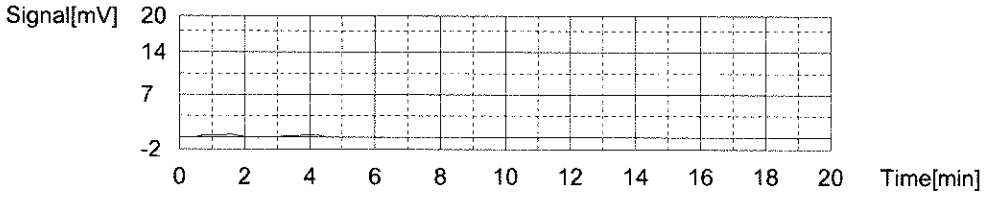
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:0.05858 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.121	0.1172mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 10:01:22 PM
2	0.000	0.000mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 10:03:28 PM

Mean Area 1.061
Mean Conc. 0.05858mg/L



Control Sample

Sample Name: LCS
Sample ID: <Untitled>
Method: LCSDOUBLEINJECTION.tpl
Chk. Result Control value: 51.43 / Control within range!

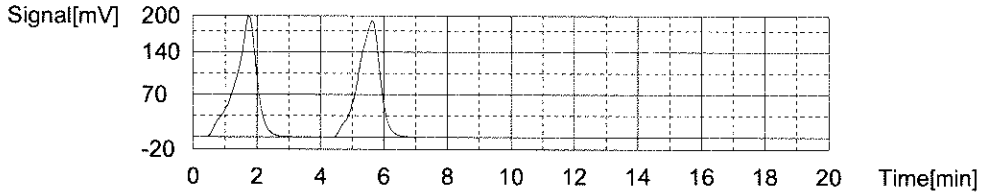
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:51.43 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	927.1	51.21mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 10:14:39 PM
2	934.8	51.64mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 10:18:31 PM

Mean Area 931.0
Mean Conc. 51.43mg/L



Sample

Sample Name: SI2946-6
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

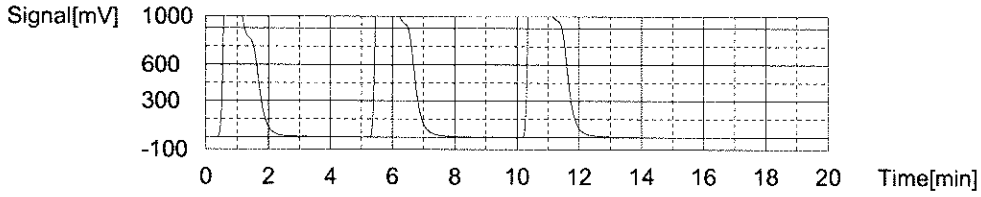
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:522.0 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7903	436.6mg/L	150uL	1	E	toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 10:30:43 PM
2	9371	517.7mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 10:36:04 PM
3	9529	526.4mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 10:41:24 PM

Mean Area 9450
Mean Conc. 522.0mg/L



Sample

Sample Name: SI2946-7
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

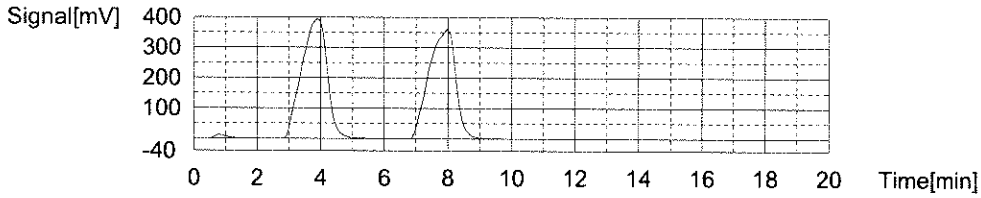
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:120.7 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	31.21	1.724mg/L	150uL	1	E	toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 10:50:47 PM
2	2234	123.4mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 10:54:58 PM
3	2136	118.0mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 10:59:07 PM

Mean Area 2185
Mean Conc. 120.7mg/L



Sample

Sample Name: SI2946-8
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

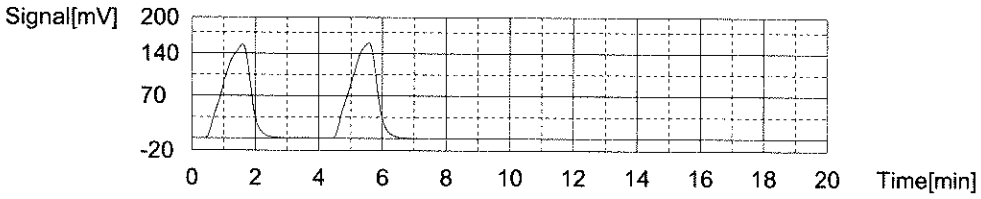
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:49.97 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	902.7	49.87mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 11:10:06 PM
2	906.6	50.08mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 11:14:07 PM

Mean Area 904.7
Mean Conc. 49.97mg/L



Sample

Sample Name: SI2946-9
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

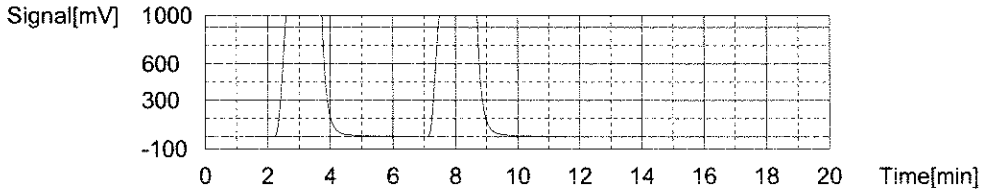
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:552.4 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.8213	0.04537mg/L	150uL	1	E	toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 11:23:01 PM
2	9999	552.4mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 11:28:07 PM
3	9999	552.4mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 11:35:08 PM

Mean Area 9999
Mean Conc. 552.4mg/L



Sample

Sample Name: SI2946-10
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

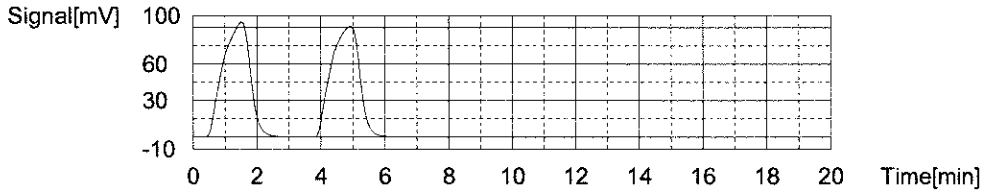
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:31.15 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	562.2	31.06mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 11:45:30 PM
2	565.5	31.24mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 11:49:07 PM

Mean Area 563.9
Mean Conc. 31.15mg/L



Sample

Sample Name: SI2946-11
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

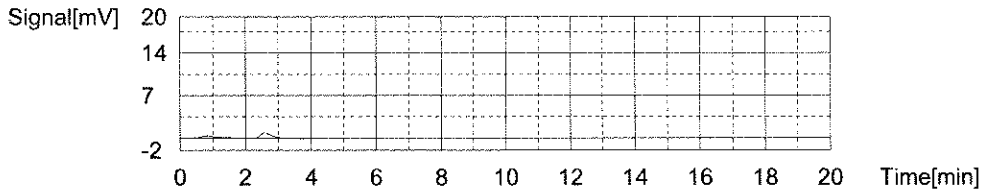
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.07037 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.5746	0.03174mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/11/2015 11:58:01 PM
2	1.973	0.1090mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 12:00:12 AM

