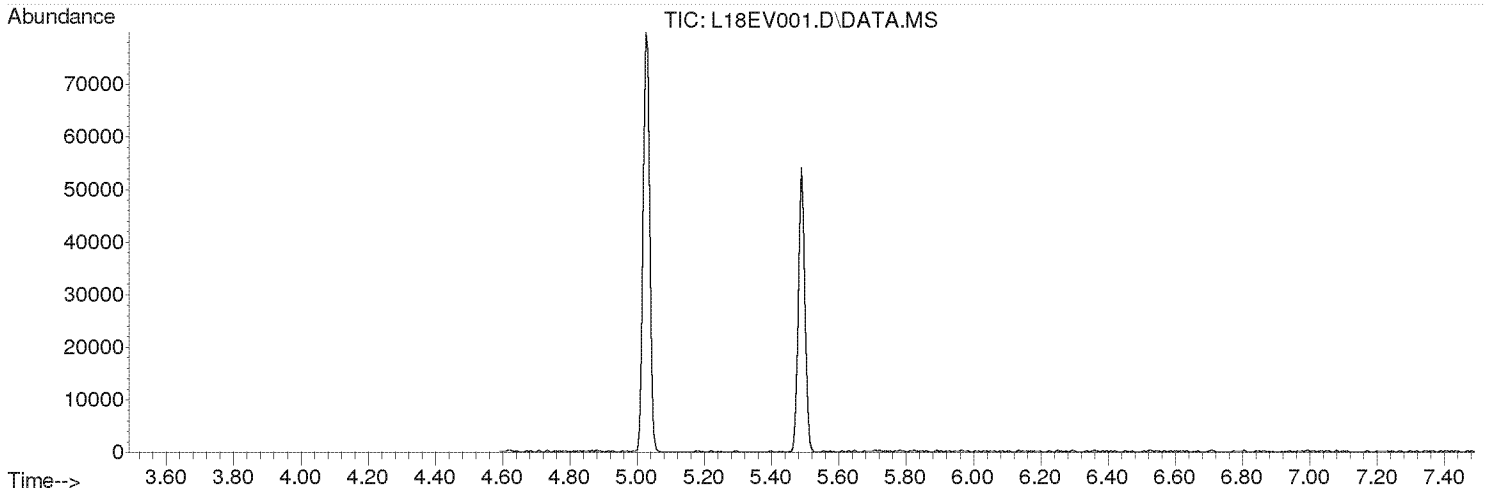
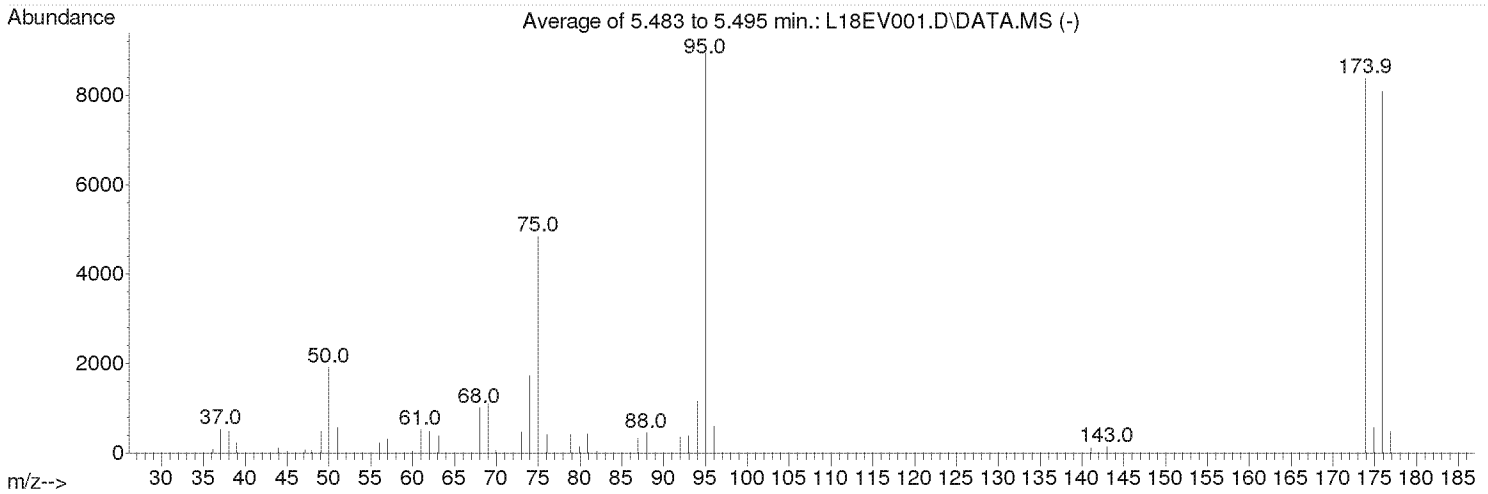
Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV001.D
Acq On : 22 May 2018 3:45 pm
Operator : MAH
Sample : BFB
Misc : 80ML IS 7L07001
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : Y:\MASS SPEC 1 DATA\AIR_METHODS MS1\8050004_ETOX.M
Title : TO-15 by Selective Ion Analysis
Last Update : Mon May 21 13:28:21 2018





Spectrum Information: Average of 5.483 to 5.495 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.3	1897	PASS
75	95	30	66	54.0	4824	PASS
95	95	100	100	100.0	8926	PASS
96	95	5	9	6.5	582	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	93.7	8360	PASS
175	174	4	9	6.6	555	PASS
176	174	93	101	96.6	8077	PASS
177	176	5	9	5.9	474	PASS

Compound Name			IS-Hexane-d14	IS-Hexane-d14
Labels	Date Acquired	Data File Name	(# 1) Target Response	(# 1) Ret Time
	5/23/2018 12:10	L18EV021.D	31662	20.01
Format 1 (Yes/No)				
Format 1 Title				
Format 2 (Yes/No)			YES	YES
Format 2 Title				
Show X Axis Title			YES	YES
Show Y Axis Title				
Lines To Chart				

Start of Data	Format 1 X-axis	Format 2 X-axis	**IS-Hexane-d14**	**% Rec**	**RT**	**DEV (min)**
		IS AVG / AVG RT	**37711**		**20.01**	
	5/22/2018 16:30	L18EV002.D	31812	**84**	20.01	**0**
	5/22/2018 17:33	L18EV003.D	32817	**87**	20.01	**0**
	5/22/2018 18:34	L18EV004.D	29783	**79**	20.01	**0**
	5/22/2018 19:35	L18EV005.D	33487	**89**	20.01	**0**
	5/22/2018 20:36	L18EV006.D	30077	**80**	20.01	**0**
	5/22/2018 21:37	L18EV007.D	31395	**83**	20.01	**0**
	5/22/2018 22:39	L18EV008.D	32227	**85**	20.01	**0**
	5/22/2018 23:42	L18EV009.D	30605	**81**	20.01	**0**
	5/23/2018 12:45	L18EV010.D	32624	**87**	20.01	**0**
	5/23/2018 1:47	L18EV011.D	32405	**86**	20.01	**0**
	5/23/2018 2:49	L18EV012.D	31105	**82**	20.01	**0**
	5/23/2018 3:52	L18EV013.D	30224	**80**	20.01	**0**
	5/23/2018 4:54	L18EV014.D	29223	**77**	20.01	**0**
	5/23/2018 5:57	L18EV015.D	30072	**80**	20.01	**0**
	5/23/2018 6:59	L18EV016.D	31383	**83**	20.01	**0**
	5/23/2018 8:01	L18EV017.D	29504	**78**	20.01	**0**
	5/23/2018 9:03	L18EV018.D	31510	**84**	20.01	**0**
	5/23/2018 10:06	L18EV019.D	31897	**85**	20.01	**0**
	5/23/2018 11:08	L18EV020.D	30629	**81**	20.01	**0**
	5/23/2018 12:10	L18EV021.D	31662	**84**	20.01	**0**

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\L18EV\L18EV001.D
Tune Time : 22 May 2018 3:45 pm

8050004_ETOX	IS Avg Area	37711	90570	55149
+40%		52796	126799	77209
-40%		22627	54342	33090

File	Sample	Internal Standard Responses		
L18EV002.D	1805056-CCV1	31812	77128	48557
L18EV003.D	B8E2105-BLK1	32817	80238	49038
L18EV004.D	8051813-11 DL	29783	72174	42602
L18EV005.D	8051813-11 DL	33487	82769	50113
L18EV006.D	B8E2105-DUP5DL	30077	73284	43565
L18EV007.D	B8E2105-DUP6DL	31395	77851	45274
L18EV008.D	8051813-16	32227	80005	47945
L18EV009.D	8051813-17	30605	74725	43568
L18EV010.D	8052134-01	32624	79345	46342
L18EV011.D	8052134-02	32405	78441	46489
L18EV012.D	8052134-03	31105	74947	45321
L18EV013.D	8052134-04	30224	73303	43359
L18EV014.D	8052134-05	29223	68825	43749
L18EV015.D	8052134-06	30072	72616	46577
L18EV016.D	8052134-07	31383	75784	45921
L18EV017.D	8052134-08	29504	73013	45005
L18EV018.D	8052134-09	31510	76893	49135
L18EV019.D	8052134-10	31897	77760	49050
L18EV020.D	B8E2208-DUP1	30629	74062	44741
L18EV021.D				

B8E2208-DUP2	31662	78348	46435

(fails) - fails 24hr time check * - fails criteria

Created: Wed May 23 13:50:25 2018 MS1

ANALYSIS SEQUENCE

Instrument: ERGMS#1

1805059

Printed: 9/13/2018 3:19:29PM

Calibration ID: 8050004

Lab Number	Sample Name	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
1805059-CCV1	Calibration Check	QC		1		8E10007	7L07002	
B8E2208-BLK1	Blank	QC		2			7L07002	
8051813-16	EtO 41.7453,-87.9439	TO-15 2018 Ethylene Oxide	A	3			7L07002	
8051813-17	EtO 41.7505,-87.9371	TO-15 2018 Ethylene Oxide	A	4			7L07002	
8052134-01	EtO Grab 41.7484,-87.9493	TO-15 2018 Ethylene Oxide	A	5			7L07002	
8052134-02	EtO Grab 41.7461,-87.9440	TO-15 2018 Ethylene Oxide	A	6			7L07002	
8052134-03	EtO Grab 41.7467,-87.9384	TO-15 2018 Ethylene Oxide	A	7			7L07002	
8052134-04	EtO Grab 41.7519,-87.9373	TO-15 2018 Ethylene Oxide	A	8			7L07002	
8052134-05	EtO Grab 41.7470,-87.9475	TO-15 2018 Ethylene Oxide	A	9			7L07002	
8052134-06	EtO Grab 41.7467,-87.9421	TO-15 2018 Ethylene Oxide	A	10			7L07002	
8052134-07	EtO Grab 41.7517,-87.9415	TO-15 2018 Ethylene Oxide	A	11			7L07002	
8052134-08	EtO 41.7453,-87.9439	TO-15 2018 Ethylene Oxide	A	12			7L07002	
8052134-09	EtO Grab D1 41.7485,-87.9438	TO-15 2018 Ethylene Oxide	A	13			7L07002	
8052134-10	EtO Grab D2 41.7485,-87.9438	TO-15 2018 Ethylene Oxide	A	14			7L07002	
B8E2208-DUP1	Duplicate	QC		15			7L07002	
B8E2208-DUP2	Duplicate	QC		16			7L07002	

Samples Loaded By Date

Data Processed By Date

Analytical Standard Record
Eastern Research Group
8I10007

Description:	2.50 ppbv ICV/CCV	Expires:	10/10/18
Standard Type:	Calibration Star	Prepared:	09/10/18
Solvent:	Scientific Air	Prepared By:	Mitch Howell
Final Volume (mls):	6000	Department:	Air Toxics
Vials:	1	Last Edit:	09/10/18 12:24 by MH

canister# 3238

Analyte	CAS Number	Concentration	Units
Acrolein	107-02-8	0.00238	ppmv
cis-1,2-Dichloroethylene	156-59-2	0.00253	ppmv
Chloroprene	126-99-8	0.00246	ppmv
Chloromethane	74-87-3	0.0025	ppmv
Chloroform	67-66-3	0.00251	ppmv
Chloroethane	75-00-3	0.00251	ppmv
Chlorobenzene	108-90-7	0.00248	ppmv
Carbon Tetrachloride	56-23-5	0.00248	ppmv
Carbon Disulfide	75-15-0	0.00249	ppmv
Bromomethane	74-83-9	0.00248	ppmv
Bromoform	75-25-2	0.00256	ppmv
Bromodichloromethane	75-27-4	0.00258	ppmv
Bromochloromethane	74-97-5	0.00247	ppmv
1,1,1-Trichloroethane	71-55-6	0.0025	ppmv
Acrylonitrile	107-13-1	0.00245	ppmv
Dichlorodifluoromethane	75-71-8	0.00242	ppmv
Acetylene	74-86-2	0.00246	ppmv
Acetonitrile	75-05-8	0.00252	ppmv
1,3-Butadiene	106-99-0	0.00248	ppmv
1,3,5-Trimethylbenzene	108-67-8	0.0025	ppmv
1,2-Dichloropropane	78-87-5	0.00253	ppmv
1,2-Dichloroethane	107-06-2	0.0025	ppmv
1,2-Dibromoethane	106-93-4	0.0025	ppmv
1,2,4-Trimethylbenzene	95-63-6	0.00237	ppmv
1,2,4-Trichlorobenzene	120-82-1	0.00251	ppmv
1,1-Dichloroethene	75-35-4	0.00246	ppmv
1,1-Dichloroethane	75-34-3	0.00246	ppmv
1,1,2-Trichloroethane	79-00-5	0.0025	ppmv
1,1,2,2-Tetrachloroethane	79-34-5	0.00254	ppmv
Benzene	71-43-2	0.00252	ppmv

Reviewed By Date

Analytical Standard Record

Eastern Research Group

8I10007

n-Hexane	110-54-3	0.00248	ppmv
Trichlorotrifluoroethane	76-13-1	0.00246	ppmv
Trichlorofluoromethane	75-69-4	0.00248	ppmv
Trichloroethylene	79-01-6	0.00252	ppmv
trans-1,3-Dichloropropene	10061-02-6	0.00248	ppmv
trans-1,2-Dichloroethylene	156-60-5	0.0025	ppmv
Toluene	108-88-3	0.00244	ppmv
Tetrachloroethylene	127-18-4	0.00248	ppmv
tert-Amyl Methyl Ether	994-05-8	0.0026	ppmv
Styrene	100-42-5	0.0025	ppmv
Propylene	115-07-1	0.00246	ppmv
p-Dichlorobenzene	106-46-7	0.00261	ppmv
o-Xylene	95-47-6	0.00246	ppmv
o-Dichlorobenzene	95-50-1	0.00253	ppmv
cis-1,3-Dichloropropene	10061-01-5	0.00256	ppmv
Hexachloro-1,3-butadiene	87-68-3	0.00255	ppmv
Vinyl chloride	75-01-4	0.00252	ppmv
Dichloromethane	75-09-2	0.0025	ppmv
Dichlorotetrafluoroethane	76-14-2	0.00246	ppmv
Ethyl Acrylate	140-88-5	0.00254	ppmv
Ethyl tert-Butyl Ether	637-92-3	0.0026	ppmv
Naphthalene	91-20-3	0.0025	ppmv
Ethylene oxide	75-21-8	0.00255	ppmv
n-Octane	111-65-9	0.00248	ppmv
m,p-Xylene	108-38-3, 106-42-3	0.005	ppmv
m-Dichlorobenzene	541-73-1	0.0024	ppmv
Methyl Isobutyl Ketone	108-10-1	0.00254	ppmv
Methyl Methacrylate	80-62-6	0.00254	ppmv
Methyl tert-Butyl Ether	1634-04-4	0.0025	ppmv
Dibromochloromethane	124-48-1	0.00257	ppmv
Ethylbenzene	100-41-4	0.00252	ppmv

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
7J04001	TO-15 Secondary Stock Standard	10/04/17	Mitch Howell	09/25/18	10/04/17 09:52 by MH	30
8B27011	Ethylene Oxide Stock Standard	11/29/17	** Vendor **	11/29/18	02/27/18 11:23 by MH	15

