LABORATORY REPORT

May 29, 2013

Eric Grosjean
Atmospheric Analysis & Consulting, Inc.
1534 Eastman Avenue, Suite A
Ventura, CA 93003

RE: Landfill / 130559

Dear Eric:

Enclosed are the results of the samples submitted to our laboratory on May 10, 2013. For your reference, these analyses have been assigned our service request number P1301985.

All analyses were performed according to our laboratory's NELAP and DoD-ELAP-approved quality assurance program. The test results meet requirements of the current NELAP and DoD-ELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP and DoD-ELAP-accredited analytes, refer to the certifications section at www.caslab.com. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

ALS | Environmental

By Kate Aguilera at 2:22 pm, May 30, 2013

Kate Auilera
Project Manager

Client: Atmospheric Analysis & Consulting, Inc. Service Request No: P1301985
Project: Landfill / 130559

CASE NARRATIVE

The samples were received intact under chain of custody on May 10, 2013 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Carboxylic Acids Analysis

The Silica gel tube samples were analyzed for carboxylic acids using combined gas chromatography/mass spectrometry (GC/MS) in accordance with laboratory operating procedures. This method is not included on the laboratory's NELAP or DoD-ELAP scope of accreditation.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. dba ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of Columbia Analytical Services, Inc. dba ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

Columbia Analytical Services, Inc. dba ALS Environmental – Simi Valley

Certifications, Accreditations, and Registrations

Agency	Web Site	Number
AIHA	http://www.aihaaccreditedlabs.org	101661
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0694
DoD ELAP	http://www.pjlabs.com/search-accredited-labs	L11-203
Florida DOH (NELAP)	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E871020
Maine DHHS	http://www.maine.gov/dhhs/mecdc/environmental-health/water/dwp-services/labcert/labcert.htm	2012039
Minnesota DOH (NELAP)	http://www.health.state.mn.us/accreditation	494864
New Jersey DEP (NELAP)	http://www.nj.gov/dep/oqa/	CA009
New York DOH (NELAP)	http://www.wadsworth.org/labcert/elap/elap.html	11221
Oregon PHD (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	CA200007
Pennsylvania DEP	http://www.depweb.state.pa.us/labs	68-03307 (Registration)
Texas CEQ (NELAP)	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	T104704413-12-3
Utah DOH (NELAP)	http://www.health.utah.gov/lab/labimp/certification/index.html	CA015272012-2
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C946

Analyses were performed according to our laboratory's NELAP and DoD-ELAP approved quality assurance program. A complete listing of specific NELAP and DoD-ELAP certified analytes can be found in the certifications section at www.caslab.com, www.alsglobal.com, or at the accreditation body's website.

Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact the laboratory for information corresponding to a particular certification.

DETAIL SUMMARY REPORT

Client: Atmospheric Analysis & Consulting, Inc.
Service Request: P1301985
Project ID: Landfill / 130559

Date Received: 5/10/2013
Time Received: 08:10

Client Sample ID	Lab Code	Matrix	Date Collected	Time Collected	Carbox Acids - Carboxy Acids
130559-62844 Trip Blank	P1301985-001	Air	5/8/2013	00:00	X
130559-62854 BZ-2	P1301985-002	Air	5/8/2013	13:26	X
130559-62863 U-1	P1301985-003	Air	5/7/2013	12:46	X
130559-62872 U-2	P1301985-004	Air	5/7/2013	13:09	X
130559-62881 U-3	P1301985-005	Air	5/8/2013	12:06	X
130559-62890 D-1	P1301985-006	Air	5/7/2013	11:54	X
130559-62899 D-2	P1301985-007	Air	5/7/2013	12:21	X
130559-62908 D-3	P1301985-008	Air	5/8/2013	12:58	X

ATMOSPHERIC ANALYSIS & CONSULTING, INC.
1534 Eastman Avenue, Suite A
Ventura, California 93003
Phone (805) 650-1642 Fax (805) 650-1644
E-mail: info@aaclab.com

AAC Project No. 130559

Subcontractor Lab:
ALS-Colombia Analytical Services
Kate Aguilera
805-526-7161
2655 Park Center Drive, Ste A, Simi Valley, CA 93065

Ship:
ONTRAC STD OVN
AAC Account

Terms are pay when payed
P1301985

CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client Name: AAC, Inc.
Project Name: Landfill
Project Mgr (Print Name): Eric Grosjean
Project Number: 130559
Sampler's Name (Print Name):
Sampler's Signature:

AAC Sample No.	Date Sampled	Time Sampled	Sample Type	Client Sample ID/Description	Type/No. of containers	Volatile Fatty Acids	Hold for Backup	Sample Volume, Liters			
130559-62844	05/08/13		Tube	Trip Blank	Tube 1	X					
130559-62854	05/08/13		Tube	BZ-2	Tube 1	X					
130559-62863	05/07/13		Tube	U-1	Tube 1	X					
130559-62872	05/07/13		Tube	U-2	Tube 1	X					
130559-6280[illegible]	05/08/13		Tube	U-3	Tube 1	X					
130559-62890	05/07/13		Tube	D-1	Tube 1	X					
130559-62899	05/07/13		Tube	D-2	Tube 1	X					
130559-62908	05/08/13		Tube	D-3	Tube 1	X					

Analysis Requested

Send Report:
Attn: Eric Grosjean
Phone #: 805-650-1642
Fax #: 805-650-1644

Send Invoice to:
Attn: Eric Grosjean
egrosjean@aaclab.com
P.O. # NA

Turn Around Time
24-Hr ____ 48-Hr ____
5 day ____ Normal X
Other (Specify)

Special Intructions / remarks:
Please provide Level IV Data Package
Please report in ppbv and ug/m^3 and email Excel spreadsheet
3°C Gel Ice

Relinquished by (Signature)	Print name:	Date/Time	Received by (Signature)	Print Name
[signature]	Eric Grosjean	05/09/13 13:02	[signature] 5/10/13 0820	
Relinquished by (Signature)	Print name:	Date/Time	Received by (Signature)	Print Name

Columbia Analytical Services
Now part of the ALS Group
2655 Park Center Drive, Suite A, Simi Valley, CA 93065 | 805.526.7161 | www.caslab.com

Sample Acceptance Check Form

Client: Atmospheric Analysis & Consulting, Inc. Work order: P1301985
Project: Landfill / 130559
Sample(s) received on: 5/10/13 Date opened: 5/10/13 by: MZAMORA

Note: This form is used for all samples received by ALS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

		Yes	No	N/A
1	Were **sample containers** properly marked with client sample ID?	☒	☐	☐
2	Container(s) **supplied by ALS**?	☐	☒	☐
3	Did **sample containers** arrive in good condition?	☒	☐	☐
4	Were **chain-of-custody** papers used and filled out?	☒	☐	☐
5	Did **sample container labels** and/or tags agree with custody papers?	☒	☐	☐
6	Was **sample volume** received adequate for analysis?	☒	☐	☐
7	Are samples within specified holding times?	☒	☐	☐
8	Was proper **temperature** (thermal preservation) of cooler at receipt adhered to?	☒	☐	☐
	Cooler Temperature: 3° C Blank Temperature: ° C **Gel Packs**			
9	Was a **trip blank** received?	☒	☐	☐
10	Were **custody seals** on outside of cooler/Box?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
	Were custody seals on outside of sample container?	☐	☒	☐
	Location of seal(s)? _____ Sealing Lid?	☐	☐	☒
	Were signature and date included?	☐	☐	☒
	Were seals intact?	☐	☐	☒
11	Do containers have appropriate **preservation**, according to method/SOP or Client specified information?	☐	☐	☒
	Is there a client indication that the submitted samples are **pH** preserved?	☐	☐	☒
	Were **VOA vials** checked for presence/absence of air bubbles?	☐	☐	☒
	Does the client/method/SOP require that the analyst check the sample pH and if necessary alter it?	☐	☐	☒
12	**Tubes:** Are the tubes capped and intact?	☒	☐	☐
	Do they contain moisture?	☐	☒	☐
13	**Badges:** Are the badges properly capped and intact?	☐	☐	☒
	Are dual bed badges separated and individually capped and intact?	☐	☐	☒

Lab Sample ID	Container Description	Required pH *	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
P1301985-001.01	Silica Gel (C. Acids)					
P1301985-002.01	Silica Gel (C. Acids)					
P1301985-003.01	Silica Gel (C. Acids)					
P1301985-004.01	Silica Gel (C. Acids)					
P1301985-005.01	Silica Gel (C. Acids)					
P1301985-006.01	Silica Gel (C. Acids)					
P1301985-007.01	Silica Gel (C. Acids)					
P1301985-008.01	Silica Gel (C. Acids)					

Explain any discrepancies: (include lab sample ID numbers):
Chain of Custody is missing sampler's signature
Chain of Custody is missing time collected Times collected were taken from the container labels.
Chain of Custody is missing sample volume(s)

RSK - MEEPP, HCL (pH<2); RSK - CO2, (pH 5-8); Sulfur (pH>4)

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RESULTS OF ANALYSIS

Client: **Atmospheric Analysis & Consulting, Inc.**
Client Sample ID: **130559-62844 Trip Blank**
Client Project ID: **Landfill / 130559**

CAS Project ID: P1301985
CAS Sample ID: P1301985-001

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: 5/8/13
Date Received: 5/10/13
Date Analyzed: 5/17/13
Desorption Volume: 1.0 ml
Volume Sampled: NA Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	NA	NA	NA	NA	
79-09-4	Propionic Acid (Propanoic)	< 0.24	NA	NA	NA	NA	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	NA	NA	NA	NA	
107-92-6	Butanoic Acid (Butyric)	< 0.24	NA	NA	NA	NA	
116-53-0	2-Methylbutanoic Acid	< 0.24	NA	NA	NA	NA	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	NA	NA	NA	NA	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	NA	NA	NA	NA	
97-61-0	2-Methylpentanoic Acid	< 0.24	NA	NA	NA	NA	
105-43-1	3-Methylpentanoic Acid	< 0.25	NA	NA	NA	NA	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	NA	NA	NA	NA	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	NA	NA	NA	NA	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	NA	NA	NA	NA	
149-57-5	2-Ethylhexanoic Acid	< 0.25	NA	NA	NA	NA	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	NA	NA	NA	NA	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	NA	NA	NA	NA	
65-85-0	Benzoic Acid	< 0.26	NA	NA	NA	NA	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	NA	NA	NA	NA	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
BC = Results reported are not blank corrected.
DE = Results reported are corrected for desorption efficiency.
NA = Not applicable.

RESULTS OF ANALYSIS

Client: **Atmospheric Analysis & Consulting, Inc.**
Client Sample ID: **130559-62854-BZ-2**
Client Project ID: **Landfill / 130559**

CAS Project ID: P1301985
CAS Sample ID: P1301985-002

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: 5/8/13
Date Received: 5/10/13
Date Analyzed: 5/17/13
Desorption Volume: 1.0 ml
Volume Sampled: 99.8 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	20	ND	8.1	
79-09-4	Propionic Acid (Propanoic)	0.36	**3.6**	2.4	**1.2**	0.80	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.5	ND	0.68	
107-92-6	Butanoic Acid (Butyric)	0.75	**7.5**	2.4	**2.1**	0.68	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.4	ND	0.58	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.5	ND	0.59	
109-52-4	Pentanoic Acid (Valeric)	0.26	**2.6**	2.5	**0.62**	0.59	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.4	ND	0.51	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.5	ND	0.52	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.4	ND	0.51	
142-62-1	Hexanoic Acid (Caproic)	0.77	**7.7**	2.5	**1.6**	0.52	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.4	ND	0.46	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.5	ND	0.42	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.4	ND	0.46	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.4	ND	0.41	
65-85-0	Benzoic Acid	< 0.26	ND	2.6	ND	0.51	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.5	ND	0.38	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
BC = Results reported are not blank corrected.
DE = Results reported are corrected for desorption efficiency.

RESULTS OF ANALYSIS

Client: **Atmospheric Analysis & Consulting, Inc.**
Client Sample ID: **130559-62863 U-1**
Client Project ID: **Landfill / 130559**

CAS Project ID: P1301985
CAS Sample ID: P1301985-003

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: 5/7/13
Date Received: 5/10/13
Date Analyzed: 5/17/13
Desorption Volume: 1.0 ml
Volume Sampled: 104 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	19	ND	7.8	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.3	ND	0.77	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.4	ND	0.65	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.3	ND	0.65	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.3	ND	0.56	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.4	ND	0.56	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.4	ND	0.57	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.3	ND	0.49	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.4	ND	0.50	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.3	ND	0.49	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.4	ND	0.50	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.3	ND	0.44	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.4	ND	0.40	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.3	ND	0.45	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.3	ND	0.39	
65-85-0	Benzoic Acid	< 0.26	ND	2.5	ND	0.49	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.4	ND	0.37	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
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RESULTS OF ANALYSIS

Client: **Atmospheric Analysis & Consulting, Inc.**
Client Sample ID: **130559-62872 U-2**
Client Project ID: **Landfill / 130559**

CAS Project ID: P1301985
CAS Sample ID: P1301985-004

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: 5/7/13
Date Received: 5/10/13
Date Analyzed: 5/17/13
Desorption Volume: 1.0 ml
Volume Sampled: 99.4 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	20	ND	8.1	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.4	ND	0.81	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.5	ND	0.68	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.4	ND	0.68	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.4	ND	0.58	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.5	ND	0.59	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.5	ND	0.60	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.4	ND	0.51	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.5	ND	0.52	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.4	ND	0.51	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.5	ND	0.52	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.4	ND	0.46	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.5	ND	0.42	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.4	ND	0.47	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.4	ND	0.41	
65-85-0	Benzoic Acid	< 0.26	ND	2.6	ND	0.51	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.5	ND	0.38	

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RESULTS OF ANALYSIS

Client: **Atmospheric Analysis & Consulting, Inc.**
Client Sample ID: **130559-62881 U-3**
Client Project ID: **Landfill / 130559**

CAS Project ID: P1301985
CAS Sample ID: P1301985-005

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: 5/8/13
Date Received: 5/10/13
Date Analyzed: 5/17/13
Desorption Volume: 1.0 ml
Volume Sampled: 101 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	20	ND	8.0	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.4	ND	0.79	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.4	ND	0.67	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.4	ND	0.67	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.4	ND	0.58	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.4	ND	0.58	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.5	ND	0.59	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.4	ND	0.50	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.5	ND	0.52	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.4	ND	0.51	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.5	ND	0.52	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.4	ND	0.45	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.4	ND	0.41	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.4	ND	0.46	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.4	ND	0.40	
65-85-0	Benzoic Acid	< 0.26	ND	2.5	ND	0.51	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.5	ND	0.38	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
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DE = Results reported are corrected for desorption efficiency.