Mean Area 1.274
Mean Conc. 0.07037mg/L



Sample

Sample Name: SI2946-12
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

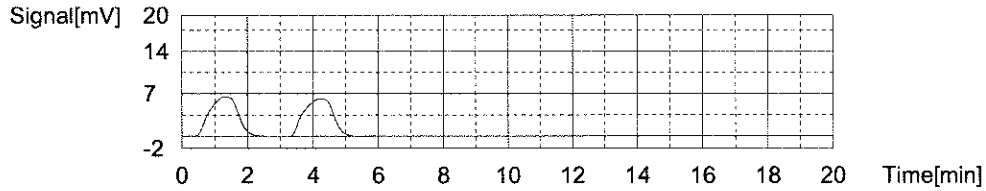
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:2.135 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	38.67	2.136mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 12:10:11 AM
2	38.64	2.135mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 12:13:17 AM

Mean Area 38.66
Mean Conc. 2.135mg/L



Sample

Sample Name: SI2946-13
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

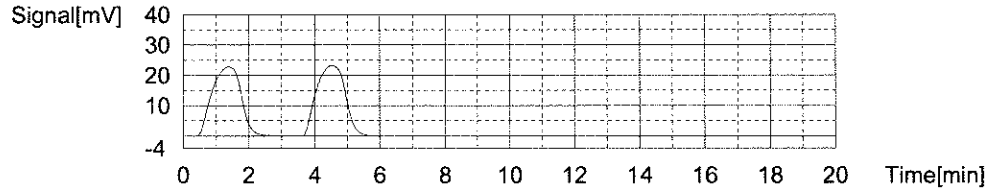
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.916 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	142.2	7.855mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 12:23:35 AM
2	144.4	7.977mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 12:26:57 AM

Mean Area 143.3
Mean Conc. 7.916mg/L



Sample

Sample Name: SI2946-14
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

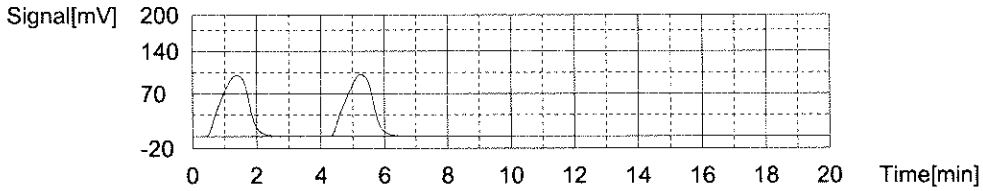
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:33.13 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	598.0	33.03mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 12:37:55 AM
2	601.4	33.22mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 12:41:37 AM

Mean Area 599.7
Mean Conc. 33.13mg/L



Control Sample

Sample Name: CCV
Sample ID: <Untitled>
Method: CCVDOUBLEINJECTION.tpl
Chk. Result Control value: 97.72 / Control within range!

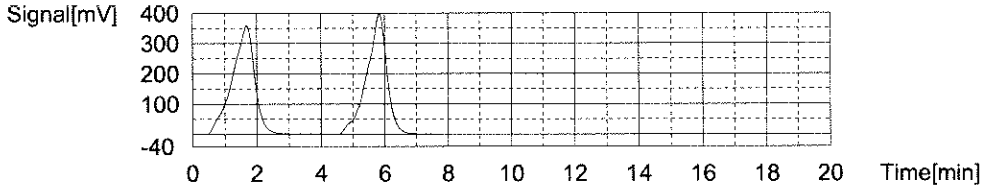
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:97.72 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1768	97.67mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 12:52:56 AM
2	1770	97.78mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 12:57:03 AM

Mean Area 1769
Mean Conc. 97.72mg/L



Control Sample

Sample Name: BLANK
Sample ID: <Untitled>
Method: BLANKDOUBLEINJECTION.tpl
Chk. Result Control value: 0.06624 / Control within range!

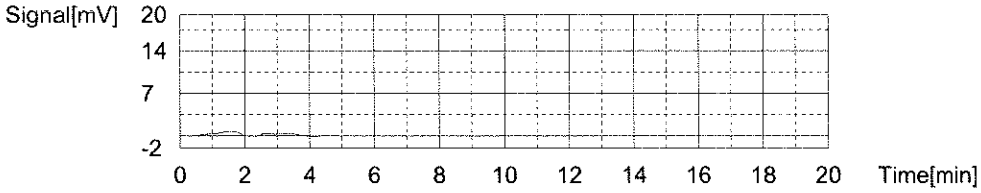
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:0.06624 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.000mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 1:06:11 AM
2	2.398	0.1325mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 1:09:03 AM

Mean Area 1.199
Mean Conc. 0.06624mg/L



Sample

Sample Name: SI2947-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

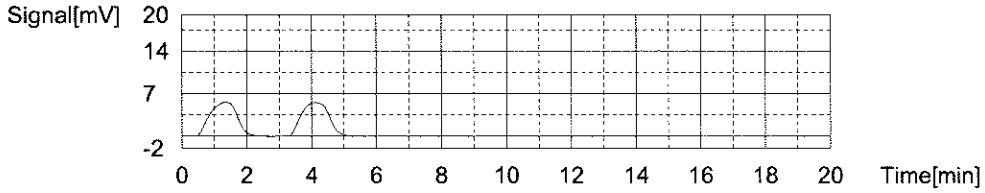
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.779 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.09	1.773mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 1:19:06 AM
2	32.30	1.784mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 1:22:08 AM

Mean Area 32.20
Mean Conc. 1.779mg/L



Sample

Sample Name: SI2947-1 MS
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

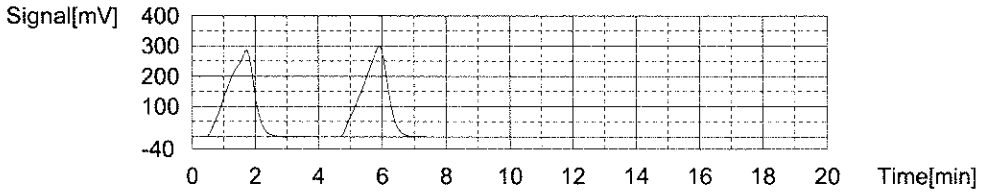
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:91.95 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1660	91.70mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 1:33:28 AM
2	1669	92.20mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 1:37:32 AM

Mean Area 1665
Mean Conc. 91.95mg/L



Sample

Sample Name: SI2987-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

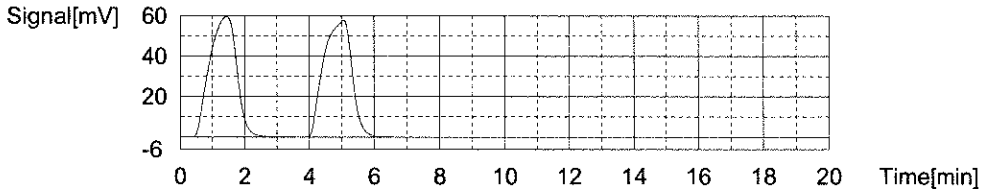
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:19.38 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	348.7	19.26mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 1:48:12 AM
2	353.0	19.50mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 1:51:43 AM

Mean Area 350.9
Mean Conc. 19.38mg/L



Sample

Sample Name: SI2987-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

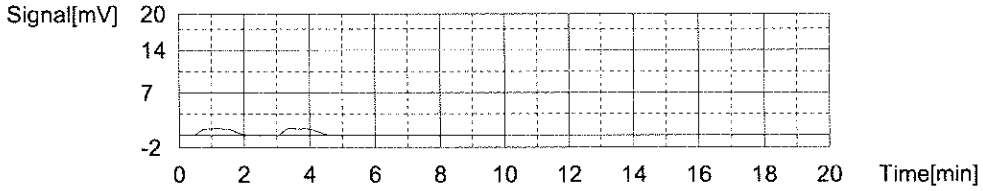
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3792 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.912	0.3818mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 2:01:25 AM
2	6.816	0.3765mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 2:04:11 AM