Reviewed By Date

Evaluate Continuing Calibration Report

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV002.D
Acq On : 22 May 2018 4:30 pm
Operator : MAH
Sample : 1805059-CCV1
Misc : 80ML IS 7L07001,8E10007
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 08:12:49 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.30min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 ISS	IS-Hexane-d14	1.000	1.000	0.0	88	0.00
2	Ethylene Oxide	0.228	0.253	-11.0	88	0.00
3 ISS	IS-1,4-Difluorobenzene	1.000	1.000	0.0	91	0.00
4 ISS	IS-Chlorobenzene-d5	1.000	1.000	0.0	91	0.00

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

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV002.D
Acq On : 22 May 2018 4:30 pm
Operator : MAH
Sample : 1805059-CCV1
Misc : 80ML IS 7L07001,8E10007
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 08:12:49 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	31812	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.184	114	77128	4.9300 ppbv	0.02
4) IS-Chlorobenzene-d5	30.133	117	48557	4.7000 ppbv	0.00

System Monitoring Compounds

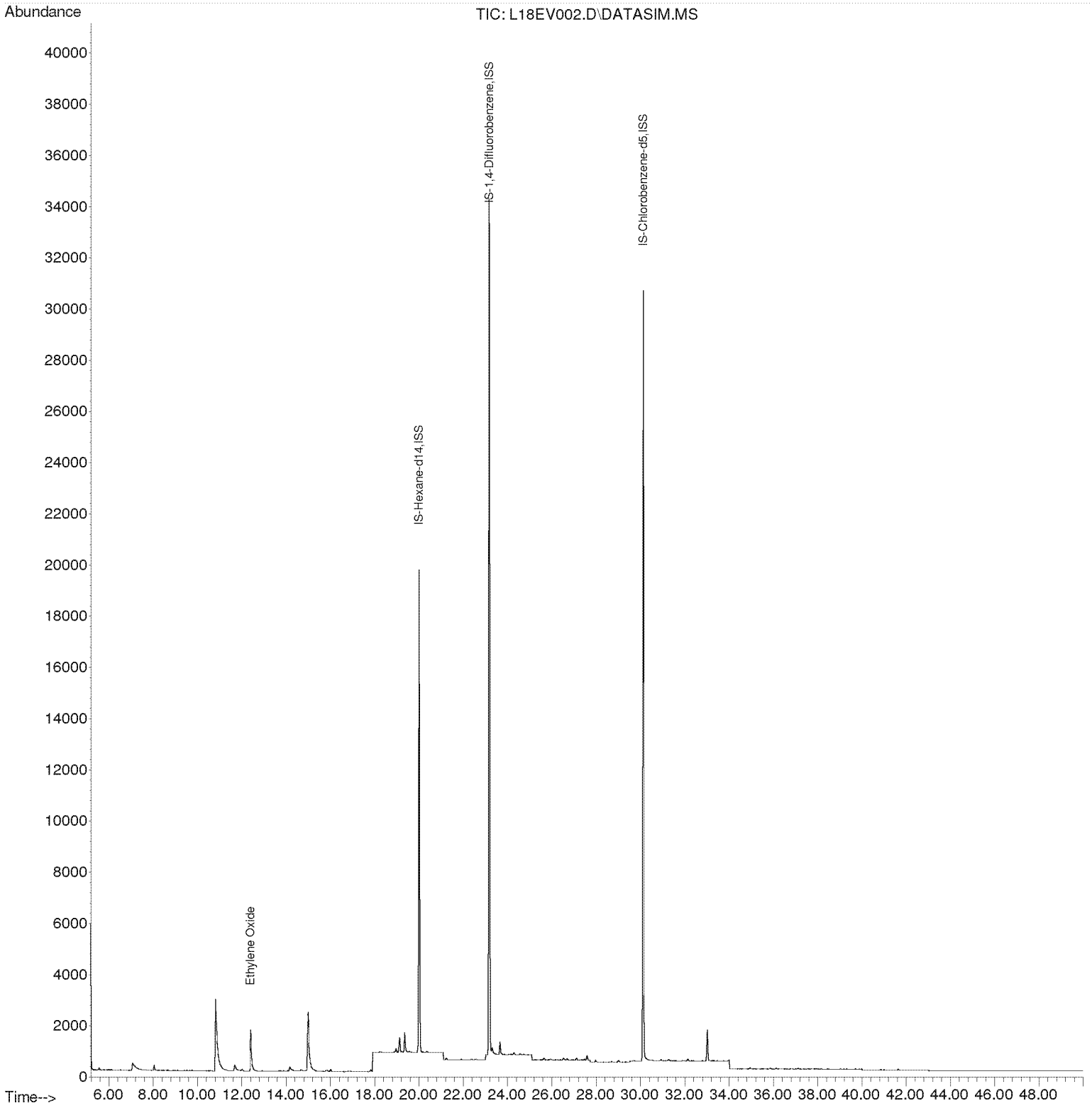
Target Compounds					Qvalue
2) Ethylene Oxide	12.405	29	4193m	2.7709 ppbv	

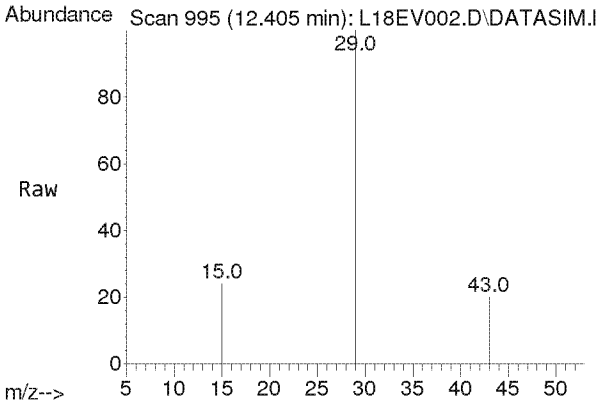
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV002.D
Acq On : 22 May 2018 4:30 pm
Operator : MAH
Sample : 1805059-CCV1
Misc : 80ML IS 7L07001,8E10007
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 23 08:12:49 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

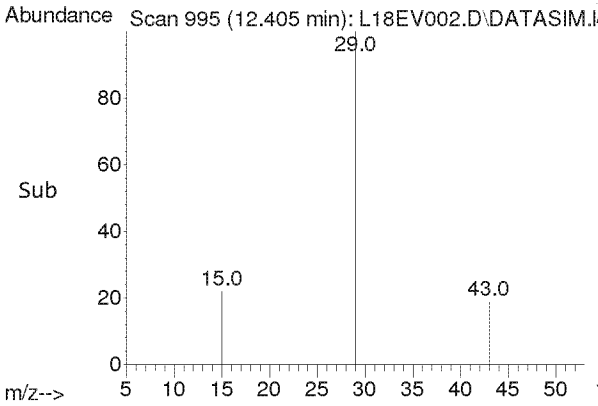


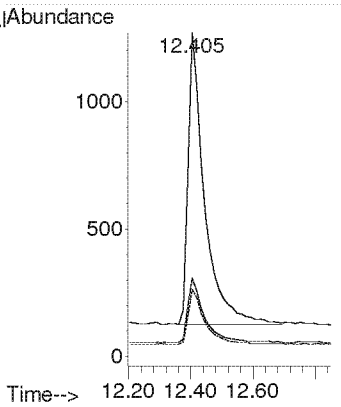


#2
Ethylene Oxide
Concen: 2.771 ppbv m
RT: 12.405 min Scan# 995
Delta R.T. -0.072 min
Lab File: L18EV002.D
Acq: 22 May 2018 4:30 pm

Tgt Ion: 29 Resp: 4193

Ion	Ratio	Lower	Upper
29	100		
15	22.8	20.4	30.6
43	19.2	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV003.D
Acq On : 22 May 2018 5:33 pm
Operator : MAH
Sample : B8E2208-BLK1
Misc : 80ML IS 7L07001
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 23 08:12:55 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	32817	4.8000	ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	80238	4.9300	ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	49038	4.7000	ppbv	0.00

System Monitoring Compounds

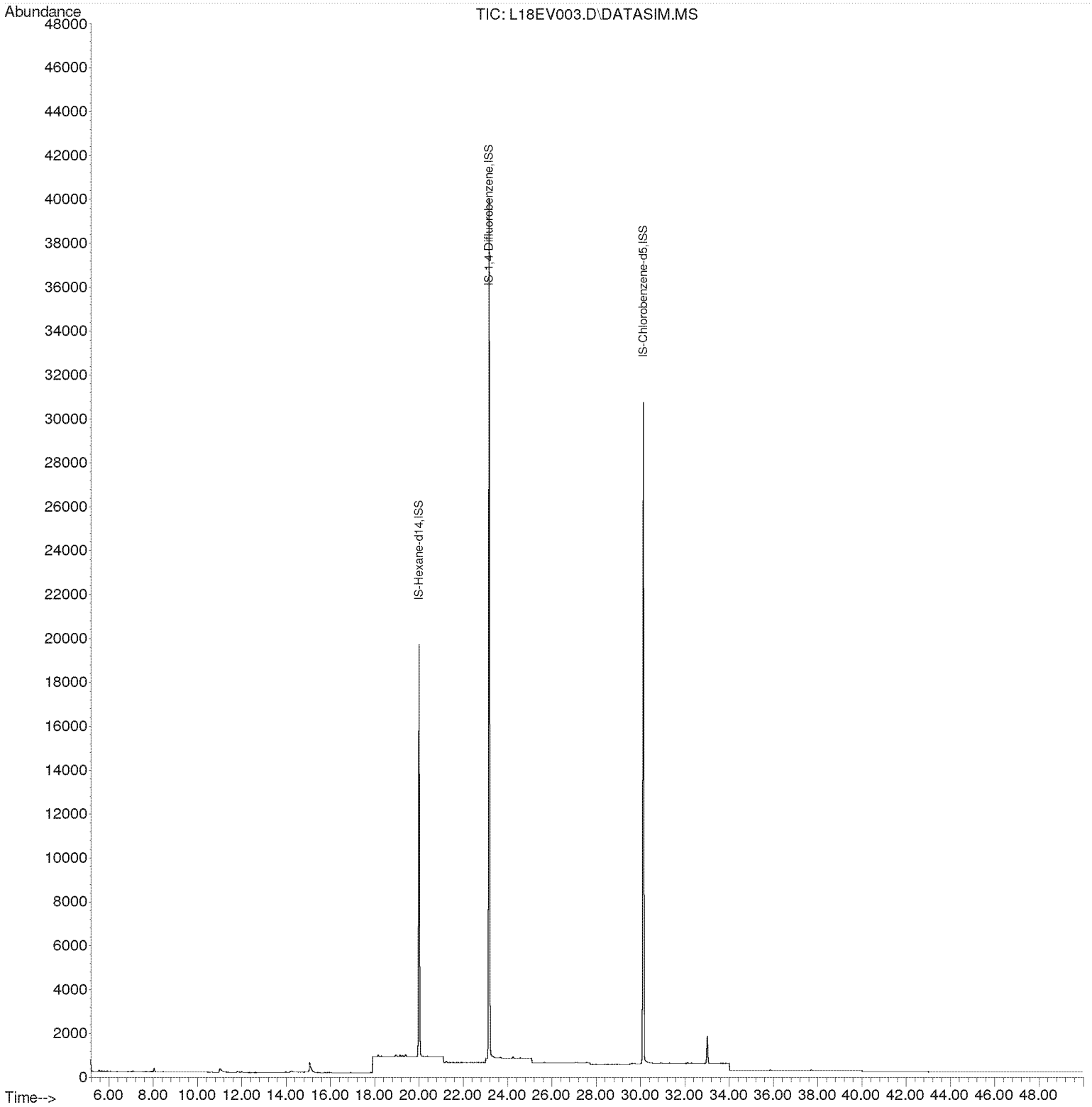
Target Compounds						Qvalue
2) Ethylene Oxide	0.000	29	0	N.D.	d	

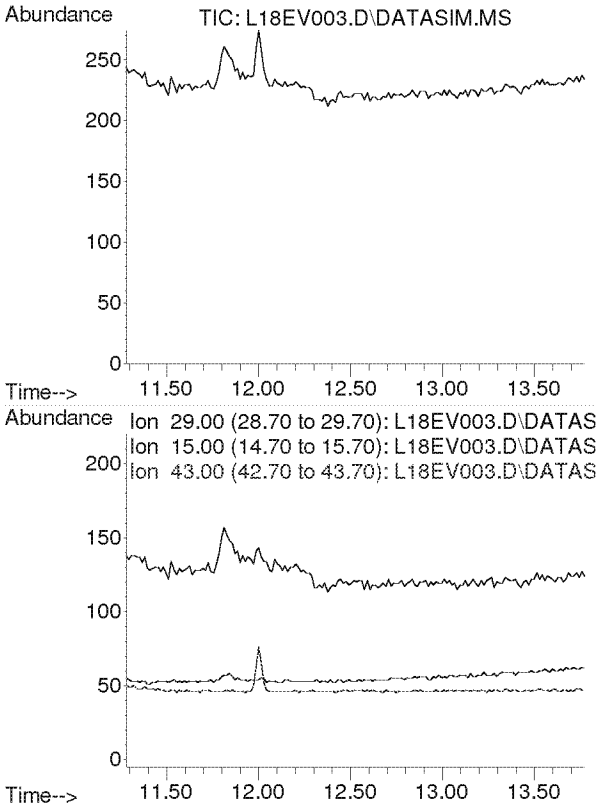
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV003.D
Acq On : 22 May 2018 5:33 pm
Operator : MAH
Sample : B8E2208-BLK1
Misc : 80ML IS 7L07001
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 23 08:12:55 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration





#2
Ethylene Oxide
Concen: N.D.
Expected RT: 12.48 min

Lab File: L18EV003.D
Acq: 22 May 2018 5:33 pm

Tgt Ion: 29

Sig	Exp Ratio
29	100
15	25.5
43	20.3

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV004.D
Acq On : 22 May 2018 6:34 pm
Operator : MAH
Sample : 8051813-11
Misc : WBIL C1 5/16/18,125ML INJECTION
ALS Vial : 4 Sample Multiplier: 2

Quant Time: May 23 08:13:16 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	29783	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	72174	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	42602	4.7000 ppbv	0.00

System Monitoring Compounds

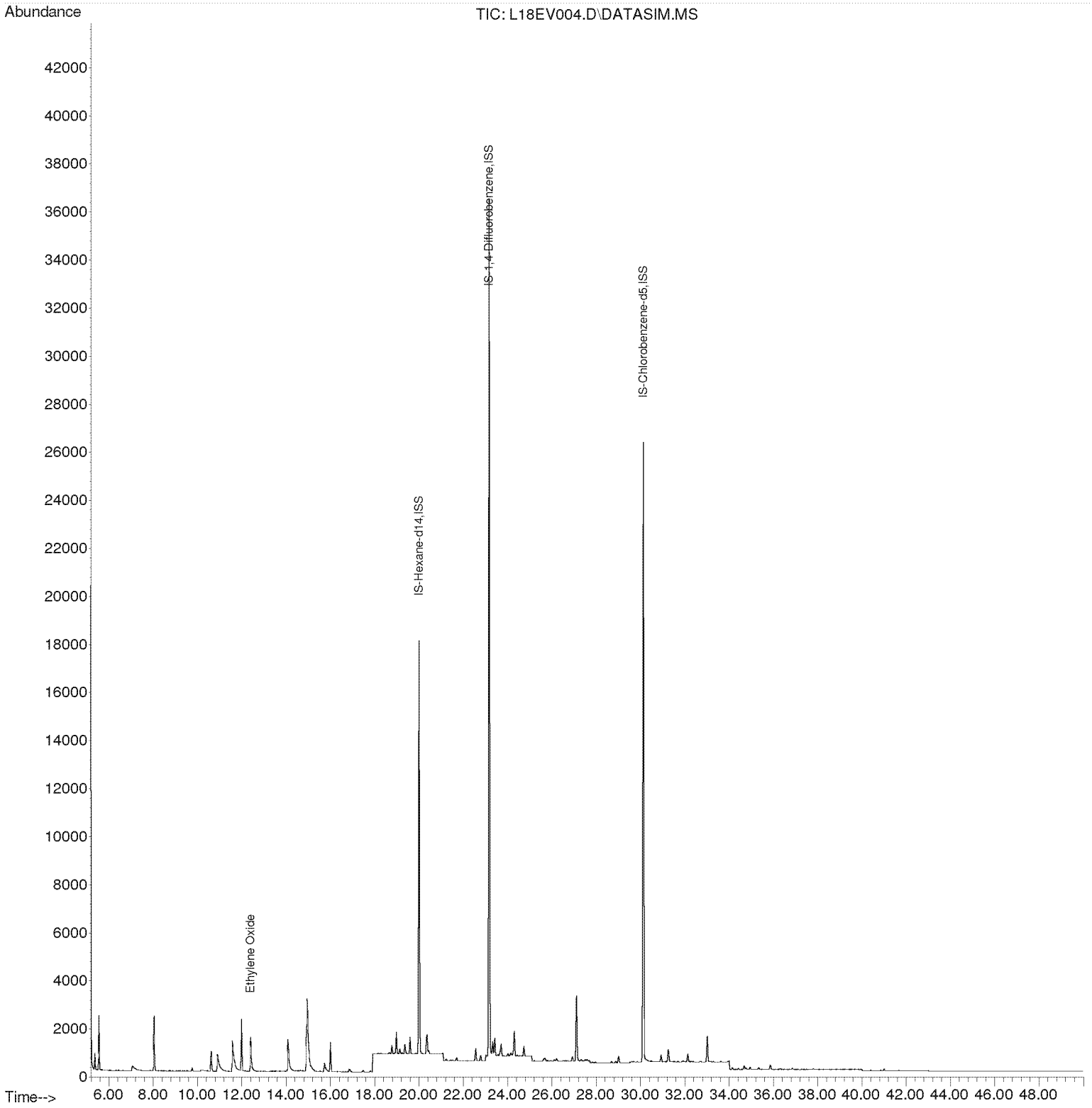
Target Compounds					Qvalue
2) Ethylene Oxide	12.405	29	3556m	5.0200 ppbv	