RESULTS OF ANALYSIS

Client: **Atmospheric Analysis & Consulting, Inc.**
Client Sample ID: **130559-62890 D-1**
Client Project ID: **Landfill / 130559**

CAS Project ID: P1301985
CAS Sample ID: P1301985-006

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: 5/7/13
Date Received: 5/10/13
Date Analyzed: 5/17/13
Desorption Volume: 1.0 ml
Volume Sampled: 102 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	19	ND	7.9	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.4	ND	0.79	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.4	ND	0.67	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.4	ND	0.66	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.4	ND	0.57	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.4	ND	0.58	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.4	ND	0.58	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.4	ND	0.50	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.4	ND	0.51	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.4	ND	0.50	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.4	ND	0.51	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.4	ND	0.45	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.4	ND	0.41	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.4	ND	0.45	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.4	ND	0.40	
65-85-0	Benzoic Acid	< 0.26	ND	2.5	ND	0.50	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.4	ND	0.38	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
BC = Results reported are not blank corrected.
DE = Results reported are corrected for desorption efficiency.

RESULTS OF ANALYSIS

Client: **Atmospheric Analysis & Consulting, Inc.**
Client Sample ID: **130559-62899 D-2**
Client Project ID: **Landfill / 130559**

CAS Project ID: P1301985
CAS Sample ID: P1301985-007

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: 5/7/13
Date Received: 5/10/13
Date Analyzed: 5/17/13
Desorption Volume: 1.0 ml
Volume Sampled: 99.6 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	20	ND	8.1	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.4	ND	0.80	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.5	ND	0.68	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.4	ND	0.68	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.4	ND	0.58	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.5	ND	0.59	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.5	ND	0.60	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.4	ND	0.51	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.5	ND	0.52	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.4	ND	0.51	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.5	ND	0.52	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.4	ND	0.46	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.5	ND	0.42	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.4	ND	0.47	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.4	ND	0.41	
65-85-0	Benzoic Acid	< 0.26	ND	2.6	ND	0.51	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.5	ND	0.38	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
BC = Results reported are not blank corrected.
DE = Results reported are corrected for desorption efficiency.

RESULTS OF ANALYSIS

Client: **Atmospheric Analysis & Consulting, Inc.**
Client Sample ID: **130559-62908 D-3**
Client Project ID: **Landfill / 130559**

CAS Project ID: P1301985
CAS Sample ID: P1301985-008

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: 5/8/13
Date Received: 5/10/13
Date Analyzed: 5/17 - 5/20/13
Desorption Volume: 1.0 ml
Volume Sampled: 99.3 Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	ND	20	ND	8.1	
79-09-4	Propionic Acid (Propanoic)	< 0.24	ND	2.4	ND	0.81	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	ND	2.5	ND	0.69	
107-92-6	Butanoic Acid (Butyric)	< 0.24	ND	2.4	ND	0.68	
116-53-0	2-Methylbutanoic Acid	< 0.24	ND	2.4	ND	0.59	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	ND	2.5	ND	0.59	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	ND	2.5	ND	0.60	
97-61-0	2-Methylpentanoic Acid	< 0.24	ND	2.4	ND	0.51	
105-43-1	3-Methylpentanoic Acid	< 0.25	ND	2.5	ND	0.52	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	ND	2.4	ND	0.51	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	ND	2.5	ND	0.52	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	ND	2.4	ND	0.46	
149-57-5	2-Ethylhexanoic Acid	< 0.25	ND	2.5	ND	0.42	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	ND	2.4	ND	0.47	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	ND	2.4	ND	0.41	
65-85-0	Benzoic Acid	< 0.26	ND	2.6	ND	0.52	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	ND	2.5	ND	0.39	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
BC = Results reported are not blank corrected.
DE = Results reported are corrected for desorption efficiency.

RESULTS OF ANALYSIS

Client: **Atmospheric Analysis & Consulting, Inc.**
Client Sample ID: **Method Blank**
Client Project ID: **Landfill / 130559**

CAS Project ID: P1301985
CAS Sample ID: P130517-MB

Test Code: GC/MS
Instrument ID: Agilent 5973/Agilent 6890/MS14
Analyst: Evelyn Ibarra
Sampling Media: Silica Gel Tube
Test Notes: **BC, DE**

Date Collected: NA
Date Received: NA
Date Analyzed: 5/17/13
Desorption Volume: 1.0 ml
Volume Sampled: NA Liter(s)

CAS #	Compound	Result µg/Tube	Result µg/m³	MRL µg/m³	Result ppbV	MRL ppbV	Data Qualifier
64-19-7	Acetic Acid	< 2.0	NA	NA	NA	NA	
79-09-4	Propionic Acid (Propanoic)	< 0.24	NA	NA	NA	NA	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	< 0.25	NA	NA	NA	NA	
107-92-6	Butanoic Acid (Butyric)	< 0.24	NA	NA	NA	NA	
116-53-0	2-Methylbutanoic Acid	< 0.24	NA	NA	NA	NA	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	< 0.25	NA	NA	NA	NA	
109-52-4	Pentanoic Acid (Valeric)	< 0.25	NA	NA	NA	NA	
97-61-0	2-Methylpentanoic Acid	< 0.24	NA	NA	NA	NA	
105-43-1	3-Methylpentanoic Acid	< 0.25	NA	NA	NA	NA	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	< 0.24	NA	NA	NA	NA	
142-62-1	Hexanoic Acid (Caproic)	< 0.25	NA	NA	NA	NA	
111-14-8	Heptanoic Acid (Enanthoic)	< 0.24	NA	NA	NA	NA	
149-57-5	2-Ethylhexanoic Acid	< 0.25	NA	NA	NA	NA	
98-89-5	Cyclohexanecarboxylic Acid	< 0.24	NA	NA	NA	NA	
124-07-2	Octanoic Acid (Caprylic)	< 0.24	NA	NA	NA	NA	
65-85-0	Benzoic Acid	< 0.26	NA	NA	NA	NA	
112-05-0	Nonanoic Acid (Pelargonic)	< 0.25	NA	NA	NA	NA	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.
MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.
BC = Results reported are not blank corrected.
DE = Results reported are corrected for desorption efficiency.
NA = Not applicable.

LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

Client: **Atmospheric Analysis & Consulting, Inc.**
Client Sample ID: **Duplicate Lab Control Sample** CAS Project ID: P1301985
Client Project ID: **Landfill / 130559** CAS Sample ID: P130517-DLCS

Test Code: GC/MS Date Collected: NA
Instrument ID: Agilent 5973/Agilent 6890/MS14 Date Received: NA
Analyst: Evelyn Ibarra Date Analyzed: 5/17/13
Sampling Media: Silica Gel Tube Volume(s) Analyzed: NA Liter(s)
Test Notes:

CAS #	Compound	Spike Amount LCS / DLCS µg/ml	Result LCS µg/ml	Result DLCS µg/ml	% Recovery LCS	% Recovery DLCS	CAS Acceptance Limits	RPD	RPD Limit	Data Qualifier
64-19-7	Acetic Acid	22.5	20.5	22.4	**91**	**100**	66-135	9	26	
79-09-4	Propionic Acid (Propanoic)	10.8	10.1	11.0	**94**	**102**	76-126	8	14	
79-31-2	2-Methylpropanoic Acid (Isobutyric)	10.9	10.6	12.0	**97**	**110**	84-118	13	13	
107-92-6	Butanoic Acid (Butyric)	10.3	10.4	10.8	**101**	**105**	85-117	4	11	
116-53-0	2-Methylbutanoic Acid	10.2	10.2	10.9	**100**	**107**	87-116	7	11	
503-74-2	3-Methylbutanoic Acid (Isovaleric)	11.2	10.8	11.0	**96**	**98**	88-114	2	10	
109-52-4	Pentanoic Acid (Valeric)	10.3	10.2	10.2	**99**	**99**	89-113	0	11	
97-61-0	2-Methylpentanoic Acid	10.6	10.6	10.9	**100**	**103**	88-113	3	10	
105-43-1	3-Methylpentanoic Acid	10.9	10.7	11.2	**98**	**103**	88-113	5	10	
646-07-1	4-Methylpentanoic Acid (Isocaproic)	10.8	10.5	10.9	**97**	**101**	89-113	4	11	
142-62-1	Hexanoic Acid (Caproic)	10.5	10.2	10.6	**97**	**101**	87-114	4	11	
111-14-8	Heptanoic Acid (Enanthoic)	9.91	9.88	9.96	**100**	**101**	84-116	1	10	
149-57-5	2-Ethylhexanoic Acid	8.69	7.80	7.88	**90**	**91**	82-111	1	12	
98-89-5	Cyclohexanecarboxylic Acid	7.46	7.46	7.53	**100**	**101**	85-115	1	10	
124-07-2	Octanoic Acid (Caprylic)	9.33	9.28	9.48	**99**	**102**	84-116	3	11	
65-85-0	Benzoic Acid	8.40	6.96	7.13	**83**	**85**	72-109	2	13	
112-05-0	Nonanoic Acid (Pelargonic)	9.21	9.10	8.83	**99**	**96**	84-116	3	10	

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171315.D
Acq On : 17 May 2013 2:37 pm
Operator : EI
Sample : P1301985-001 Front 1.0ml
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 20 15:34:21 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171315.D
Acq On : 17 May 2013 2:37 pm
Operator : EI
Sample : P1301985-001 Front 1.0ml
Misc :
ALS Vial : 12 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:34:21 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	851946	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	563032	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2514152	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171315.D
Acq On : 17 May 2013 2:37 pm
Operator : EI
Sample : P1301985-001 Front 1.0ml
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 17 14:53:49 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171315.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.013min (+0.233) 0.54ug/ml

response 116832

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171315.D
Acq On : 17 May 2013 2:37 pm
Operator : EI
Sample : P1301985-001 Front 1.0ml
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 17 14:53:49 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171315.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13
ET

M 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171315.D
Acq On : 17 May 2013 2:37 pm
Operator : EI
Sample : P1301985-001 Front 1.0ml
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 17 14:53:49 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171315.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.013min (+0.119) 1.06ug/ml

response 116827

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	37.53
57.00	47.30	18.64#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171315.D
Acq On : 17 May 2013 2:37 pm
Operator : EI
Sample : P1301985-001 Front 1.0ml
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 17 14:53:49 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171315.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13

ET

ul 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171315.D
Acq On : 17 May 2013 2:37 pm
Operator : EI
Sample : P1301985-001 Front 1.0ml
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 17 14:53:49 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171315.D\data.ms

(12) Hexanoic acid (T)

8.013min (-0.164) 0.62ug/ml

response 116831

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	37.52
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171315.D
Acq On : 17 May 2013 2:37 pm
Operator : EI
Sample : P1301985-001 Front 1.0ml
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 17 14:53:49 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171315.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13

ET

UH 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171312.D
Acq On : 17 May 2013 1:35 pm
Operator : EI
Sample : P1301985-001 Back 1.0ml
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 20 15:01:53 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171312.D
Acq On : 17 May 2013 1:35 pm
Operator : EI
Sample : P1301985-001 Back 1.0ml
Misc :
ALS Vial : 10 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:01:53 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	732472	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	468168	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2031598	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171312.D
Acq On : 17 May 2013 1:35 pm
Operator : EI
Sample : P1301985-001 Back 1.0ml
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 17 13:56:22 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171312.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.014min (+0.234) 0.53ug/ml

response 97983

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171312.D
Acq On : 17 May 2013 1:35 pm
Operator : EI
Sample : P1301985-001 Back 1.0ml
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 17 13:56:22 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171312.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13
23

LM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171312.D
Acq On : 17 May 2013 1:35 pm
Operator : EI
Sample : P1301985-001 Back 1.0ml
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 17 13:56:22 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171312.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.014min (+0.119) 1.03ug/ml

response 97984

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	37.53
57.00	47.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171312.D
Acq On : 17 May 2013 1:35 pm
Operator : EI
Sample : P1301985-001 Back 1.0ml
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 17 13:56:22 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171312.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/10/13
ET

UM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171312.D
Acq On : 17 May 2013 1:35 pm
Operator : EI
Sample : P1301985-001 Back 1.0ml
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 17 13:56:22 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171312.D\data.ms

(12) Hexanoic acid (T)

8.014min (-0.163) 0.60ug/ml

response 97986

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	36.77
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171312.D
Acq On : 17 May 2013 1:35 pm
Operator : EI
Sample : P1301985-001 Back 1.0ml
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 17 13:56:22 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171312.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13
ET