Mean Area 6.864
Mean Conc. 0.3792mg/L



Sample

Sample Name: SI2988-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

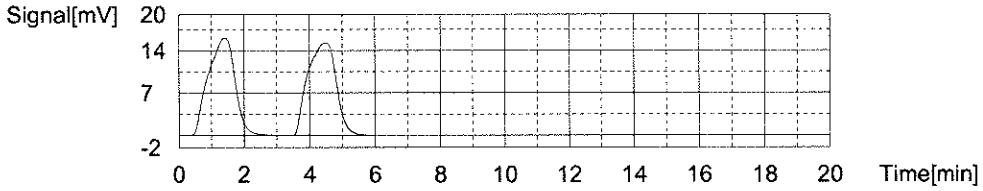
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.107 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	92.00	5.082mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 2:14:23 AM
2	92.91	5.133mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 2:17:43 AM

Mean Area 92.46
Mean Conc. 5.107mg/L



Sample

Sample Name: SI2988-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

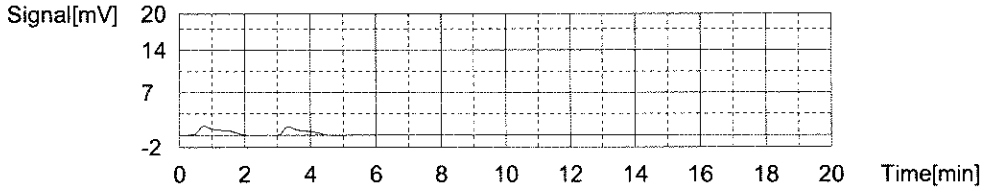
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3503 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.710	0.3707mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 2:27:24 AM
2	5.972	0.3299mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 2:30:07 AM

Mean Area 6.341
Mean Conc. 0.3503mg/L



Sample

Sample Name: SI2993-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

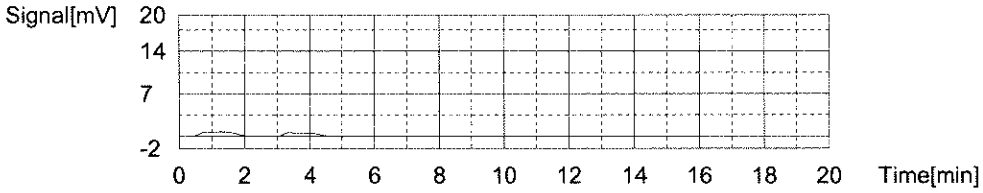
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2057 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.164	0.2300mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 2:39:48 AM
2	3.285	0.1815mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 2:42:28 AM

Mean Area 3.725
Mean Conc. 0.2057mg/L



Sample

Sample Name: SI2994-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

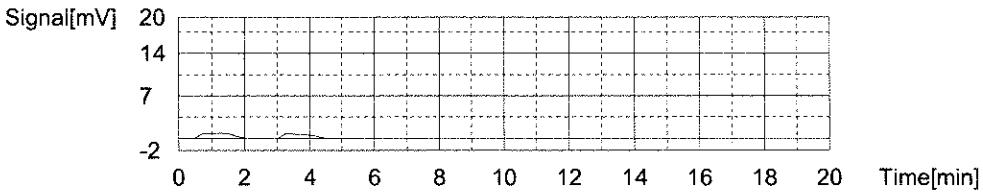
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2482 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.084	0.2809mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 2:52:08 AM
2	3.903	0.2156mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 2:54:45 AM

Mean Area 4.494
Mean Conc. 0.2482mg/L



Sample

Sample Name: SI2994-1 MS
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

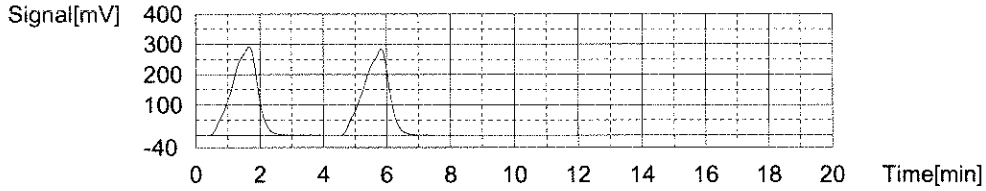
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:89.35 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1619	89.44mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 3:06:00 AM
2	1616	89.27mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 3:09:59 AM

Mean Area 1618
Mean Conc. 89.35mg/L



Sample

Sample Name: SI3004-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

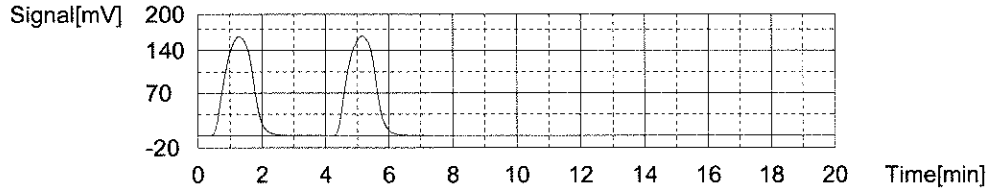
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:53.88 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	963.8	53.24mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 3:20:57 AM
2	987.0	54.52mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 3:24:44 AM

Mean Area 975.4
Mean Conc. 53.88mg/L



Control Sample

Sample Name: CCV
Sample ID: <Untitled>
Method: CCVDOUBLEINJECTION.tpl
Chk. Result Control value: 97.34 / Control within range!

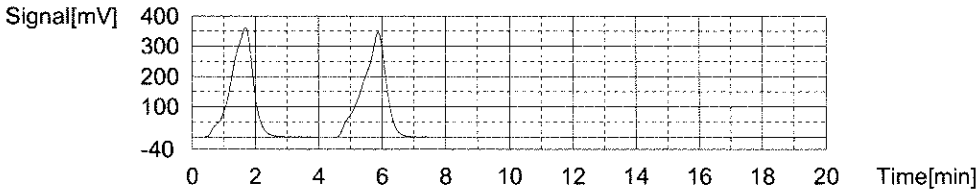
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:97.34 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1763	97.39mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 3:36:15 AM
2	1761	97.28mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 3:40:20 AM

Mean Area 1762
Mean Conc. 97.34mg/L



Control Sample

Sample Name: BLANK
Sample ID: <Untitled>
Method: BLANKDOUBLEINJECTION.tpl
Chk. Result Control value: 0.1076 / Control within range!

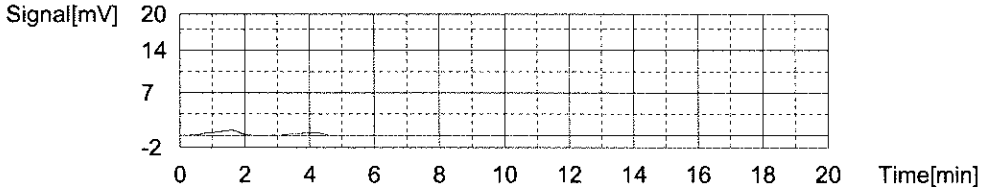
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:0.1076 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.896	0.2152mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 3:50:13 AM
2	0.000	0.000mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 3:52:19 AM

Mean Area 1.948
Mean Conc. 0.1076mg/L



Control Sample

Sample Name: LCS
Sample ID: <Untitled>
Method: LCSDOUBLEINJECTION.tpl
Chk. Result Control value: 51.20 / Control within range!

