N90845.AR.001883
NWIRP BETHPAGE
5090.3a

VALIDATED DATA PACKAGE, SI0594, NWIRP BETHPAGE NY
2/20/2015
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. SI0594 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.		CHECK	
		FROM	TO	LAB	REGION
1.	Cover Page	0000003	0000004	✓	
2.	SDG Narrative	0000005	0000006	✓	
3.	Sample Log-In Sheet (DC-1)	NA	NA	✓	
4.	Inventory Sheet (DC-2))	0000001	0000002	✓	
5.	Traffic Report/Chain of Custody Record(s)	0000007	0000008	✓	
	Inorganic Analysis				
6.	Data Sheet (Form I-IN)	0000016	0000019	✓	
7.	Initial & Continuing Calibration Verification (Form IIA-IN)	NA	NA	✓	
8.	CRQL Standard(Form IIB-IN)	NA	NA	✓	
9.	Blanks (Form III-IN)	0000011	0000013	✓	
10.	ICP-AES Interference Check Sample (Form IVA-IN)	NA	NA	✓	
11.	ICP-MS Interference Check Sample(Form IVB-IN)	NA	NA	✓	
12.	Matrix Spike Sample Recovery(Form VA-IN)	NA	NA	✓	
13.	Post-Digestion Spike Sample Recovery(Form VB-IN)	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	✓	
17.	Method Detection Limits (Annually) (Form IX-IN)	NA	NA	✓	
18.	ICP-AES Interelement Correction Factors (Quarterly) (Form XA-IN)	NA	NA	✓	
19.	ICP-AES Interelement Correction Factors (Quarterly) (Form XB-IN)	NA	NA	✓	
20.	ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form XI-IN)	NA	NA	✓	
21.	Preparation Log (Form XII-IN)	NA	NA	✓	
22.	Analysis Run Log (Form XIII-IN)	NA	NA	✓	

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	✓	
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	NA	NA	✓	
25. ICP-AES Raw Data	NA	NA	✓	
26. ICP-MS Raw Data	NA	NA	✓	
27. Mercury Raw Data	NA	NA	✓	
28. Cyanide Raw Data	NA	NA	✓	
29. Preparation Logs Raw Data (Wet Chemistry)	0000020	0000065	✓	
30. Percent Solids Determination Log	NA	NA	✓	
31. USEPA Shipping/Receiving Documents				
Airbill (No. of Shipments 1)	NA	NA	✓	
Sample Tags	NA	NA	✓	
Sample Log-In Sheet (Lab)	NA	NA	✓	
32. Misc. Shipping/Receiving Records (list all individual records)				
Telephone Logs	NA	NA	✓	
Sample Receipt Condition Report	0000007	0000007	✓	
	NA	NA	✓	
33. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)	NA	NA	✓	
Internal Chain of Custody	0000010	0000010	✓	
Login Chain of Custody Report	0000009	0000009	✓	
34. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records	NA	NA	✓	
Analysis Records	NA	NA	✓	
Description Duplicate Precision Form	NA	NA	✓	
35. Other Records (describe or list)	NA	NA	✓	
Telephone Communications Log				
DAS Specifications	NA	NA	✓	

36. Comments

Completed by:
(CLP Lab) Melanie Brown Melanie Brown DM 02-20-15
(Signature) (Print Name & Title) (Date)

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

ENSAFE
NAVY CLEAN WE15-03-06
NWIRP BETHPAGE, NY
SI0594

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

0000003

SAMPLE DATA PACKAGE

00000004

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
ENSAFE
NAVY CLEAN WE15-03-06 NWIRP BETHPAGE, NY
SI0594

Sample Receipt

The following samples were received on January 30, 2015 and were logged in under Katahdin Analytical Services work order number SI0594 for a hardcopy due date of February 16, 2015.

KATAHDIN Sample No.	ENSAFE Sample Identification
SI0594-1	RE122D1-SOIL-012315-528-530
SI0594-2	RE122D1-EB-012315

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.

Some of the client IDs on the Chain of Custody exceeds the 19-character limit of the Katahdin Analytical Information Management System. Therefore, the first characters "RE122D1-" in the client ID for sample SI0594-1 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 SI0594 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
02.19.15

Leslie Dimond
Quality Assurance Officer

Katahdin Analytical Services, Inc. — Sample Receipt Condition Report

Client: AECOM	KAS PM: JO	Sampled By: Client
Project:	KIMS Entry By: GW	Delivered By: FedEx
KAS Work Order#: 5I0594 / 5I0595	KIMS Review By: JO	Received By: GW
SDG #:	Cooler: 1 of 1	Date/Time Rec.: ~~1-30~~ 1-30-15/0930 GW

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): 3.3
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals 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 analysis.
6. Volatiles:					
Aqueous: No bubble larger than a pea?	✓			NA	
Soil/Sediment:					
Received in airtight container?				NA	
Received in methanol?				NA	
Methanol covering soil?				NA	
D.I. Water - Received within 48 hour HT?				NA	
Air: Refer to KAS COC for canister/flow controller requirements.	√ if air included				
7. Trip Blank present in cooler?	✓			NA	
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

RESOLUTION CONSULTANTS

CHAIN OF CUSTODY AND ANALYTICAL REQUEST RECORD

COC No.

Page 1 of 1

Project Name: NW IRP Bethpage

PO No.

Project No. Phase

Site Location: RE122D1

CTO No. 60266526 RC Project Manager: Brian Caldwell

Sampler/Site Phone# Vincent Vorricchio / 516-680-7201

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) SI0594	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	TOC									Extra Volume for MS/MSD	HOLD
								(3)→		SA										
	RE122D1-Soil-012315-528-530		01/23/15	1030	SO	N		1	1											
	RE122D1-EB-012315		01/23/15	1330	WQ	EB		3		3										

Field **Comments:**

Lab **Comments:**

Sample Shipment and Delivery Details

Number of coolers in shipment: 1

Relinquished by (signature)	Date	Time	Received by (signature)	Date	Time
1 [signature]	1-23-15	1600	1 [signature]	012815	1610
2 [signature]	012915	1415	2 fed ex		
3			3 [signature]	1-30-15	0930

Samples Iced?(check) Yes ✓ No ____

Method of Shipment: Fedex

Airbill No:

Date Shipped:

(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

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jan. 30, 2015
03:31 PM

Login Number: SI0594

Account: ENSAFE001
ENSAFE

Project: AECOM-BETHPAGE
NWIRP Bethpage, NY

NoWeb

Quote/Incoming: AECOM-BETHPAGE

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:

Login Information:

ANALYSIS INSTRUCTIONS	:	Follow DoD QSM Version 4.2 using DoD limits. "U" LOD. "J" flag between DL and LOQ.
CHECK NO.	:	
CLIENT PO#	:	16518
CLIENT PROJECT MANAGE	:	Brian Caldwell
CONTRACT	:	
COOLER TEMPERATURE	:	3.3
DELIVERY SERVICES	:	FedEx
EDD FORMAT	:	KAS135QC-CSV
LOGIN INITIALS	:	GN
PM	:	JO
PROJECT NAME	:	Navy Clean WE15-03-06 NWIRP Bethpage, NY
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Send HC and CD to Dana. 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
SI0594-1	SOIL-012315-528-530	23-JAN-15 10:30	30-JAN-15			16-FEB-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW9060M-TOC	20-FEB-15	4oz Glass		RE122D1-SOIL-012315-528-530
Solid	S	TS	22-FEB-15	4oz Glass		

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SI0594-2	RE122D1-EB-012315	23-JAN-15 13:30	30-JAN-15			16-FEB-15	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Aqueous	S	SM5310B-TOC	20-FEB-15	40 mL Vial+H2SO4		

Total Samples: **2** ***Total Analyses:*** **3**

QP
01.30.15

0000009

Katahdin Analytical Services, Inc.
Container Transfer History for SI0594

Samplenum SI0594-1

Container Id SI0594-1A **Containertype 4oz Glass** **Matrix SL**

Product *TS, SW9060M-TOC*

Transferdate	From	To	Analyst	Custody Break	Comments
30-JAN-15 13:54	LOGIN	WALK-IN	APIMENTEL	N	
02-FEB-15 11:21	WALK-IN	WET CHEMISTRY	AZAZZARA	N	
02-FEB-15 14:14	WET CHEMISTRY	WALK-IN	AZAZZARA	N	
03-FEB-15 09:42	WALK-IN	WET CHEMISTRY	AZAZZARA	N	
03-FEB-15 16:02	LLHG_STORAGE	WALK-IN	AZAZZARA	N	
06-FEB-15 10:25	WALK-IN	WET CHEMISTRY	CBAGLEY	N	
06-FEB-15 16:23	WET CHEMISTRY	WALK-IN	AZAZZARA	N	

Samplenum SI0594-2

Container Id SI0594-2D **Containertype 40 mL Vial+H2SO4** **Matrix AQ**

Product *SM5310B-TOC*

Transferdate	From	To	Analyst	Custody Break	Comments
30-JAN-15 13:54	LOGIN	WALK-IN	APIMENTEL	N	

Container Id SI0594-2E **Containertype 40 mL Vial+H2SO4** **Matrix AQ**

Product *SM5310B-TOC*

Transferdate	From	To	Analyst	Custody Break	Comments
30-JAN-15 13:54	LOGIN	WALK-IN	APIMENTEL	N	

Container Id SI0594-2F **Containertype 40 mL Vial+H2SO4** **Matrix AQ**

Product *SM5310B-TOC*

Transferdate	From	To	Analyst	Custody Break	Comments
30-JAN-15 13:54	LOGIN	WALK-IN	APIMENTEL	N	

CONVENTIONAL AND PHYSICAL ANALYTICAL DATA

QC Summary Section

Quality Control Report

Blank Sample Summary Report

TOC in Soil

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG158257	SW846 9060A Mod.	10-FEB-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	WG157902	SM5310B	02-FEB-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	WG157892	SM2540	04-FEB-15	03-FEB-15	U 1 %	1 %	N/A

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
WG158257-2	LCS	WG158257	10-FEB-15	N/A	ug/gdrywt	400000.000	400000	100	80-120	

Total Organic Carbon

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG157902-2	LCS	WG157902	02-FEB-15	N/A	mg/L	50	44.	88	80-120	

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG157892-2	LCS	WG157892	04-FEB-15	03-FEB-15	%	90	90.	100	90-110	

Quality Control Report

Duplicate Sample Summary Report

TOC In Soil

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG158257-3	SI0594-1	WG158257	10-FEB-15	ug/gdrywt	J 130	J 280	NC	30

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

ACCREDITED IN ACCORDANCE WITH nelac
Cert No E87604

Report of Analytical Results

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

Lab Sample ID: SI0594-1
Report Date: 17-FEB-15
Client PO: 16518
Project: Navy Clean WE15-03-0
SDG: SI0594

Sample Description	Matrix	Date Sampled	Date Received
SOIL-012315-528-530	SL	23-JAN-15 10:30:00	30-JAN-15

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
TOC In Soil	J130 ug/gdrywt	480	100	360	SW846 9060A Mod.	WG158257	10-FEB-15 13:01:59	N/A	N/A	
Total Solids	83. %	1		N/A	SM2540G	WG157892	04-FEB-15 11:42:37	SM2540G	03-FEB-15	

Katahdin Analytical Services 0000018

Report of Analytical Results

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

Lab Sample ID: SI0594-2
Report Date: 17-FEB-15
Client PO: 16518
Project: Navy Clean WE15-03-0
SDG: SI0594

Sample Description	Matrix	Date Sampled	Date Received
RE122D1-EB-012315	AQ	23-JAN-15 13:30:00	30-JAN-15

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Organic Carbon	J0.24 mg/L	1.0	0.10	.5	SM5310B	WG157902	02-FEB-15 16:42:42	N/A	N/A	