UK 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 20 15:37:26 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:37:26 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	638590	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	436872	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1959061	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	5.24	57	15250m	0.37 ug/ml	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	6.10	74	42452	0.77 ug/ml#	85
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	7.16	74	27117m	0.26 ug/ml	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	8.19	74	110671	0.78 ug/ml#	83
14) Heptanoic acid	9.16	74	15097	0.09 ug/ml#	40
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 17 15:37:47 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171316.D\data.ms

(3) Propanoic acid (T)

5.227min (-5.227) 0.00ug/ml

response 0

Ion	Exp%	Act%
57.00	100	0.00
59.00	30.60	0.00#
88.00	31.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 17 15:37:47 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171316.D\data.ms

(3) Propanoic acid (T)

5.239min (+0.012) 0.37ug/ml m

response 15250

Ion	Exp%	Act%
57.00	100	100
59.00	30.60	0.00#
88.00	31.60	0.00#
0.00	0.00	0.00

MP 5/20/13

Et

UM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 20 15:35:17 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171316.D\data.ms

(5) Butanoic acid (T)

6.104min (+0.015) 0.77ug/ml

response 42452

Ion	Exp%	Act%
74.15	100	100
71.15	73.60	77.36
87.10	24.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 20 15:35:17 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171316.D\data.ms

(8) Pentanoic acid (T)

7.146min (-7.146) 0.00ug/ml

response 0

Ion	Exp%	Act%
74.15	100	0.00
57.15	32.30	0.00#
85.10	33.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 20 15:35:17 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171316.D\data.ms

(8) Pentanoic acid (T)

7.161min (+0.014) 0.26ug/ml m

response 27117

Ion	Exp%	Act%
74.15	100	100
57.15	32.30	0.00#
85.10	33.80	0.00#
0.00	0.00	0.00

MP 5/20/13
ET

CH 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 20 15:35:17 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171316.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.013min (+0.233) 0.53ug/ml

response 86663

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 20 15:35:17 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171316.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13

EC

MM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 20 15:35:17 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171316.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.013min (+0.119) 1.09ug/ml

response 90232

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	35.25#
57.00	47.30	26.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 20 15:35:17 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171316.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13
ET

LM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171316.D
Acq On : 17 May 2013 2:57 pm
Operator : EI
Sample : P1301985-002 Front 1.0ml
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 20 15:35:17 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171316.D\data.ms

(12) Hexanoic acid (T)

8.187min (+0.010) 0.78ug/ml

response 110671

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	29.18
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171313.D
Acq On : 17 May 2013 1:55 pm
Operator : EI
Sample : P1301985-002 Back 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 20 15:03:41 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171313.D
Acq On : 17 May 2013 1:55 pm
Operator : EI
Sample : P1301985-002 Back 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:03:41 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	592406	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	426371	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1859677	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171313.D
Acq On : 17 May 2013 1:55 pm
Operator : EI
Sample : P1301985-002 Back 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 14:14:00 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171313.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.013min (+0.233) 0.53ug/ml

response 79490

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171313.D
Acq On : 17 May 2013 1:55 pm
Operator : EI
Sample : P1301985-002 Back 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 14:14:00 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171313.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13

EI

UK 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171313.D
Acq On : 17 May 2013 1:55 pm
Operator : EI
Sample : P1301985-002 Back 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 14:14:00 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171313.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.013min (+0.118) 1.06ug/ml

response 81303

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	43.04
57.00	47.30	23.21#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171313.D
Acq On : 17 May 2013 1:55 pm
Operator : EI
Sample : P1301985-002 Back 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 14:14:00 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171313.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13
EI

VM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171313.D
Acq On : 17 May 2013 1:55 pm
Operator : EI
Sample : P1301985-002 Back 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 14:14:00 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171313.D\data.ms

(12) Hexanoic acid (T)

8.013min (-0.164) 0.62ug/ml

response 81305

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	43.03
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171313.D
Acq On : 17 May 2013 1:55 pm
Operator : EI
Sample : P1301985-002 Back 1.0ml
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 17 14:14:00 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171313.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13

ET

LM 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171319.D
Acq On : 17 May 2013 3:59 pm
Operator : EI
Sample : P1301985-003 Front 1.0ml
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 20 15:49:22 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171319.D
Acq On : 17 May 2013 3:59 pm
Operator : EI
Sample : P1301985-003 Front 1.0ml
Misc :
ALS Vial : 15 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:49:22 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	727601	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	473218	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2096886	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171319.D
Acq On : 17 May 2013 3:59 pm
Operator : EI
Sample : P1301985-003 Front 1.0ml
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 16:16:23 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171319.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.012min (+0.232) 0.51ug/ml

response 94949

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171319.D
Acq On : 17 May 2013 3:59 pm
Operator : EI
Sample : P1301985-003 Front 1.0ml
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 16:16:23 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171319.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13

EI

LH 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171319.D
Acq On : 17 May 2013 3:59 pm
Operator : EI
Sample : P1301985-003 Front 1.0ml
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 16:16:23 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171319.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.012min (+0.118) 1.01ug/ml

response 94944

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	38.41
57.00	47.30	23.77#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171319.D
Acq On : 17 May 2013 3:59 pm
Operator : EI
Sample : P1301985-003 Front 1.0ml
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 16:16:23 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171319.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13
EC

LH 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171319.D
Acq On : 17 May 2013 3:59 pm
Operator : EI
Sample : P1301985-003 Front 1.0ml
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 16:16:23 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171319.D\data.ms

(12) Hexanoic acid (T)

8.012min (-0.165) 0.59ug/ml

response 94947

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	37.68
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171319.D
Acq On : 17 May 2013 3:59 pm
Operator : EI
Sample : P1301985-003 Front 1.0ml
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 17 16:16:23 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171319.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13
ET

LH 5/20/3

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171318.D
Acq On : 17 May 2013 3:39 pm
Operator : EI
Sample : P1301985-003 Back 1.0ml
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 20 15:39:02 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171318.D
Acq On : 17 May 2013 3:39 pm
Operator : EI
Sample : P1301985-003 Back 1.0ml
Misc :
ALS Vial : 14 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:39:02 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	909478	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	589803	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2647269	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171318.D
Acq On : 17 May 2013 3:39 pm
Operator : EI
Sample : P1301985-003 Back 1.0ml
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 17 15:56:37 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171318.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.012min (+0.233) 0.51ug/ml

response 118908

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171318.D
Acq On : 17 May 2013 3:39 pm
Operator : EI
Sample : P1301985-003 Back 1.0ml
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 17 15:56:37 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171318.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

5/20/13
ET

LM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171318.D
Acq On : 17 May 2013 3:39 pm
Operator : EI
Sample : P1301985-003 Back 1.0ml
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 17 15:56:37 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171318.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.012min (+0.118) 1.01ug/ml

response 118911

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	45.67
57.00	47.30	20.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171318.D
Acq On : 17 May 2013 3:39 pm
Operator : EI
Sample : P1301985-003 Back 1.0ml
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 17 15:56:37 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171318.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13

ET

UM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171318.D
Acq On : 17 May 2013 3:39 pm
Operator : EI
Sample : P1301985-003 Back 1.0ml
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 17 15:56:37 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171318.D\data.ms

(12) Hexanoic acid (T)

8.012min (-0.165) 0.59ug/ml

response 118910

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	46.12
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171318.D
Acq On : 17 May 2013 3:39 pm
Operator : EI
Sample : P1301985-003 Back 1.0ml
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 17 15:56:37 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171318.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13

ET

ul 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171322.D
Acq On : 17 May 2013 5:01 pm
Operator : EI
Sample : P1301985-004 Front 1.0ml
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 20 15:43:03 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171322.D
Acq On : 17 May 2013 5:01 pm
Operator : EI
Sample : P1301985-004 Front 1.0ml
Misc :
ALS Vial : 17 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:43:03 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	788092	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	494722	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.39	154	2186899	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171322.D
Acq On : 17 May 2013 5:01 pm
Operator : EI
Sample : P1301985-004 Front 1.0ml
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 17 17:18:42 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171322.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.013min (+0.233) 0.53ug/ml

response 106725

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171322.D
Acq On : 17 May 2013 5:01 pm
Operator : EI
Sample : P1301985-004 Front 1.0ml
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 17 17:18:42 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171322.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13

ET

MM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171322.D
Acq On : 17 May 2013 5:01 pm
Operator : EI
Sample : P1301985-004 Front 1.0ml
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 17 17:18:42 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171322.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.013min (+0.118) 1.05ug/ml

response 106728

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	39.41
57.00	47.30	27.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171322.D
Acq On : 17 May 2013 5:01 pm
Operator : EI
Sample : P1301985-004 Front 1.0ml
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 17 17:18:42 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171322.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13
EI

MK 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171322.D
Acq On : 17 May 2013 5:01 pm
Operator : EI
Sample : P1301985-004 Front 1.0ml
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 17 17:18:42 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171322.D\data.ms

(12) Hexanoic acid (T)

8.013min (-0.164) 0.61ug/ml

response 106727

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	39.40
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171322.D
Acq On : 17 May 2013 5:01 pm
Operator : EI
Sample : P1301985-004 Front 1.0ml
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 17 17:18:42 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171322.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13
ET

LM 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171320.D
Acq On : 17 May 2013 4:20 pm
Operator : EI
Sample : P1301985-004 Back 1.0ml
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 20 15:41:53 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171320.D
Acq On : 17 May 2013 4:20 pm
Operator : EI
Sample : P1301985-004 Back 1.0ml
Misc :
ALS Vial : 16 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:41:53 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	596596	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	408326	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1882437	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171320.D
Acq On : 17 May 2013 4:20 pm
Operator : EI
Sample : P1301985-004 Back 1.0ml
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 16:49:38 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171320.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.012min (+0.232) 0.57ug/ml

response 86730

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171320.D
Acq On : 17 May 2013 4:20 pm
Operator : EI
Sample : P1301985-004 Back 1.0ml
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 16:49:38 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171320.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13

ET

LH 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171320.D
Acq On : 17 May 2013 4:20 pm
Operator : EI
Sample : P1301985-004 Back 1.0ml
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 16:49:38 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171320.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.012min (+0.118) 1.12ug/ml

response 86734

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	38.15
57.00	47.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171320.D
Acq On : 17 May 2013 4:20 pm
Operator : EI
Sample : P1301985-004 Back 1.0ml
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 16:49:38 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171320.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13
ET

GM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171320.D
Acq On : 17 May 2013 4:20 pm
Operator : EI
Sample : P1301985-004 Back 1.0ml
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 16:49:38 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171320.D\data.ms

(12) Hexanoic acid (T)

8.012min (-0.165) 0.66ug/ml

response 86731

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	36.65
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171320.D
Acq On : 17 May 2013 4:20 pm
Operator : EI
Sample : P1301985-004 Back 1.0ml
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 17 16:49:38 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171320.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13
EE

MM 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171325.D
Acq On : 17 May 2013 6:03 pm
Operator : EI
Sample : P1301985-005 Front 1.0ml
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 20 15:53:24 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171325.D
Acq On : 17 May 2013 6:03 pm
Operator : EI
Sample : P1301985-005 Front 1.0ml
Misc :
ALS Vial : 19 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:53:24 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	908794	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	569801	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.39	154	2525150	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171325.D
Acq On : 17 May 2013 6:03 pm
Operator : EI
Sample : P1301985-005 Front 1.0ml
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 18 07:40:48 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171325.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.012min (+0.233) 0.53ug/ml

response 123142

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171325.D
Acq On : 17 May 2013 6:03 pm
Operator : EI
Sample : P1301985-005 Front 1.0ml
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 18 07:40:48 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171325.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13
ET

UH 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171325.D
Acq On : 17 May 2013 6:03 pm
Operator : EI
Sample : P1301985-005 Front 1.0ml
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 18 07:40:48 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171325.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.012min (+0.118) 1.05ug/ml

response 123486

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	33.87#
57.00	47.30	19.49#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171325.D
Acq On : 17 May 2013 6:03 pm
Operator : EI
Sample : P1301985-005 Front 1.0ml
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 18 07:40:48 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171325.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13

ET

M 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171325.D
Acq On : 17 May 2013 6:03 pm
Operator : EI
Sample : P1301985-005 Front 1.0ml
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 18 07:40:48 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171325.D\data.ms

(12) Hexanoic acid (T)

8.012min (-0.165) 0.61ug/ml

response 123482

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	33.87
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171325.D
Acq On : 17 May 2013 6:03 pm
Operator : EI
Sample : P1301985-005 Front 1.0ml
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 18 07:40:48 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171325.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13
ET

LH 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171323.D
Acq On : 17 May 2013 5:22 pm
Operator : EI
Sample : P1301985-005 Back 1.0ml
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 20 15:44:36 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171323.D
Acq On : 17 May 2013 5:22 pm
Operator : EI
Sample : P1301985-005 Back 1.0ml
Misc :
ALS Vial : 18 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:44:36 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	660103	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	434102	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.39	154	1979791	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171323.D
Acq On : 17 May 2013 5:22 pm
Operator : EI
Sample : P1301985-005 Back 1.0ml
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 17 17:41:05 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171323.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.012min (+0.232) 0.54ug/ml

response 90347

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171323.D
Acq On : 17 May 2013 5:22 pm
Operator : EI
Sample : P1301985-005 Back 1.0ml
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 17 17:41:05 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171323.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13