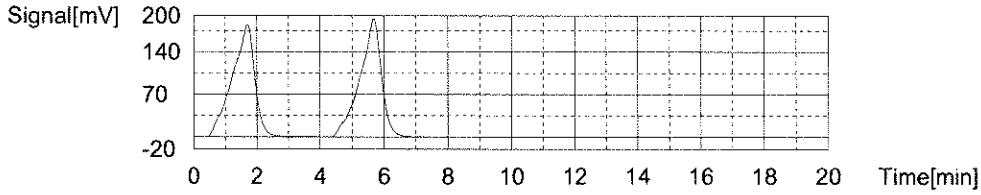
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:51.20 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	927.7	51.25mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 4:03:27 AM
2	925.9	51.15mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 4:07:23 AM

Mean Area 926.8
Mean Conc. 51.20mg/L



Sample

Sample Name: SI3004-1 DUP
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

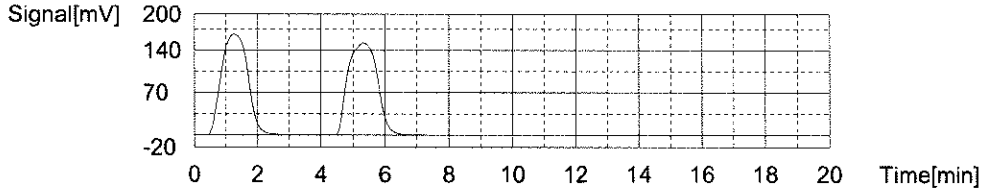
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:54.06 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	973.2	53.76mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 4:18:39 AM
2	984.0	54.36mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 4:22:30 AM

Mean Area 978.6
Mean Conc. 54.06mg/L



Sample

Sample Name: SI3031-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

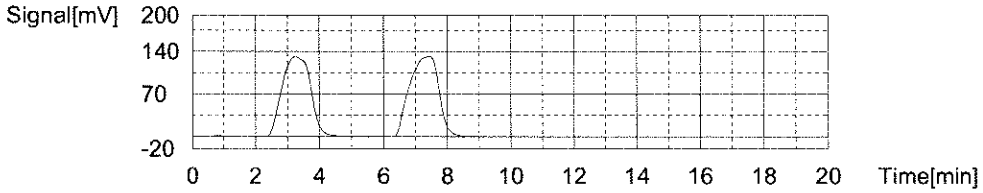
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:46.28 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.228	0.1231mg/L	150uL	1	E	toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 4:31:40 AM
2	832.7	46.00mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 4:35:51 AM
3	843.0	46.57mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 4:39:36 AM

Mean Area 837.9
Mean Conc. 46.28mg/L



Sample

Sample Name: SI3031-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

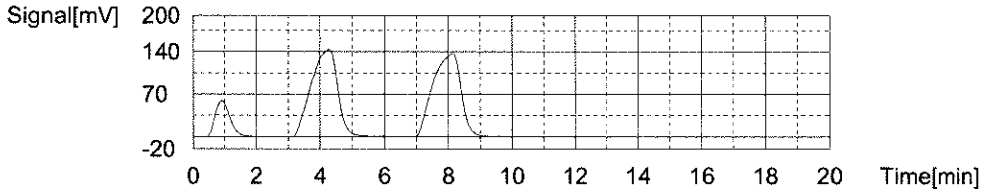
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:46.39 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	195.1	10.78mg/L	150uL	1	E	toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 4:49:18 AM
2	832.7	46.00mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 4:53:20 AM
3	846.7	46.77mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 4:57:09 AM

Mean Area 839.7
Mean Conc. 46.39mg/L



Sample

Sample Name: SI3031-3
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

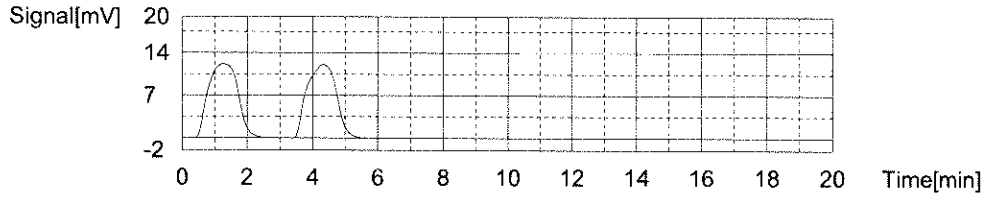
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.264 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	77.75	4.295mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 5:07:09 AM
2	76.62	4.233mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 5:10:23 AM

Mean Area 77.19
Mean Conc. 4.264mg/L



Sample

Sample Name: SI3032-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

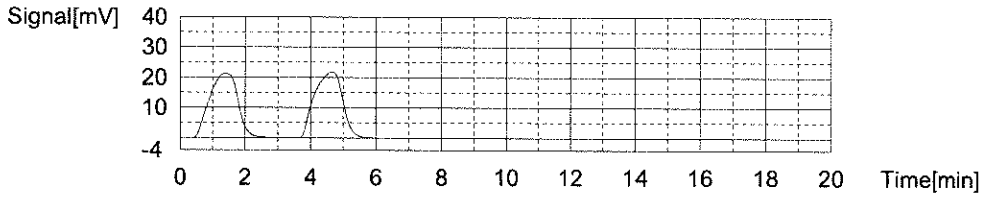
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.237 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	129.6	7.159mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 5:20:45 AM
2	132.4	7.314mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 5:24:04 AM

Mean Area 131.0
Mean Conc. 7.237mg/L



Sample

Sample Name: SI3032-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

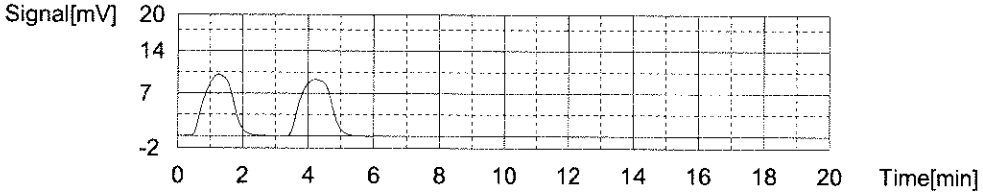
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.319 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	60.31	3.332mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 5:34:08 AM
2	59.84	3.306mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 5:37:20 AM

Mean Area 60.08
Mean Conc. 3.319mg/L



Sample

Sample Name: SI3032-3
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

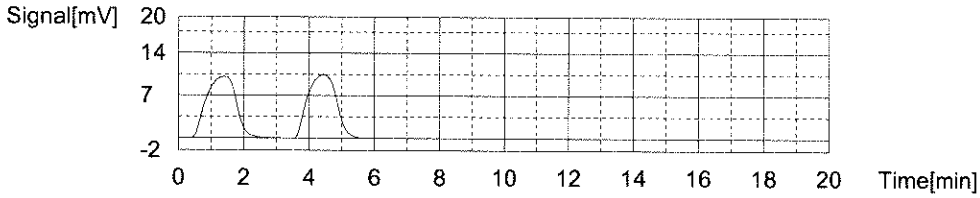
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.531 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	63.59	3.513mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 5:47:35 AM
2	64.24	3.549mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 5:50:46 AM