Katahdin Analytical Services 0000019

Raw Data Section

TOTAL SOLIDS BATCH REPORT
Feb 18 2015, 10:51 am
Batch: WG157892

Sample	Matrix	Type	Batch	Prep Date	Tare	Initial	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SI0586-1	SL	SAMP	WG157892	03-FEB-15	1.3053 g	11.284 g	10.9774 g	AZ	04-FEB-15	96.9270	97. %		
SI0594-1	SL	SAMP	WG157892	03-FEB-15	1.3001 g	15.871 g	13.4131 g	AZ	04-FEB-15	83.1310	83. %		
SI0596-2	SL	SAMP	WG157892	03-FEB-15	1.3122 g	14.9071 g	12.7517 g	AZ	04-FEB-15	84.1460	84. %		
SI0596-3	SL	SAMP	WG157892	03-FEB-15	1.3009 g	11.6535 g	10.6082 g	AZ	04-FEB-15	89.9030	90. %		
SI0605-1	SL	SAMP	WG157892	03-FEB-15	1.3162 g	3.6525 g	3.3177 g	AZ	04-FEB-15	85.6700	86. %		
SI0605-10	SL	SAMP	WG157892	03-FEB-15	1.3158 g	7.4126 g	6.5317 g	AZ	04-FEB-15	85.5510	86. %		
SI0605-11	SL	SAMP	WG157892	03-FEB-15	1.3106 g	7.3323 g	7.1248 g	AZ	04-FEB-15	96.5540	96. %		
SI0605-3	SL	SAMP	WG157892	03-FEB-15	1.3047 g	4.0229 g	3.6701 g	AZ	04-FEB-15	87.0210	87. %		
SI0605-4	SL	SAMP	WG157892	03-FEB-15	1.3214 g	3.2721 g	3.0484 g	AZ	04-FEB-15	88.5320	88. %		
SI0605-5	SL	SAMP	WG157892	03-FEB-15	1.3112 g	2.4829 g	2.2868 g	AZ	04-FEB-15	83.2640	83. %		
SI0605-6	SL	SAMP	WG157892	03-FEB-15	1.3207 g	2.1399 g	2.1208 g	AZ	04-FEB-15	97.6680	98. %		
SI0605-7	SL	SAMP	WG157892	03-FEB-15	1.3184 g	5.8214 g	5.4541 g	AZ	04-FEB-15	91.8430	92. %		
SI0605-8	SL	SAMP	WG157892	03-FEB-15	1.3122 g	7.1723 g	6.7101 g	AZ	04-FEB-15	92.1130	92. %		
SI0605-9	SL	SAMP	WG157892	03-FEB-15	1.3218 g	5.7125 g	5.1003 g	AZ	04-FEB-15	86.0570	86. %		
SI0655-1	SL	SAMP	WG157892	03-FEB-15	1.3246 g	3.7332 g	3.2357 g	AZ	04-FEB-15	79.3450	79. %		
SI0656-1	SL	SAMP	WG157892	03-FEB-15	1.3235 g	4.8299 g	3.4413 g	AZ	04-FEB-15	60.3980	60. %		
SI0656-2	SL	SAMP	WG157892	03-FEB-15	1.3252 g	4.3807 g	4.3807 g	AZ	04-FEB-15	100.0000	100 %		
SI0657-1	SL	SAMP	WG157892	03-FEB-15	1.3277 g	7.5629 g	7.5626 g	AZ	04-FEB-15	99.9950	100 %		
SI0657-2	SL	SAMP	WG157892	03-FEB-15	1.3144 g	8.3813 g	8.3813 g	AZ	04-FEB-15	100.0000	100 %		
WG157892-1	SL	MBLANK	WG157892	03-FEB-15	1.3007 g	1.8003 g	1.3 g	AZ	04-FEB-15	-0.1400	1 %		
WG157892-2	SL	LCS	WG157892	03-FEB-15	1.3179 g	6.3224 g	5.8203 g	AZ	04-FEB-15	89.9670	90. %	100	
WG157892-3	SL	DUP	WG157892	03-FEB-15	1.3211 g	15.3124 g	14.8638 g	AZ	04-FEB-15	96.7940	97. %		0
WG157892-4	SL	DUP	WG157892	03-FEB-15	1.3056 g	4.2877 g	3.6851 g	AZ	04-FEB-15	79.7930	80. %		0

Comments:

SI0594-1	RE122D1-SOIL-012315-528-530
SI0596-2	BP0W6-5-Soil-012215-778-780
SI0596-3	BP0W6-5-Soil-D-012215
SI0605-1	ALARIA LEAF lot#71011615
SI0605-10	NAK ASCO GRANULES lot#27011615
SI0605-11	IKB POWDER lot#69011615
SI0605-3	KELP LEAF lot#61011615
SI0605-4	LAVER LEAF lot#84011615
SI0605-5	SEA LETTUCE LEAF lot#34011615
SI0605-6	TOASTED NORI lot#94011615
SI0605-7	DULSE POWDER lot#48011615
SI0605-8	ROCKWEED POWDER lot#28011615
SI0605-9	ALARIA GRANULES lot#77011615
WG157892-1	SI0586-1
WG157892-2	SI0586-1
WG157892-3	SI0586-1
WG157892-4	SI0655-1

Entered by: _____ Date: 2-18-15 Accepted by: _____ Date: 2/18/15

Katahdin Analytical Services 0000021

WG157892 R306682 **KATAHDIN ANALYTICAL SERVICES, INC.** WG157995 R306881

TOTAL SOLIDS: ASTM D2216 - PQL: 0.10%				TOTAL VOLATILE SOLIDS: SM2540 G / E160.4 - PQL 0.10%		
ANALYST IN: [illegible]		TS ANALYST OUT: [illegible]		TVS ANALYST OUT: [illegible]		Balance Calibrated?
DATE IN: 2-3-15		TS DATE OUT: 2-4-15		TVS DATE OUT: 2-5-15		Y / N
TIME IN: 15:38		TS TIME OUT: 10:25		TVS TIME OUT: 9:12		In: Y
TEMP IN: 102°C		TS TEMP OUT: 102°C		TVS TEMP OUT: 550°C		Out (TS): Y
Oven ID:		Muffle Oven ID: 030807 (assigned)		BALANCE ID: OHAUS - SN: 112401631		Out (TVS): Y

	SAMPLE ID	DISH ID	DISH WT (g)	DISH WET WT (g)	DISH DRY WT (g)	DISH/ASH WT (g)	TIME
TVS	Blank	21	1.3009	1.4003	1.3000	1.3003	10:21
	LCS	22					
	SIO586-1	1					
	SIO594-1	2					
	SIO546-2	3					
	-3	4					
	SIO605-1	5					
	-2	6	Sample	Spilled after drying			
	-3	7					
	-4	8					
	-5	9					
	-6	10					
	-7	11					
	-8	12					
	-9	13					
	-10	14					
	-11	15					
	SIO655-1	16					
TVS	SIO656-1	17	1.3235	4.8299	3.4413	2.5252	10:21
TS=100% →	-2	18		4.3807	4.3807		
TVS	SIO657-1	19	1.3277	8.3813 (7.5629)	8.3813 (7.5626)	7.5629	~~10:21~~
TS=100% →	-2	20					
	SIO586-1 DUP	23					
	SIO655-1 DUP	24					

CHECKED BY: [signature] DATE: 02/18/15

WET CHEMISTRY BATCH REPORT
Feb 11 2015, 12:24 pm
Batch: WG158257

Parameter: TOC In Soil

Date Analyzed: 10-FEB-15

Analyst Initials: CB

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
SI0594-1	SAMP	SW846 9060A	499.1mg	200.00ug	1	126.43955	J130 ug/gdrywt	83.	400	100	480		
SI0596-2	SAMP	SW846 9060A	499mg	200.00ug	1	193.91653	J190 ug/gdrywt	84.	400	100	480		
SI0596-3	SAMP	SW846 9060A	496.7mg	200.00ug	1	144.30891	J140 ug/gdrywt	90.	400	95.	450		
WG158257-1	MBLANK	SW846 9060A	500mg	200.00ug	1	0	U300 ug/gdrywt	NA	400	85.	400		
WG158257-2	LCS	SW846 9060A	40mg	200.00ug	1	399225	400000 ug/gdrywt	NA	400	85.	400		100
WG158257-3	DUP	SW846 9060A	498.4mg	200.00ug	1	276.59452	U480 ug/gdrywt	NA	400	100	480	NC	
WG158257-4	MS	SW846 9060A	401.2mg	200.00ug	1	12074.05225	12000 ug/gdrywt	NA	400	94.	440		106

Comments:

SI0594-1	RE122D1-SOIL-012315-528-530
SI0596-2	BP0W6-5-Soil-012215-778-780
SI0596-3	BP0W6-5-Soil-D-012215
WG158257-1	SI0594-1
WG158257-2	SI0594-1
WG158257-3	SI0594-1
WG158257-4	SI0596-3

Entered by: CLB Date: 2-11-15 Accepted by: Date: 02/13/15

Katahdin Analytical Services 0000023

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):
____Total Organic Carbon (Lloyd Kahn) W6158257 R307424

Spiking Information	
LCS Spike Source ID / Compound:	W12684 (TV: 16.000)
CCV Spike Source ID / Compound:	W12683
MS Spike Source ID / Compound:	W12684 (TV: 4.000)

Calibration Information	
Calibration Date:	11-10-14
Calibration Analyst:	CLB

KATAHDIN Sample Number	Sample Wt. (mg)	Sample Type * (Circle One)	~~Spike Added~~ (mg) / %Recovery
CCV		Wet Dry	99.81%
CCB	500.0	Wet Dry	
LCS	40.0	Wet Dry	99.81%
S10594-1	499.1	Wet Dry	
1 -1 DUP	498.4	Wet Dry	
S10596-2	499.0	Wet Dry	
-3	496.7	Wet Dry	
-3 MS	401.2	Wet Dry	
CCV		Wet Dry	100.34%
CCB		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	
		Wet Dry	

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

CLB 2-10-15

Analyst: CLB	Analysis Date: 2-9-15
Reviewer:	Review Date: 02/13/15

	Sample Name	Dilution	Result	Comment	Date / Time
1	CCV	1.000	SSM-TC:15969 ug		2/10/2015 12:28:28 PM
2	CCB	1.000	SSM-TC:0.000 ug		2/10/2015 12:40:41 PM
3	LCS	1.000	SSM-TC:15969 ug		2/10/2015 12:48:55 PM
4	SI0594-1	1.000	SSM-TC:105.3 ug		2/10/2015 1:01:59 PM
5	SI0594-1 DUP	1.000	SSM-TC:114.6 ug		2/10/2015 1:09:14 PM
6	SI0596-2	1.000	SSM-TC:163.5 ug		2/10/2015 1:20:23 PM
7	SI0596-3	1.000	SSM-TC:130.6 ug		2/10/2015 1:28:28 PM
8	SI0596-3 MS	1.000	SSM-TC:4355 ug		2/10/2015 3:05:40 PM
9	CCV	1.000	SSM-TC:16055 ug		2/10/2015 3:18:00 PM
10	CCB	1.000	SSM-TC:0.000 ug		2/10/2015 3:23:29 PM
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

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	

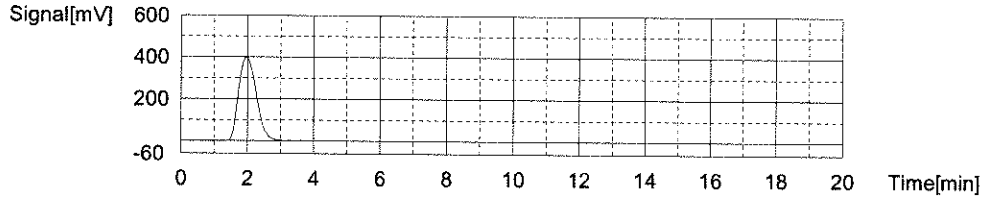
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:15969 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	1480	1480	15969ug	15969ug	40.00mg	40uL		tc sl curve 2-9-15.2015_02_09_14_37_16.cal	2/10/2015 12:28:28 PM

Mean Area	1480
Mean CNV	1480
Mean Conc.	15969ug



Sample

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

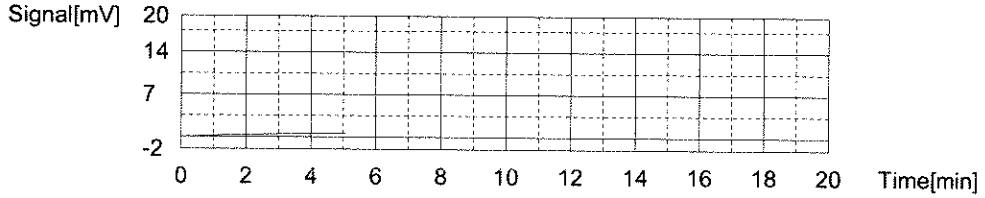
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:0.000 ug

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		tc sl curve 2-9-15.2015_02_09_14_37_16.cal	2/10/2015 12:40:41 PM

Mean Area	0.000
Mean CNV	0.000
Mean Conc.	0.000ug



Katahdin Analytical Services 0000026

Sample

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

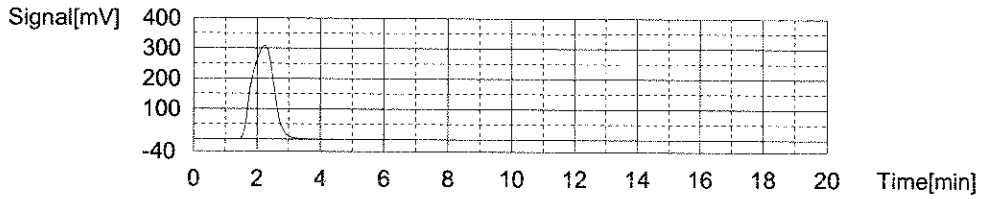
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:15969 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	1480	1480	15969ug	15969ug	40.00mg	40uL		tc sl curve 2-9-15.2015_02_09_14_37_16.cal	2/10/2015 12:48:55 PM

Mean Area 1480
Mean CNV 1480
Mean Conc. 15969ug



Sample

Sample Name: SI0594-1
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

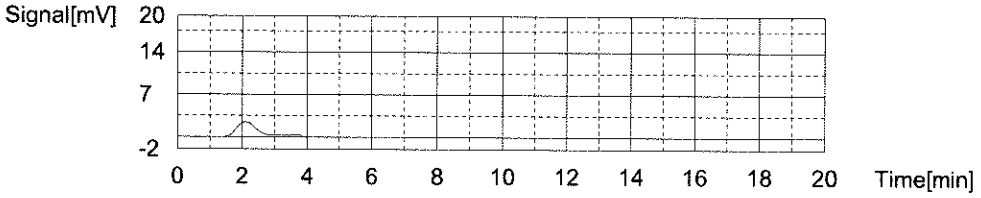
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:105.3 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	9.761	9.761	105.3ug	105.3ug	499.1mg	499uL		tc sl curve 2-9-15.2015_02_09_14_37_16.cal	2/10/2015 1:01:59 PM