EI

MI 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171323.D
Acq On : 17 May 2013 5:22 pm
Operator : EI
Sample : P1301985-005 Back 1.0ml
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 17 17:41:05 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171323.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.012min (+0.117) 1.06ug/ml

response 90349

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	39.38
57.00	47.30	25.67#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171323.D
Acq On : 17 May 2013 5:22 pm
Operator : EI
Sample : P1301985-005 Back 1.0ml
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 17 17:41:05 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171323.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13

ET

LM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171323.D
Acq On : 17 May 2013 5:22 pm
Operator : EI
Sample : P1301985-005 Back 1.0ml
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 17 17:41:05 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171323.D\data.ms

(12) Hexanoic acid (T)

8.012min (-0.165) 0.62ug/ml

response 90346

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	39.38
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171323.D
Acq On : 17 May 2013 5:22 pm
Operator : EI
Sample : P1301985-005 Back 1.0ml
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 17 17:41:05 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171323.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13

ET

LM 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171328.D
Acq On : 17 May 2013 7:06 pm
Operator : EI
Sample : P1301985-006 Front 1.0ml
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 20 15:55:27 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171328.D
Acq On : 17 May 2013 7:06 pm
Operator : EI
Sample : P1301985-006 Front 1.0ml
Misc :
ALS Vial : 21 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:55:27 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	821142	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	521889	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2304675	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	8.19	74	11572m	0.06 ug/ml	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171328.D
Acq On : 17 May 2013 7:06 pm
Operator : EI
Sample : P1301985-006 Front 1.0ml
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 18 07:41:36 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171328.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.014min (+0.235) 0.53ug/ml

response 110287

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171328.D
Acq On : 17 May 2013 7:06 pm
Operator : EI
Sample : P1301985-006 Front 1.0ml
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 18 07:41:36 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171328.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13

ET

UM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171328.D
Acq On : 17 May 2013 7:06 pm
Operator : EI
Sample : P1301985-006 Front 1.0ml
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 18 07:41:36 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171328.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.014min (+0.120) 1.04ug/ml

response 110703

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	35.72#
57.00	47.30	25.89#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171328.D
Acq On : 17 May 2013 7:06 pm
Operator : EI
Sample : P1301985-006 Front 1.0ml
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 18 07:41:36 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171328.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13
ET

LM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171328.D
Acq On : 17 May 2013 7:06 pm
Operator : EI
Sample : P1301985-006 Front 1.0ml
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 18 07:41:36 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171328.D\data.ms

(12) Hexanoic acid (T)

8.014min (-0.163) 0.61ug/ml

response 110703

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	35.72
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171328.D
Acq On : 17 May 2013 7:06 pm
Operator : EI
Sample : P1301985-006 Front 1.0ml
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 18 07:41:36 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171328.D\data.ms

(12) Hexanoic acid (T)

8.191min (+0.014) 0.06ug/ml m

response 11572

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	341.70#
99.10	17.80	0.00
0.00	0.00	0.00

WP 5/20/13

ET

MM 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171326.D
Acq On : 17 May 2013 6:24 pm
Operator : EI
Sample : P1301985-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 20 15:54:22 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171326.D
Acq On : 17 May 2013 6:24 pm
Operator : EI
Sample : P1301985-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

5/20/13
EI

Quant Time: May 20 15:54:22 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	697341	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	449271	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.39	154	1914244	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171326.D
Acq On : 17 May 2013 6:24 pm
Operator : EI
Sample : P1301985-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 18 07:41:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171326.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.012min (+0.232) 0.51ug/ml

response 90361

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171326.D
Acq On : 17 May 2013 6:24 pm
Operator : EI
Sample : P1301985-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 18 07:41:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171326.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13
ET

UK 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171326.D
Acq On : 17 May 2013 6:24 pm
Operator : EI
Sample : P1301985-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 18 07:41:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171326.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.012min (+0.117) 1.00ug/ml

response 90361

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	37.70
57.00	47.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171326.D
Acq On : 17 May 2013 6:24 pm
Operator : EI
Sample : P1301985-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 18 07:41:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171326.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13

EI

CH 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171326.D
Acq On : 17 May 2013 6:24 pm
Operator : EI
Sample : P1301985-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 18 07:41:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171326.D\data.ms

(12) Hexanoic acid (T)

8.012min (-0.165) 0.58ug/ml

response 90361

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	37.70
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171326.D
Acq On : 17 May 2013 6:24 pm
Operator : EI
Sample : P1301985-006 Back 1.0ml
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 18 07:41:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171326.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13

ET

CH 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171332.D
Acq On : 17 May 2013 8:30 pm
Operator : EI
Sample : P1301985-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 20 16:01:45 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171332.D
Acq On : 17 May 2013 8:30 pm
Operator : EI
Sample : P1301985-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 16:01:45 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.02	95	778088	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	458913	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1939586	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	8.19	74	9982m	0.06 ug/ml	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171332.D
Acq On : 17 May 2013 8:30 pm
Operator : EI
Sample : P1301985-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 18 07:43:15 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171332.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.019min (+0.240) 0.50ug/ml

response 99812

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171332.D
Acq On : 17 May 2013 8:30 pm
Operator : EI
Sample : P1301985-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 18 07:43:15 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171332.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13
ET

MM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171332.D
Acq On : 17 May 2013 8:30 pm
Operator : EI
Sample : P1301985-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 18 07:43:15 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171332.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.019min (+0.125) 1.02ug/ml

response 102572

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	41.32
57.00	47.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171332.D
Acq On : 17 May 2013 8:30 pm
Operator : EI
Sample : P1301985-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 18 07:43:15 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171332.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13

ET

ee 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171332.D
Acq On : 17 May 2013 8:30 pm
Operator : EI
Sample : P1301985-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 18 07:43:15 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171332.D\data.ms

(12) Hexanoic acid (T)

8.019min (-0.157) 0.59ug/ml

response 102570

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	41.32
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171332.D
Acq On : 17 May 2013 8:30 pm
Operator : EI
Sample : P1301985-007 Front 1.0ml
Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 18 07:43:15 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171332.D\data.ms

(12) Hexanoic acid (T)

8.194min (+0.017) 0.06ug/ml m

response 9982

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	424.61#
99.10	17.80	0.00
0.00	0.00	0.00

WP 5/20/13
ET

LM 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171337.D
Acq On : 18 May 2013 8:27 am
Operator : EI
Sample : P1301985-007 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 16:03:33 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171337.D
Acq On : 18 May 2013 8:27 am
Operator : EI
Sample : P1301985-007 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 16:03:33 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.02	95	720986	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	455671	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1908690	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171337.D
Acq On : 18 May 2013 8:27 am
Operator : EI
Sample : P1301985-007 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 08:54:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171337.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.018min (+0.238) 0.54ug/ml

response 99095

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171337.D
Acq On : 18 May 2013 8:27 am
Operator : EI
Sample : P1301985-007 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 08:54:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171337.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13

ET

MM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171337.D
Acq On : 18 May 2013 8:27 am
Operator : EI
Sample : P1301985-007 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 08:54:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171337.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.018min (+0.123) 1.07ug/ml

response 99330

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	37.37
57.00	47.30	23.40#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171337.D
Acq On : 18 May 2013 8:27 am
Operator : EI
Sample : P1301985-007 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 08:54:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171337.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13

ET

EM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171337.D
Acq On : 18 May 2013 8:27 am
Operator : EI
Sample : P1301985-007 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 08:54:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171337.D\data.ms

(12) Hexanoic acid (T)

8.018min (-0.159) 0.62ug/ml

response 99325

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	37.37
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171337.D
Acq On : 18 May 2013 8:27 am
Operator : EI
Sample : P1301985-007 Back 1.0ml
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 20 08:54:13 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171337.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13

ET

LH 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201305.D
Acq On : 20 May 2013 10:59 am
Operator : EI
Sample : P1301985-008 Front 1.0ml
Misc : rerun
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 20 16:07:48 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201305.D
Acq On : 20 May 2013 10:59 am
Operator : EI
Sample : P1301985-008 Front 1.0ml
Misc : rerun
ALS Vial : 26 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 16:07:48 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	578178	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	438026	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.39	154	1964164	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201305.D
Acq On : 20 May 2013 10:59 am
Operator : EI
Sample : P1301985-008 Front 1.0ml
Misc : rerun
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 20 11:17:56 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05201305.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.011min (+0.232) 0.58ug/ml

response 85764

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201305.D
Acq On : 20 May 2013 10:59 am
Operator : EI
Sample : P1301985-008 Front 1.0ml
Misc : rerun
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 20 11:17:56 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05201305.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13

ET

LH 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201305.D
Acq On : 20 May 2013 10:59 am
Operator : EI
Sample : P1301985-008 Front 1.0ml
Misc : rerun
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 20 11:17:56 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05201305.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.011min (+0.117) 1.15ug/ml

response 85761

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	38.92
57.00	47.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201305.D
Acq On : 20 May 2013 10:59 am
Operator : EI
Sample : P1301985-008 Front 1.0ml
Misc : rerun
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 20 11:17:56 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05201305.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13

ET

LM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201305.D
Acq On : 20 May 2013 10:59 am
Operator : EI
Sample : P1301985-008 Front 1.0ml
Misc : rerun
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 20 11:17:56 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05201305.D\data.ms

(12) Hexanoic acid (T)

8.011min (-0.166) 0.67ug/ml

response 85761

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	38.92
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201305.D
Acq On : 20 May 2013 10:59 am
Operator : EI
Sample : P1301985-008 Front 1.0ml
Misc : rerun
ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 20 11:17:56 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05201305.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13

ET

UU 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171333.D
Acq On : 17 May 2013 8:51 pm
Operator : EI
Sample : P1301985-008 Back 1.0ml
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 20 16:02:39 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171333.D
Acq On : 17 May 2013 8:51 pm
Operator : EI
Sample : P1301985-008 Back 1.0ml
Misc :
ALS Vial : 24 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 16:02:39 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.02	95	641852	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	409422	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	1707194	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171333.D
Acq On : 17 May 2013 8:51 pm
Operator : EI
Sample : P1301985-008 Back 1.0ml
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 18 07:43:28 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171333.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.019min (+0.239) 0.50ug/ml

response 81128

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171333.D
Acq On : 17 May 2013 8:51 pm
Operator : EI
Sample : P1301985-008 Back 1.0ml
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 18 07:43:28 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171333.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13
ET

ME 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171333.D
Acq On : 17 May 2013 8:51 pm
Operator : EI
Sample : P1301985-008 Back 1.0ml
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 18 07:43:28 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171333.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.019min (+0.125) 1.01ug/ml

response 83724

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	0.00#
57.00	47.30	26.51#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171333.D
Acq On : 17 May 2013 8:51 pm
Operator : EI
Sample : P1301985-008 Back 1.0ml
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 18 07:43:28 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171333.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13

UK 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171333.D
Acq On : 17 May 2013 8:51 pm
Operator : EI
Sample : P1301985-008 Back 1.0ml
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 18 07:43:28 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171333.D\data.ms

(12) Hexanoic acid (T)

8.019min (-0.158) 0.59ug/ml

response 83721

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	35.97
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171333.D
Acq On : 17 May 2013 8:51 pm
Operator : EI
Sample : P1301985-008 Back 1.0ml
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 18 07:43:28 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171333.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13
ET

LH 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171310.D
Acq On : 17 May 2013 12:50 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 20 15:00:50 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171310.D
Acq On : 17 May 2013 12:50 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 15:00:50 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	769341	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.63	236	490740	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2096877	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	0.00	74	0	N.D.	
3) Propanoic acid	0.00	57	0	N.D.	
4) 2-Methylpropanoic acid	0.00	71	0	N.D.	
5) Butanoic acid	0.00	74	0	N.D.	
6) 2-Methylbutanoic acid	0.00	88	0	N.D.	
7) 3-Methylbutanoic acid	0.00	74	0	N.D.	
8) Pentanoic acid	0.00	74	0	N.D.	
9) 2-Methylpentanoic acid	0.00	88	0	N.D.	
10) 3-Methylpentanoic acid	0.00	74	0	N.D. d	
11) 4-Methylpentanoic acid	0.00	74	0	N.D. d	
12) Hexanoic acid	0.00	74	0	N.D. d	
14) Heptanoic acid	0.00	74	0	N.D.	
15) 2-Ethylhexanoic acid	0.00	87	0	N.D.	
16) Cyclohexanecarboxylic ...	0.00	55	0	N.D.	
17) Octanoic acid	0.00	74	0	N.D.	
18) Benzoic acid	0.00	105	0	N.D.	
20) Nonanoic acid	0.00	74	0	N.D.	
21) Decanoic Acid	0.00	74	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171310.D
Acq On : 17 May 2013 12:50 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 17 13:12:43 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171310.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.013min (+0.234) 0.51ug/ml

response 99959

Ion	Exp%	Act%
74.00	100	100
59.00	24.00	0.00#
99.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171310.D
Acq On : 17 May 2013 12:50 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 17 13:12:43 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171310.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.780min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
59.00	24.00	0.00
99.00	14.70	0.00
0.00	0.00	0.00

FP 5/20/13
EC

MM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171310.D
Acq On : 17 May 2013 12:50 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 17 13:12:43 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171310.D\data.ms

(11) 4-Methylpentanoic acid (T)

8.014min (+0.119) 1.01ug/ml

response 100597

Ion	Exp%	Act%
74.00	100	100
87.00	57.30	37.91
57.00	47.30	18.92#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171310.D
Acq On : 17 May 2013 12:50 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 17 13:12:43 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171310.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.894min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.00	100	0.00
87.00	57.30	0.00
57.00	47.30	0.00
0.00	0.00	0.00

FP 5/20/13
EI

UM 5/20/13

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171310.D
Acq On : 17 May 2013 12:50 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 17 13:12:43 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171310.D\data.ms