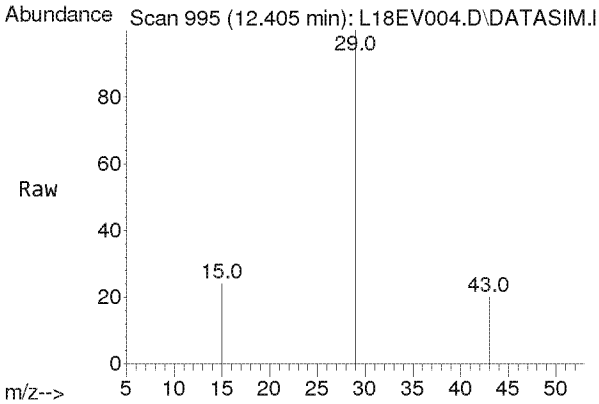
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV004.D
Acq On : 22 May 2018 6:34 pm
Operator : MAH
Sample : 8051813-11
Misc : WBIL C1 5/16/18,125ML INJECTION
ALS Vial : 4 Sample Multiplier: 2

Quant Time: May 23 08:13:16 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

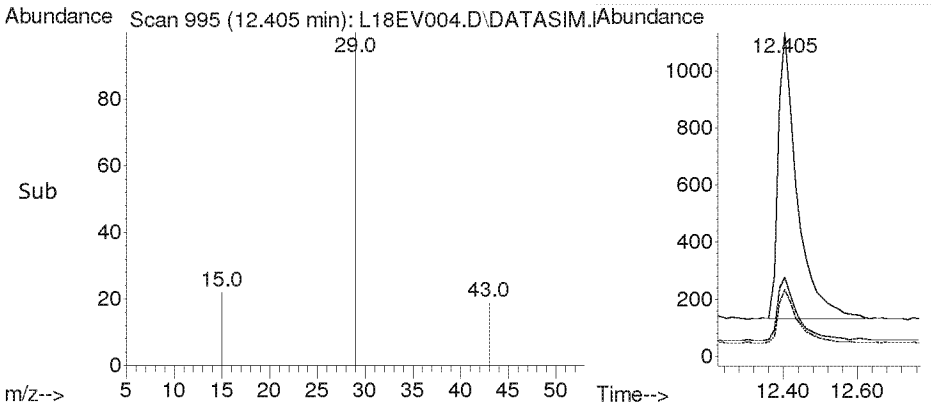




#2
Ethylene Oxide
Concen: 5.020 ppbv m
RT: 12.405 min Scan# 995
Delta R.T. -0.072 min
Lab File: L18EV004.D
Acq: 22 May 2018 6:34 pm

Tgt Ion: 29 Resp: 3556

Ion	Ratio	Lower	Upper
29	100		
15	22.9	20.4	30.6
43	19.2	16.2	24.4



Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV005.D
Acq On : 22 May 2018 7:35 pm
Operator : MAH
Sample : 8051813-12
Misc : WBIL C2 5/16/18,125ML INJECTION
ALS Vial : 5 Sample Multiplier: 2

Quant Time: May 23 08:13:21 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	33487	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	82769	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	50113	4.7000 ppbv	0.00

System Monitoring Compounds

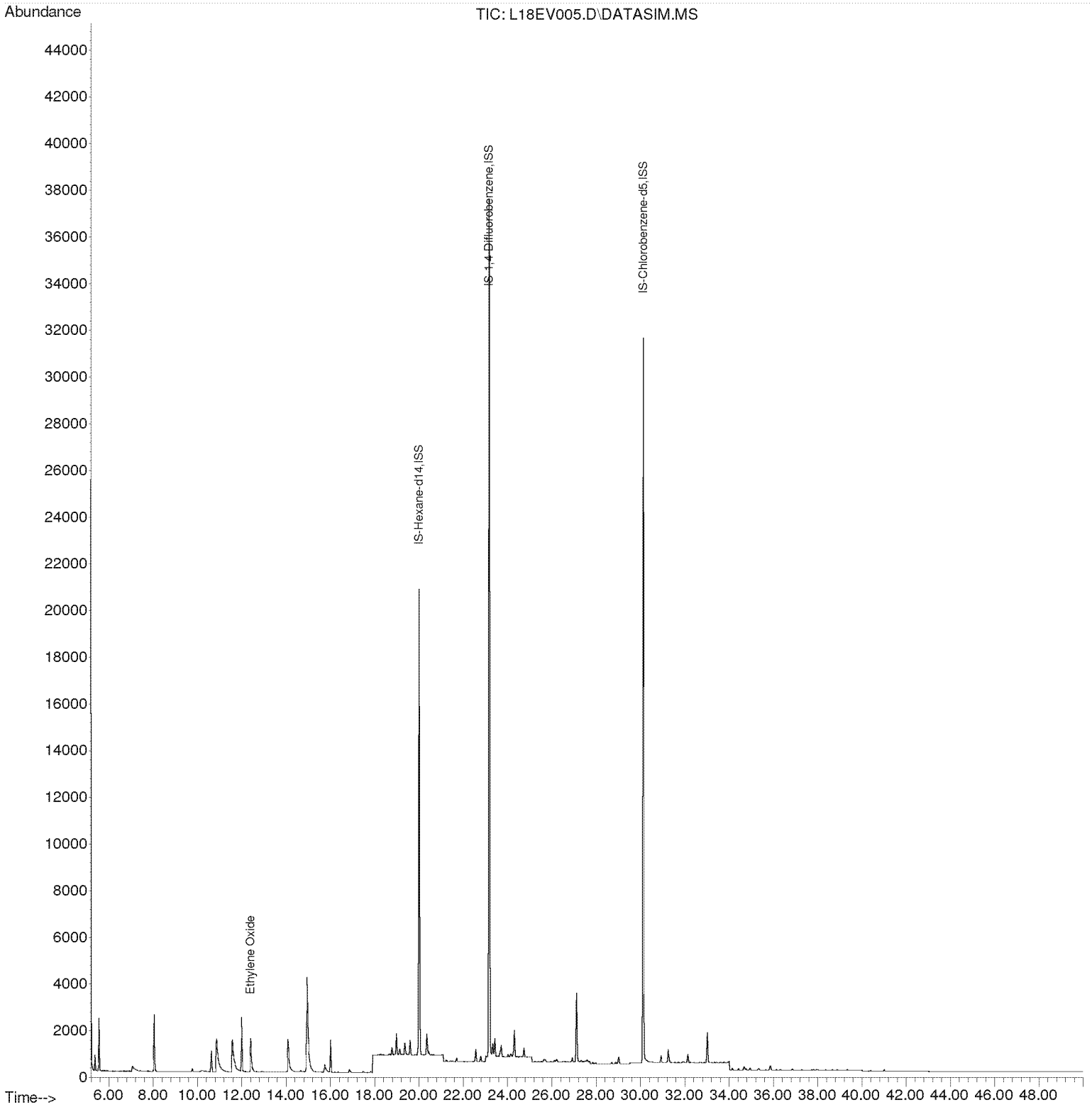
Target Compounds					Qvalue
2) Ethylene Oxide	12.405	29	3661m	4.5966 ppbv	

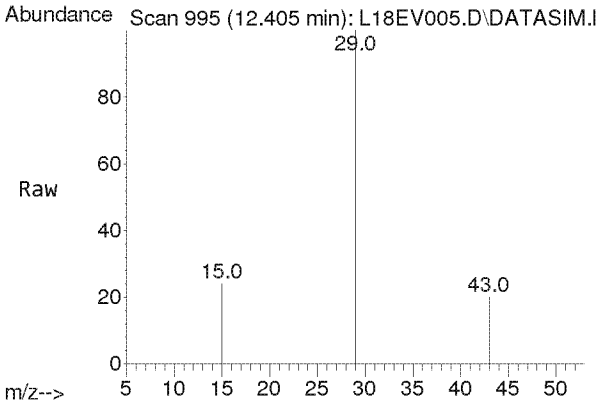
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV005.D
Acq On : 22 May 2018 7:35 pm
Operator : MAH
Sample : 8051813-12
Misc : WBIL C2 5/16/18,125ML INJECTION
ALS Vial : 5 Sample Multiplier: 2

Quant Time: May 23 08:13:21 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

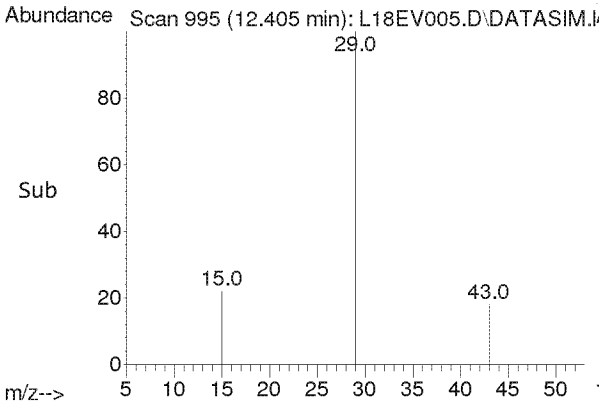


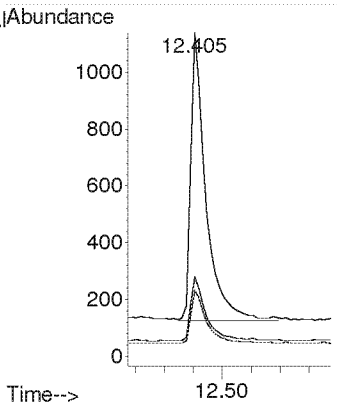


#2
Ethylene Oxide
Concen: 4.597 ppbv m
RT: 12.405 min Scan# 995
Delta R.T. -0.072 min
Lab File: L18EV005.D
Acq: 22 May 2018 7:35 pm

Tgt Ion: 29 Resp: 3661

Ion	Ratio	Lower	Upper
29	100		
15	22.0	20.4	30.6
43	18.4	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV006.D
Acq On : 22 May 2018 8:36 pm
Operator : MAH
Sample : B8E2105-DUP5
Misc : WBIL R1 5/16/18,125ML INJECTION
ALS Vial : 6 Sample Multiplier: 2

Quant Time: May 23 08:13:27 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	30077	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.184	114	73284	4.9300 ppbv	0.02
4) IS-Chlorobenzene-d5	30.133	117	43565	4.7000 ppbv	0.00

System Monitoring Compounds

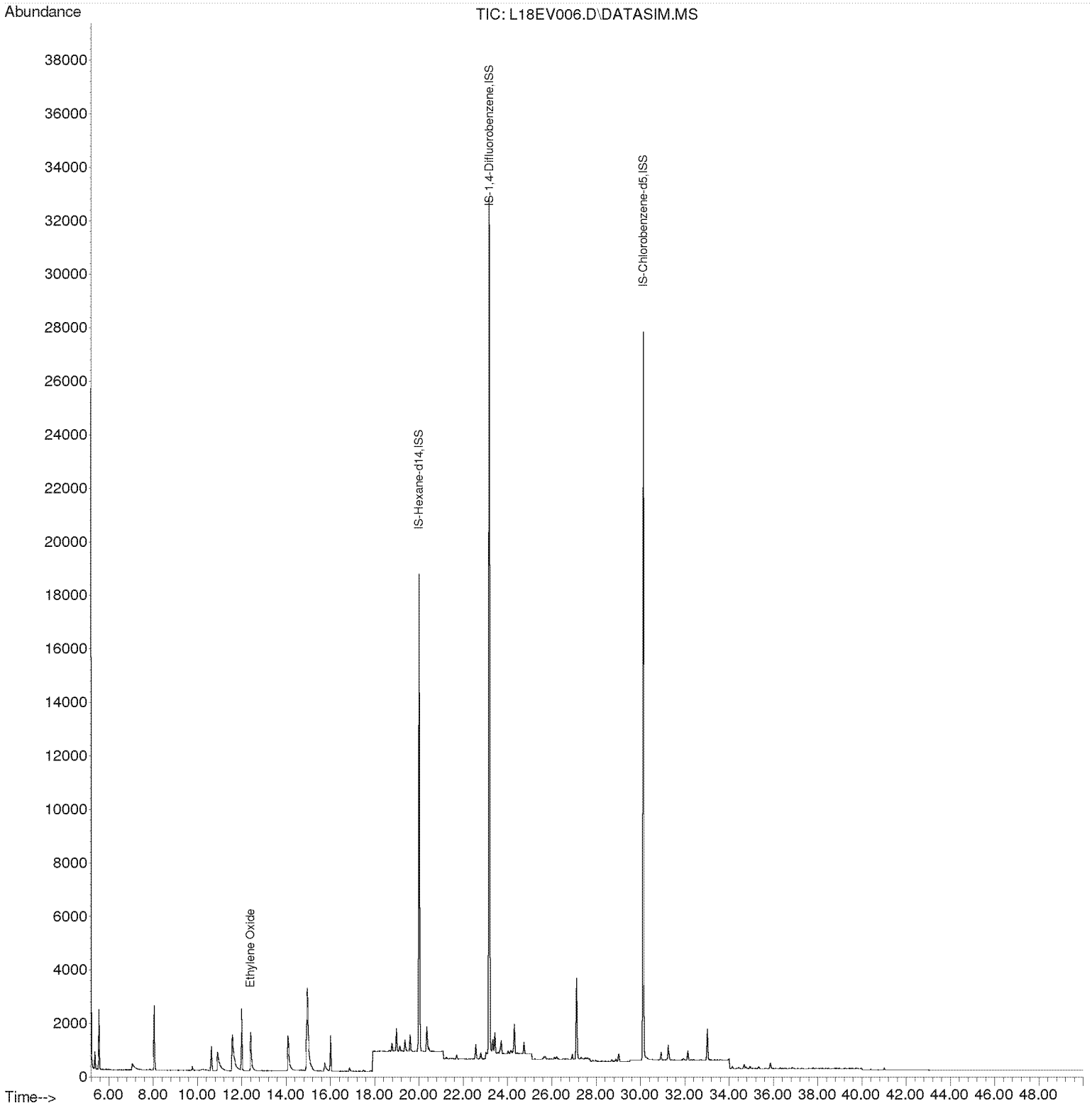
Target Compounds					Qvalue
2) Ethylene Oxide	12.405	29	3710	5.1863 ppbv	96

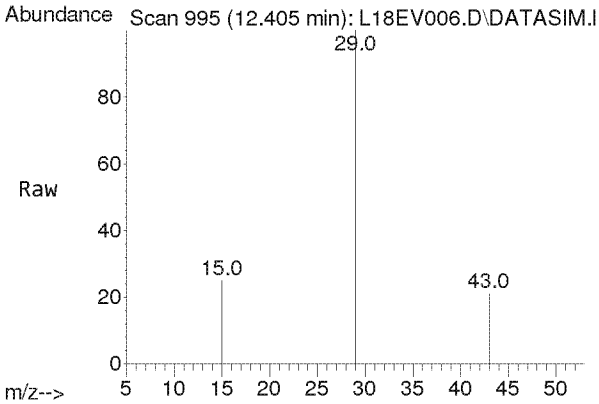
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV006.D
Acq On : 22 May 2018 8:36 pm
Operator : MAH
Sample : B8E2105-DUP5
Misc : WBIL R1 5/16/18,125ML INJECTION
ALS Vial : 6 Sample Multiplier: 2