Mean Area 9.761
Mean CNV 9.761
Mean Conc. 105.3ug



Sample

Sample Name: SI0594-1 DUP
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:114.6 ug

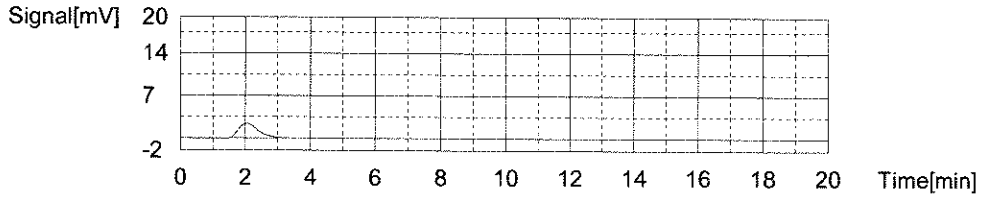
Katahdin Analytical Services 0000027

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	10.62	10.62	114.6ug	114.6ug	498.4mg	498uL		tc sl curve 2-9-15.2015_02_09_14_37_16.cal	2/10/2015 1:09:14 PM

Mean Area 10.62
Mean CNV 10.62
Mean Conc. 114.6ug



Sample

Sample Name: SI0596-2
Sample ID: <Untitled>
Origin: tc method SOILS.met
Chk. Result

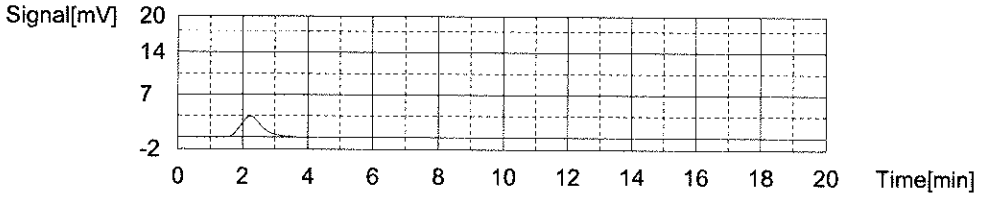
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:163.5 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	15.15	15.15	163.5ug	163.5ug	499.0mg	499uL		tc sl curve 2-9-15.2015_02_09_14_37_16.cal	2/10/2015 1:20:23 PM

Mean Area 15.15
Mean CNV 15.15
Mean Conc. 163.5ug



Sample

Sample Name: SI0596-3
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:130.6 ug

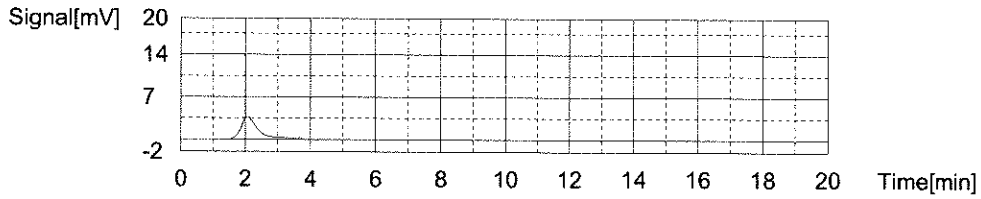
1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	12.10	12.10	130.6ug	130.6ug	496.7mg	496uL		tc sl curve 2-9-15.2015_02_09_14_37_16.cal	2/10/2015 1:28:28 PM

Katahdin Analytical Services 0000028

Mean Area	12.10
Mean CNV	12.10
Mean Conc.	130.6ug



Sample

Sample Name:	SI0596-3 MS
Sample ID:	<Untitled>
Origin:	tc method SOILS.met
Chk. Result	

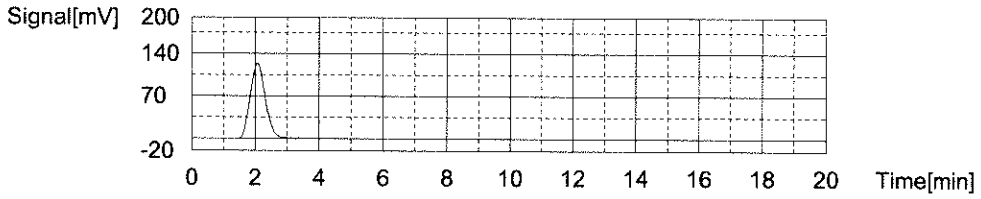
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:4355 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	403.6	403.6	4355ug	4355ug	401.2mg	401uL		tc sl curve 2-9-15.2015_02_09_14_37_16.cal	2/10/2015 3:05:40 PM

Mean Area	403.6
Mean CNV	403.6
Mean Conc.	4355ug



Sample

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

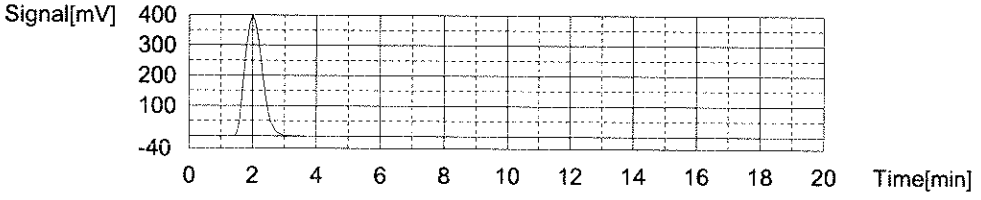
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:16055 ug

1. Det

Anal.: SSM-TC

No.	Area	CNV	Abs C	Conc.	Weight	Volume	Ex.	Cal. Curve	Date / Time
1	1488	1488	16055ug	16055ug	40.00mg	40uL		tc sl curve 2-9-15.2015_02_09_14_37_16.cal	2/10/2015 3:18:00 PM

Mean Area	1488
Mean CNV	1488
Mean Conc.	16055ug



Sample

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

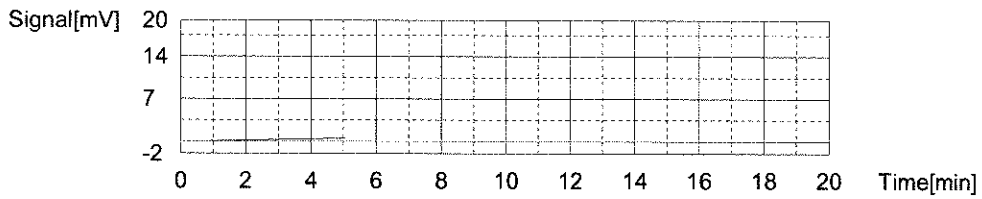
Type	Anal.	Dil.	Density	Result
Unknown	SSM-TC	1.000	1.000mg/uL	SSM-TC:0.000 ug

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		tc sl curve 2-9-15.2015_02_09_14_37_16.cal	2/10/2015 3:23:29 PM

Mean Area 0.000
Mean CNV 0.000
Mean Conc. 0.000ug



Katahdin Analytical Services 0000030

Instr.Information

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

Cal. Curve

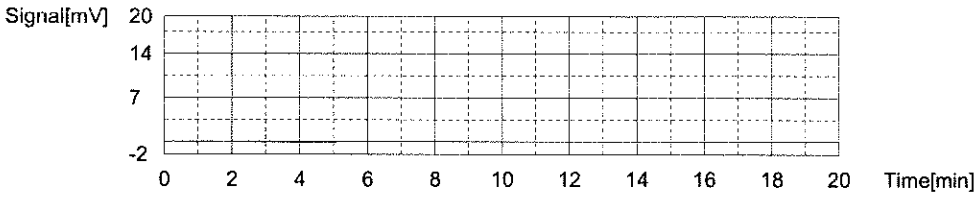
Sample Name:	Untitled
Sample ID:	Untitled
Cal. Curve:	tc sl curve 2-9-15.2015_02_09_14_37_16.cal

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	*******		2/9/2015 2:44:17 PM

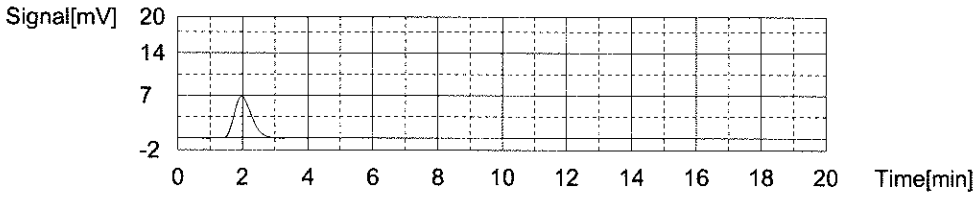
Mean Area 0.000
Mean CNV 0.000



AbsC: 200.0ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	25.55	25.55	200.0ug	0.5000mg	*******		2/9/2015 2:52:00 PM

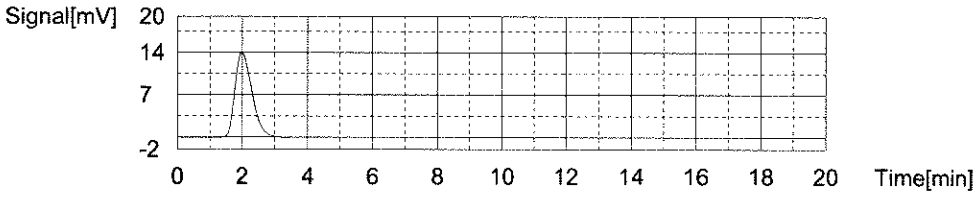
Mean Area 25.55
Mean CNV 25.55



AbsC: 400.0ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	51.51	51.51	400.0ug	1.000mg	*******		2/9/2015 3:00:51 PM

Mean Area 51.51
Mean CNV 51.51

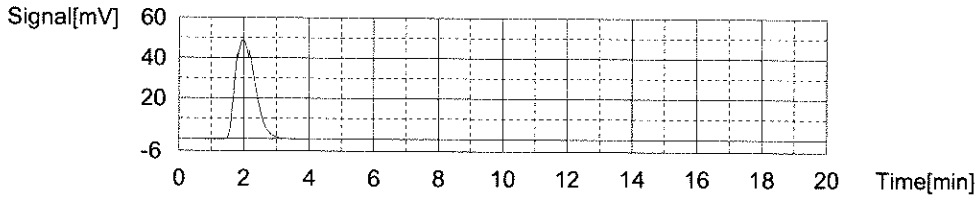


AbsC: 2000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	207.0	207.0	2000ug	5.000mg	*******		2/9/2015 3:11:40 PM

Katahdin Analytical Services 0000031

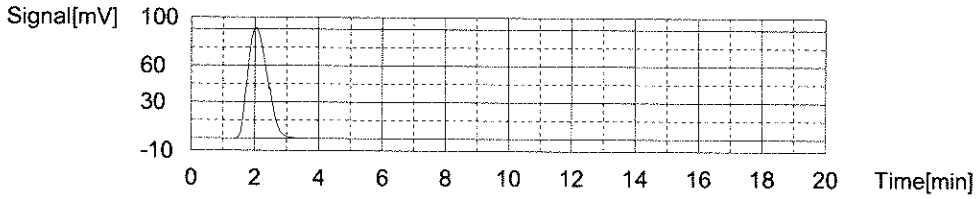
Mean Area 207.0
Mean CNV 207.0



AbsC: 4000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	391.2	391.2	4000ug	10.00mg	*******		2/9/2015 3:20:17 PM

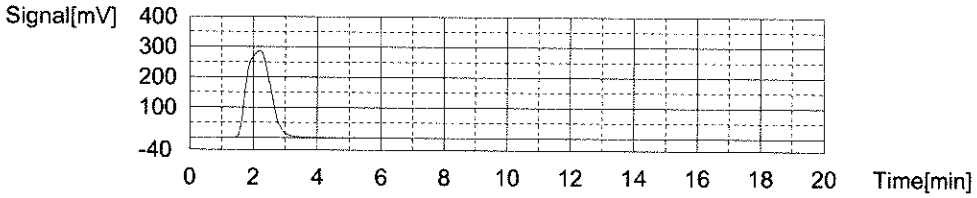
Mean Area 391.2
Mean CNV 391.2



AbsC: 16000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	1485	1485	16000ug	40.00mg	*******		2/9/2015 3:30:14 PM