(12) Hexanoic acid (T)

8.014min (-0.163) 0.59ug/ml

response 100932

Ion	Exp%	Act%
74.15	100	100
87.10	31.40	37.79
99.10	17.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171310.D
Acq On : 17 May 2013 12:50 pm
Operator : EI
Sample : MB 1.0ml
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 17 13:12:43 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

TIC: 05171310.D\data.ms

(12) Hexanoic acid (T)

8.177min 0.00ug/ml d

response 0

Ion	Exp%	Act%
74.15	100	0.00
87.10	31.40	0.00
99.10	17.80	0.00
0.00	0.00	0.00

FP 5/20/13
ET

LL 5/20/13

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171306.D
Acq On : 17 May 2013 11:26 am
Operator : EI
Sample : SS 10/20ug/ml
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 17 11:56:28 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171306.D
Acq On : 17 May 2013 11:26 am
Operator : EI
Sample : SS 10/20ug/ml
Misc :
ALS Vial : 6 Sample Multiplier: 1

5/20/13
EI

Quant Time: May 17 11:56:28 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	748698	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	558144	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.39	154	2592281	10.00	ug/ml	0.00

Target Compounds						Qvalue
2) Acetic acid	4.50	74	143583	22.45	ug/ml#	34
3) Propanoic acid	5.24	57	521045	10.84	ug/ml	96
4) 2-Methylpropanoic acid	5.68	71	401553	10.91	ug/ml	98
5) Butanoic acid	6.10	74	666024	10.34	ug/ml	99
6) 2-Methylbutanoic acid	6.59	88	974106	10.23	ug/ml	96
7) 3-Methylbutanoic acid	6.66	74	1378129	11.16	ug/ml	97
8) Pentanoic acid	7.15	74	1259149	10.29	ug/ml	96
9) 2-Methylpentanoic acid	7.53	88	1770708	10.64	ug/ml	97
10) 3-Methylpentanoic acid	7.78	74	2074889	10.88	ug/ml	97
11) 4-Methylpentanoic acid	7.90	74	1046381	10.81	ug/ml	96
12) Hexanoic acid	8.18	74	1749982	10.54	ug/ml	99
14) Heptanoic acid	9.16	74	2054529	9.91	ug/ml	96
15) 2-Ethylhexanoic acid	9.21	87	1382846	8.69	ug/ml	91
16) Cyclohexanecarboxylic ...	9.71	55	679166	7.46	ug/ml	83
17) Octanoic acid	10.07	74	2252562	9.33	ug/ml	99
18) Benzoic acid	10.38	105	1319752	8.40	ug/ml	90
20) Nonanoic acid	10.93	74	2481648	9.20	ug/ml	97
21) Decanoic Acid	11.73	74	1957723	9.32	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171307.D
Acq On : 17 May 2013 11:47 am
Operator : EI
Sample : LCS 10/20ug/ml
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 17 12:06:28 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171307.D
Acq On : 17 May 2013 11:47 am
Operator : EI
Sample : LCS 10/20ug/ml
Misc :
ALS Vial : 7 Sample Multiplier: 1

5/20/13
EC

Quant Time: May 17 12:06:28 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	714596	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	516849	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2407440	10.00	ug/ml	0.00

Target Compounds						Qvalue
2) Acetic acid	4.50	74	125094	20.49	ug/ml#	45
3) Propanoic acid	5.24	57	464125	10.12	ug/ml	95
4) 2-Methylpropanoic acid	5.68	71	371887	10.59	ug/ml	100
5) Butanoic acid	6.10	74	637575	10.37	ug/ml	98
6) 2-Methylbutanoic acid	6.59	88	929345	10.22	ug/ml	95
7) 3-Methylbutanoic acid	6.66	74	1278036	10.85	ug/ml	96
8) Pentanoic acid	7.15	74	1190569	10.20	ug/ml	95
9) 2-Methylpentanoic acid	7.53	88	1688239	10.63	ug/ml	97
10) 3-Methylpentanoic acid	7.78	74	1945987	10.69	ug/ml	96
11) 4-Methylpentanoic acid	7.90	74	966049	10.46	ug/ml	98
12) Hexanoic acid	8.18	74	1618455	10.22	ug/ml	97
14) Heptanoic acid	9.16	74	1895299	9.88	ug/ml	96
15) 2-Ethylhexanoic acid	9.21	87	1149562	7.80	ug/ml	92
16) Cyclohexanecarboxylic ...	9.71	55	628485	7.46	ug/ml	82
17) Octanoic acid	10.08	74	2073963	9.28	ug/ml	99
18) Benzoic acid	10.38	105	1011664	6.95	ug/ml	89
20) Nonanoic acid	10.93	74	2279352	9.10	ug/ml	97
21) Decanoic Acid	11.73	74	1776621	9.11	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171308.D
Acq On : 17 May 2013 12:08 pm
Operator : EI
Sample : LCSD 10/20ug/ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 17 12:28:34 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171308.D
Acq On : 17 May 2013 12:08 pm
Operator : EI
Sample : LCSD 10/20ug/ml
Misc :
ALS Vial : 8 Sample Multiplier: 1

5/20/13
EI

Quant Time: May 17 12:28:34 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	669045	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	493751	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.40	154	2384276	10.00	ug/ml	0.00

Target Compounds						Qvalue
2) Acetic acid	4.50	74	128088	22.41	ug/ml#	33
3) Propanoic acid	5.24	57	473261	11.02	ug/ml	99
4) 2-Methylpropanoic acid	5.68	71	396217	12.05	ug/ml	94
5) Butanoic acid	6.10	74	619098	10.76	ug/ml	99
6) 2-Methylbutanoic acid	6.59	88	923386	10.85	ug/ml	94
7) 3-Methylbutanoic acid	6.66	74	1217666	11.04	ug/ml	97
8) Pentanoic acid	7.15	74	1120092	10.25	ug/ml	97
9) 2-Methylpentanoic acid	7.53	88	1619921	10.89	ug/ml	98
10) 3-Methylpentanoic acid	7.78	74	1902771	11.17	ug/ml	97
11) 4-Methylpentanoic acid	7.90	74	941682	10.89	ug/ml	97
12) Hexanoic acid	8.18	74	1570190	10.59	ug/ml	98
14) Heptanoic acid	9.16	74	1825239	9.96	ug/ml	94
15) 2-Ethylhexanoic acid	9.21	87	1109015	7.88	ug/ml	91
16) Cyclohexanecarboxylic ...	9.71	55	606061	7.53	ug/ml	81
17) Octanoic acid	10.07	74	2023663	9.48	ug/ml	99
18) Benzoic acid	10.38	105	990575	7.13	ug/ml	89
20) Nonanoic acid	10.93	74	2188486	8.83	ug/ml	97
21) Decanoic Acid	11.73	74	1739212	9.00	ug/ml#	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Response Factor Report MS14

Method Path : J:\MS14\METHODS\
Method File : CA100912E.M
Title : Short Chain Carboxylic Acids in Air
Last Update : Tue Oct 09 13:00:48 2012
Response Via : Initial Calibration

Calibration Files
0.25=10091202.D 1 =10091203.D 5 =10091204.D 10 =10091205.D 25 =10091206.D 50 =10091207.D

		Compound	0.25	1	5	10	25	50	Avg	%RSD
1)	I	IS1 Bromofluoroben...	----------ISTD----------							
2)	T	Acetic acid		0.108	0.090	0.067	0.089	0.073	0.085	18.74
3)	T	Propanoic acid	0.604	0.705	0.700	0.574	0.678	0.591	0.642	9.17
4)	T	2-Methylpropan...	0.591	0.503	0.513	0.434	0.474	0.433	0.492	12.00
5)	T	Butanoic acid	0.918	0.862	0.890	0.813	0.866	0.812	0.860	4.88
6)		2-Methylbutano...	1.250	1.289	1.344	1.259	1.281	1.210	1.272	3.53
7)	T	3-Methylbutano...	1.565	1.692	1.761	1.658	1.662	1.556	1.649	4.73
8)	T	Pentanoic acid	1.592	1.662	1.721	1.621	1.642	1.567	1.634	3.32
9)	T	2-Methylpentan...	2.086	2.313	2.315	2.253	2.239	2.131	2.223	4.27
10)	T	3-Methylpentan...	2.506	2.593	2.660	2.597	2.535	2.390	2.547	3.68
11)	T	4-Methylpentan...	1.196	1.290	1.385	1.328	1.315	1.244	1.293	5.12
12)	T	Hexanoic acid	2.211	2.258	2.308	2.238	2.208	2.079	2.217	3.47
13)	I	IS2 1,4-Dibromoben...	----------ISTD----------							
14)	T	Heptanoic acid	3.708	3.721	3.942	3.768	3.752	3.387	3.713	4.87
15)	T	2-Ethylhexanoi...	2.883	2.947	3.006	2.888	2.854	2.534	2.852	5.79
16)	T	Cyclohexanecar...	1.646	1.779	1.647	1.618	1.614	1.479	1.630	5.88
17)	T	Octanoic acid	4.134	4.435	4.551	4.467	4.407	3.950	4.324	5.34
18)	T	Benzoic acid	2.731	2.874	3.059	2.830	2.920	2.472	2.814	7.10
19)	I	IS3 Biphenyl	----------ISTD----------							
20)	T	Nonanoic acid	0.974	1.028	1.085	1.105	1.108	0.939	1.040	6.85
21)	T	Decanoic Acid	0.673	0.775	0.849	0.864	0.901	0.799	0.810	9.97

(#) = Out of Range

Calibration Status Report MS14

Method Path : J:\MS14\METHODS\
Method File : CA100912E.M
Title : Short Chain Carboxylic Acids in Air
Last Update : Tue Oct 09 13:00:48 2012
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.25	10	10	J:\MS14\DATA\ACIDS\2012_10\09\10091202.D
3	1	10	10	J:\MS14\DATA\ACIDS\2012_10\09\10091203.D
4	5	10	10	J:\MS14\DATA\ACIDS\2012_10\09\10091204.D
5	10	10	10	J:\MS14\DATA\ACIDS\2012_10\09\10091205.D
6	25	10	10	J:\MS14\DATA\ACIDS\2012_10\09\10091206.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.25	Oct 09 13:00 2012	Oct 09 13:00 2012	
3	1	Oct 09 12:07 2012	Oct 09 11:44 2012	
4	5	Oct 09 12:07 2012	Oct 09 12:05 2012	
5	10	Oct 09 12:20 2012	Oct 09 12:20 2012	
6	25	Oct 09 12:58 2012	Oct 09 12:57 2012	

CA100912E.M Wed Oct 10 11:26:14 2012

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10081203
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:00:36 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10081203
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 13:00:36 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

10/10/12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.08	95	1320991	10.00	ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.69	236	805163	10.00	ug/ml	-0.03
19) IS3 Biphenyl	12.46	154	3529272	10.00	ug/ml	-0.03

Target Compounds						Qvalue
2) Acetic acid	4.55	74	9795m	1.08	ug/ml	
3) Propanoic acid	5.30	57	19941	0.23	ug/ml#	42
4) 2-Methylpropanoic acid	5.74	71	19509m	0.28	ug/ml	
5) Butanoic acid	6.17	74	30329	0.25	ug/ml#	81
6) 2-Methylbutanoic acid	6.67	88	41274	0.21	ug/ml#	88
7) 3-Methylbutanoic acid	6.74	74	51670	0.21	ug/ml#	42
8) Pentanoic acid	7.23	74	52569	0.23	ug/ml#	41
9) 2-Methylpentanoic acid	7.61	88	68878	0.21	ug/ml#	59
10) 3-Methylpentanoic acid	7.86	74	82758m	0.21	ug/ml	
11) 4-Methylpentanoic acid	7.97	74	39503m	0.21	ug/ml	
12) Hexanoic acid	8.25	74	73007m	0.21	ug/ml	
14) Heptanoic acid	9.23	74	74639m	0.21	ug/ml	
15) 2-Ethylhexanoic acid	9.28	87	58038	0.21	ug/ml#	87
16) Cyclohexanecarboxylic ...	9.78	55	33123m	0.23	ug/ml	
17) Octanoic acid	10.15	74	83212	0.21	ug/ml#	90
18) Benzoic acid	10.45	105	54979	0.12	ug/ml#	78
20) Nonanoic acid	11.00	74	85974	0.20	ug/ml#	77
21) Decanoic Acid	11.80	74	59413	0.17	ug/ml#	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

TIC: 10091202.D\data.ms

(2) Acetic acid (T)

4.582min (-4.582) 0.00ug/ml

response 0

Ion	Exp%	Act%
74.00	100	0.00
43.00	789.60	0.00#
59.10	44.70	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

TIC: 10091202.D\data.ms

(2) Acetic acid (T)

4.550min (-0.032) 1.08ug/ml m

response 9795

Ion	Exp%	Act%
74.00	100	100
43.00	789.60	0.00#
59.10	44.70	0.00#
0.00	0.00	0.00

Bri 10/10/12 ZK 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

TIC: 10091202.D\data.ms

(4) 2-Methylpropanoic acid (T)

5.767min (-5.767) 0.00ug/ml

response 0

Ion	Exp%	Act%
71.00	100	0.00
59.00	68.40	0.00#
87.10	62.10	0.00#
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:43:28 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

TIC: 10091202.D\data.ms

(4) 2-Methylpropanoic acid (T)

5.745min (-0.022) 0.28ug/ml m

response 19509

Ion	Exp%	Act%
71.00	100	100
59.00	68.40	0.00#
87.10	62.10	0.00#
0.00	0.00	0.00

Pauli 10/10/12 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

TIC: 10091202.D\data.ms

(10) 3-Methylpentanoic acid (T)