Mean Area 63.92
Mean Conc. 3.531mg/L



Sample

Sample Name: SI3032-4
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

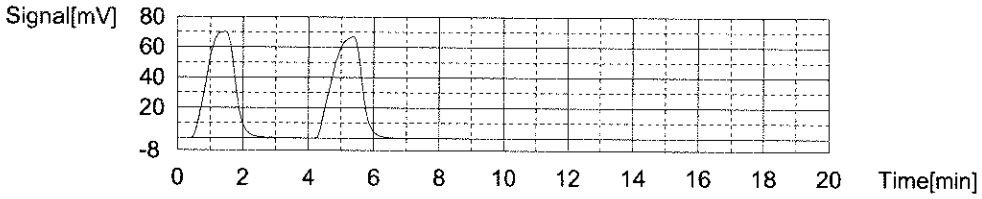
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.80 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	410.5	22.68mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 6:01:41 AM
2	414.8	22.91mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 6:05:22 AM

Mean Area 412.6
Mean Conc. 22.80mg/L



Sample

Sample Name: SI3032-5
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

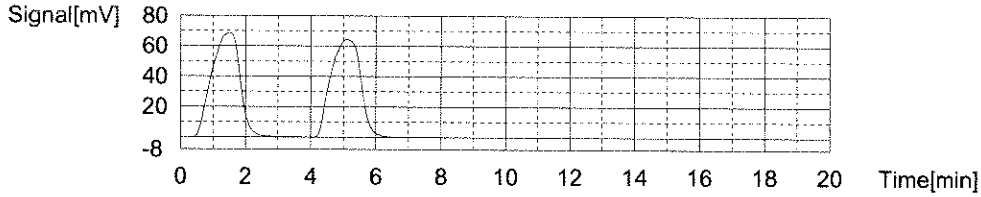
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.88 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	416.0	22.98mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 6:16:14 AM
2	412.5	22.79mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 6:19:52 AM

Mean Area 414.3
Mean Conc. 22.88mg/L



Control Sample

Sample Name: CCV
Sample ID: <Untitled>
Method: CCVDOUBLEINJECTION.tpl
Chk. Result Control value: 96.89 / Control within range!

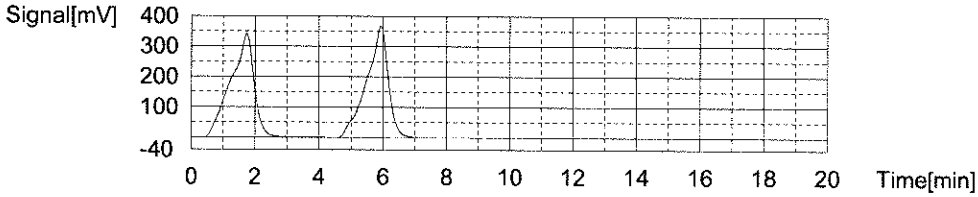
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:96.89 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1754	96.89mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 6:31:22 AM
2	1754	96.89mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 6:35:34 AM

Mean Area 1754
Mean Conc. 96.89mg/L



Control Sample

Sample Name: BLANK
Sample ID: <Untitled>
Method: BLANKDOUBLEINJECTION.tpl
Chk. Result Control value: 0.1107 / Control within range!

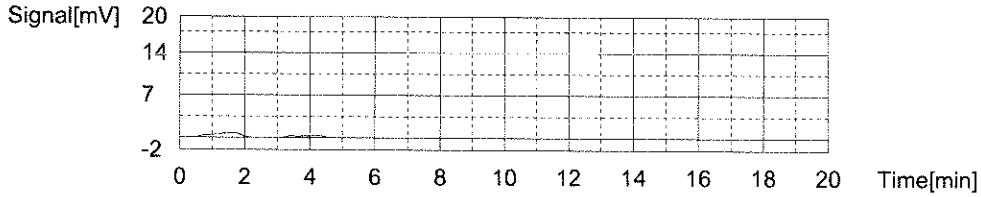
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:0.1107 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.006	0.2213mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 6:45:37 AM
2	0.000	0.000mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 6:47:43 AM

Mean Area 2.003
Mean Conc. 0.1107mg/L



Sample

Sample Name: SI3032-6
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

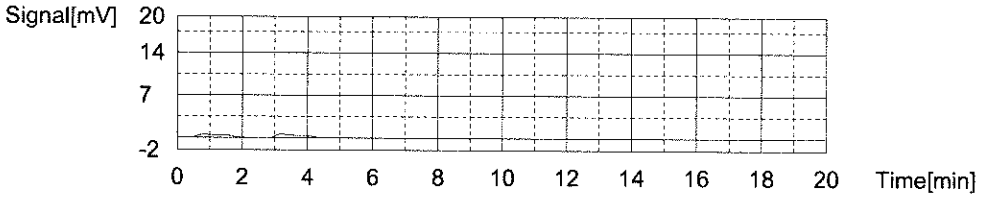
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1372 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.587	0.1429mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 6:57:17 AM
2	2.379	0.1314mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 6:59:51 AM

Mean Area 2.483
Mean Conc. 0.1372mg/L



Sample

Sample Name: SI3032-6 MS
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

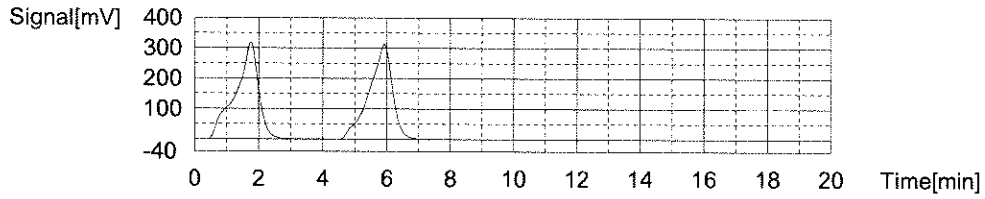
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:88.80 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1609	88.88mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 7:11:06 AM
2	1606	88.72mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 7:15:11 AM

Mean Area 1608
Mean Conc. 88.80mg/L



Sample

Sample Name: SI2946-9
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

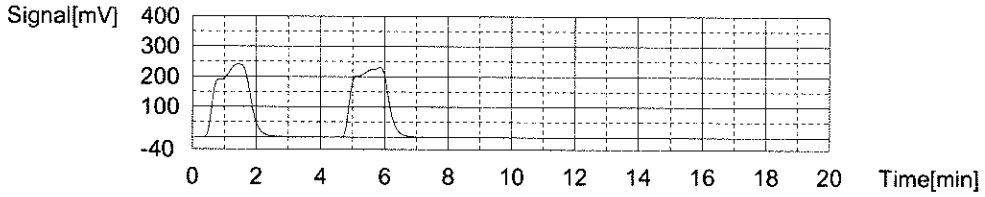
Type	Anal.	Dil.	Result
Unknown	NPOC	2.000	NPOC:188.5 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1695	187.3mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 7:26:36 AM
2	1717	189.7mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 7:30:37 AM

Mean Area 1706
Mean Conc. 188.5mg/L



Sample

Sample Name: SI2946-9
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

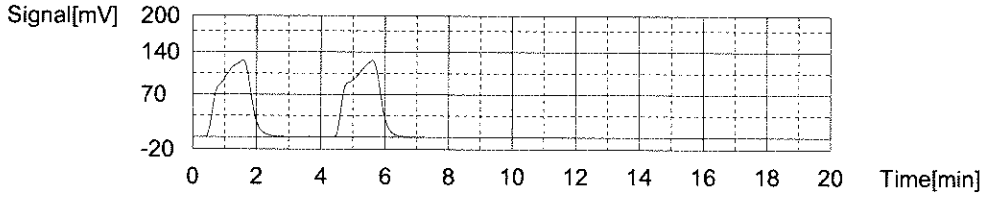
Type	Anal.	Dil.	Result
Unknown	NPOC	4.000	NPOC:187.6 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	846.4	187.0mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 7:41:45 AM
2	851.3	188.1mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 7:45:36 AM