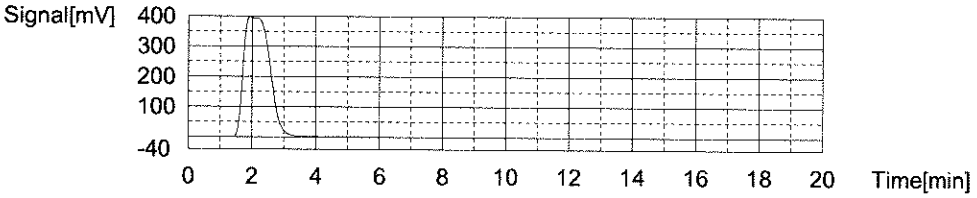
Mean Area 1485
Mean CNV 1485



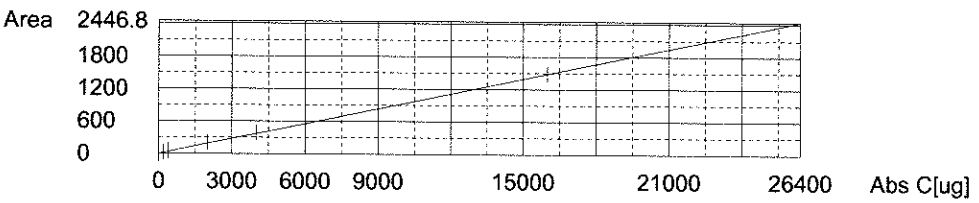
AbsC: 24000ug

No.	Area	CNV	Abs C	Weight	Rem.	Ex.	Date / Time
1	2240	2240	24000ug	60.00mg	*******		2/9/2015 3:39:28 PM

Mean Area 2240
Mean CNV 2240



Slope: 0.09268
Intercept 0.000
r^2 0.999903



WET CHEMISTRY BATCH REPORT
Feb 04 2015, 12:24 pm
Batch: WG157902

Parameter: Total Organic Carbon

Prep Date: N/A

Date Analyzed: 02-FEB-15

Prep Method: N/A

Analyst Initials: CB

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI0496-11	SAMP	SM5310B	20.000mL	20.000mL	1	6.638	6.6 mg/L	NA	1	.1023	1.0		
SI0590-1	SAMP	SM5310B	20.000mL	20.000mL	1	22.79	23. mg/L	NA	1	.1023	1.0		
SI0590-2	SAMP	SM5310B	20.000mL	20.000mL	1	1.507	1.5 mg/L	NA	1	.1023	1.0		
SI0594-2	SAMP	SM5310B	20.000mL	20.000mL	1	.2454	J0.24 mg/L	NA	1	0.10	1.0		
SI0596-1	SAMP	SM5310B	20.000mL	20.000mL	1	.3627	J0.36 mg/L	NA	1	0.10	1.0		
WG157902-1	MBLANK	SM5310B	20.000mL	20.000mL	1	.06687	U0.50 mg/L	NA	1	0.10	1.0		
WG157902-2	LCS	SM5310B	20.000mL	20.000mL	1	43.91	44. mg/L	NA	1	0.10	1.0		88

Comments:

SI0596-1	BP0W6-5-Equipment Rinsate Blank-012215
WG157902-1	SI0496-11
WG157902-2	SI0496-11
WG157902-3	SI0496-11

Entered by: CLB Date: 2-4-15 Accepted by: RW Date: 2/4/15

Katahdin Analytical Services 0000033

WET CHEMISTRY BATCH REPORT
Feb 04 2015, 12:25 pm
Batch: WG157903

Parameter: Dissolved Organic Carbon (1)

Prep Date: N/A

Date Analyzed: 02-FEB-15

Prep Method: N/A

Analyst Initials: CB

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI0342-11	SAMP	SW846 9060A	20.000mL	20.000mL	1	5.912	5.9 mg/L	NA	1	0.32	1.0		
SI0342-15	SAMP	SW846 9060A	20.000mL	20.000mL	1	.1453	U1.0 mg/L	NA	1	0.32	1.0		
SI0342-3	SAMP	SW846 9060A	20.000mL	20.000mL	1	4.333	4.3 mg/L	NA	1	0.32	1.0		
SI0342-7	SAMP	SW846 9060A	20.000mL	20.000mL	1	.2742	U1.0 mg/L	NA	1	0.32	1.0		
WG157903-1	MBLANK	SW846 9060A	20.000mL	20.000mL	1	.06687	U0.50 mg/L	NA	1	0.32	1.0		
WG157903-2	LCS	SW846 9060A	20.000mL	20.000mL	1	43.91	44. mg/L	NA	1	0.32	1.0		88
WG157903-3	MS	SW846 9060A	20.000mL	20.000mL	1	94.31	94. mg/L	NA	1	0.32	1.0		90
WG157903-4	MSD	SW846 9060A	20.000mL	20.000mL	1	94.64	95. mg/L	NA	1	0.32	1.0	0	90
WG157903-7	LCSD	SW846 9060A	20.000mL	20.000mL	1	43.89	44. mg/L	NA	1	0.32	1.0	0	88

Comments:

SI0342-11	NYCDEP-WWTP-BQ-WW5-D; DORO-low volume
SI0342-3	MS/MSD, MS/DUP for Metals, NTC-NYCDEP-CSO-NCQ-077-WW5-D
WG157903-1	SI0342-3
WG157903-2	SI0342-3
WG157903-3	SI0342-3
WG157903-4	SI0342-3
WG157903-7	SI0342-3

Entered by: CLB Date: 2-4-15 Accepted by: RD Date: 2/4/15

Katahdin Analytical Services 0000034

WET CHEMISTRY BATCH REPORT
Feb 04 2015, 12:27 pm
Batch: WG157904

Parameter: Dissolved Organic Carbon (Average)

Prep Date: 02-FEB-15

Date Analyzed: 04-FEB-15

Prep Method: N/A

Analyst Initials: CB

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI0449-1	SAMP	SW846 9060A	20.000mL	20.000mL	1	1.802	1.8 mg/L	NA	1	0.32	1.0		
SI0449-2	SAMP	SW846 9060A	20.000mL	20.000mL	1	4.663	4.7 mg/L	NA	1	0.32	1.0		
SI0449-3	SAMP	SW846 9060A	20.000mL	20.000mL	1	5.9525	6.0 mg/L	NA	1	0.32	1.0		
SI0449-4	SAMP	SW846 9060A	20.000mL	20.000mL	1	3.9785	4.0 mg/L	NA	1	0.32	1.0		

Comments:

SI0449-2	MS/MSD
WG157904-1	SI0449-2
WG157904-2	SI0449-2
WG157904-3	SI0449-2
WG157904-4	SI0449-2

Entered by: CLB Date: 2-4-15 Accepted by: RD Date: 2/4/15

Katahdin Analytical Services 0000035

WET CHEMISTRY BATCH REPORT
Feb 04 2015, 12:27 pm
Batch: WG157904

Parameter: Dissolved Organic Carbon (1)

Prep Date: N/A

Date Analyzed: 02-FEB-15

Prep Method: N/A

Analyst Initials: CB

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI0449-1	SAMP	SW846 9060A	20.000mL	20.000mL	1	1.831	1.8 mg/L	NA	1	0.32	1.0		
SI0449-2	SAMP	SW846 9060A	20.000mL	20.000mL	1	4.704	4.7 mg/L	NA	1	0.32	1.0		
SI0449-3	SAMP	SW846 9060A	20.000mL	20.000mL	1	6.068	6.1 mg/L	NA	1	0.32	1.0		
SI0449-4	SAMP	SW846 9060A	20.000mL	20.000mL	1	3.967	4.0 mg/L	NA	1	0.32	1.0		
WG157904-1	MBLANK	SW846 9060A	20.000mL	20.000mL	1	.06687	U0.50 mg/L	NA	1	0.32	1.0		
WG157904-2	LCS	SW846 9060A	20.000mL	20.000mL	1	43.91	44. mg/L	NA	1	0.32	1.0		88
WG157904-3	MS	SW846 9060A	20.000mL	20.000mL	1	94.84	95. mg/L	NA	1	0.32	1.0		90
WG157904-4	MSD	SW846 9060A	20.000mL	20.000mL	1	95.25	95. mg/L	NA	1	0.32	1.0	0	90

Comments:

SI0449-2	MS/MSD
WG157904-1	SI0449-2
WG157904-2	SI0449-2
WG157904-3	SI0449-2
WG157904-4	SI0449-2

Entered by: LLB Date: 2-4-15 Accepted by: RD Date: 2/4/15

Katahdin Analytical Services 0000036

WET CHEMISTRY BATCH REPORT
Feb 04 2015, 12:27 pm
Batch: WG157904

Parameter: Dissolved Organic Carbon (2)

Prep Date: N/A

Date Analyzed: 02-FEB-15

Prep Method: N/A

Analyst Initials: CB

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI0449-1	SAMP	SW846 9060A	20.000mL	20.000mL	1	1.773	1.8 mg/L	NA	1	0.32	1.0		
SI0449-2	SAMP	SW846 9060A	20.000mL	20.000mL	1	4.622	4.6 mg/L	NA	1	0.32	1.0		
SI0449-3	SAMP	SW846 9060A	20.000mL	20.000mL	1	5.837	5.8 mg/L	NA	1	0.32	1.0		
SI0449-4	SAMP	SW846 9060A	20.000mL	20.000mL	1	3.99	4.0 mg/L	NA	1	0.32	1.0		

Comments:

SI0449-2	MS/MSD
WG157904-1	SI0449-2
WG157904-2	SI0449-2
WG157904-3	SI0449-2
WG157904-4	SI0449-2

Entered by: CLB Date: 2-4-15 Accepted by: JD Date: 2/4/15

Katahdin Analytical Services 0000037

WET CHEMISTRY BATCH REPORT
Feb 04 2015, 12:26 pm
Batch: WG157936

Parameter: Total Organic Carbon (Average)

Prep Date: 02-FEB-15

Date Analyzed: 04-FEB-15

Prep Method: N/A

Analyst Initials: CB

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI0499-3	SAMP	SW846 9060A	20mL	20mL	40	2173	2200 mg/L	NA	1	4.1	40.		
SI0499-4	SAMP	SW846 9060A	20mL	20mL	1	31.74	32. mg/L	NA	1	0.10	1.0		

Comments:

WG157936-1 SI0499-3
WG157936-2 SI0499-3

Entered by: CLB Date: 2-4-15 Accepted by: BD Date: 2/4/15

Katahdin Analytical Services 0000038

WET CHEMISTRY BATCH REPORT
Feb 04 2015, 12:26 pm
Batch: WG157936

Parameter: Total Organic Carbon (1)

Prep Date: N/A

Date Analyzed: 02-FEB-15

Prep Method: N/A

Analyst Initials: CB

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI0499-3	SAMP	SW846 9060A	20mL	20mL	40	2172	2200 mg/L	NA	1	4.1	40.		
SI0499-4	SAMP	SW846 9060A	20mL	20mL	1	31.93	32. mg/L	NA	1	0.10	1.0		
WG157936-1	MBLANK	SW846 9060A	20.000mL	20.000mL	1	.06687	U0.50 mg/L	NA	1	0.10	1.0		
WG157936-2	LCS	SW846 9060A	20.000mL	20.000mL	1	43.91	44. mg/L	NA	1	0.10	1.0		88

Comments:

WG157936-1 SI0499-3
WG157936-2 SI0499-3

Entered by: CLB Date: 2-4-15 Accepted by: RD Date: 2/4/15

Katahdin Analytical Services 0000039

WET CHEMISTRY BATCH REPORT
Feb 04 2015, 12:26 pm
Batch: WG157936

Parameter: Total Organic Carbon (2)

Prep Date: N/A

Date Analyzed: 02-FEB-15

Prep Method: N/A

Analyst Initials: CB

Prep Chemist: N/A

Sample	Samp Type	Method	Initial Amt.	Final Amt.	Rpt. DF	Result	Rpt Result	TS(%)	PQL	MDL	Adj PQL	RPD	%Rec
SI0499-3	SAMP	SW846 9060A	20mL	20mL	80	2174	2200 mg/L	NA	1	8.2	80.		
SI0499-4	SAMP	SW846 9060A	20mL	20mL	1	31.55	32. mg/L	NA	1	0.10	1.0		

Comments:

WG157936-1 SI0499-3
WG157936-2 SI0499-3

Entered by: CLB Date: 2-4-15 Accepted by: RD Date: 2/4/15

Katahdin Analytical Services 0000040

KATAHDIN ANALYTICAL SERVICES, INC.
CARBON ANALYSIS RUN INFORMATION SHEET

INSTR. ID: WC2 (Shimadzu TOC-V_{CPH}) **ANALYST:** CLB **DATE:** 2-4-15

FILE NAME: PT-DOC Aq 2-2-15 **METHOD(S):**

TOC	DOC	TIC
☐ EPA 415.1	☐ EPA 415.1	☐ EPA 415.1
☒ SM5310B	☐ SM5310B	☐ SM5310B
☒ SW9060	☒ SW9060	☐

CALIBRATION DATE: 11-06-14 **CALIBRATION ANALYST:** CLB

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)
W12776	1-19-15	4-19-15	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	W12661	11-17-14	2-17-15	100 mg C/L
LCS	W12693	12-5-15	3-5-15	50 mg C/L
MS Stock Std. *	W12776	1-19-15	4-19-15	2000 mg C/L
Alkalinity Check	W12502	9-30-14	3-30-15	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:

	Sample Name	Dilution	Result	Comment	Date / Time	Vial
1	ALK CHECK	1.000	NPOC:0.1058 mg/		2/2/2015 2:35:50 PM	1
2	CCV	1.000	NPOC:91.10 mg/L	91.1%	2/2/2015 2:51:25 PM	2
3	CCB	1.000	NPOC:0.06687 m		2/2/2015 3:03:35 PM	3
4	LCS	1.000	NPOC:43.91 mg/L		2/2/2015 3:23:26 PM	4
5	LCSD	1.000	NPOC:43.89 mg/L		2/2/2015 3:38:47 PM	5
6	SI0496-11	1.000	NPOC:6.594 mg/L		2/2/2015 3:52:48 PM	6
7	SI0496-11 D	1.000	NPOC:6.638 mg/L		2/2/2015 4:04:52 PM	6
8	SI0590-1	1.000	NPOC:22.79 mg/L		2/2/2015 4:19:24 PM	7
9	SI0590-2	1.000	NPOC:1.507 mg/L		2/2/2015 4:32:50 PM	8
10	SI0594-2	1.000	NPOC:0.2454 mg/		2/2/2015 4:46:16 PM	9
11	SI0596-1	1.000	NPOC:0.3627 mg/		2/2/2015 4:59:58 PM	10
12	SI0342-3	1.000	NPOC:4.333 mg/L		2/2/2015 5:13:55 PM	11
13	SI0342-3	1.000	NPOC:4.372 mg/L		2/2/2015 5:25:33 PM	11
14	CCV	1.000	NPOC:91.18 mg/L	91.2%	2/2/2015 5:41:14 PM	2
15	CCB	1.000	NPOC:0.1816 mg/		2/2/2015 5:54:34 PM	3
16	SI0342-3 MS	1.000	NPOC:94.31 mg/L		2/2/2015 6:10:23 PM	12
17	SI0342-3 MSD	1.000	NPOC:94.64 mg/L		2/2/2015 6:23:40 PM	12
18	SI0342-7	1.000	NPOC:0.3655 mg/		2/2/2015 6:36:43 PM	13
19	SI0342-7	1.000	NPOC:0.2742 mg/		2/2/2015 6:47:20 PM	13
20	SI0342-11	1.000	NPOC:6.110 mg/L		2/2/2015 7:01:17 PM	14
21	SI0342-11	1.000	NPOC:5.912 mg/L		2/2/2015 7:12:49 PM	14
22	SI0342-15	1.000	NPOC:0.1963 mg/		2/2/2015 7:25:30 PM	15
23	SI0342-15	1.000	NPOC:0.1453 mg/		2/2/2015 7:35:49 PM	15
24	SI0449-1	1.000	NPOC:1.831 mg/L		2/2/2015 7:49:12 PM	16
25	SI0449-1	1.000	NPOC:1.773 mg/L		2/2/2015 8:00:28 PM	16
26	CCV	1.000	NPOC:90.90 mg/L	90.9%	2/2/2015 8:16:01 PM	62
27	CCB	1.000	NPOC:0.000 mg/L		2/2/2015 8:27:29 PM	63
28	SI0449-2	1.000	NPOC:4.704 mg/L		2/2/2015 8:41:17 PM	17
29	SI0449-2	1.000	NPOC:4.622 mg/L		2/2/2015 8:52:51 PM	17
30	SI0449-2 MS	1.000	NPOC:94.84 mg/L		2/2/2015 9:08:26 PM	18
31	SI0449-2 MSD	1.000	NPOC:95.25 mg/L		2/2/2015 9:21:45 PM	18
32	SI0449-3	1.000	NPOC:6.068 mg/L		2/2/2015 9:35:33 PM	19
33	SI0449-3	1.000	NPOC:5.837 mg/L		2/2/2015 9:47:15 PM	19
34	SI0449-4	1.000	NPOC:3.967 mg/L		2/2/2015 10:01:06 PM	20
35	SI0449-4	1.000	NPOC:3.990 mg/L		2/2/2015 10:12:41 PM	20
36	SI0499-3	40.00	NPOC:2172 mg/L		2/2/2015 10:27:38 PM	21
37	SI0499-3	80.00	NPOC:2174 mg/L		2/2/2015 10:42:36 PM	22
38	SI0499-4	1.000	NPOC:31.93 mg/L		2/2/2015 10:58:33 PM	23
39	SI0499-4	1.000	NPOC:31.55 mg/L		2/2/2015 11:11:06 PM	23
40	CCV	1.000	NPOC:91.21 mg/L	91.2%	2/2/2015 11:26:43 PM	62
41	CCB	1.000	NPOC:0.1474 mg/		2/2/2015 11:40:20 PM	63
42	SI0496-11	1.000	NPOC:6.904 mg/L		2/2/2015 11:54:38 PM	24
43	SI0496-11	1.000	NPOC:7.097 mg/L		2/3/2015 12:06:59 AM	24
44	CCV	1.000	NPOC:91.21 mg/L	91.2%	2/3/2015 12:22:42 AM	64
45	CCB	1.000	NPOC:0.000 mg/L		2/3/2015 12:34:29 AM	65

Instr.Information

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

Sample

Sample Name:	ALK CHECK
Sample ID:	<Untitled>
Origin:	DOUBLE INJECTION.met
Chk. Result	

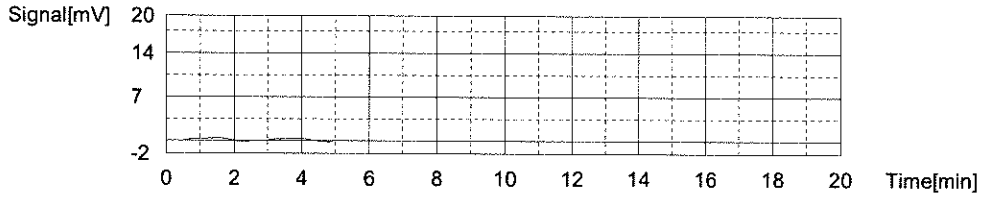
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1058 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1.842	0.1013mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 2:33:11 PM
2	2.006	0.1103mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 2:35:50 PM

Mean Area 1.924
Mean Conc. 0.1058mg/L



Sample

Sample Name:	CCV
Sample ID:	<Untitled>
Origin:	DOUBLE INJECTION.met
Chk. Result	

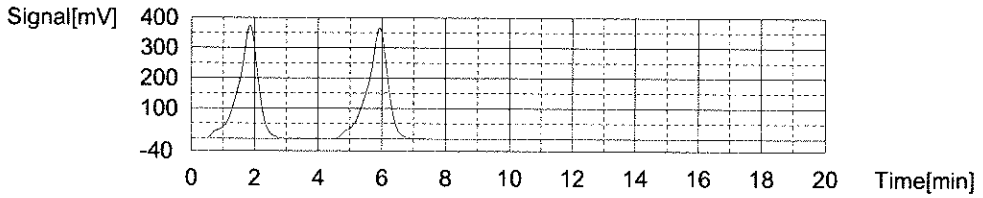
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:91.10 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1652	90.85mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 2:47:15 PM
2	1661	91.34mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 2:51:25 PM

Mean Area 1657
Mean Conc. 91.10mg/L



Katahdin Analytical Services 0000043

Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

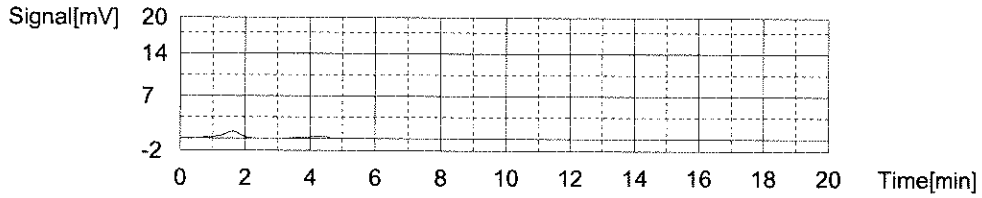
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.06687 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.432	0.1337mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 3:01:29 PM
2	0.000	0.000mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 3:03:35 PM

Mean Area 1.216
Mean Conc. 0.06687mg/L



Sample

Sample Name: LCS
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

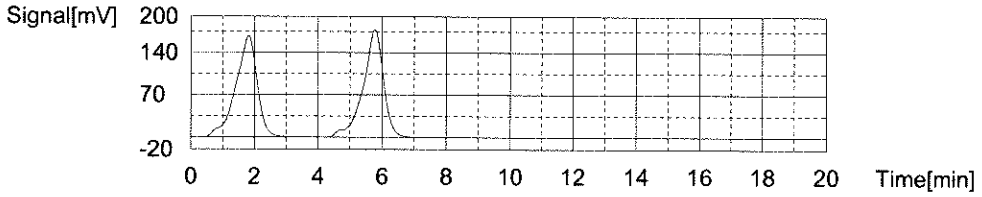
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:43.91 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	796.0	43.77mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 3:19:21 PM
2	800.9	44.04mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 3:23:26 PM

Mean Area 798.5
Mean Conc. 43.91mg/L



Sample

Sample Name: LCSD
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

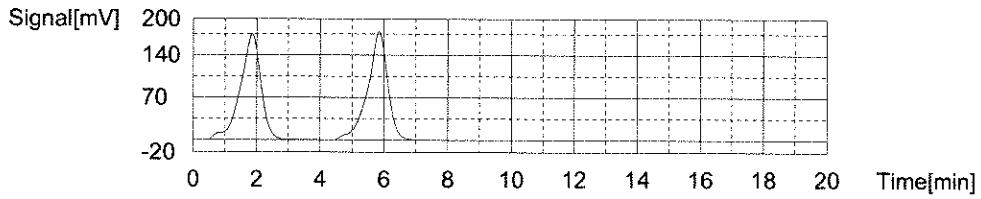
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:43.89 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	796.9	43.82mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 3:34:45 PM
2	799.2	43.95mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 3:38:47 PM

Mean Area 798.1
Mean Conc. 43.89mg/L



Sample

Sample Name: SI0496-11
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

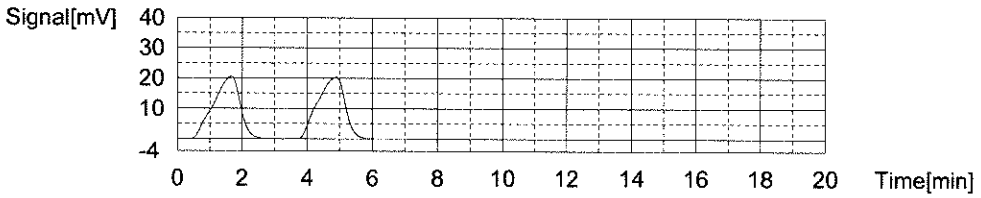
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.594 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	119.0	6.544mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 3:49:23 PM
2	120.8	6.643mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 3:52:48 PM

Mean Area 119.9
Mean Conc. 6.594mg/L



Sample

Sample Name: SI0496-11 D
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.638 mg/L

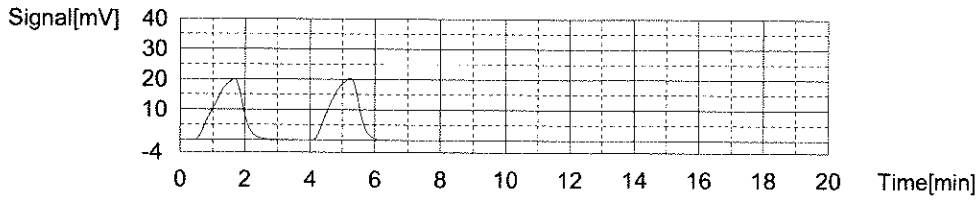
1. Det

Anal.: NPOC

Katahdin Analytical Services 0000045

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	120.7	6.638mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 4:01:30 PM
2	120.7	6.638mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 4:04:52 PM

Mean Area 120.7
Mean Conc. 6.638mg/L



Sample

Sample Name: SI0590-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

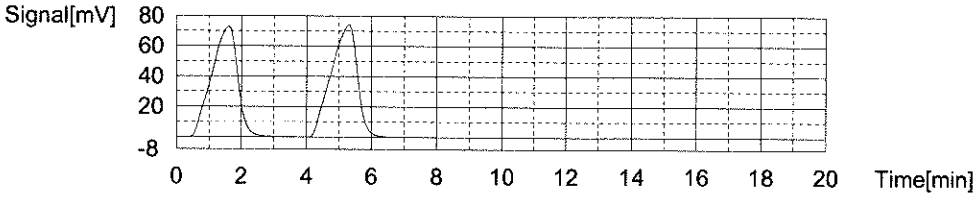
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:22.79 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	409.8	22.54mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 4:15:44 PM
2	419.2	23.05mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 4:19:24 PM

Mean Area 414.5
Mean Conc. 22.79mg/L



Sample

Sample Name: SI0590-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

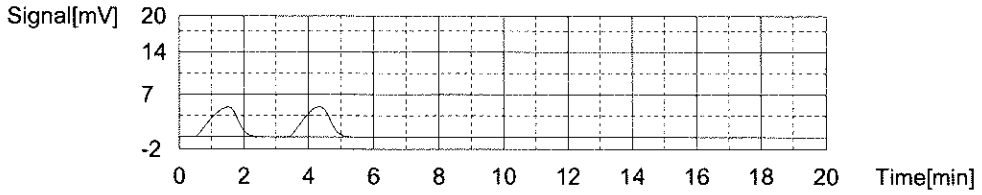
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.507 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	27.66	1.521mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 4:29:45 PM
2	27.14	1.493mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 4:32:50 PM