8.077min (+0.190) 0.62ug/ml

response 240676

Ion	Exp%	Act%
74.00	100	100
59.00	23.80	0.00#
99.00	15.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

TIC: 10091202.D\data.ms

(10) 3-Methylpentanoic acid (T)

7.859min (-0.028) 0.21ug/ml m

response 82758

Ion	Exp%	Act%
74.00	100	100
59.00	23.80	0.00#
99.00	15.30	0.00
0.00	0.00	0.00

iU 10/10/12

2W 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

(11) 4-Methylpentanoic acid (T)

8.077min (+0.074) 1.29ug/ml

response 242915

Ion	Exp%	Act%
74.00	100	100
87.00	55.90	24.25#
57.00	42.10	17.12#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

TIC: 10091202.D\data.ms

(11) 4-Methylpentanoic acid (T)

7.971min (-0.032) 0.21ug/ml m

response 39503

Ion	Exp%	Act%
74.00	100	100
87.00	55.90	149.14#
57.00	42.10	105.26#
0.00	0.00	0.00

TU 10/10/12

ZW 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

(12) Hexanoic acid (T)

8.256min (-0.028) 0.21ug/ml

response 72817

Ion	Exp%	Act%
74.15	100	100
87.10	31.30	0.00#
99.10	18.10	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

TIC: 10091202.D\data.ms

(12) Hexanoic acid (T)

8.251min (-0.033) 0.21ug/ml m

response 73007

Ion	Exp%	Act%
74.15	100	100
87.10	31.30	0.00#
99.10	18.10	0.00
0.00	0.00	0.00

TV 10/10/12 ✓ 2h 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

(14) Heptanoic acid (T)

9.231min (-0.027) 0.22ug/ml

response 79321

Ion	Exp%	Act%
74.00	100	100
43.00	38.70	35.00
87.00	31.30	73.19#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

TIC: 10091202.D\data.ms

(14) Heptanoic acid (T)

9.228min (-0.030) 0.21ug/ml m

response 74639

Ion	Exp%	Act%
74.00	100	100
43.00	38.70	37.19
87.00	31.30	77.78#
0.00	0.00	0.00

12 10/10/12

ZW 10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

TIC: 10091202.D\data.ms

(16) Cyclohexanecarboxylic acid (T)

9.787min (-0.028) 0.20ug/ml

response 28873

Ion	Exp%	Act%
55.00	100	100
87.00	74.50	74.12
142.00	25.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091202.D
Acq On : 9 Oct 2012 10:55 am
Operator : MD
Sample : 0.25/0.5 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 11:33:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Aug 21 11:07:14 2012
DataAcq Meth:FAME

TIC: 10091202.D\data.ms

(16) Cyclohexanecarboxylic acid (T)

9.781min (-0.034) 0.23ug/ml m

response 33123

Ion	Exp%	Act%
55.00	100	100
87.00	74.50	64.61
142.00	25.30	0.00#
0.00	0.00	0.00

10/10/12 10/10/12

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091203.D
Acq On : 9 Oct 2012 11:16 am
Operator : MD
Sample : 1/2 ug/ml Carboxylic Acids
Misc : S26-10081202
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 11:44:56 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 11:43:56 2012
DataAcq Meth:FAME

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091203.D
Acq On : 9 Oct 2012 11:16 am
Operator : MD
Sample : 1/2 ug/ml Carboxylic Acids
Misc : S26-10081202
ALS Vial : 3 Sample Multiplier: 1

10/10/12

Quant Time: Oct 09 11:44:56 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 11:43:56 2012
DataAcq Meth:FAME

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.08	95	1336680	10.00	ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	846688	10.00	ug/ml	-0.03
19) IS3 Biphenyl	12.47	154	3796213	10.00	ug/ml	-0.02

Target Compounds						Qvalue
2) Acetic acid	4.56	74	28790	2.69	ug/ml#	46
3) Propanoic acid	5.31	57	94189	1.13	ug/ml	98
4) 2-Methylpropanoic acid	5.75	71	67296	0.94	ug/ml	98
5) Butanoic acid	6.17	74	115261	0.96	ug/ml	96
6) 2-Methylbutanoic acid	6.67	88	172358	0.90	ug/ml	96
7) 3-Methylbutanoic acid	6.74	74	226116	0.94	ug/ml	99
8) Pentanoic acid	7.23	74	222097	0.98	ug/ml	98
9) 2-Methylpentanoic acid	7.61	88	309181	0.97	ug/ml	98
10) 3-Methylpentanoic acid	7.86	74	346609	0.90	ug/ml	98
11) 4-Methylpentanoic acid	7.98	74	172481	0.92	ug/ml	94
12) Hexanoic acid	8.25	74	301816m	0.90	ug/ml	
14) Heptanoic acid	9.23	74	315044	0.85	ug/ml	97
15) 2-Ethylhexanoic acid	9.28	87	249529	0.89	ug/ml	95
16) Cyclohexanecarboxylic ...	9.79	55	150645	1.04	ug/ml	96
17) Octanoic acid	10.15	74	375487	0.94	ug/ml	97
18) Benzoic acid	10.45	105	243357	0.55	ug/ml	98
20) Nonanoic acid	11.00	74	390440	0.88	ug/ml	96
21) Decanoic Acid	11.80	74	294133	0.84	ug/ml#	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091203.D
Acq On : 9 Oct 2012 11:16 am
Operator : MD
Sample : 1/2 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 11:44:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 11:43:56 2012
DataAcq Meth:FAME

(12) Hexanoic acid (T)

8.258min (-0.026) 0.87ug/ml

response 292011

Ion	Exp%	Act%
74.15	100	100
87.10	31.30	29.26
99.10	18.10	17.58
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091203.D
Acq On : 9 Oct 2012 11:16 am
Operator : MD
Sample : 1/2 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 11:44:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 11:43:56 2012
DataAcq Meth:FAME

TIC: 10091203.D\data.ms

(12) Hexanoic acid (T)

8.258min (-0.026) 0.87ug/ml

response 292011

Ion	Exp%	Act%
74.15	100	100
87.10	31.30	29.26
99.10	18.10	17.58
0.00	0.00	0.00

10/10/12

10/10/12

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091203.D
Acq On : 9 Oct 2012 11:16 am
Operator : MD
Sample : 1/2 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 11:44:22 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 11:43:56 2012
DataAcq Meth:FAME

TIC: 10091203.D\data.ms

(12) Hexanoic acid (T)

8.253min (-0.031) 0.90ug/ml m

response 301816

Ion	Exp%	Act%
74.15	100	100
87.10	31.30	28.31
99.10	18.10	17.00
0.00	0.00	0.00

12 10/10/12 2w 10/10/12

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091204.D
Acq On : 9 Oct 2012 11:37 am
Operator : MD
Sample : 5/10 ug/ml Carboxylic Acids
Misc : S26-10051214
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 12:05:12 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 11:45:33 2012
DataAcq Meth:FAME

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091204.D
Acq On : 9 Oct 2012 11:37 am
Operator : MD
Sample : 5/10 ug/ml Carboxylic Acids
Misc : S26-10051214
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 12:05:12 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 11:45:33 2012
DataAcq Meth:FAME

10/10/12

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.08	95	1282028	10.00 ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	843520	10.00 ug/ml	-0.03
19) IS3 Biphenyl	12.47	154	3829818	10.00 ug/ml	-0.02

Target Compounds					Qvalue
2) Acetic acid	4.56	74	115901m	9.07 ug/ml	
3) Propanoic acid	5.30	57	448899	4.74 ug/ml	97
4) 2-Methylpropanoic acid	5.75	71	328862	4.32 ug/ml	95
5) Butanoic acid	6.17	74	570327	4.41 ug/ml	98
6) 2-Methylbutanoic acid	6.67	88	861630	4.20 ug/ml	96
7) 3-Methylbutanoic acid	6.74	74	1128968	4.36 ug/ml	99
8) Pentanoic acid	7.22	74	1102951	4.45 ug/ml	96
9) 2-Methylpentanoic acid	7.61	88	1483914	4.27 ug/ml	98
10) 3-Methylpentanoic acid	7.86	74	1704951	4.14 ug/ml	99
11) 4-Methylpentanoic acid	7.97	74	887648	4.36 ug/ml	100
12) Hexanoic acid	8.25	74	1479477	4.12 ug/ml	98
14) Heptanoic acid	9.23	74	1662560	4.15 ug/ml	98
15) 2-Ethylhexanoic acid	9.28	87	1267967	4.09 ug/ml	96
16) Cyclohexanecarboxylic ...	9.79	55	694824	4.22 ug/ml	89
17) Octanoic acid	10.15	74	1919239	4.29 ug/ml	99
18) Benzoic acid	10.45	105	1290323	2.89 ug/ml	98
20) Nonanoic acid	11.00	74	2078106	4.16 ug/ml	97
21) Decanoic Acid	11.80	74	1626311	4.13 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091204.D
Acq On : 9 Oct 2012 11:37 am
Operator : MD
Sample : 5/10 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 12:04:58 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 11:45:33 2012
DataAcq Meth:FAME

TIC: 10091204.D\data.ms

(2) Acetic acid (T)

4.557min (-0.025) 8.55ug/ml

response 109220

Ion	Exp%	Act%
74.00	100	100
43.00	789.60	453.83#
59.10	44.70	41.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091204.D
Acq On : 9 Oct 2012 11:37 am
Operator : MD
Sample : 5/10 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 12:04:58 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 11:45:33 2012
DataAcq Meth:FAME

TIC: 10091204.D\data.ms

(2) Acetic acid (T)

4.556min (-0.026) 9.07ug/ml m

response 115901

Ion	Exp%	Act%
74.00	100	100
43.00	789.60	427.67#
59.10	44.70	38.83
0.00	0.00	0.00

PR 10/10/12

ZW 10/10/12

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091205.D
Acq On : 9 Oct 2012 11:58 am
Operator : MD
Sample : 10/20 ug/ml Carboxylic Acids
Misc : S26-10081201
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 12:20:34 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 12:07:54 2012
DataAcq Meth:FAME

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091205.D
Acq On : 9 Oct 2012 11:58 am
Operator : MD
Sample : 10/20 ug/ml Carboxylic Acids
Misc : S26-10081201
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 12:20:34 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 12:07:54 2012
DataAcq Meth:FAME

10/10/12

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.08	95	1282350	10.00 ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	855965	10.00 ug/ml	-0.03
19) IS3 Biphenyl	12.46	154	3698757	10.00 ug/ml	-0.03

Target Compounds					Qvalue
2) Acetic acid	4.56	74	172333	14.40 ug/ml#	9
3) Propanoic acid	5.30	57	736269	8.95 ug/ml	97
4) 2-Methylpropanoic acid	5.74	71	556926	8.25 ug/ml	99
5) Butanoic acid	6.16	74	1043065	9.06 ug/ml	98
6) 2-Methylbutanoic acid	6.66	88	1613858	8.97 ug/ml	95
7) 3-Methylbutanoic acid	6.74	74	2126035m	9.36 ug/ml	
8) Pentanoic acid	7.22	74	2078570	9.46 ug/ml	96
9) 2-Methylpentanoic acid	7.61	88	2889180	9.47 ug/ml	99
10) 3-Methylpentanoic acid	7.86	74	3330543	9.28 ug/ml	98
11) 4-Methylpentanoic acid	7.97	74	1702815	9.50 ug/ml	99
12) Hexanoic acid	8.25	74	2869410	9.13 ug/ml	98
14) Heptanoic acid	9.23	74	3225051	9.22 ug/ml	97
15) 2-Ethylhexanoic acid	9.28	87	2471662	9.17 ug/ml	97
16) Cyclohexanecarboxylic ...	9.79	55	1384687	9.72 ug/ml	92
17) Octanoic acid	10.15	74	3823190	9.66 ug/ml	98
18) Benzoic acid	10.45	105	2422106	6.55 ug/ml	99
20) Nonanoic acid	11.00	74	4085347	9.67 ug/ml	97
21) Decanoic Acid	11.80	74	3194288	9.53 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091205.D
Acq On : 9 Oct 2012 11:58 am
Operator : MD
Sample : 10/20 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 12:20:15 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 12:07:54 2012
DataAcq Meth:FAME

TIC: 10091205.D\data.ms

(7) 3-Methylbutanoic acid (T)

6.736min (-0.030) 9.34ug/ml

response 2123190

Ion	Exp%	Act%
74.15	100	100
59.05	35.50	35.54
85.10	28.70	28.52
0.00	0.00	0.00

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091205.D
Acq On : 9 Oct 2012 11:58 am
Operator : MD
Sample : 10/20 ug/ml Carboxylic Acids
Misc : S26-10
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 12:20:15 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 12:07:54 2012
DataAcq Meth:FAME

(7) 3-Methylbutanoic acid (T)

6.736min (-0.030) 9.36ug/ml m

response 2126035

Ion	Exp%	Act%
74.15	100	100
59.05	35.50	35.49
85.10	28.70	28.48
0.00	0.00	0.00

BRL
10/10/12
10/10/12

CA100912E.M Tue Oct 09 12:20:37 2012

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091206.D
Acq On : 9 Oct 2012 12:20 pm
Operator : MD
Sample : 25/50 ug/ml Carboxylic Acids
Misc : S26-10051213
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 12:57:34 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 12:21:00 2012
DataAcq Meth:FAME

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091206.D
Acq On : 9 Oct 2012 12:20 pm
Operator : MD
Sample : 25/50 ug/ml Carboxylic Acids
Misc : S26-10051213
ALS Vial : 6 Sample Multiplier: 1