Quant Time: May 23 08:13:27 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

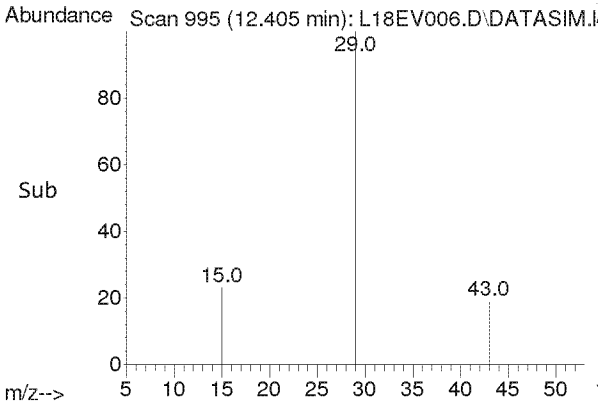


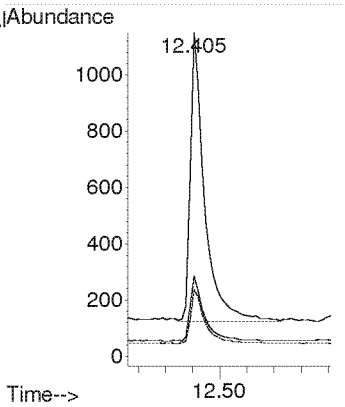


#2
Ethylene Oxide
Concen: 5.186 ppbv
RT: 12.405 min Scan# 995
Delta R.T. -0.072 min
Lab File: L18EV006.D
Acq: 22 May 2018 8:36 pm

Tgt Ion: 29 Resp: 3710

Ion	Ratio	Lower	Upper
29	100		
15	22.8	20.4	30.6
43	18.8	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV007.D
Acq On : 22 May 2018 9:37 pm
Operator : MAH
Sample : B8E2105-DUP6
Misc : WBIL R2 5/16/18,125ML INJECTION
ALS Vial : 7 Sample Multiplier: 2

Quant Time: May 23 08:13:33 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	31395	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.184	114	77851	4.9300 ppbv	0.02
4) IS-Chlorobenzene-d5	30.133	117	45274	4.7000 ppbv	0.00

System Monitoring Compounds

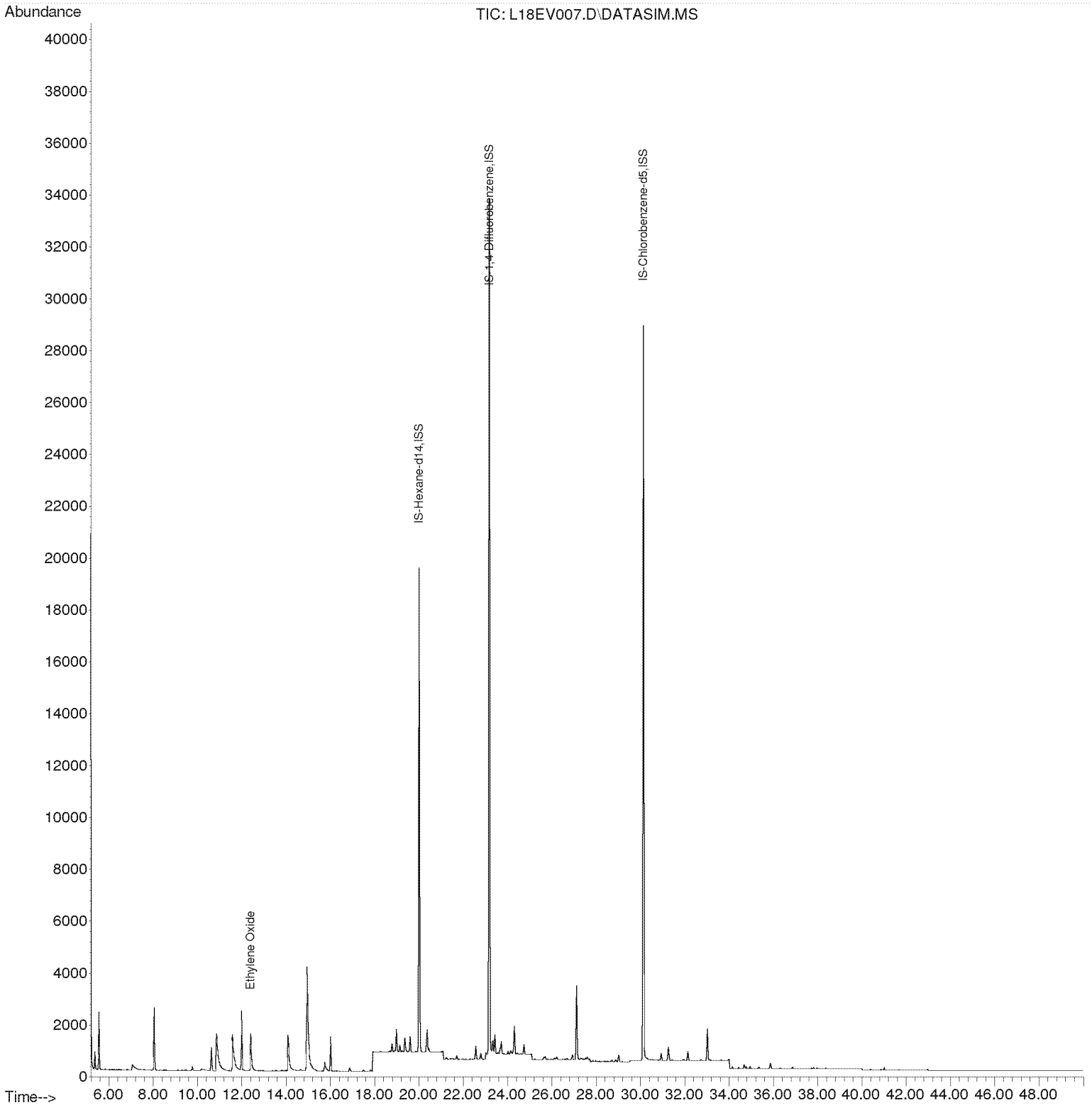
Target Compounds					Qvalue
2) Ethylene Oxide	12.405	29	3527m	4.7235 ppbv	

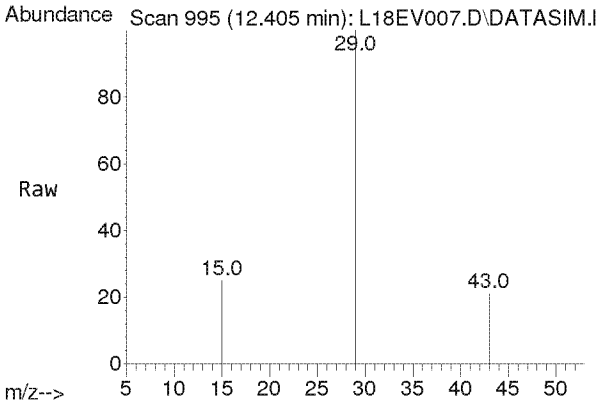
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV007.D
Acq On : 22 May 2018 9:37 pm
Operator : MAH
Sample : B8E2105-DUP6
Misc : WBIL R2 5/16/18,125ML INJECTION
ALS Vial : 7 Sample Multiplier: 2

Quant Time: May 23 08:13:33 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

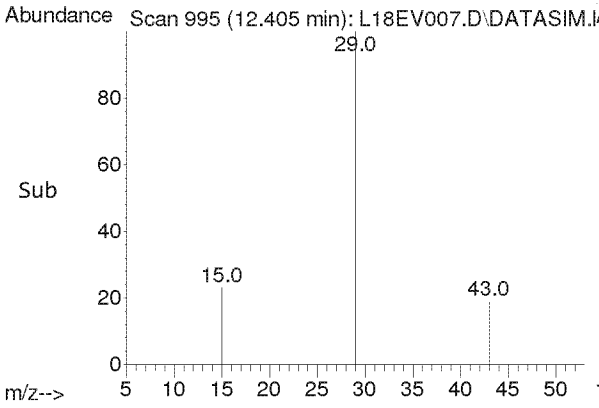


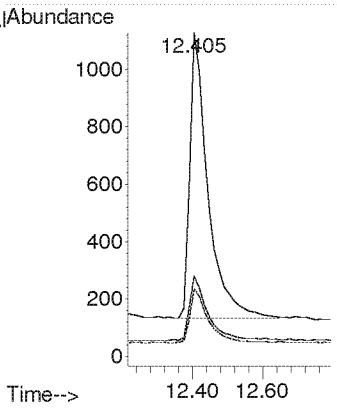


#2
Ethylene Oxide
Concen: 4.723 ppbv m
RT: 12.405 min Scan# 995
Delta R.T. -0.072 min
Lab File: L18EV007.D
Acq: 22 May 2018 9:37 pm

Tgt Ion: 29 Resp: 3527

Ion	Ratio	Lower	Upper
29	100		
15	23.4	20.4	30.6
43	19.1	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV008.D
Acq On : 22 May 2018 10:39 pm
Operator : MAH
Sample : 8051813-16
Misc : WBIL 5/17/18
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 23 08:13:39 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	32227	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	80005	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	47945	4.7000 ppbv	0.00

System Monitoring Compounds

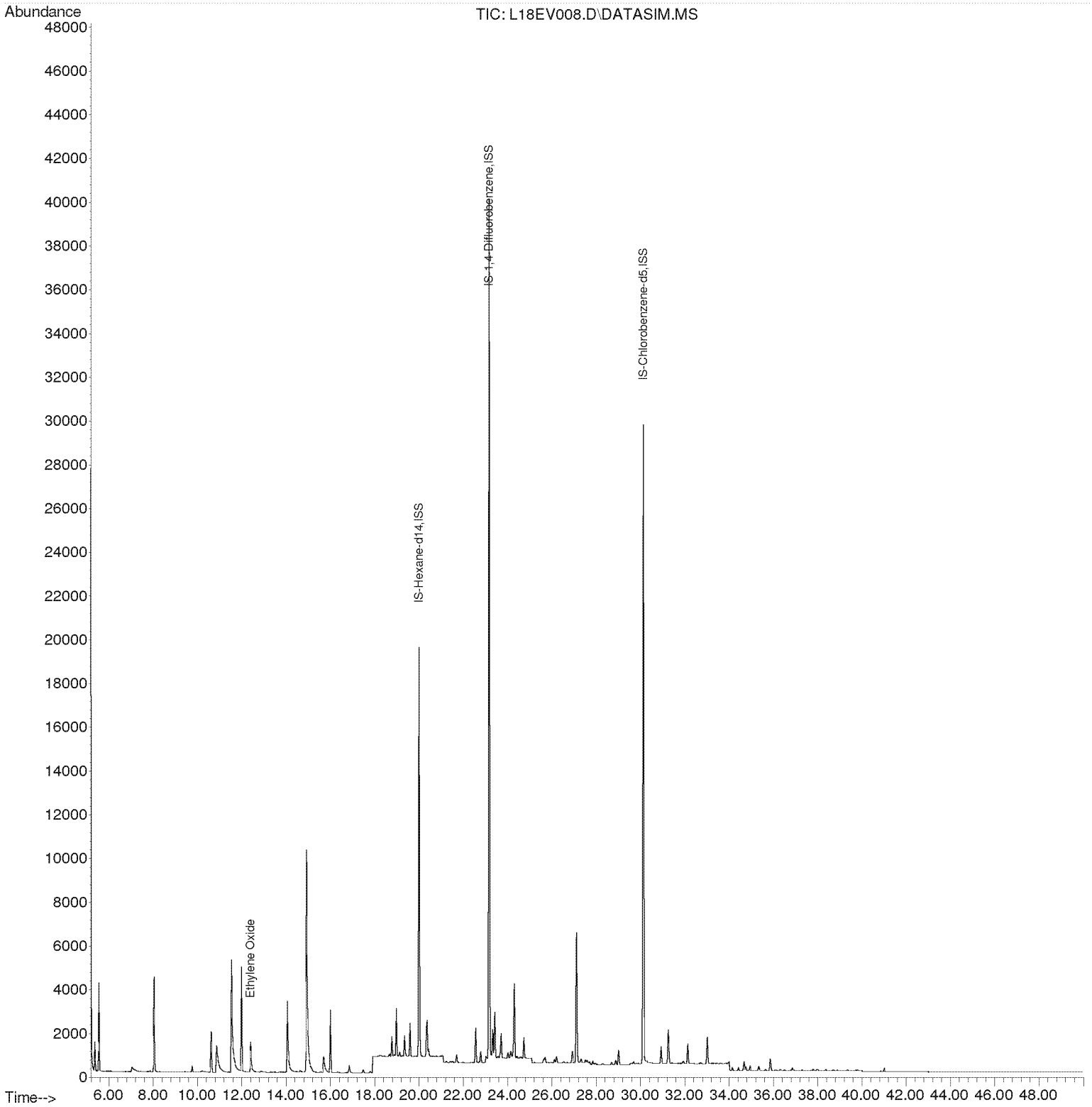
Target Compounds					Qvalue
2) Ethylene Oxide	12.405	29	3275m	2.1364 ppbv	

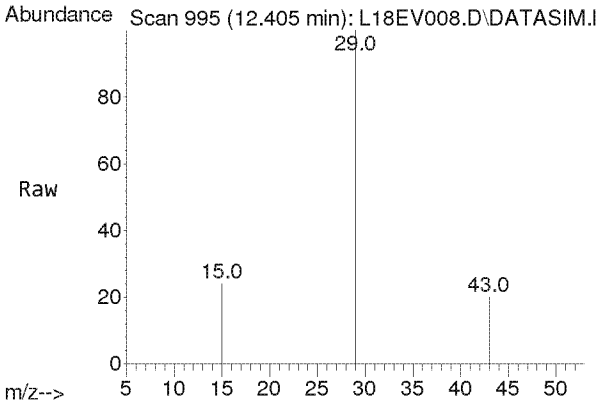
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV008.D
Acq On : 22 May 2018 10:39 pm
Operator : MAH
Sample : 8051813-16
Misc : WBIL 5/17/18
ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 23 08:13:39 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

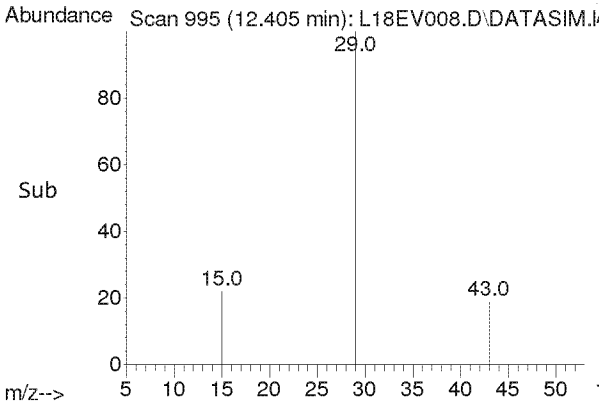


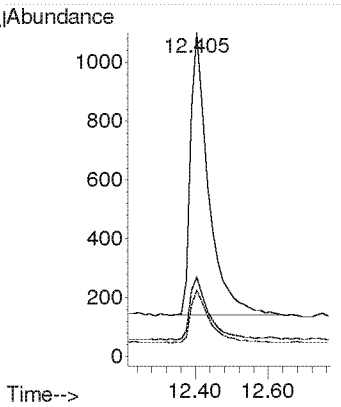


#2
Ethylene Oxide
Concen: 2.136 ppbv m
RT: 12.405 min Scan# 995
Delta R.T. -0.072 min
Lab File: L18EV008.D
Acq: 22 May 2018 10:39 pm

Tgt Ion: 29 Resp: 3275

Ion	Ratio	Lower	Upper
29	100		
15	24.1	20.4	30.6
43	19.6	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV009.D
Acq On : 22 May 2018 11:42 pm
Operator : MAH
Sample : 8051813-17
Misc : WBIL 5/16/18
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 23 08:13:45 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	30605	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	74725	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	43568	4.7000 ppbv	0.00