Mean Area 27.40
Mean Conc. 1.507mg/L



Sample

Sample Name: SI0594-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

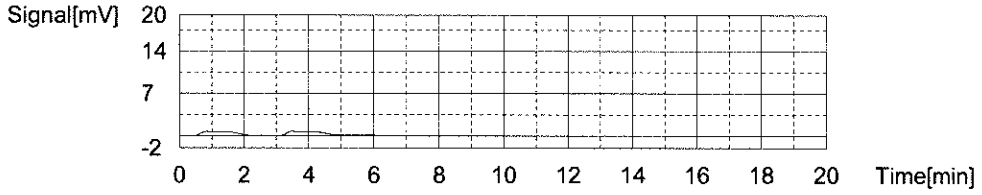
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2454 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.075	0.2241mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 4:42:42 PM
2	4.849	0.2667mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 4:46:16 PM

Mean Area 4.462
Mean Conc. 0.2454mg/L



Sample

Sample Name: SI0596-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

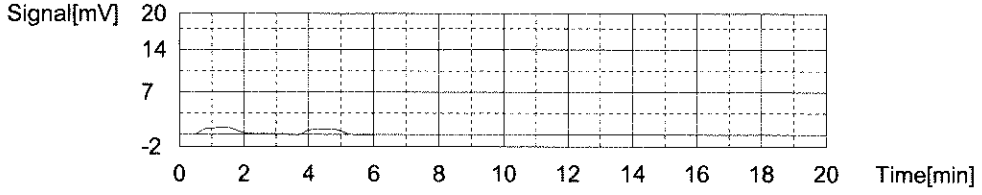
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3627 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	7.240	0.3981mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 4:57:04 PM
2	5.951	0.3273mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 4:59:58 PM

Mean Area 6.596
Mean Conc. 0.3627mg/L



Sample

Sample Name: SI0342-3
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

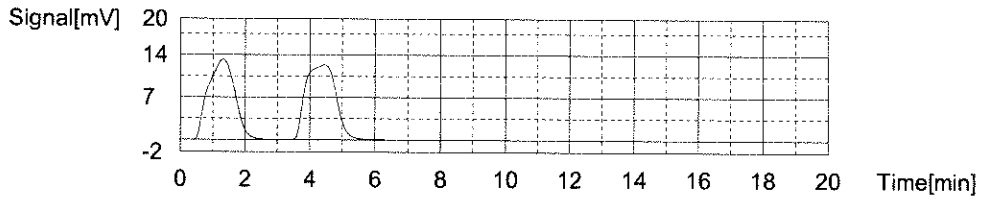
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.333 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	77.14	4.242mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 5:10:30 PM
2	80.45	4.424mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 5:13:55 PM

Mean Area 78.80
Mean Conc. 4.333mg/L



Sample

Sample Name: SI0342-3
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

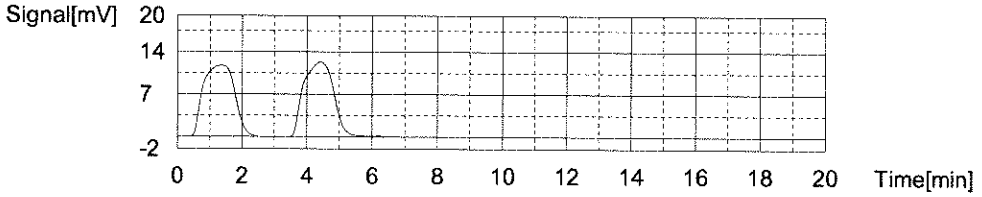
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.372 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	80.08	4.404mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 5:22:04 PM
2	78.91	4.339mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 5:25:33 PM

Mean Area 79.50
Mean Conc. 4.372mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

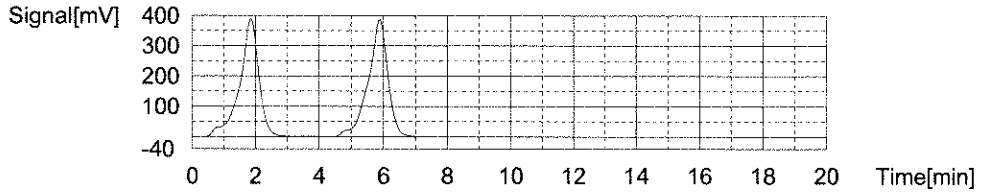
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:91.18 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1652	90.85mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 5:37:00 PM
2	1664	91.51mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 5:41:14 PM

Mean Area 1658
Mean Conc. 91.18mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

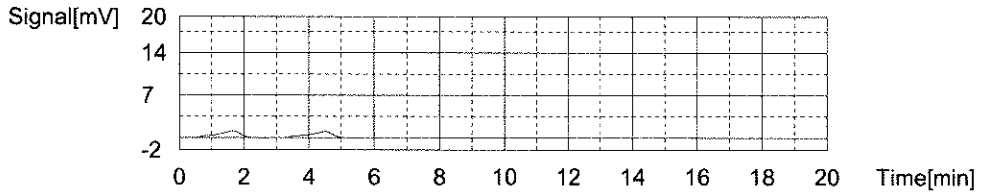
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1816 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.026	0.1114mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 5:51:35 PM
2	4.578	0.2518mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 5:54:34 PM

Mean Area 3.302
Mean Conc. 0.1816mg/L



Sample

Sample Name: SI0342-3 MS
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

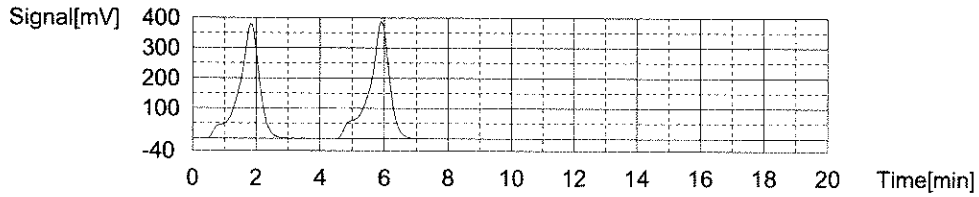
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:94.31 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1707	93.87mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 6:06:11 PM
2	1723	94.75mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 6:10:23 PM

Mean Area 1715
Mean Conc. 94.31mg/L



Sample

Sample Name: SI0342-3 MSD
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

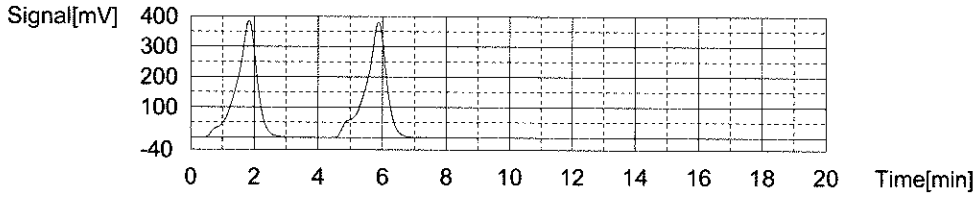
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:94.64 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1716	94.37mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 6:19:32 PM
2	1726	94.92mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 6:23:40 PM

Mean Area 1721
Mean Conc. 94.64mg/L



Sample

Sample Name: SI0342-7
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

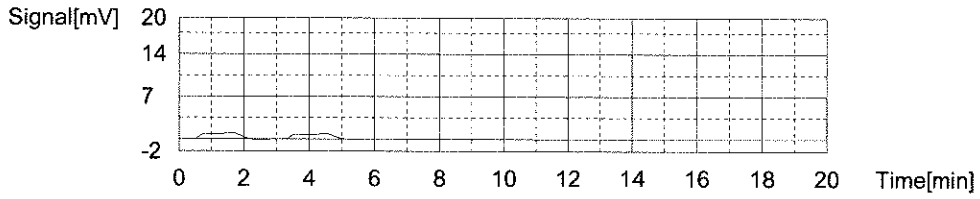
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.3655 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	6.925	0.3808mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 6:33:42 PM
2	6.368	0.3502mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 6:36:43 PM

Mean Area 6.647
Mean Conc. 0.3655mg/L



Sample

Sample Name: SI0342-7
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

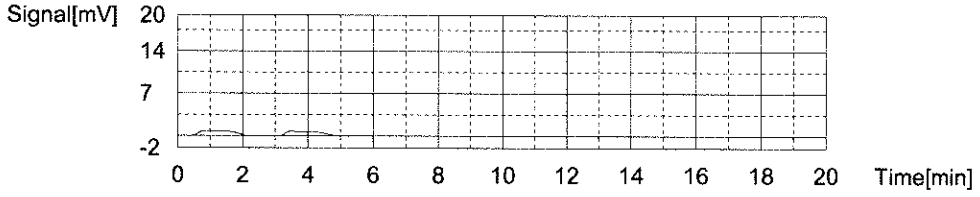
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.2742 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	5.250	0.2887mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 6:44:28 PM
2	4.723	0.2597mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 6:47:20 PM

Mean Area 4.986
Mean Conc. 0.2742mg/L



Sample

Sample Name: SI0342-11
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

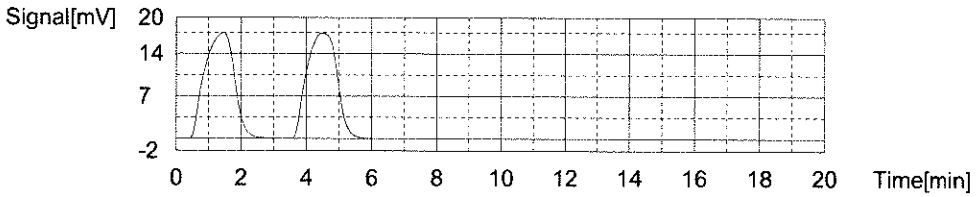
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.110 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	109.7	6.033mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 6:57:56 PM
2	112.5	6.187mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 7:01:17 PM

Mean Area 111.1
Mean Conc. 6.110mg/L



Katahdin Analytical Services 0000051

Sample

Sample Name: Si0342-11
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

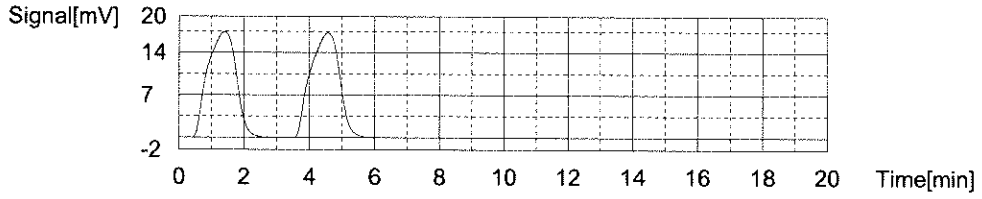
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.912 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	107.1	5.890mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 7:09:28 PM
2	107.9	5.934mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 7:12:49 PM

Mean Area 107.5
Mean Conc. 5.912mg/L



Sample

Sample Name: Si0342-15
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

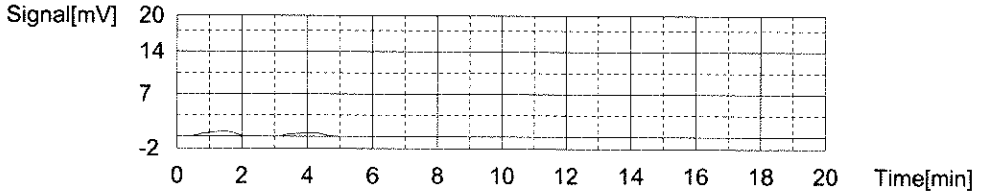
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1963 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.036	0.2220mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 7:22:40 PM
2	3.103	0.1706mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 7:25:30 PM

Mean Area 3.570
Mean Conc. 0.1963mg/L



Sample

Sample Name: SI0342-15
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

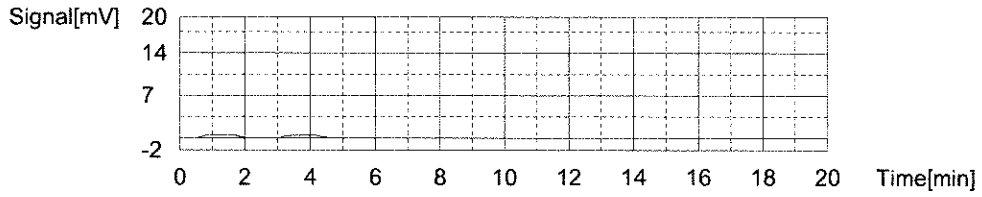
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1453 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.648	0.1456mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 7:33:05 PM
2	2.635	0.1449mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 7:35:49 PM

Mean Area 2.642
Mean Conc. 0.1453mg/L



Sample

Sample Name: SI0449-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

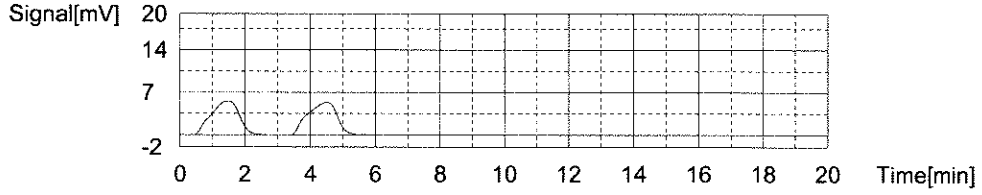
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.831 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.38	1.836mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 7:46:01 PM
2	33.20	1.826mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 7:49:12 PM