10/10/12

Quant Time: Oct 09 12:57:34 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 12:21:00 2012
DataAcq Meth:FAME

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.08	95	1277888	10.00 ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	841009	10.00 ug/ml	-0.03
19) IS3 Biphenyl	12.47	154	3583219	10.00 ug/ml	-0.02

Target Compounds					Qvalue
2) Acetic acid	4.55	74	568664	48.07 ug/ml#	10
3) Propanoic acid	5.30	57	2165644	26.79 ug/ml	98
4) 2-Methylpropanoic acid	5.74	71	1514886	23.25 ug/ml	97
5) Butanoic acid	6.16	74	2765668	24.73 ug/ml	98
6) 2-Methylbutanoic acid	6.66	88	4091110	23.74 ug/ml	94
7) 3-Methylbutanoic acid	6.73	74	5308097	24.10 ug/ml	100
8) Pentanoic acid	7.22	74	5244471	24.42 ug/ml	96
9) 2-Methylpentanoic acid	7.60	88	7152310	24.10 ug/ml	99
10) 3-Methylpentanoic acid	7.85	74	8100090	23.37 ug/ml	98
11) 4-Methylpentanoic acid	7.97	74	4202065	24.17 ug/ml	99
12) Hexanoic acid	8.25	74	7053229	23.27 ug/ml	99
14) Heptanoic acid	9.23	74	7889376	23.91 ug/ml	97
15) 2-Ethylhexanoic acid	9.28	87	6000024	23.66 ug/ml	96
16) Cyclohexanecarboxylic ...	9.79	55	3392594	24.58 ug/ml	91
17) Octanoic acid	10.15	74	9266248	24.44 ug/ml	99
18) Benzoic acid	10.45	105	6139546	19.76 ug/ml	98
20) Nonanoic acid	11.00	74	9927327	25.02 ug/ml	97
21) Decanoic Acid	11.80	74	8067109	25.78 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091207.D
Acq On : 9 Oct 2012 12:41 pm
Operator : MD
Sample : 50/100 ug/ml Carboxylic Acids
Misc : S26-10051212
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 12:58:19 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 12:58:10 2012
DataAcq Meth:FAME

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091207.D
Acq On : 9 Oct 2012 12:41 pm
Operator : MD
Sample : 50/100 ug/ml Carboxylic Acids
Misc : S26-10051212
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 09 12:58:19 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 12:58:10 2012
DataAcq Meth:FAME

MD 10/10/12

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.08	95	1581211	10.00	ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	1092913	10.00	ug/ml	-0.02
19) IS3 Biphenyl	12.47	154	4952786	10.00	ug/ml	-0.02

Target Compounds						Qvalue
2) Acetic acid	4.55	74	1151379	77.13	ug/ml#	5
3) Propanoic acid	5.29	57	4669748	46.58	ug/ml	98
4) 2-Methylpropanoic acid	5.74	71	3427272	43.55	ug/ml	98
5) Butanoic acid	6.16	74	6417697	47.39	ug/ml	99
6) 2-Methylbutanoic acid	6.66	88	9566492	47.04	ug/ml	92
7) 3-Methylbutanoic acid	6.73	74	12304728	46.97	ug/ml	100
8) Pentanoic acid	7.22	74	12390168	48.15	ug/ml	96
9) 2-Methylpentanoic acid	7.60	88	16844371	47.75	ug/ml	99
10) 3-Methylpentanoic acid	7.85	74	18892013	46.34	ug/ml	99
11) 4-Methylpentanoic acid	7.97	74	9833387	47.83	ug/ml	99
12) Hexanoic acid	8.25	74	16436114	46.27	ug/ml	99
14) Heptanoic acid	9.23	74	18507253	45.01	ug/ml	96
15) 2-Ethylhexanoic acid	9.28	87	13844484	43.85	ug/ml	97
16) Cyclohexanecarboxylic ...	9.79	55	8084623	45.87	ug/ml	88
17) Octanoic acid	10.15	74	21583699	45.45	ug/ml	100
18) Benzoic acid	10.45	105	13506017	39.26	ug/ml	98
20) Nonanoic acid	11.00	74	23263732	44.22	ug/ml	97
21) Decanoic Acid	11.81	74	19782129	48.23	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091208.D
Acq On : 9 Oct 2012 1:02 pm
Operator : MD
Sample : 10/20 ug/ml Carboxylic Acids ICV
Misc : S26-10051216
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 13:23:23 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 13:00:48 2012
DataAcq Meth:FAME

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091208.D
Acq On : 9 Oct 2012 1:02 pm
Operator : MD
Sample : 10/20 ug/ml Carboxylic Acids ICV
Misc : S26-10051216
ALS Vial : 8 Sample Multiplier: 1

MD 10/10/12

Quant Time: Oct 09 13:23:23 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 13:00:48 2012
DataAcq Meth:FAME

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.08	95	1647334	10.00	ug/ml	-0.03
13) IS2 1,4-Dibromobenzene	10.70	236	1110687	10.00	ug/ml	-0.03
19) IS3 Biphenyl	12.47	154	4781882	10.00	ug/ml	-0.02

Target Compounds						Qvalue
2) Acetic acid	4.55	74	310972	22.10	ug/ml#	1
3) Propanoic acid	5.30	57	1125246	10.64	ug/ml	98
4) 2-Methylpropanoic acid	5.74	71	902388	11.14	ug/ml	96
5) Butanoic acid	6.16	74	1519714	10.72	ug/ml	97
6) 2-Methylbutanoic acid	6.66	88	2304999	11.00	ug/ml	96
7) 3-Methylbutanoic acid	6.74	74	3002661	11.05	ug/ml	100
8) Pentanoic acid	7.22	74	2827734	10.51	ug/ml	96
9) 2-Methylpentanoic acid	7.61	88	4122917	11.26	ug/ml	99
10) 3-Methylpentanoic acid	7.86	74	4592607	10.95	ug/ml	98
11) 4-Methylpentanoic acid	7.97	74	2329706	10.94	ug/ml	99
12) Hexanoic acid	8.25	74	3912525	10.71	ug/ml	98
14) Heptanoic acid	9.23	74	4623026	11.21	ug/ml	97
15) 2-Ethylhexanoic acid	9.28	87	3310690	10.45	ug/ml	95
16) Cyclohexanecarboxylic ...	9.79	55	1726308	9.53	ug/ml	88
17) Octanoic acid	10.15	74	5066199	10.55	ug/ml	98
18) Benzoic acid	10.45	105	3202116	10.24	ug/ml	97
20) Nonanoic acid	11.00	74	5570168	11.20	ug/ml	96
21) Decanoic Acid	11.80	74	4379748	11.31	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Evaluate Continuing Calibration Report

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091208.D
Acq On : 9 Oct 2012 1:02 pm
Operator : MD
Sample : 10/20 ug/ml Carboxylic Acids ICV
Misc : S26-10051216
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 13:23:23 2012
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Tue Oct 09 13:00:48 2012
DataAcq Meth:FAME

<30%
10/10/12

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1 Bromofluorobenzene (BFB	1.000	1.000	0.0	128	-0.03
2	T	Acetic acid	0.085	0.094	-10.6	180	-0.03
3	T	Propanoic acid	0.642	0.683	-6.4	153	-0.02
4	T	2-Methylpropanoic acid	0.492	0.548	-11.4	162	-0.02
5	T	Butanoic acid	0.860	0.923	-7.3	146	-0.03
6		2-Methylbutanoic acid	1.272	1.399	-10.0	143	-0.03
7	T	3-Methylbutanoic acid	1.649	1.823	-10.6	141	-0.03
8	T	Pentanoic acid	1.634	1.717	-5.1	136	-0.03
9	T	2-Methylpentanoic acid	2.223	2.503	-12.6	143	-0.03
10	T	3-Methylpentanoic acid	2.547	2.788	-9.5	138	-0.03
11	T	4-Methylpentanoic acid	1.293	1.414	-9.4	137	-0.03
12	T	Hexanoic acid	2.217	2.375	-7.1	136	-0.03
13	I	IS2 1,4-Dibromobenzene	1.000	1.000	0.0	130	-0.03
14	T	Heptanoic acid	3.713	4.162	-12.1	143	-0.03
15	T	2-Ethylhexanoic acid	2.852	2.981	-4.5	134	-0.03
16	T	Cyclohexanecarboxylic acid	1.630	1.554	4.7	125	-0.03
17	T	Octanoic acid	4.324	4.561	-5.5	133	-0.03
18	T	Benzoic acid	2.814	2.883	-2.5	132	-0.03
19	I	IS3 Biphenyl	1.000	1.000	0.0	129	-0.02
20	T	Nonanoic acid	1.040	1.165	-12.0	136	-0.03
21	T	Decanoic Acid	0.810	0.916	-13.1	137	-0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171301.D
Acq On : 17 May 2013 9:31 am
Operator : EI
Sample : 25/50ug/ml Carboxylic Acids
Misc : S26-04091305
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 09:54:35 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1 Bromofluorobenzene (BFB	1.000	1.000	0.0	81	0.00
2	T	Acetic acid	0.085	0.078	8.2	71	0.00
3	T	Propanoic acid	0.642	0.697	-8.6	83	0.00
4	T	2-Methylpropanoic acid	0.492	0.558	-13.4	95	0.00
5	T	Butanoic acid	0.860	0.970	-12.8	90	0.00
6		2-Methylbutanoic acid	1.272	1.394	-9.6	88	0.00
7	T	3-Methylbutanoic acid	1.649	1.991	-20.7	97	0.00
8	T	Pentanoic acid	1.634	1.955	-19.6	96	0.00
9	T	2-Methylpentanoic acid	2.223	2.584	-16.2	93	0.00
10	T	3-Methylpentanoic acid	2.547	3.108	-22.0	99	0.00
11	T	4-Methylpentanoic acid	1.293	1.534	-18.6	94	0.00
12	T	Hexanoic acid	2.217	2.627	-18.5	96	0.00
13	I	IS2 1,4-Dibromobenzene	1.000	1.000	0.0	86	0.00
14	T	Heptanoic acid	3.713	4.198	-13.1	96	0.00
15	T	2-Ethylhexanoic acid	2.852	3.091	-8.4	93	0.00
16	T	Cyclohexanecarboxylic acid	1.630	1.510	7.4	80	0.00
17	T	Octanoic acid	4.324	4.955	-14.6	97	0.00
18	T	Benzoic acid	2.814	3.170	-12.7	93	0.00
19	I	IS3 Biphenyl	1.000	1.000	0.0	91	0.00
20	T	Nonanoic acid	1.040	1.178	-13.3	96	0.00
21	T	Decanoic Acid	0.810	0.857	-5.8	86	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171301.D
Acq On : 17 May 2013 9:31 am
Operator : EI
Sample : 25/50ug/ml Carboxylic Acids
Misc : S26-04091305
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 17 09:54:35 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171301.D
Acq On : 17 May 2013 9:31 am
Operator : EI
Sample : 25/50ug/ml Carboxylic Acids
Misc : S26-04091305
ALS Vial : 1 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 17 09:54:35 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	1031716	10.00	ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	722084	10.00	ug/ml	0.00
19) IS3 Biphenyl	12.39	154	3251048	10.00	ug/ml	0.00

Target Compounds						Qvalue
2) Acetic acid	4.49	74	402303	45.65	ug/ml#	37
3) Propanoic acid	5.23	57	1798447	27.16	ug/ml	97
4) 2-Methylpropanoic acid	5.67	71	1438010	28.36	ug/ml	97
5) Butanoic acid	6.09	74	2502434	28.20	ug/ml	99
6) 2-Methylbutanoic acid	6.59	88	3594828	27.39	ug/ml	98
7) 3-Methylbutanoic acid	6.66	74	5134151	30.18	ug/ml	97
8) Pentanoic acid	7.15	74	5041755	29.91	ug/ml	96
9) 2-Methylpentanoic acid	7.53	88	6664056	29.06	ug/ml	96
10) 3-Methylpentanoic acid	7.78	74	8015859	30.51	ug/ml	97
11) 4-Methylpentanoic acid	7.89	74	3957251	29.66	ug/ml	96
12) Hexanoic acid	8.18	74	6776343	29.63	ug/ml	98
14) Heptanoic acid	9.15	74	7578805	28.27	ug/ml	96
15) 2-Ethylhexanoic acid	9.21	87	5580376	27.10	ug/ml	93
16) Cyclohexanecarboxylic ...	9.71	55	2726347	23.16	ug/ml	84
17) Octanoic acid	10.07	74	8944009	28.65	ug/ml	99
18) Benzoic acid	10.38	105	5723068	28.16	ug/ml	91
20) Nonanoic acid	10.93	74	9571645	28.31	ug/ml	96
21) Decanoic Acid	11.73	74	6968460	26.46	ug/ml	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Evaluate Continuing Calibration Report