System Monitoring Compounds

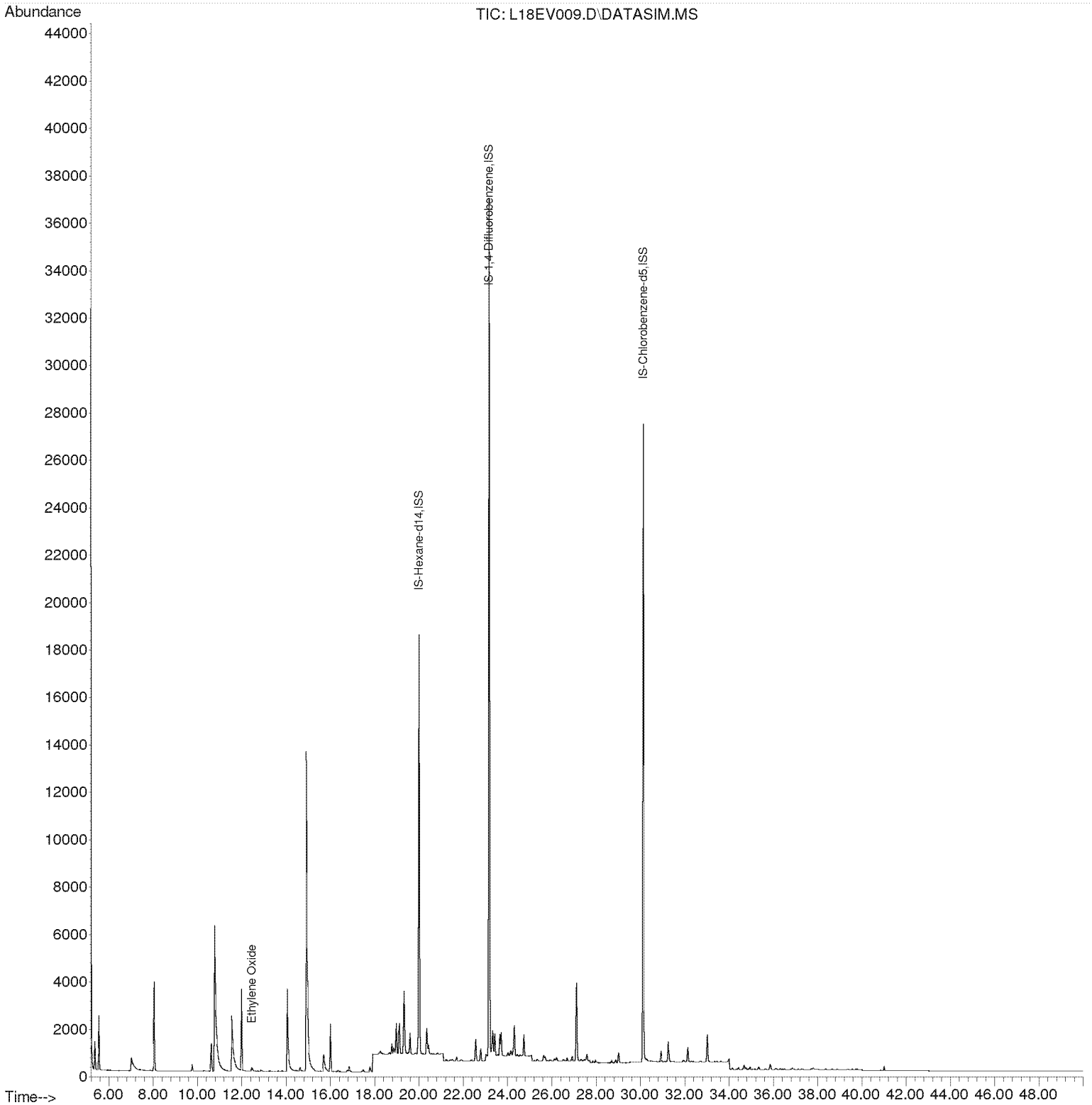
Target Compounds					Qvalue
2) Ethylene Oxide	12.463	29	373m	0.2562 ppbv	

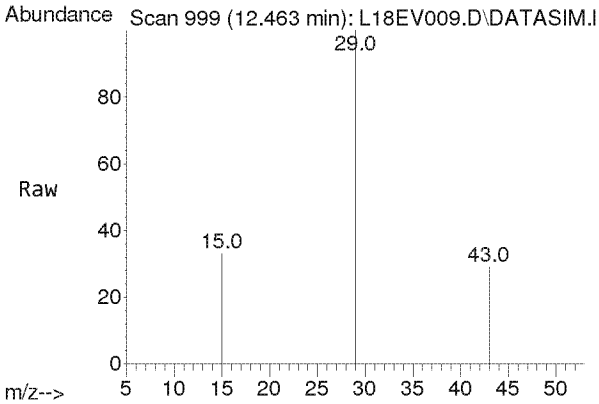
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV009.D
Acq On : 22 May 2018 11:42 pm
Operator : MAH
Sample : 8051813-17
Misc : WBIL 5/16/18
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 23 08:13:45 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

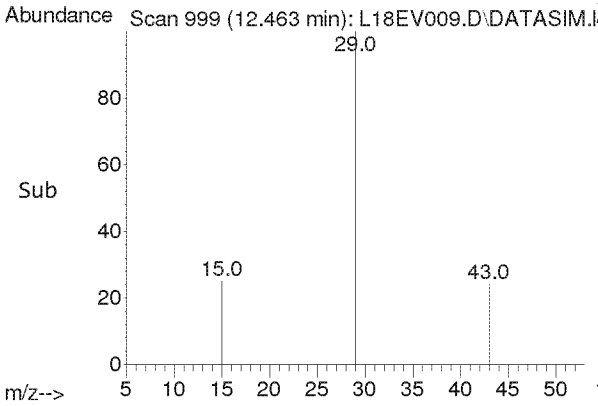


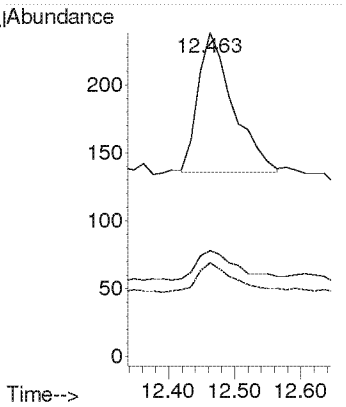


#2
Ethylene Oxide
Concen: 0.256 ppbv m
RT: 12.463 min Scan# 999
Delta R.T. -0.014 min
Lab File: L18EV009.D
Acq: 22 May 2018 11:42 pm

Tgt Ion: 29 Resp: 373

Ion	Ratio	Lower	Upper
29	100		
15	29.8	20.4	30.6
43	26.8	16.2	24.4#





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV010.D
Acq On : 23 May 2018 12:45 am
Operator : MAH
Sample : 8052134-01
Misc : WBIL 5/17/18
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 23 08:13:51 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	32624	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	79345	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	46342	4.7000 ppbv	0.00

System Monitoring Compounds

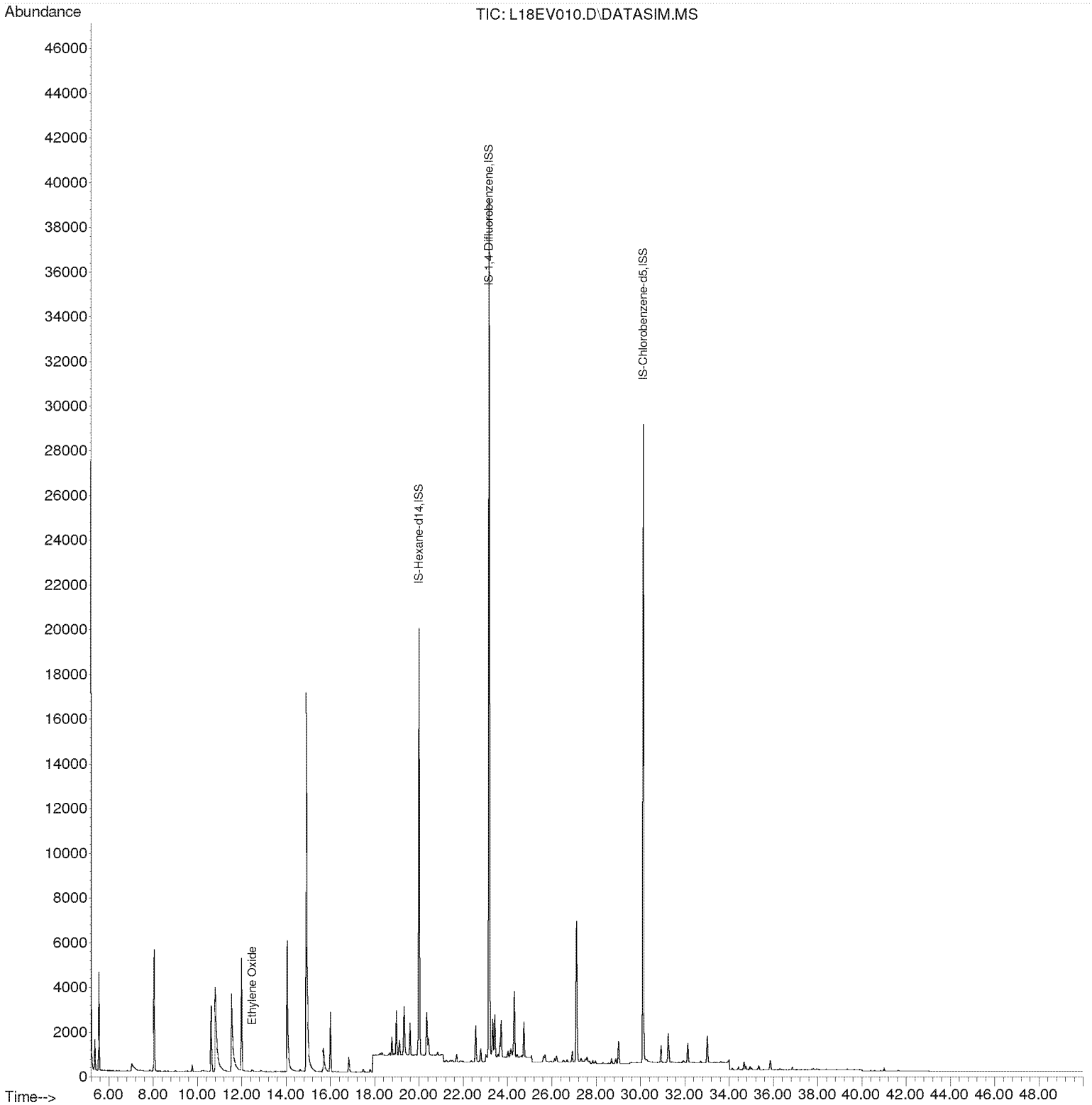
Target Compounds					Qvalue
2) Ethylene Oxide	12.477	29	250	0.1611 ppbv #	89

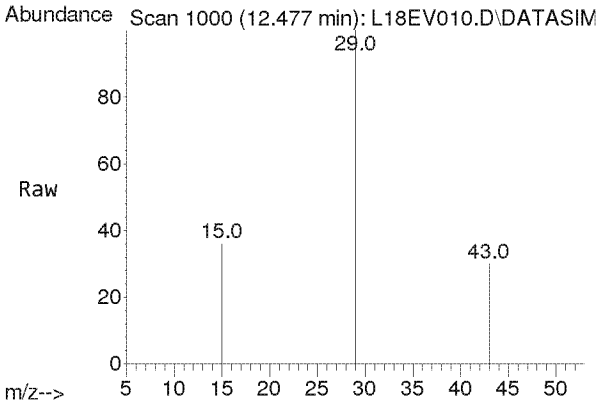
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV010.D
Acq On : 23 May 2018 12:45 am
Operator : MAH
Sample : 8052134-01
Misc : WBIL 5/17/18
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 23 08:13:51 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

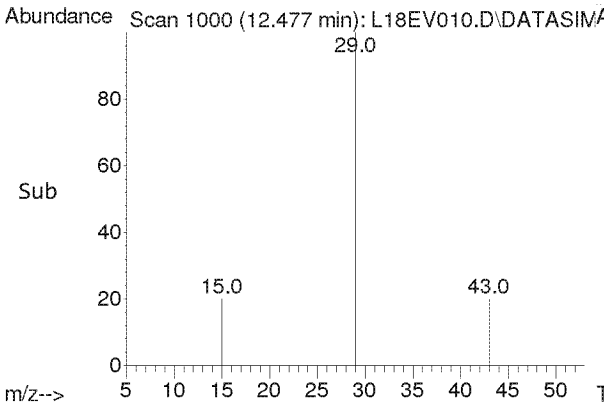


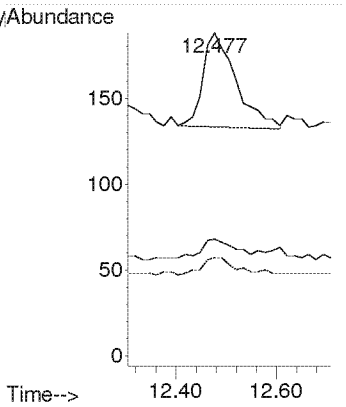


#2
Ethylene Oxide
Concen: 0.161 ppbv
RT: 12.477 min Scan# 1000
Delta R.T. 0.000 min
Lab File: L18EV010.D
Acq: 23 May 2018 12:45 am

Tgt Ion: 29 Resp: 250

Ion	Ratio	Lower	Upper
29	100		
15	34.0	20.4	30.6#
43	22.4	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV011.D
Acq On : 23 May 2018 1:47 am
Operator : MAH
Sample : 8052134-02
Misc : WBIL 5/17/18
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 23 08:13:58 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	32405	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	78441	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	46489	4.7000 ppbv	0.00

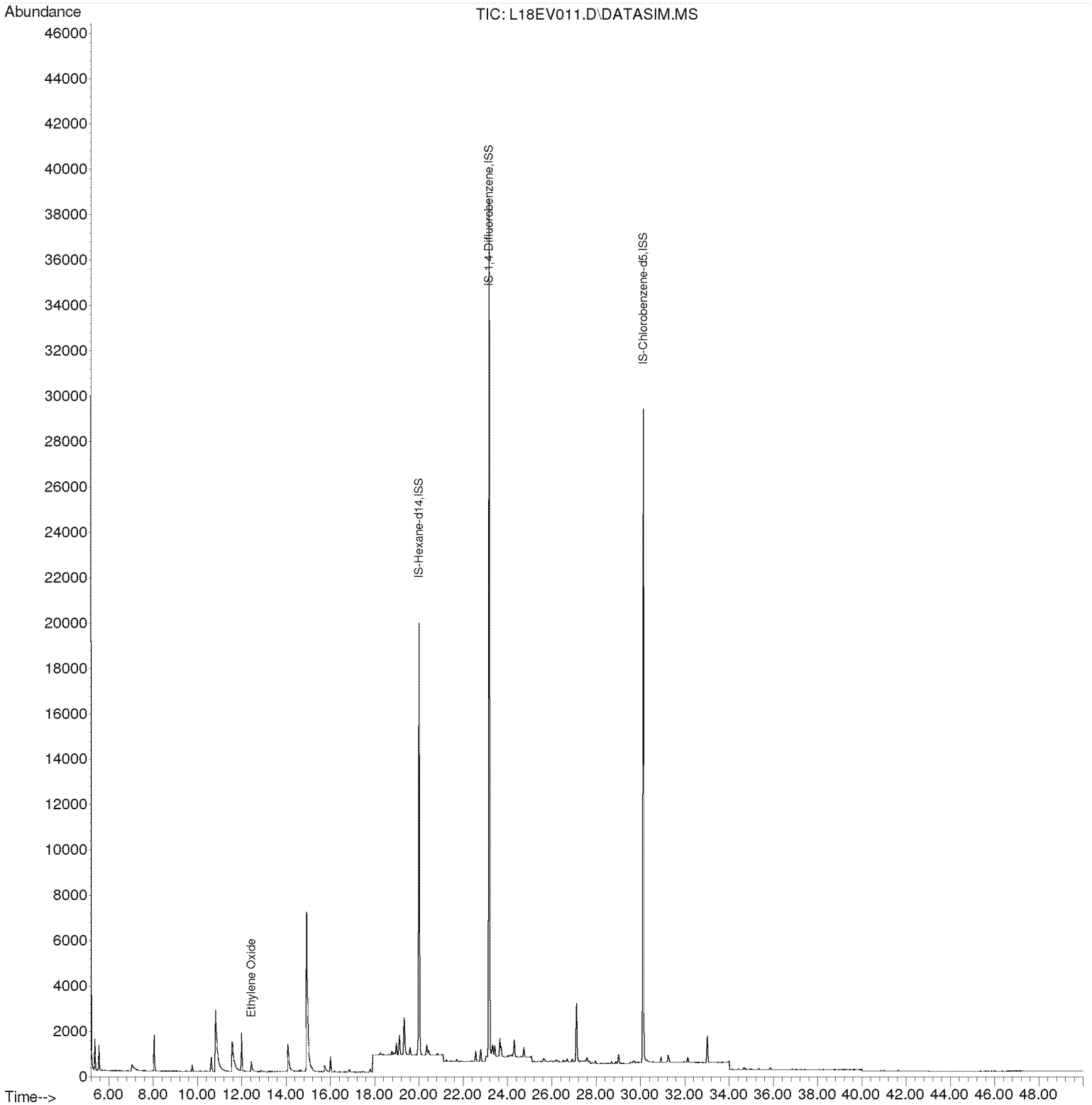
System Monitoring Compounds

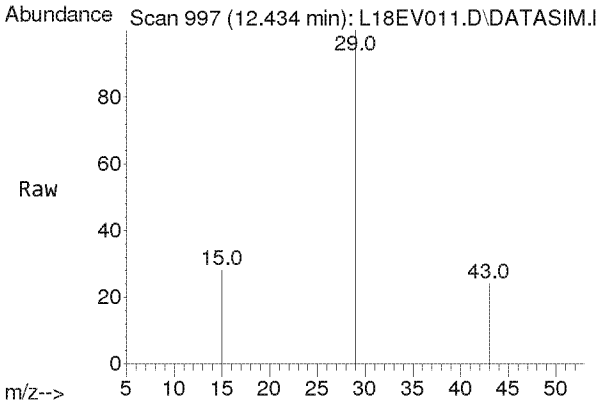
Target Compounds					Qvalue
2) Ethylene Oxide	12.434	29	1139	0.7389 ppbv	97