Mean Area 33.29
Mean Conc. 1.831mg/L



Sample

Sample Name: SI0449-1
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

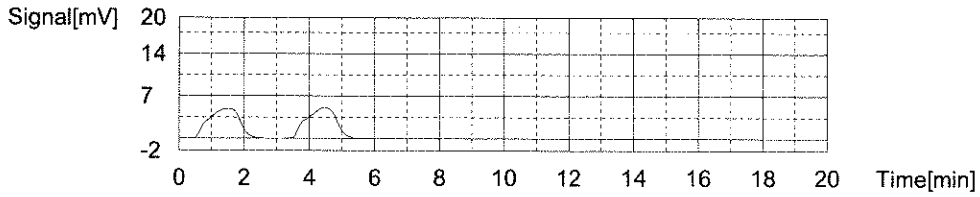
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:1.773 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.44	1.784mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 7:57:16 PM
2	32.04	1.762mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 8:00:28 PM

Mean Area 32.24
Mean Conc. 1.773mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

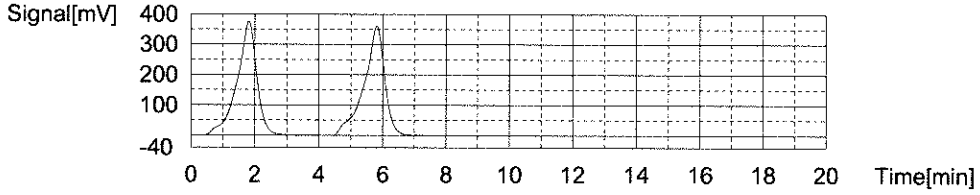
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:90.90 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1648	90.63mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 8:11:50 PM
2	1658	91.18mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 8:16:01 PM

Mean Area 1653
Mean Conc. 90.90mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

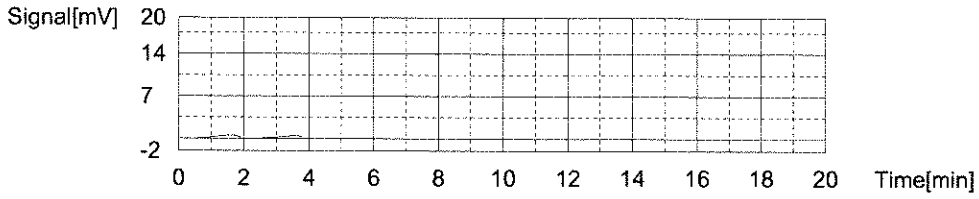
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.000 mg/L

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 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 8:25:11 PM
2	0.000	0.000mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 8:27:29 PM

Mean Area 0.000
Mean Conc. 0.000mg/L



Sample

Sample Name: SI0449-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

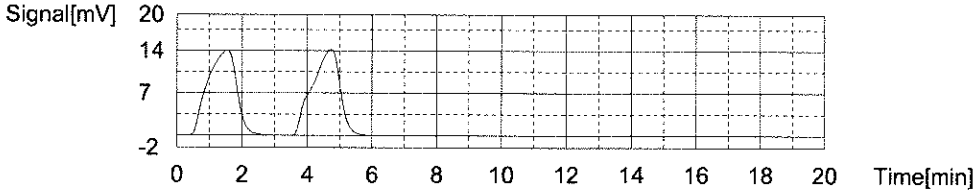
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.704 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	85.86	4.722mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 8:37:56 PM
2	85.23	4.687mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 8:41:17 PM

Mean Area 85.55
Mean Conc. 4.704mg/L



Sample

Sample Name: SI0449-2
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

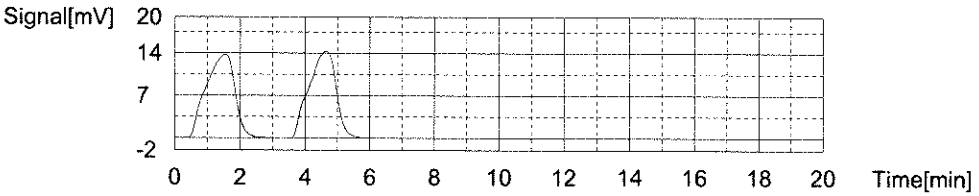
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:4.622 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	83.79	4.608mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 8:49:30 PM
2	84.31	4.636mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 8:52:51 PM

Mean Area 84.05
Mean Conc. 4.622mg/L



Sample

Sample Name: SI0449-2 MS
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

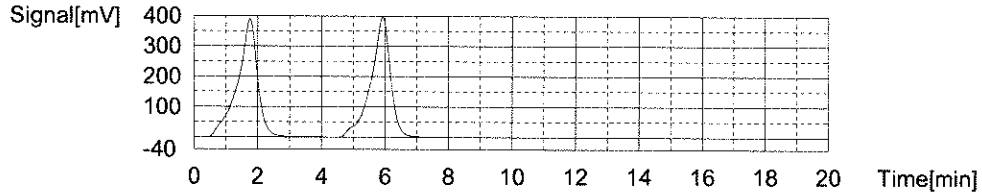
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:94.84 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1718	94.48mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 9:04:12 PM
2	1731	95.19mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 9:08:26 PM

Mean Area 1725
Mean Conc. 94.84mg/L



Sample

Sample Name: SI0449-2 MSD
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

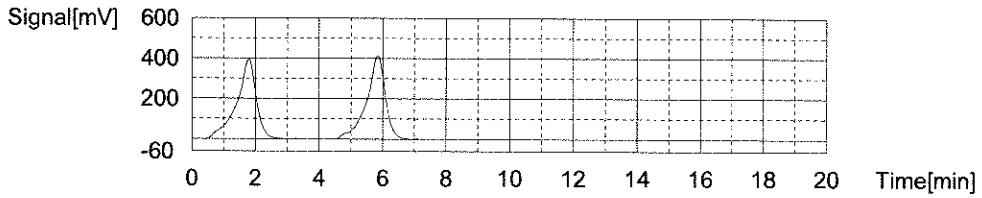
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:95.25 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1724	94.81mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 9:17:32 PM
2	1740	95.69mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 9:21:45 PM

Mean Area 1732
Mean Conc. 95.25mg/L



Sample

Katahdin Analytical Services 0000056

Sample Name: SI0449-3
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

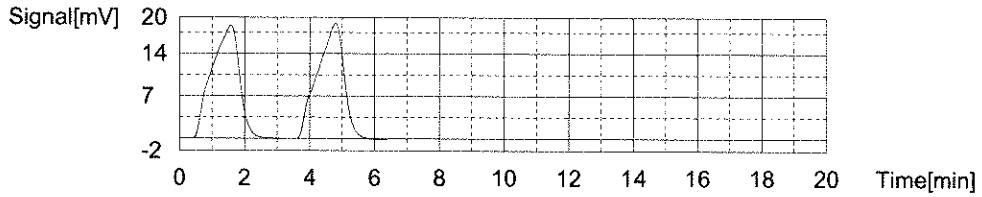
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.068 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	110.5	6.077mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 9:32:09 PM
2	110.2	6.060mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 9:35:33 PM

Mean Area 110.3
Mean Conc. 6.068mg/L



Sample

Sample Name: SI0449-3
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

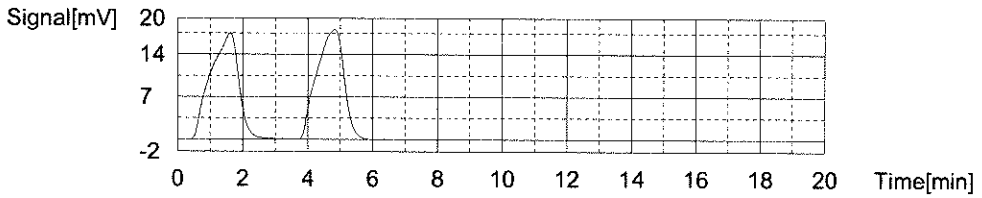
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:5.837 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	105.1	5.780mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 9:43:56 PM
2	107.2	5.895mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 9:47:15 PM

Mean Area 106.2
Mean Conc. 5.837mg/L



Sample

Sample Name: SI0449-4
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.967 mg/L

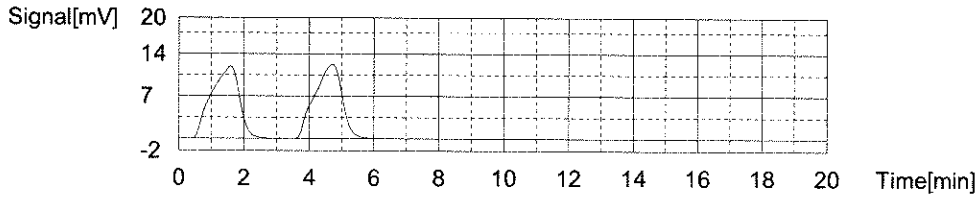
Katahdin Analytical Services 0000057

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	71.50	3.932mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 9:57:45 PM
2	72.76	4.001mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 10:01:06 PM

Mean Area 72.13
Mean Conc. 3.967mg/L



Sample

Sample Name: SI0449-4
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

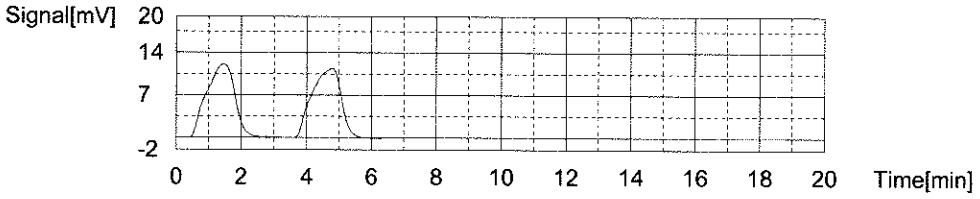
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:3.990 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	72.77	4.002mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 10:09:23 PM
2	72.35	3.979mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 10:12:41 PM

Mean Area 72.56
Mean Conc. 3.990mg/L



Sample

Sample Name: SI0499-3
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

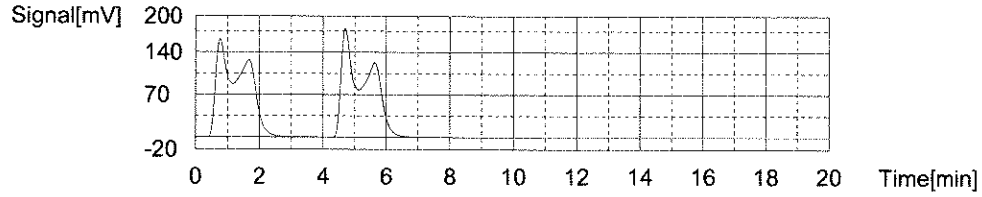
Type	Anal.	Dil.	Result
Unknown	NPOC	40.00	NPOC:2172 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	986.9	2171mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 10:23:49 PM
2	987.9	2173mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 10:27:38 PM

Mean Area 987.4
Mean Conc. 2172mg/L



Sample

Sample Name: SI0499-3
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

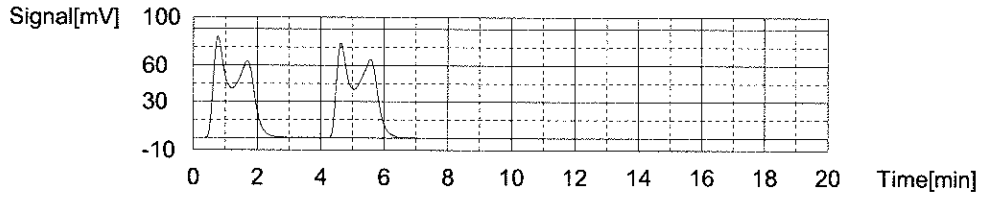
Type	Anal.	Dil.	Result
Unknown	NPOC	80.00	NPOC:2174 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	494.1	2174mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 10:38:50 PM
2	494.3	2175mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 10:42:36 PM

Mean Area 494.2
Mean Conc. 2174mg/L



Sample

Sample Name: SI0499-4
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

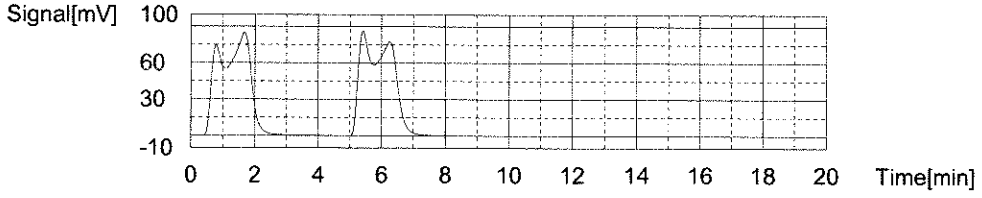
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:31.93 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	576.4	31.70mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 10:54:40 PM
2	584.8	32.16mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 10:58:33 PM