Mean Area 848.9
Mean Conc. 187.6mg/L



Sample

Sample Name: SI2946-6
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

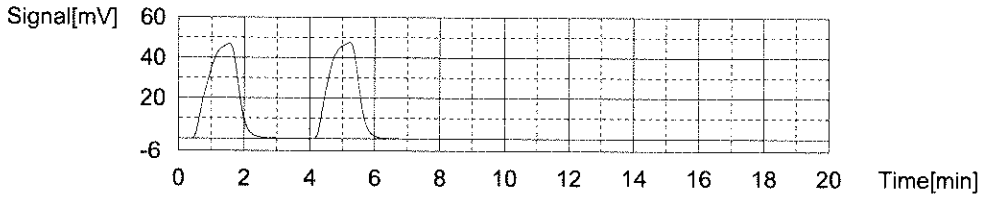
Type	Anal.	Dil.	Result
Unknown	NPOC	2.000	NPOC:32.84 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	296.0	32.70mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 7:56:27 AM
2	298.5	32.98mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 7:59:57 AM

Mean Area 297.3
Mean Conc. 32.84mg/L



Sample

Sample Name: SI2946-6
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

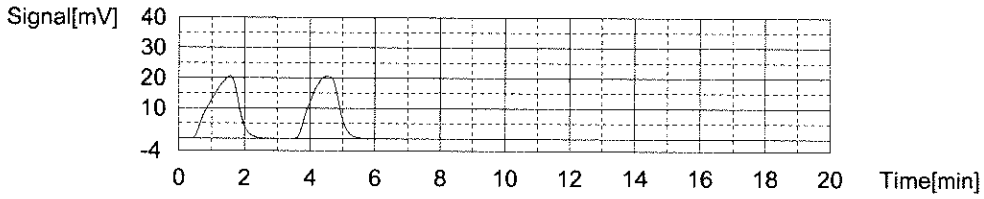
Type	Anal.	Dil.	Result
Unknown	NPOC	4.000	NPOC:26.88 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	121.0	26.74mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 8:10:14 AM
2	122.3	27.02mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 8:13:32 AM

Mean Area 121.7
Mean Conc. 26.88mg/L



Sample

Sample Name: SI2946-11
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

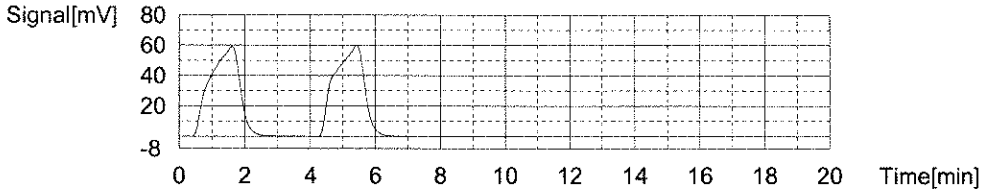
Type	Anal.	Dil.	Result
Unknown	NPOC	2.000	NPOC:42.04 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	375.9	41.53mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 8:24:32 AM
2	385.1	42.55mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 8:28:12 AM

Mean Area 380.5
Mean Conc. 42.04mg/L



Sample

Sample Name: SI2946-11
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

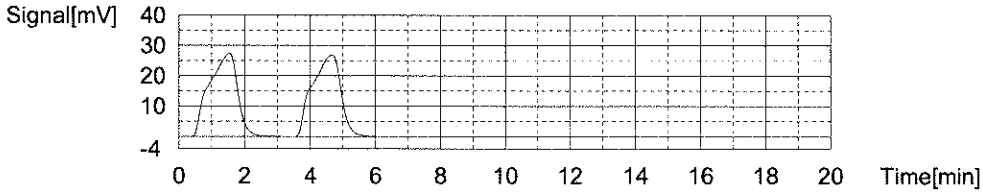
Type	Anal.	Dil.	Result
Unknown	NPOC	4.000	NPOC:36.32 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	163.9	36.22mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 8:38:31 AM
2	164.8	36.42mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 8:41:53 AM

Mean Area 164.4
Mean Conc. 36.32mg/L



Sample

Sample Name: SI2946-11
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

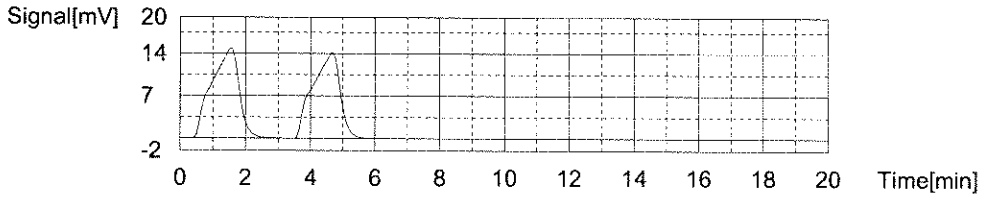
Type	Anal.	Dil.	Result
Unknown	NPOC	10.00	NPOC:47.37 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	86.81	47.96mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 8:52:08 AM
2	84.68	46.78mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 8:55:25 AM

Mean Area 85.75
Mean Conc. 47.37mg/L



Sample

Sample Name: SI2946-11
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

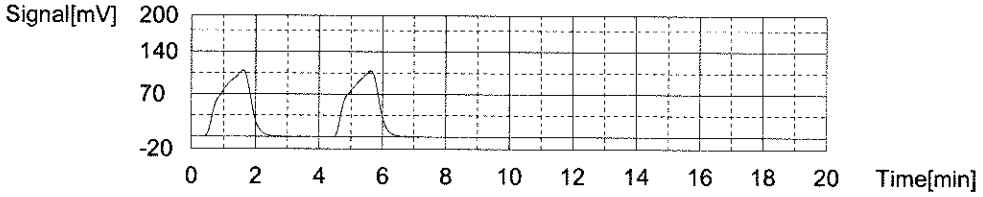
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:38.68 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	697.8	38.55mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 9:15:03 AM
2	702.6	38.81mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 9:18:58 AM

Mean Area 700.2
Mean Conc. 38.68mg/L



Control Sample

Sample Name: CCV
Sample ID: <Untitled>
Method: CCVDOUBLEINJECTION.tpl
Chk. Result Control value: 96.37 / Control within range!

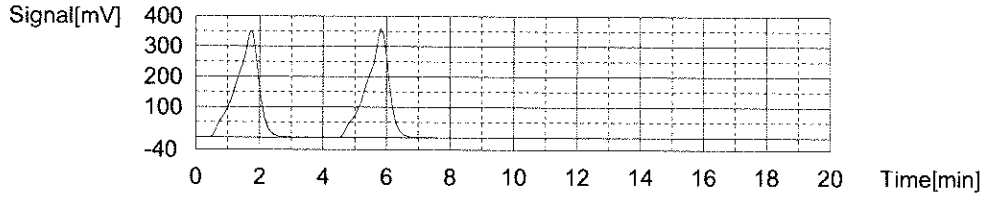
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:96.37 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1743	96.29mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 9:30:27 AM
2	1746	96.45mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 9:34:37 AM

Mean Area 1745
Mean Conc. 96.37mg/L



Control Sample

Sample Name: BLANK
Sample ID: <Untitled>
Method: BLANKDOUBLEINJECTION.tpl
Chk. Result Control value: 0.000 / Control within range!