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

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV011.D
Acq On : 23 May 2018 1:47 am
Operator : MAH
Sample : 8052134-02
Misc : WBIL 5/17/18
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 23 08:13:58 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

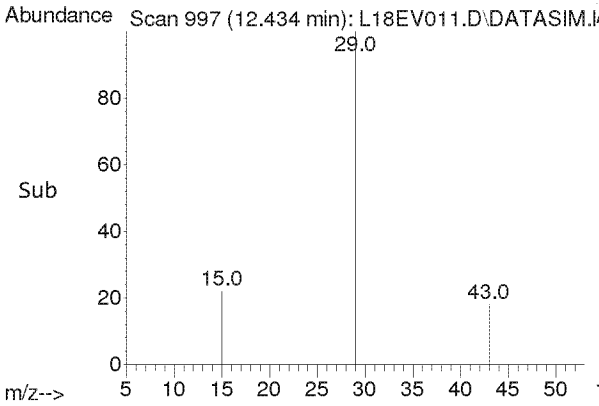


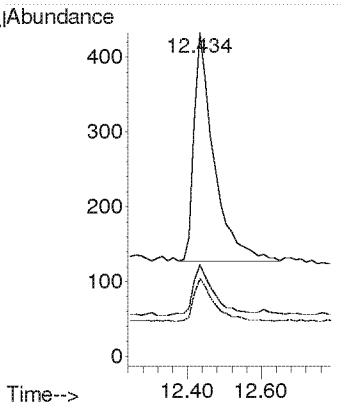


#2
Ethylene Oxide
Concen: 0.739 ppbv
RT: 12.434 min Scan# 997
Delta R.T. -0.043 min
Lab File: L18EV011.D
Acq: 23 May 2018 1:47 am

Tgt Ion: 29 Resp: 1139

Ion	Ratio	Lower	Upper
29	100		
15	24.5	20.4	30.6
43	18.6	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV012.D
Acq On : 23 May 2018 2:49 am
Operator : MAH
Sample : 8052134-03
Misc : WBIL 5/17/18
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 08:14:07 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	31105	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	74947	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	45321	4.7000 ppbv	0.00

System Monitoring Compounds

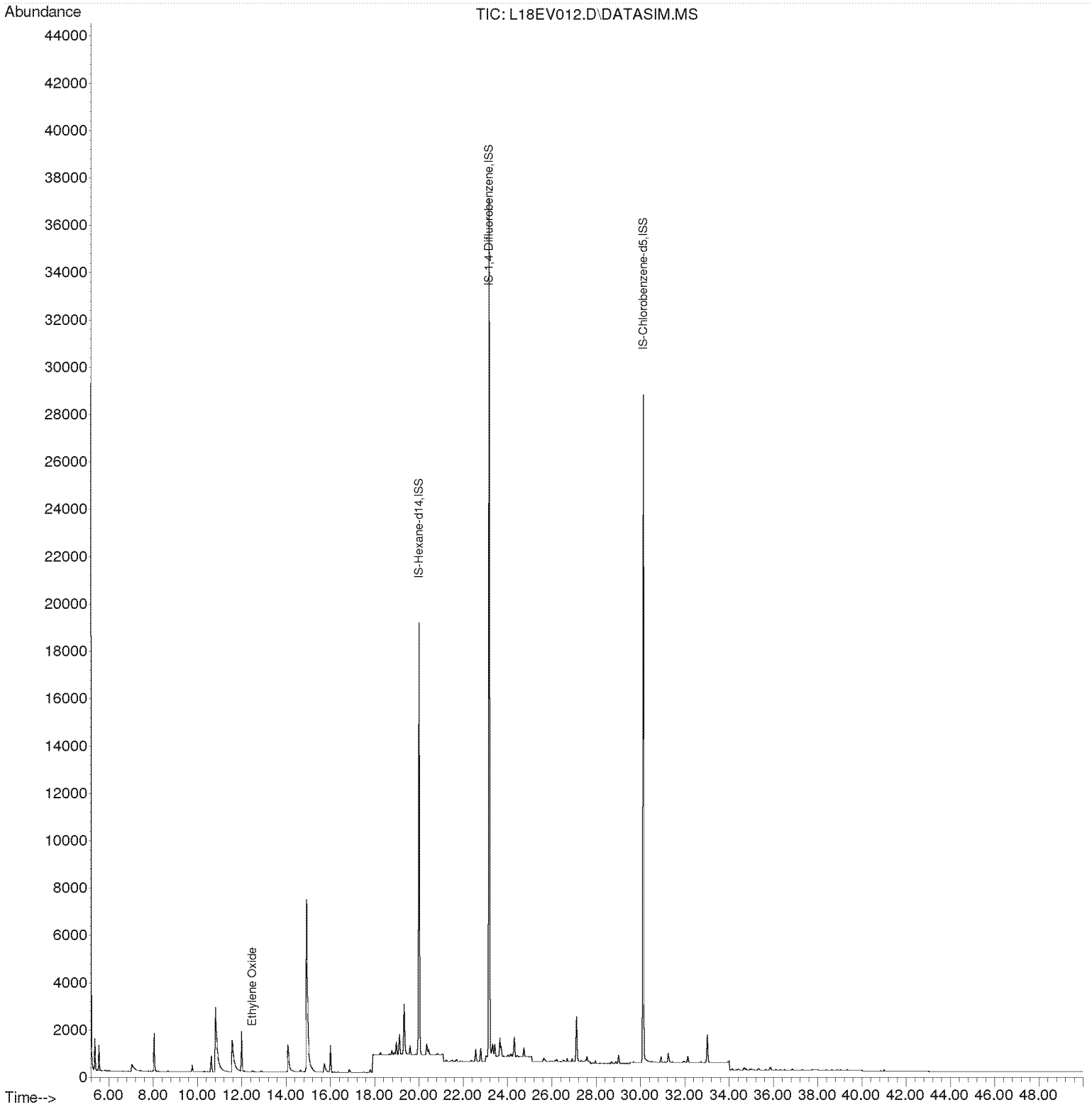
Target Compounds					Qvalue
2) Ethylene Oxide	12.477	29	168m	0.1135 ppbv	

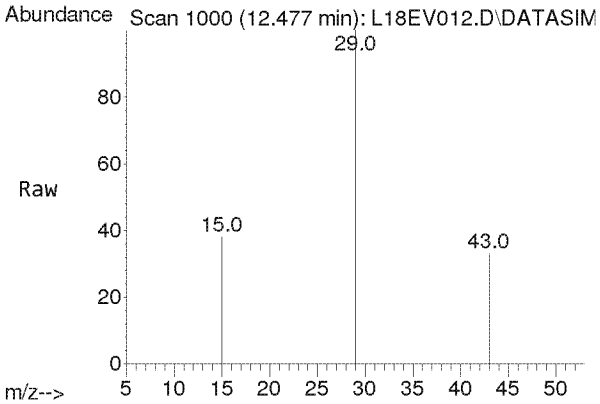
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV012.D
Acq On : 23 May 2018 2:49 am
Operator : MAH
Sample : 8052134-03
Misc : WBIL 5/17/18
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 08:14:07 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

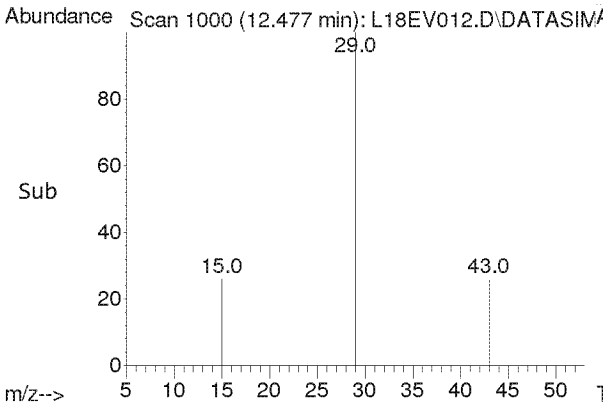


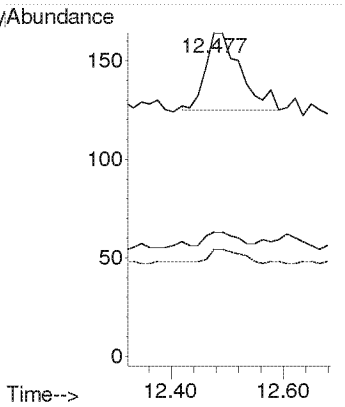


#2
Ethylene Oxide
Concen: 0.114 ppbv m
RT: 12.477 min Scan# 1000
Delta R.T. 0.000 min
Lab File: L18EV012.D
Acq: 23 May 2018 2:49 am

Tgt Ion: 29 Resp: 168

Ion	Ratio	Lower	Upper
29	100		
15	45.2	20.4	30.6#
43	0.0	16.2	24.4#





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV013.D
Acq On : 23 May 2018 3:52 am
Operator : MAH
Sample : 8052134-04
Misc : WBIL 5/17/18
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 23 08:14:13 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	30224	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	73303	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	43359	4.7000 ppbv	0.00

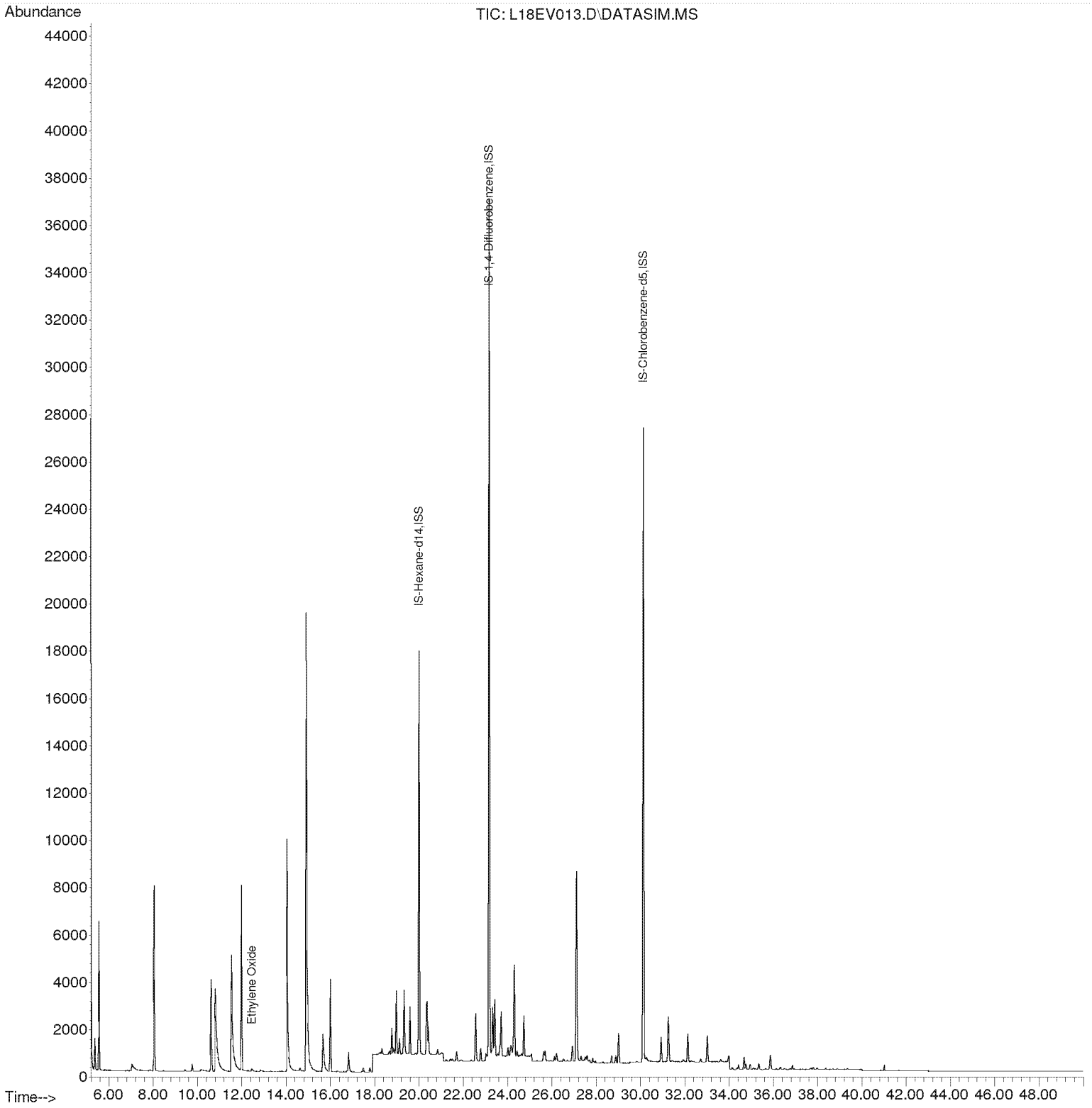
System Monitoring Compounds

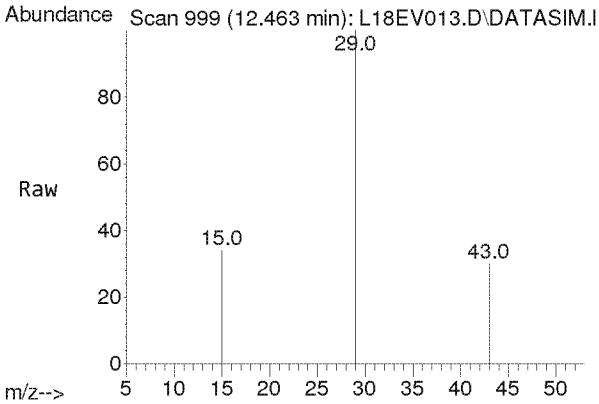
Target Compounds					Qvalue
2) Ethylene Oxide	12.463	29	269m	0.1871 ppbv	

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

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV013.D
Acq On : 23 May 2018 3:52 am
Operator : MAH
Sample : 8052134-04
Misc : WBIL 5/17/18
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 23 08:14:13 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