Mean Area 580.6
Mean Conc. 31.93mg/L



Sample

Sample Name: SI0499-4
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

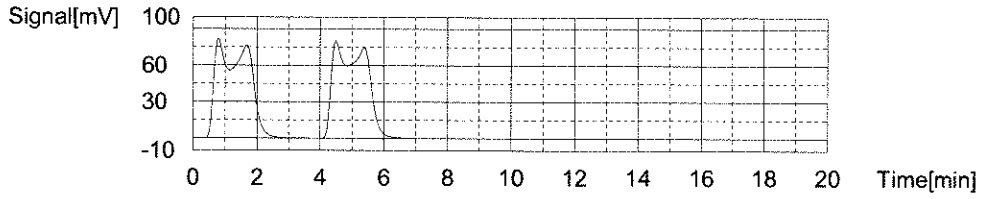
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:31.55 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	570.5	31.37mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 11:07:19 PM
2	577.0	31.73mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 11:11:06 PM

Mean Area 573.8
Mean Conc. 31.55mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

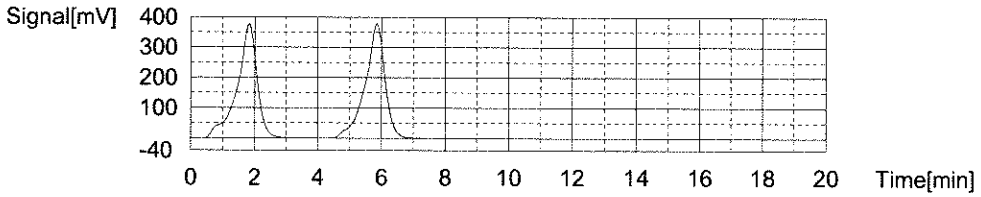
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:91.21 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1649	90.68mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 11:22:27 PM
2	1668	91.73mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 11:26:43 PM

Mean Area 1659
Mean Conc. 91.21mg/L



Sample

Katahdin Analytical Services 0000060

Sample Name: CCB
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

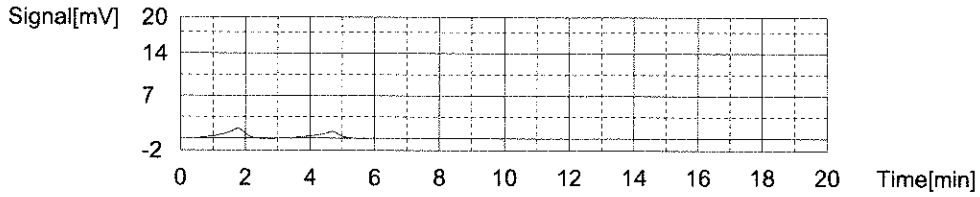
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.1474 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.379	0.2408mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 11:37:15 PM
2	0.9822	0.05401mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 11:40:20 PM

Mean Area 2.681
Mean Conc. 0.1474mg/L



Sample

Sample Name: SI0496-11
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

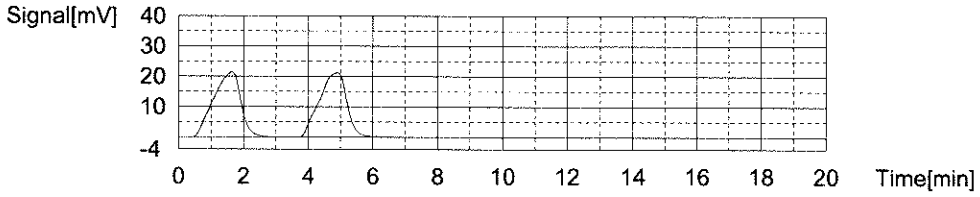
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:6.904 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	125.1	6.880mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 11:51:02 PM
2	126.0	6.929mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/2/2015 11:54:38 PM

Mean Area 125.6
Mean Conc. 6.904mg/L



Sample

Sample Name: SI0496-11
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

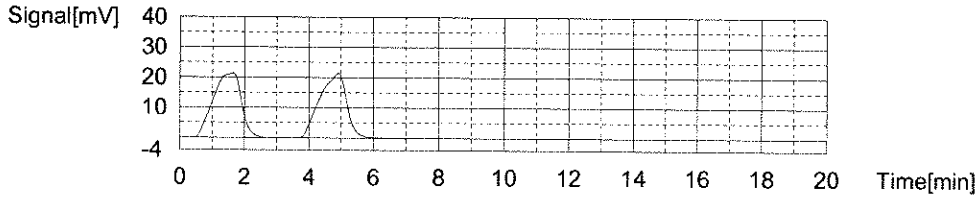
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:7.097 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	131.3	7.221mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/3/2015 12:02:58 AM
2	126.8	6.973mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/3/2015 12:06:59 AM

Mean Area 129.1
Mean Conc. 7.097mg/L



Sample

Sample Name: CCV
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

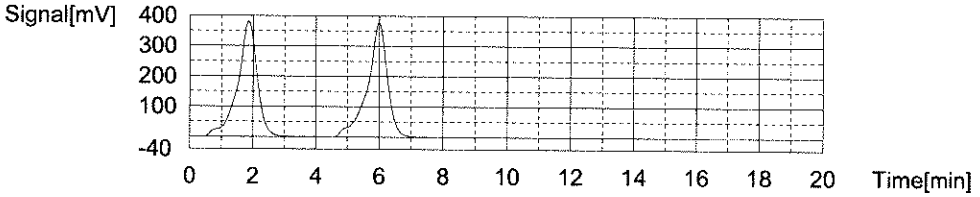
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:91.21 mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1650	90.74mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/3/2015 12:18:28 AM
2	1667	91.67mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/3/2015 12:22:42 AM

Mean Area 1659
Mean Conc. 91.21mg/L



Sample

Sample Name: CCB
Sample ID: <Untitled>
Origin: DOUBLE INJECTION.met
Chk. Result

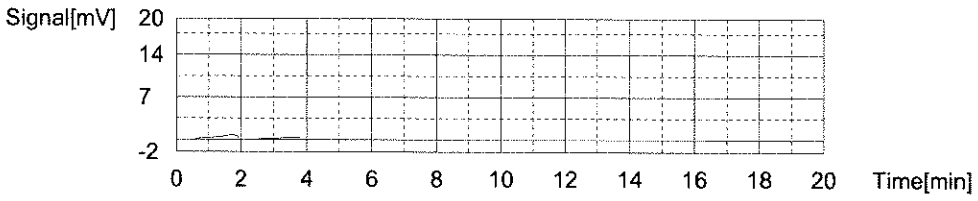
Type	Anal.	Dil.	Result
Unknown	NPOC	1.000	NPOC:0.000 mg/L

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 11-6-14.2014_11_06_16_08_02.cal	2/3/2015 12:32:01 AM
2	0.000	0.000mg/L	150uL	1		toc aq cal 11-6-14.2014_11_06_16_08_02.cal	2/3/2015 12:34:29 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

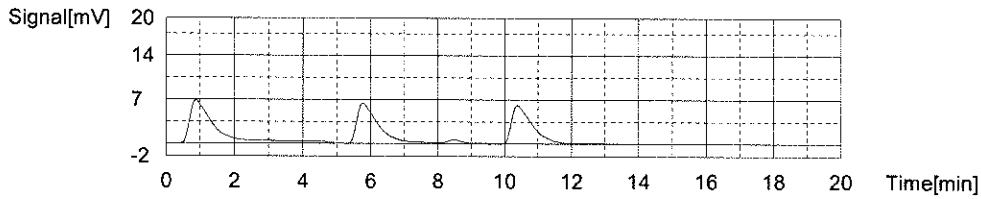
Sample Name:	Untitled
Sample ID:	Untitled
Cal. Curve:	toc aq cal 11-6-14.2014_11_06_16_08_02.cal

Type	Anal.
Standard	TC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	33.07	150uL	1	T*******	E	11/6/2014 4:15:58 PM
2	29.43	150uL	1	*******		11/6/2014 4:20:57 PM
3	26.13	150uL	1	*******		11/6/2014 4:25:13 PM

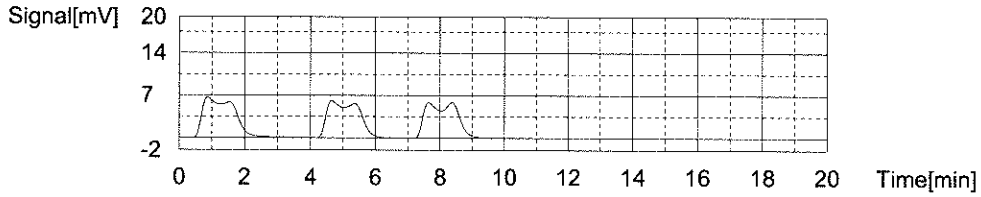
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 27.78



Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	43.48	150uL	1	*******	E	11/6/2014 4:32:18 PM
2	40.55	150uL	1	*******		11/6/2014 4:35:40 PM
3	39.51	150uL	1	*******		11/6/2014 4:39:04 PM

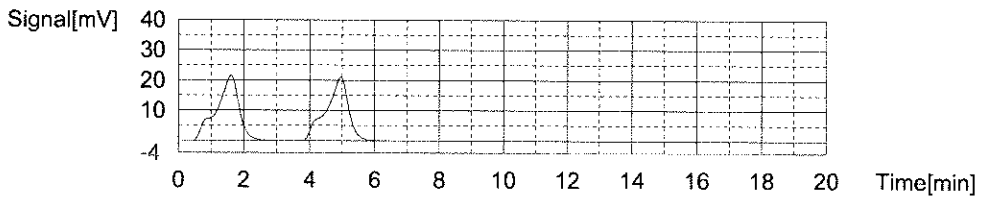
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 40.03



Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	101.8	150uL	1	*******		11/6/2014 4:45:42 PM
2	100.7	150uL	1	*******		11/6/2014 4:49:28 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 101.3

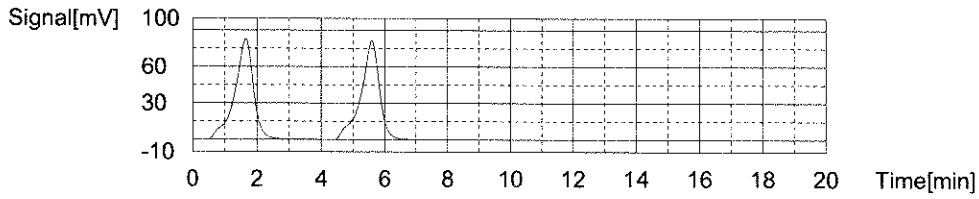


Conc: 20.00mg/L

Katahdin Analytical Services 0000064

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	334.7	150uL	1	*******		11/6/2014 4:56:43 PM
2	331.2	150uL	1	*******		11/6/2014 5:00:37 PM

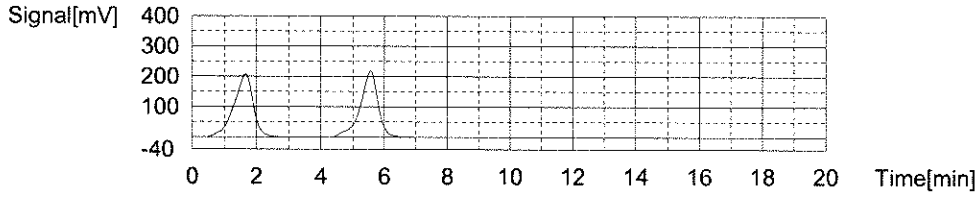
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 332.9



Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	857.9	150uL	1	*******		11/6/2014 5:07:48 PM
2	850.8	150uL	1	*******		11/6/2014 5:11:52 PM

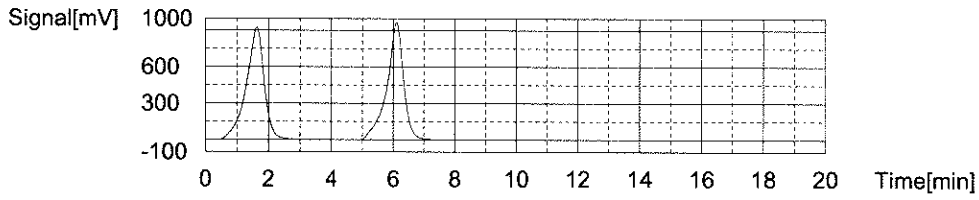
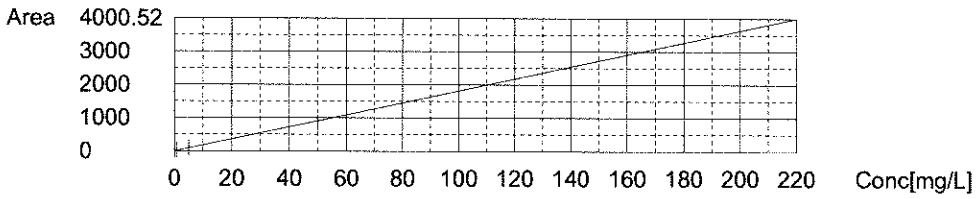
Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 854.4



Conc: 200.0mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	3654	150uL	1	*******		11/6/2014 5:19:38 PM
2	3647	150uL	1	*******		11/6/2014 5:24:17 PM

Acid Add. 0.000%
Sp. Time 0.000sec
Mean Area 3651



Slope: 18.18
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r^2 0.999453