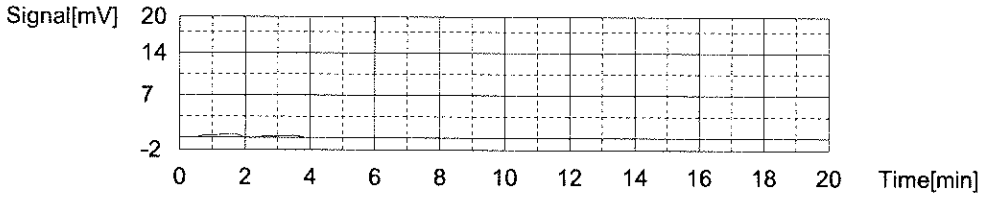
Type	Anal.	Dil.	Result
Control	NPOC	1.000	NPOC:0.000 mg/L

1. Det.

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	0.000	0.000mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 9:43:45 AM
2	0.000	0.000mg/L	150uL	1		toc aq cal 042115.2015_04_21_10_38_25.cal	5/12/2015 9:46:02 AM

Mean Area 0.000
Mean Conc. 0.000mg/L



Instr.Information

System	TOC-Vcph / ASI-V
Detector	Combustion
Catalyst	Regular Sensitivity
Cell Length	long

Cal. Curve

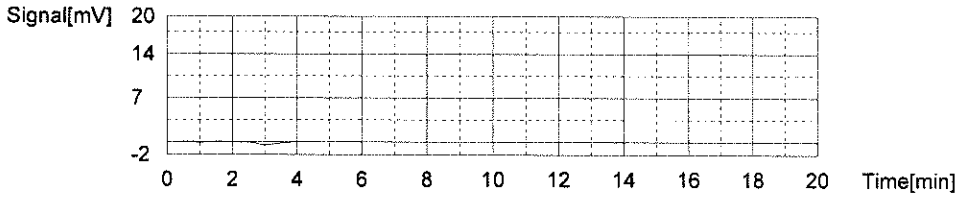
Sample Name:	Untitled
Sample ID:	Untitled
Cal. Curve:	toc aq cal 042115.2015_04_21_10_38_25.cal

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.000	150uL	1	*******		4/21/2015 10:47:23 AM
2	0.000	150uL	1	*******		4/21/2015 10:51:54 AM

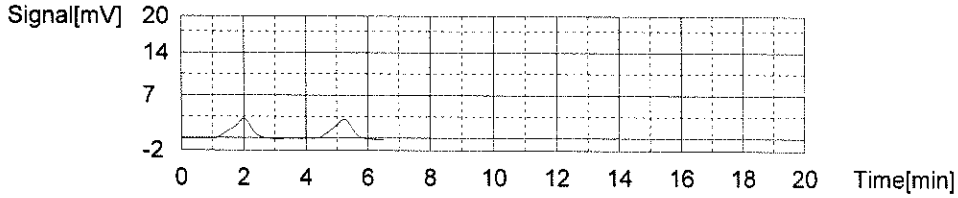
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	0.000



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	12.68	150uL	1	*******		4/21/2015 11:02:25 AM
2	12.95	150uL	1	*******		4/21/2015 11:08:17 AM

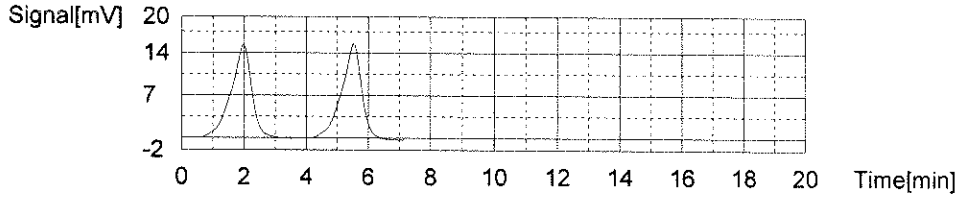
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	12.82



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	70.40	150uL	1	*******		4/21/2015 11:19:05 AM
2	70.95	150uL	1	*******		4/21/2015 11:25:17 AM

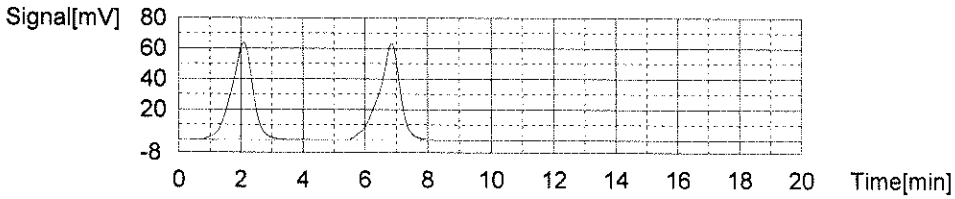
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	70.68



Conc: 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	309.0	150uL	1	*******		4/21/2015 11:37:19 AM
2	303.2	150uL	1	*******		4/21/2015 11:43:59 AM

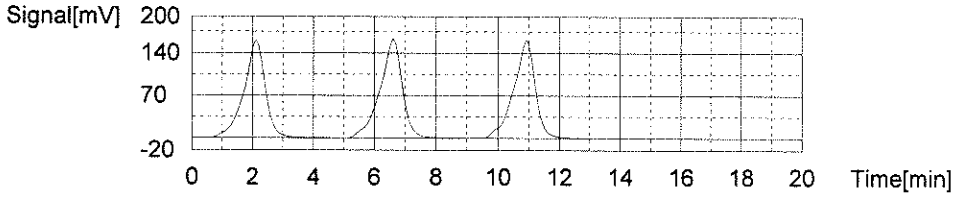
Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 306.1



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	792.8	150uL	1	*******		4/21/2015 11:55:47 AM
2	832.7	150uL	1	*******	E	4/21/2015 12:02:46 PM
3	798.2	150uL	1	*******		4/21/2015 12:09:38 PM

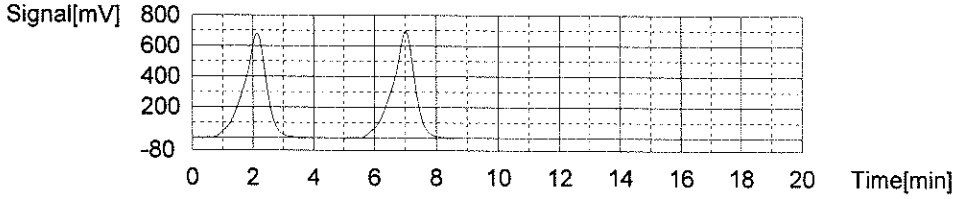
Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 795.5



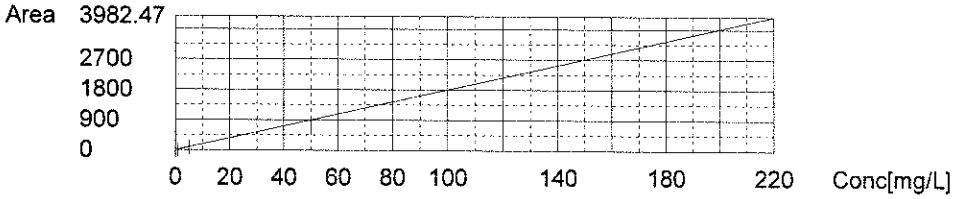
Conc: 200.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	3606	150uL	1	*******		4/21/2015 12:21:47 PM
2	3608	150uL	1	*******		4/21/2015 12:29:18 PM