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201301.D
Acq On : 20 May 2013 9:22 am
Operator : EI
Sample : 25/50ug/ml Carboxylic Acids
Misc : S26-04091305
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 20 09:47:08 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1 Bromofluorobenzene (BFB	1.000	1.000	0.0	75	0.00
2	T	Acetic acid	0.085	0.079	7.1	66	0.00
3	T	Propanoic acid	0.642	0.726	-13.1	80	0.00
4	T	2-Methylpropanoic acid	0.492	0.554	-12.6	88	0.00
5	T	Butanoic acid	0.860	0.987	-14.8	86	0.00
6		2-Methylbutanoic acid	1.272	1.416	-11.3	83	0.00
7	T	3-Methylbutanoic acid	1.649	2.010	-21.9	91	0.00
8	T	Pentanoic acid	1.634	1.945	-19.0	89	0.00
9	T	2-Methylpentanoic acid	2.223	2.545	-14.5	85	0.00
10	T	3-Methylpentanoic acid	2.547	3.046	-19.6	90	0.00
11	T	4-Methylpentanoic acid	1.293	1.548	-19.7	88	0.00
12	T	Hexanoic acid	2.217	2.598	-17.2	88	0.00
13	I	IS2 1,4-Dibromobenzene	1.000	1.000	0.0	81	0.00
14	T	Heptanoic acid	3.713	4.055	-9.2	87	0.00
15	T	2-Ethylhexanoic acid	2.852	3.015	-5.7	85	0.00
16	T	Cyclohexanecarboxylic acid	1.630	1.499	8.0	75	0.00
17	T	Octanoic acid	4.324	4.812	-11.3	88	0.00
18	T	Benzoic acid	2.814	3.099	-10.1	85	0.00
19	I	IS3 Biphenyl	1.000	1.000	0.0	83	0.00
20	T	Nonanoic acid	1.040	1.172	-12.7	88	0.00
21	T	Decanoic Acid	0.810	0.835	-3.1	77	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201301.D
Acq On : 20 May 2013 9:22 am
Operator : EI
Sample : 25/50ug/ml Carboxylic Acids
Misc : S26-04091305
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 20 09:47:08 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201301.D
Acq On : 20 May 2013 9:22 am
Operator : EI
Sample : 25/50ug/ml Carboxylic Acids
Misc : S26-04091305
ALS Vial : 1 Sample Multiplier: 1

5/20/13
ET

Quant Time: May 20 09:47:08 2013
Quant Method : J:\MS14\METHODS\CA100912E.M
Quant Title : Short Chain Carboxylic Acids in Air
QLast Update : Fri Apr 05 11:12:06 2013
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS1 Bromofluorobenzene...	8.01	95	959142	10.00 ug/ml	0.00
13) IS2 1,4-Dibromobenzene	10.62	236	677374	10.00 ug/ml	0.00
19) IS3 Biphenyl	12.39	154	2966199	10.00 ug/ml	0.00

Target Compounds					Qvalue
2) Acetic acid	4.49	74	377658	46.09 ug/ml#	47
3) Propanoic acid	5.23	57	1741944	28.29 ug/ml	99
4) 2-Methylpropanoic acid	5.67	71	1327791	28.16 ug/ml	99
5) Butanoic acid	6.09	74	2366543	28.68 ug/ml	99
6) 2-Methylbutanoic acid	6.58	88	3396095	27.83 ug/ml	98
7) 3-Methylbutanoic acid	6.66	74	4819378	30.47 ug/ml	97
8) Pentanoic acid	7.14	74	4663046	29.75 ug/ml	96
9) 2-Methylpentanoic acid	7.53	88	6102563	28.63 ug/ml	97
10) 3-Methylpentanoic acid	7.78	74	7305052	29.90 ug/ml	98
11) 4-Methylpentanoic acid	7.89	74	3710811	29.92 ug/ml	96
12) Hexanoic acid	8.17	74	6230085	29.30 ug/ml	97
14) Heptanoic acid	9.15	74	6866650	27.30 ug/ml	98
15) 2-Ethylhexanoic acid	9.20	87	5105725	26.43 ug/ml	93
16) Cyclohexanecarboxylic ...	9.71	55	2539202	22.99 ug/ml	85
17) Octanoic acid	10.07	74	8148906	27.82 ug/ml	100
18) Benzoic acid	10.38	105	5248724	27.53 ug/ml	92
20) Nonanoic acid	10.93	74	8691053	28.17 ug/ml	97
21) Decanoic Acid	11.73	74	6192412	25.77 ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : J:\MS14\DATA\ACIDS\2012_10\09\
Data File : 10091201.D
Acq On : 9 Oct 2012 10:18 am
Operator : MD
Sample : pentane blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: events.e

Method : J:\MS14\METHODS\CA100912E.M
Title : Short Chain Carboxylic Acids in Air
Last Update : Tue Oct 09 13:00:48 2012

10/10/12

AutoFind: Scans 577, 578, 579; Background Corrected with Scan 570

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	35255	PASS
75	95	30	60	52.0	83115	PASS
95	95	100	100	100.0	159823	PASS
96	95	5	9	6.5	10376	PASS
173	174	0.00	2	0.9	1135	PASS
174	95	50	100	77.3	123595	PASS
175	174	5	9	7.3	9081	PASS
176	174	95	101	95.7	118237	PASS
177	176	5	9	6.7	7907	PASS

BFB

Data Path : J:\MS14\DATA\ACIDS\2013_05\17\
Data File : 05171301.D
Acq On : 17 May 2013 9:31 am
Operator : EI
Sample : 25/50ug/ml Carboxylic Acids
Misc : S26-04091305
ALS Vial : 1 Sample Multiplier: 1

5/17/13
ET

Integration File: events.e

Method : J:\MS14\METHODS\CA100912E.M
Title : Short Chain Carboxylic Acids in Air
Last Update : Fri Apr 05 11:12:06 2013

AutoFind: Scans 581, 582, 583; Background Corrected with Scan 570

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	11449	PASS
75	95	30	60	42.8	30253	PASS
95	95	100	100	100.0	70667	PASS
96	95	5	9	6.6	4674	PASS
173	174	0.00	2	0.8	499	PASS
174	95	50	100	83.2	58784	PASS
175	174	5	9	7.8	4600	PASS
176	174	95	101	95.4	56101	PASS
177	176	5	9	6.6	3712	PASS

BFB

Data Path : J:\MS14\DATA\ACIDS\2013_05\20\
Data File : 05201301.D
Acq On : 20 May 2013 9:22 am
Operator : EI
Sample : 25/50ug/ml Carboxylic Acids
Misc : S26-04091305
ALS Vial : 1 Sample Multiplier: 1

5/20/13
ET

Integration File: events.e

Method : J:\MS14\METHODS\CA100912E.M
Title : Short Chain Carboxylic Acids in Air
Last Update : Fri Apr 05 11:12:06 2013

AutoFind: Scans 580, 581, 582; Background Corrected with Scan 569

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	11085	PASS
75	95	30	60	44.4	29588	PASS
95	95	100	100	100.0	66696	PASS
96	95	5	9	6.5	4304	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	81.3	54253	PASS
175	174	5	9	8.0	4363	PASS
176	174	95	101	95.2	51672	PASS
177	176	5	9	6.4	3324	PASS

Injection Log

Directory: J:\MS14\DATA\Acids\2012_10\09

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	10091201.d	1.	pentane blank		9 Oct 2012 10:18
2	2	10091202.d	1.	0.25/0.5 ug/ml Carboxylic A...	S26-10081203	9 Oct 2012 10:55
3	3	10091203.d	1.	1/2 ug/ml Carboxylic Acids	S26-10081202	9 Oct 2012 11:16
4	4	10091204.d	1.	5/10 ug/ml Carboxylic Acids	S26-10051214	9 Oct 2012 11:37
5	5	10091205.d	1.	10/20 ug/ml Carboxylic Acids	S26-10081201	9 Oct 2012 11:58
6	6	10091206.d	1.	25/50 ug/ml Carboxylic Acids	S26-10051213	9 Oct 2012 12:20
7	7	10091207.d	1.	50/100 ug/ml Carboxylic Acids	S26-10051212	9 Oct 2012 12:41
8	8	10091208.d	1.	10/20 ug/ml Carboxylic Acid...	S26-10051216	9 Oct 2012 13:02
9	10	10091209.d	1.	5/10 ug/ml Carboxylic Acids	prep by EI	9 Oct 2012 13:23
10	1	10091210.d	1.	pentane blank		9 Oct 2012 14:42
11	2	10091211.d	1.	SS 10/20ug/ml		9 Oct 2012 15:19
12	3	10091212.d	1.	LCS 10/20ug/ml		9 Oct 2012 15:40
13	4	10091213.d	1.	LCSD 10/20ug/ml		9 Oct 2012 16:01
14	5	10091214.d	1.	MB 1.0ml		9 Oct 2012 16:22
15	6	10091215.d	1.	P1203868-001 Back 1.0ml		9 Oct 2012 16:43
16	7	10091216.d	1.	P1203868-002 Back 1.0ml		9 Oct 2012 17:05
17	8	10091217.d	1.	P1203868-003 Back 1.0ml		9 Oct 2012 17:26
18	9	10091218.d	1.	P1203868-004 Back 1.0ml		9 Oct 2012 17:47
19	10	10091219.d	1.	Chamber Blank Back 1.0ml		9 Oct 2012 18:08
20	11	10091220.d	1.	P1203868-001 Front 1.0ml		9 Oct 2012 18:29
21	12	10091221.d	1.	P1203868-002 Front 1.0ml		9 Oct 2012 18:50
22	13	10091222.d	1.	P1203868-003 Front 1.0ml		9 Oct 2012 19:11
23	14	10091223.d	1.	P1203868-004 Front 1.0ml		9 Oct 2012 19:32
24	15	10091224.d	1.	Chamber Blank Front 1.0ml		9 Oct 2012 19:53

Injection Log

Directory: J:\MS14\DATA\ACIDS\2013_05\17

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	05171301.d	1.	25/50ug/ml Carboxylic Acids	S26-04091305	17 May 2013 09:31
2	2	05171302.d	1.	Pentane Blank		17 May 2013 09:56
3	3	05171303.d	1.	0.25/0.5ug/ml MRL Ck std.	S26-04091308	17 May 2013 10:16
4	4	05171304.d	1.	1/2ug/ml MRL Ck std.	S26-04091307	17 May 2013 10:42
5	5	05171305.d	1.	dirty Sx		17 May 2013 11:06
6	6	05171306.d	1.	SS 10/20ug/ml		17 May 2013 11:26
7	7	05171307.d	1.	LCS 10/20ug/ml		17 May 2013 11:47
8	8	05171308.d	1.	LCSD 10/20ug/ml		17 May 2013 12:08
9	5	05171309.d	1.	dirty Sx		17 May 2013 12:29
10	9	05171310.d	1.	MB 1.0ml		17 May 2013 12:50
11	5	05171311.d	1.	dirty Sx		17 May 2013 13:14
12	10	05171312.d	1.	P1301985-001 Back 1.0ml		17 May 2013 13:35
13	11	05171313.d	1.	P1301985-002 Back 1.0ml		17 May 2013 13:55
14	5	05171314.d	1.	dirty Sx		17 May 2013 14:16
15	12	05171315.d	1.	P1301985-001 Front 1.0ml		17 May 2013 14:37
16	13	05171316.d	1.	P1301985-002 Front 1.0ml		17 May 2013 14:57
17	5	05171317.d	1.	dirty Sx		17 May 2013 15:18
18	14	05171318.d	1.	P1301985-003 Back 1.0ml		17 May 2013 15:39
19	15	05171319.d	1.	P1301985-003 Front 1.0ml		17 May 2013 15:59
20	16	05171320.d	1.	P1301985-004 Back 1.0ml		17 May 2013 16:20
21	5	05171321.d	1.	dirty Sx	5/20/13	17 May 2013 16:41
22	17	05171322.d	1.	P1301985-004 Front 1.0ml	ET	17 May 2013 17:01
23	18	05171323.d	1.	P1301985-005 Back 1.0ml		17 May 2013 17:22
24	5	05171324.d	1.	dirty Sx		17 May 2013 17:42
25	19	05171325.d	1.	P1301985-005 Front 1.0ml		17 May 2013 18:03
26	20	05171326.d	1.	P1301985-006 Back 1.0ml		17 May 2013 18:24
27	5	05171327.d	1.	dirty Sx		17 May 2013 18:45
28	21	05171328.d	1.	P1301985-006 Front 1.0ml		17 May 2013 19:06
29	22	05171329.d	1.	xP1301985-007 Back 1.0ml	low IS, will rerun	17 May 2013 19:26
30	5	05171330.d	1.	dirty Sx		17 May 2013 19:48
31	5	05171331.d	1.	dirty Sx		17 May 2013 20:09
32	23	05171332.d	1.	P1301985-007 Front 1.0ml		17 May 2013 20:30
33	24	05171333.d	1.	P1301985-008 Back 1.0ml		17 May 2013 20:51
34	25	05171334.d	1.	xP1301985-008 Front 1.0ml	low IS, will rerun	17 May 2013 21:12
35	5	05171335.d	1.	dirty Sx		18 May 2013 07:43
36	5	05171336.d	1.	dirty Sx		18 May 2013 08:06
37	22	05171337.d	1.	P1301985-007 Back 1.0ml		18 May 2013 08:27
38	5	05171338.d	1.	dirty Sx		18 May 2013 08:48
39	5	05171339.d	1.	dirty Sx		18 May 2013 09:09
40	25	05171340.d	1.	xP1301985-008 Front 1.0ml	low IS, will rerun	18 May 2013 09:30

Injection Log

Directory: J:\MS14\DATA\ACIDS\2013_05\20

Line	Vial	FileName	Multiplier	SampleName	Misc Info		Injected
1	1	05201301.d	1.	25/50ug/ml Carboxylic Acids	S26-04091305		20 May 2013 09:22
2	2	05201302.d	1.	pentane blank		5/20/13	20 May 2013 09:49
3	3	05201303.d	1.	0.25/0.5ug/ml MRL ck std	S26-04091308		20 May 2013 10:10
4	4	05201304.d	1.	1/2ug/ml MRL ck std	S26-04091308	CC	20 May 2013 10:32
5	26	05201305.d	1.	P1301985-008 Front 1.0ml	rerun		20 May 2013 10:59