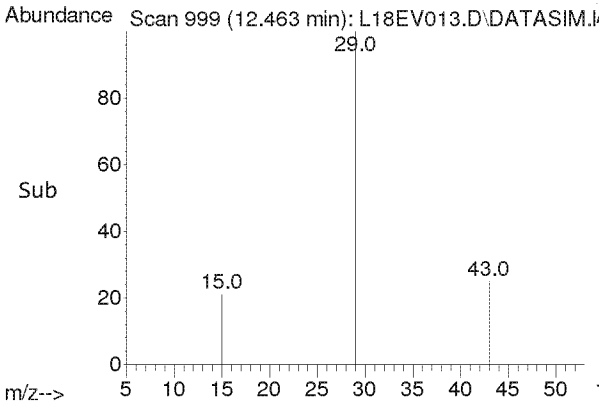


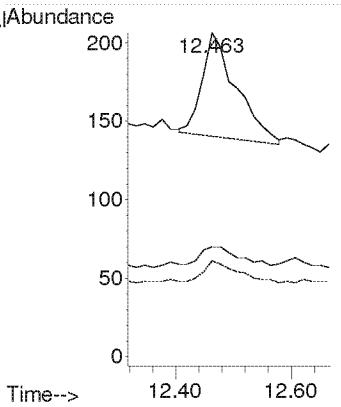


#2
Ethylene Oxide
Concen: 0.187 ppbv m
RT: 12.463 min Scan# 999
Delta R.T. -0.014 min
Lab File: L18EV013.D
Acq: 23 May 2018 3:52 am

Tgt Ion: 29 Resp: 269

Ion	Ratio	Lower	Upper
29	100		
15	25.3	20.4	30.6
43	21.2	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV014.D
Acq On : 23 May 2018 4:54 am
Operator : MAH
Sample : 8052134-05
Misc : WBIL 5/17/18
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 23 08:14:24 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	29223	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	68825	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	43749	4.7000 ppbv	0.00

System Monitoring Compounds

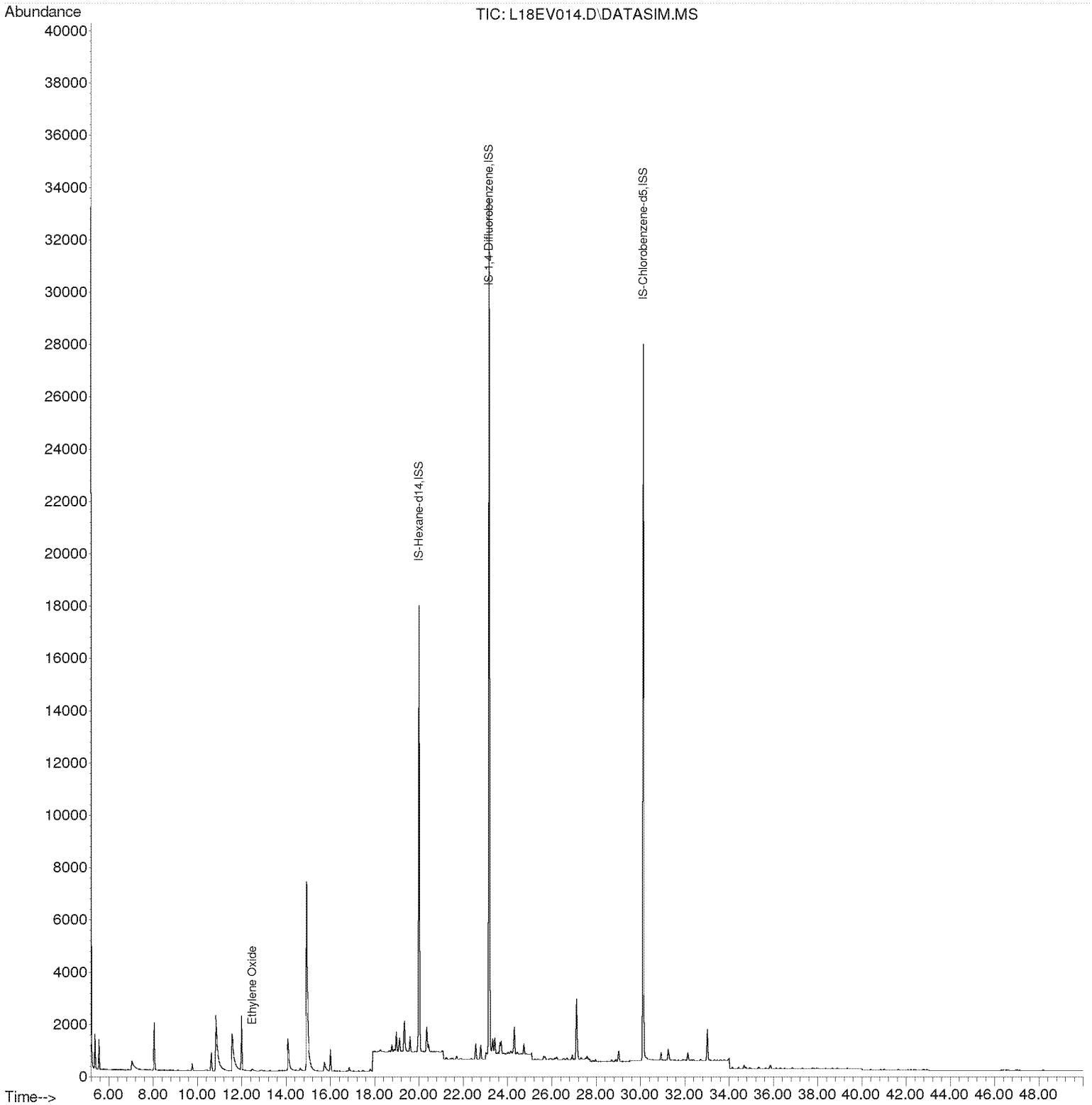
Target Compounds					Qvalue
2) Ethylene Oxide	12.477	29	186m	0.1338 ppbv	

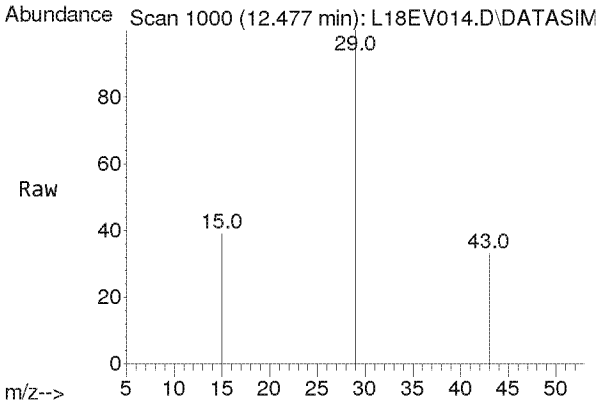
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV014.D
Acq On : 23 May 2018 4:54 am
Operator : MAH
Sample : 8052134-05
Misc : WBIL 5/17/18
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 23 08:14:24 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

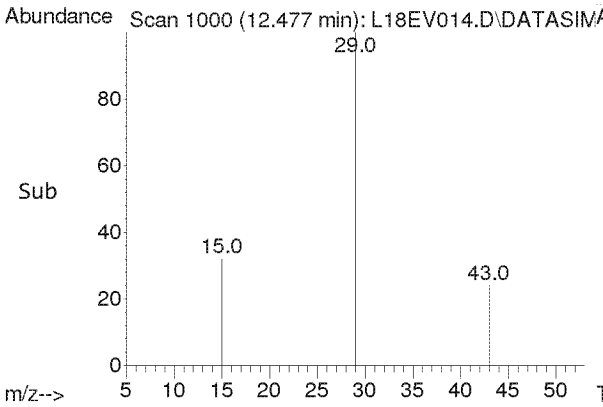


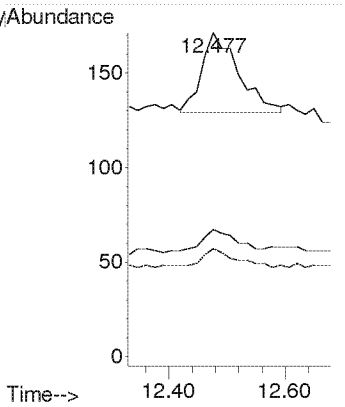


#2
Ethylene Oxide
Concen: 0.134 ppbv m
RT: 12.477 min Scan# 1000
Delta R.T. -0.000 min
Lab File: L18EV014.D
Acq: 23 May 2018 4:54 am

Tgt Ion: 29 Resp: 186

Ion	Ratio	Lower	Upper
29	100		
15	36.6	20.4	30.6#
43	23.1	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV015.D
Acq On : 23 May 2018 5:57 am
Operator : MAH
Sample : 8052134-06
Misc : WBIL 5/17/18
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 23 08:14:31 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	30072	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	72616	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	46577	4.7000 ppbv	0.00

System Monitoring Compounds

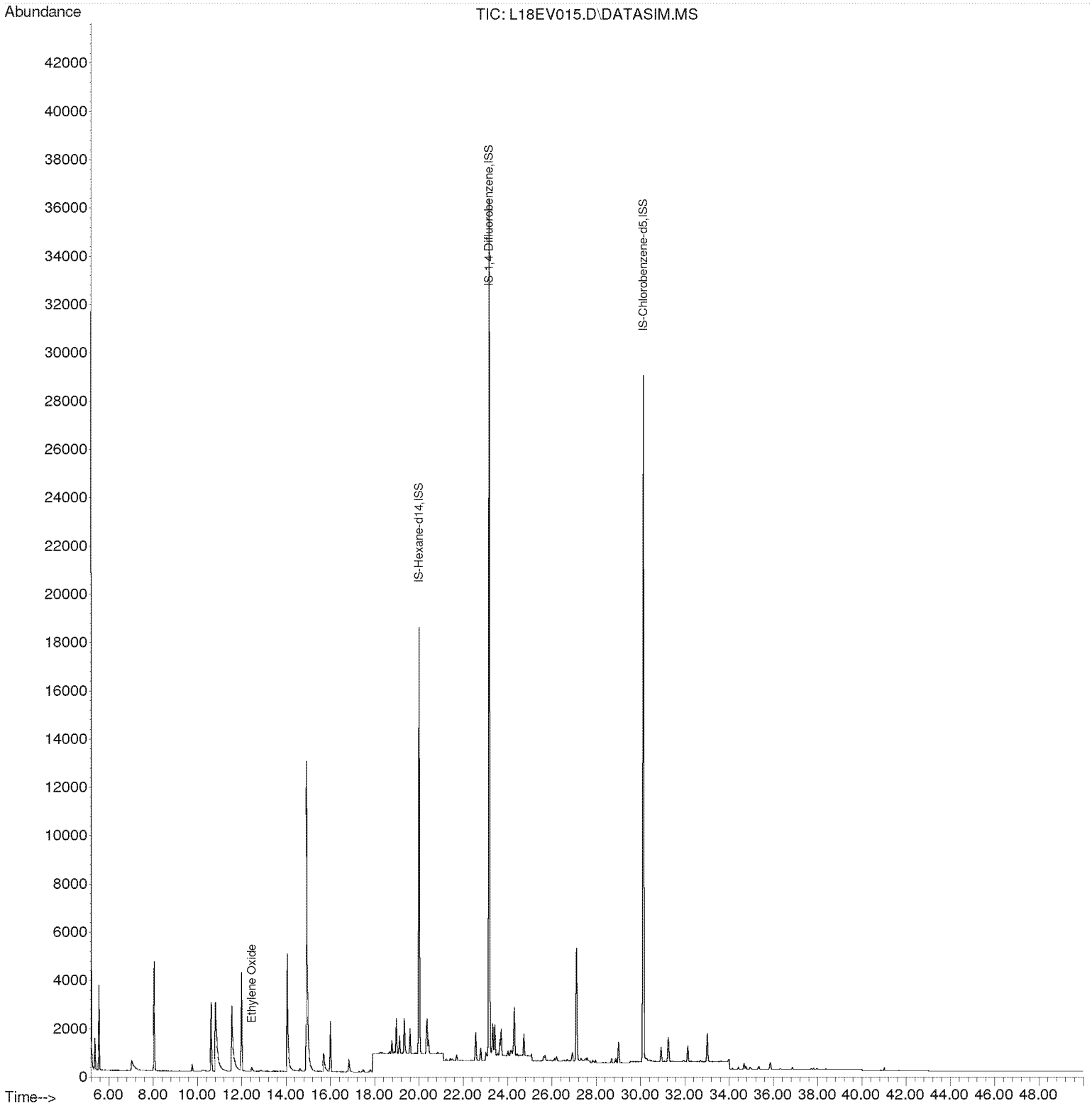
Target Compounds					Qvalue
2) Ethylene Oxide	12.463	29	390m	0.2726 ppbv	

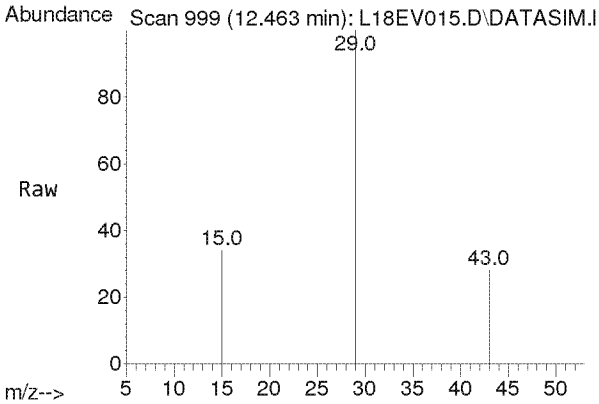
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV015.D
Acq On : 23 May 2018 5:57 am
Operator : MAH
Sample : 8052134-06
Misc : WBIL 5/17/18
ALS Vial : 15 Sample Multiplier: 1

Quant Time: May 23 08:14:31 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

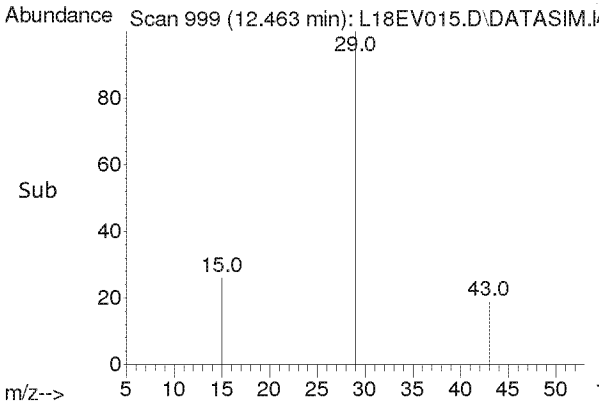


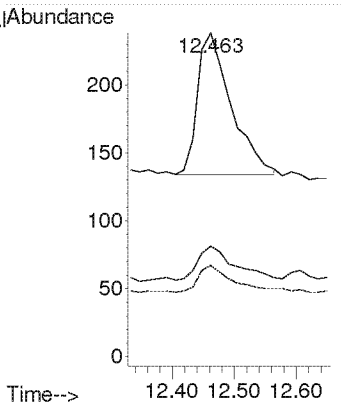


#2
Ethylene Oxide
Concen: 0.273 ppbv m
RT: 12.463 min Scan# 999
Delta R.T. -0.014 min
Lab File: L18EV015.D
Acq: 23 May 2018 5:57 am

Tgt Ion: 29 Resp: 390

Ion	Ratio	Lower	Upper
29	100		
15	30.5	20.4	30.6
43	21.0	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV016.D
Acq On : 23 May 2018 6:59 am
Operator : MAH
Sample : 8052134-07
Misc : WBIL 5/17/18
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 23 08:14:38 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	31383	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	75784	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	45921	4.7000 ppbv	0.00