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 3607



Slope: 18.10
Intercept 0.000
r^2 0.999112



TOTAL SOLIDS BATCH REPORT
May 11 2015, 01:53 pm
Batch: WG162549

Sample	Matrix	Type	Prep Date	Tare	Initial	Final1	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SI2971-2	SL	SAMP	08-MAY-15	1 g	5 g	5 g	5 g	AZ	11-MAY-15	100.0000	100 %		
SI3022-1	SL	SAMP	08-MAY-15	1 g	5 g	5 g	5 g	AZ	11-MAY-15	100.0000	100 %		
SI3022-10	SL	SAMP	08-MAY-15	1.3106 g	39.9715 g	33.3453 g	33.3379 g	AZ	11-MAY-15	82.8420	83. %		
SI3022-11	SL	SAMP	08-MAY-15	1.3086 g	47.5574 g	44.0384 g	44.0312 g	AZ	11-MAY-15	92.3760	92. %		
SI3022-12	SL	SAMP	08-MAY-15	1.3065 g	35.0694 g	32.2171 g	32.2084 g	AZ	11-MAY-15	91.5260	92. %		
SI3022-13	SL	SAMP	08-MAY-15	1.3078 g	35.5246 g	32.6699 g	32.6629 g	AZ	11-MAY-15	91.6360	92. %		
SI3022-14	SL	SAMP	08-MAY-15	1.3213 g	33.3192 g	30.2164 g	30.2106 g	AZ	11-MAY-15	90.2850	90. %		
SI3022-2	SL	SAMP	08-MAY-15	1.3149 g	31.1123 g	25.467 g	25.4619 g	AZ	11-MAY-15	81.0370	81. %		
SI3022-3	SL	SAMP	08-MAY-15	1.3202 g	33.6019 g	30.7776 g	30.7706 g	AZ	11-MAY-15	91.2290	91. %		
SI3022-4	SL	SAMP	08-MAY-15	1.3123 g	29.6658 g	27.2182 g	27.2125 g	AZ	11-MAY-15	91.3470	91. %		
SI3022-5	SL	SAMP	08-MAY-15	1.3197 g	37.7741 g	33.9002 g	33.8934 g	AZ	11-MAY-15	89.3550	89. %		
SI3022-6	SL	SAMP	08-MAY-15	1.3202 g	37.3202 g	34.2296 g	34.2236 g	AZ	11-MAY-15	91.3980	91. %		
SI3022-7	SL	SAMP	08-MAY-15	1.3215 g	36.6932 g	33.5446 g	33.5367 g	AZ	11-MAY-15	91.0760	91. %		
SI3022-8	SL	SAMP	08-MAY-15	1.3091 g	32.5298 g	30.6702 g	30.6644 g	AZ	11-MAY-15	94.0250	94. %		
SI3022-9	SL	SAMP	08-MAY-15	1.3095 g	31.3495 g	29.1257 g	29.1203 g	AZ	11-MAY-15	92.5790	92. %		
WG162549-1	SL	MBLANK	08-MAY-15	1.3125 g	1.8056 g	1.3118 g	1.3116 g	AZ	11-MAY-15	-0.1820	1 %		
WG162549-2	SL	LCS	08-MAY-15	1.3251 g	6.3338 g	5.8409 g	5.8399 g	AZ	11-MAY-15	90.1390	90. %	100	
WG162549-3	SL	DUP	08-MAY-15	1.3174 g	27.9408 g	24.1777 g	24.1725 g	AZ	11-MAY-15	85.8460	86. %		6

Comments:

SI2971-2	no ts jar
SI3022-1	TB, NO ts jar
WG162549-1	SI3022-2
WG162549-2	SI3022-2
WG162549-3	SI3022-2

Entered by: _____ Date: 5-11-15 Accepted by: _____ Date: 05/11/15

TOTAL SOLIDS BATCH REPORT
May 11 2015, 01:54 pm
Batch: WG162550

Sample	Matrix	Type	Prep Date	Tare	Initial	Finall	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SI2993-1	SL	SAMP	08-MAY-15	1.3077 g	39.3513 g	33.4954 g	33.4954 g	AZ	11-MAY-15	84.6070	85. %		
SI2994-2	SL	SAMP	08-MAY-15	1.3098 g	38.7146 g	31.3459 g	31.3459 g	AZ	11-MAY-15	80.3000	80. %		
SI2994-3	SL	SAMP	08-MAY-15	1.3039 g	32.138 g	23.0644 g	23.0644 g	AZ	11-MAY-15	70.5730	70. %		
WG162550-1	SL	MBLANK	08-MAY-15	1.3125 g	1.8056 g	1.3118 g	1.3118 g	AZ	11-MAY-15	-0.1420	1 %		
WG162550-2	SL	LCS	08-MAY-15	1.3251 g	6.3338 g	5.8409 g	5.8409 g	AZ	11-MAY-15	90.1590	90. %	100	
WG162550-3	SL	DUP	08-MAY-15	1.3147 g	35.3667 g	28.3669 g	28.3669 g	AZ	11-MAY-15	79.4440	79. %		1

Comments:

SI2993-1	BP0W6-5-SOIL-050515-528-530
SI2994-2	MS/MSD; BP0W5-6-SOIL-050515-603-605
SI2994-3	BP0W5-6-FD-SOIL-050515-603-605
WG162550-1	SI2994-2
WG162550-2	SI2994-2
WG162550-3	SI2994-2

Entered by: _____ Date: 5-11-15 Accepted by: _____ Date: _____

R316713 R316782

Ts-me WG162549 WG162550

KATAHDIN ANALYTICAL SERVICES, INC.

TOTAL SOLIDS: ASTM D2216 - PQL: 0.10%				TOTAL VOLATILE SOLIDS: SM2540 G / E160.4 - PQL 0.10%	
ANALYST IN:		TS ANALYST OUT:		TVS ANALYST OUT:	Balance Calibrated?
DATE IN: 5-8-15	5-11-15	TS DATE OUT: 5-11-15	5-11-15	TVS DATE OUT:	Y / N
TIME IN: 17:43	10:31	TS TIME OUT: 8:40	11:33	TVS TIME OUT:	In: Y
TEMP IN: 104°C	105°C	TS TEMP OUT: 104°C	104°C	TVS TEMP OUT:	Out (TS): Y
Oven ID: 107N0042		Muffle Oven ID: 030807 (assigned)		BALANCE ID: OHAUS - SN: 112401631	Out (TVS):

SAMPLE ID	DISH ID	DISH WT (g)	DISH WET WT (g)	DISH DRY WT (g)	DISH/ASH WT (g)	TIME
Blank	21 M	1.3125	1.8056	1.3118		
LCS	22 M	1.3251	6.3338	5.8409		
SI 3022-2	1	1.3149	31.1123			
-3	2	1.3202	33.6019			
-4	3	1.3123	29.6658			
-5	4	1.3197	37.7241			
-6	5	1.3202	37.3202			
-7	6	1.3215	36.6832			
-8	7	1.3091	32.5298			
-9	8	1.3095	31.3495			
-10	9	1.3106	39.9715			
-11	10	1.3086	47.5574			
-12	11	1.3065	35.0694			
-13	12	1.3078	35.5246			
-14	13	1.3213	33.3192			
SI 2993-2 ~~-15~~	14	1.3077	39.3513			
SI 2994-2 ~~-16~~	15	1.3098	38.7146			
-3 ~~-17~~	16	1.3039	32.1780			
~~-18~~	~~17~~					
	~~18~~					
	~~19~~					
	~~20~~					
SI 3022-2 DUP	23 M	1.3174	27.9408			
SI 2994-2 DUP	24	1.3147	35.4667			

CHECKED BY: DATE: 05/11/15

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QAWL757

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SI 3022-2 1-2-15 ~ 1-2-15 ~ 8001-5