System Monitoring Compounds

Target Compounds					Qvalue
2) Ethylene Oxide	12.463	29	335m	0.2244 ppbv	

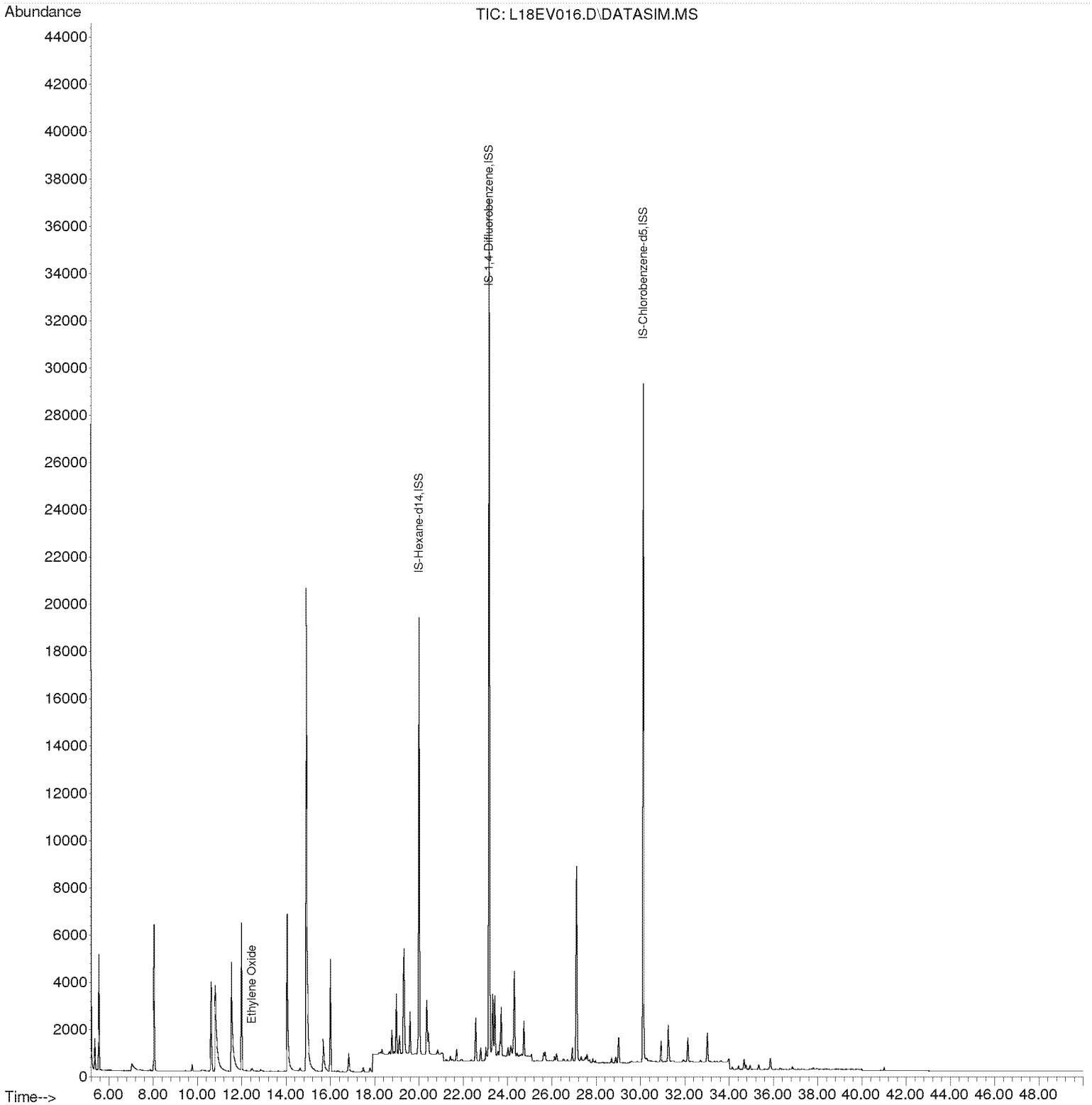
(#) = qualifier out of range (m) = manual integration (+) = signals summed

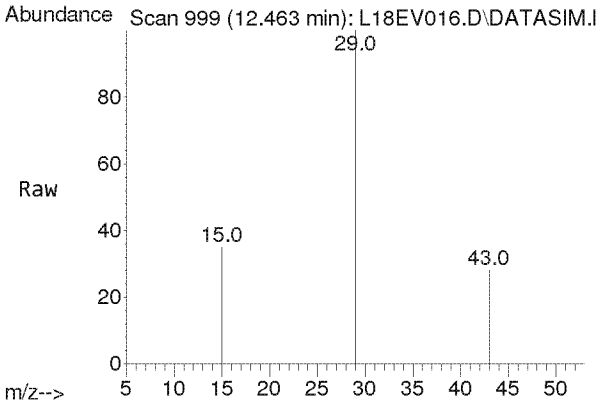
ED_002475_00000166-00051

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV016.D
Acq On : 23 May 2018 6:59 am
Operator : MAH
Sample : 8052134-07
Misc : WBIL 5/17/18
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 23 08:14:38 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

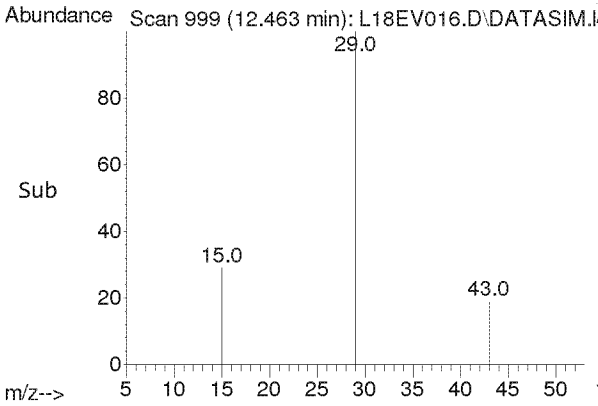


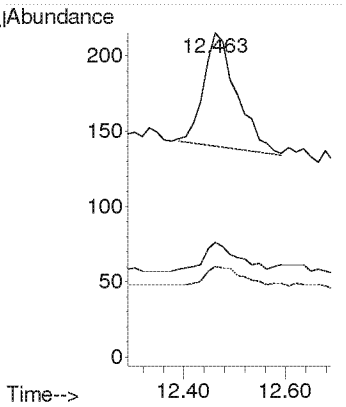


#2
Ethylene Oxide
Concen: 0.224 ppbv m
RT: 12.463 min Scan# 999
Delta R.T. -0.014 min
Lab File: L18EV016.D
Acq: 23 May 2018 6:59 am

Tgt Ion: 29 Resp: 335

Ion	Ratio	Lower	Upper
29	100		
15	30.4	20.4	30.6
43	20.0	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV017.D
Acq On : 23 May 2018 8:01 am
Operator : MAH
Sample : 8052134-08
Misc : WBIL 5/17/18
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 23 11:15:30 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	29504	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	73013	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	45005	4.7000 ppbv	0.00

System Monitoring Compounds

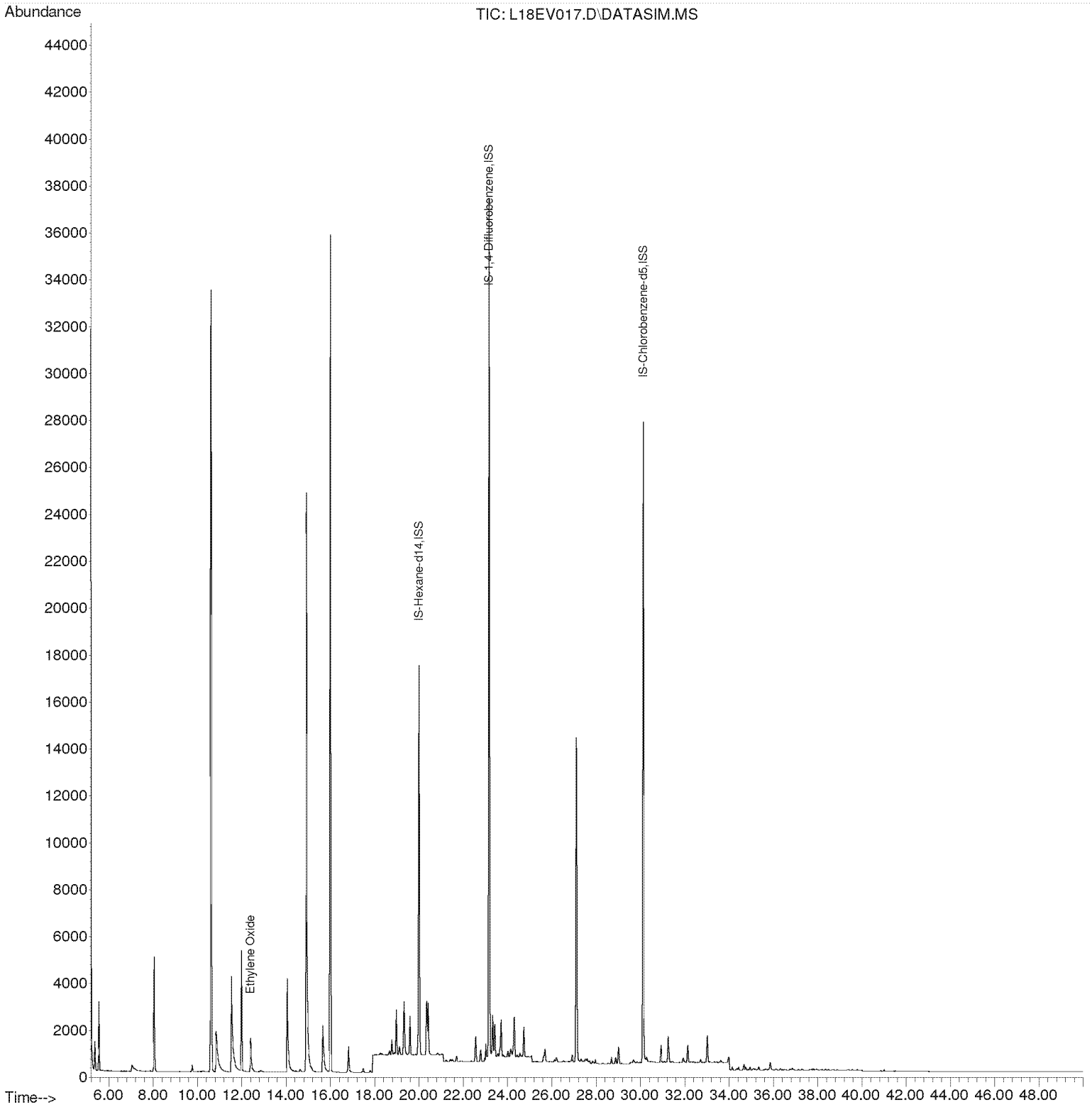
Target Compounds					Qvalue
2) Ethylene Oxide	12.405	29	3540m	2.5224 ppbv	

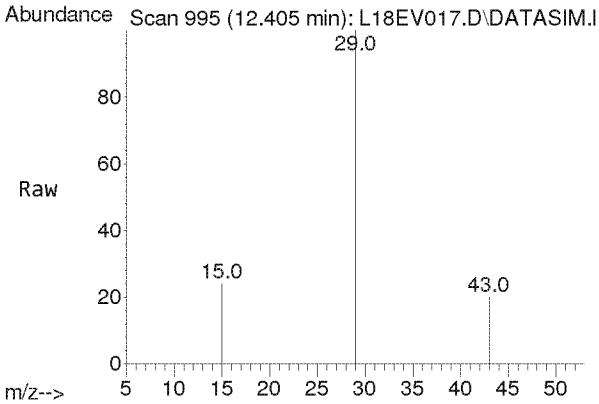
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV017.D
Acq On : 23 May 2018 8:01 am
Operator : MAH
Sample : 8052134-08
Misc : WBIL 5/17/18
ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 23 11:15:30 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

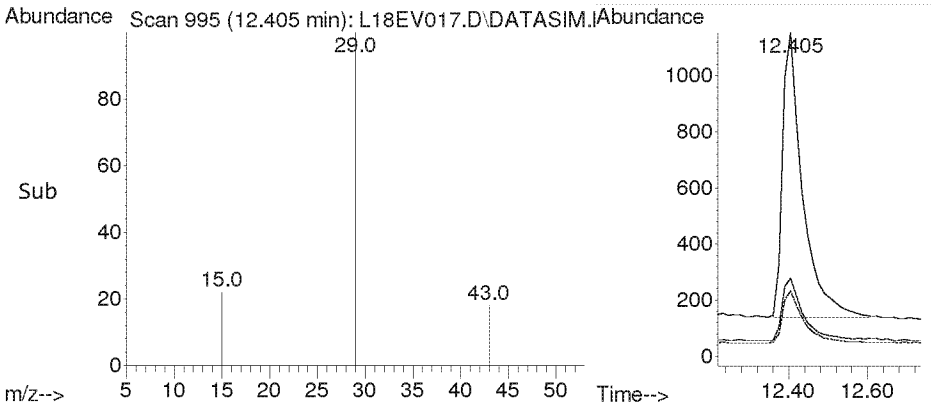




#2
Ethylene Oxide
Concen: 2.522 ppbv m
RT: 12.405 min Scan# 995
Delta R.T. -0.072 min
Lab File: L18EV017.D
Acq: 23 May 2018 8:01 am

Tgt Ion: 29 Resp: 3540

Ion	Ratio	Lower	Upper
29	100		
15	23.5	20.4	30.6
43	19.4	16.2	24.4



Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV018.D
Acq On : 23 May 2018 9:03 am
Operator : MAH
Sample : 8052134-09
Misc : WBIL C1 5/17/18
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 11:16:20 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	31510	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	76893	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	49135	4.7000 ppbv	0.00

System Monitoring Compounds

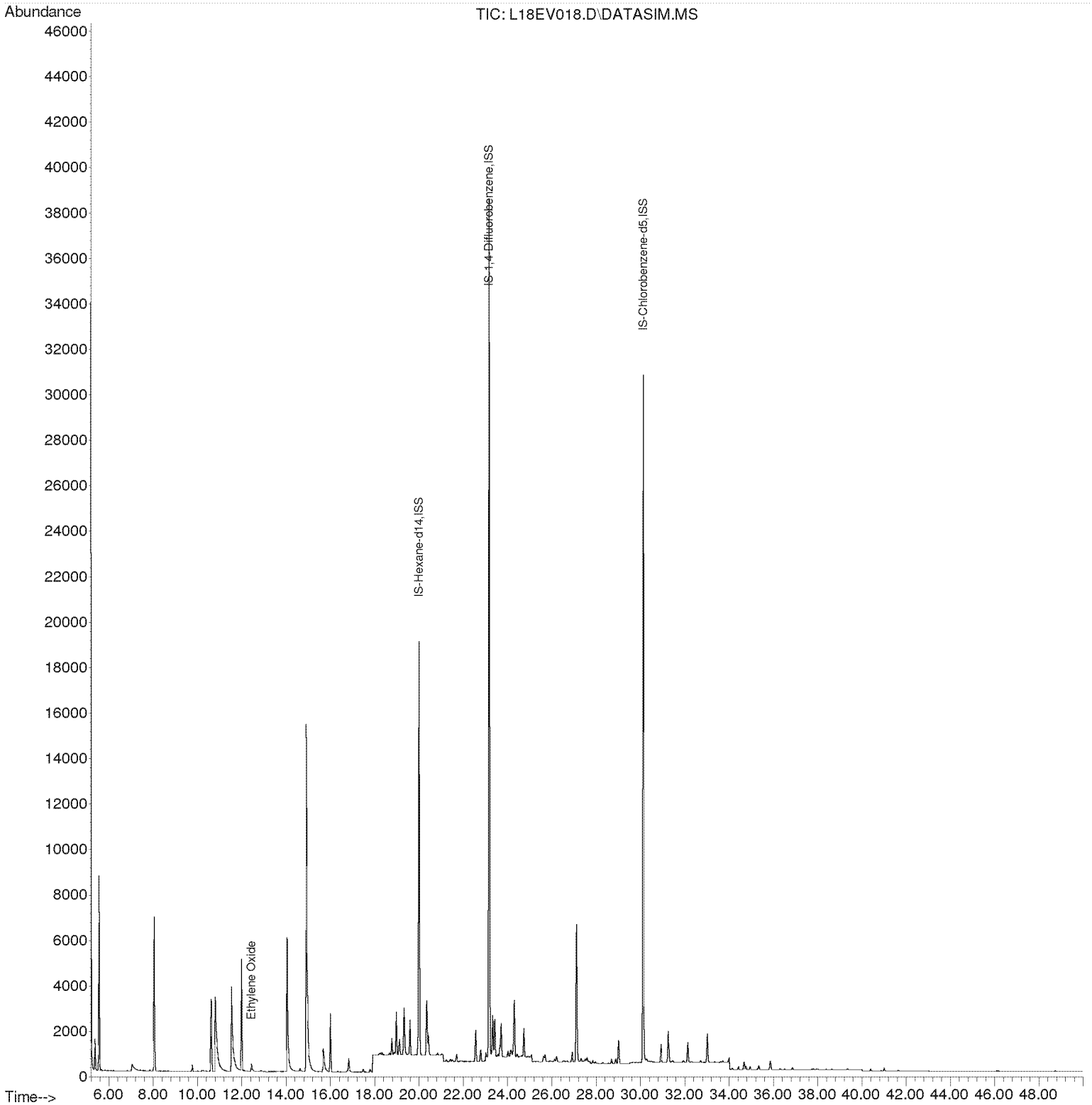
Target Compounds					Qvalue
2) Ethylene Oxide	12.434	29	846m	0.5644 ppbv	

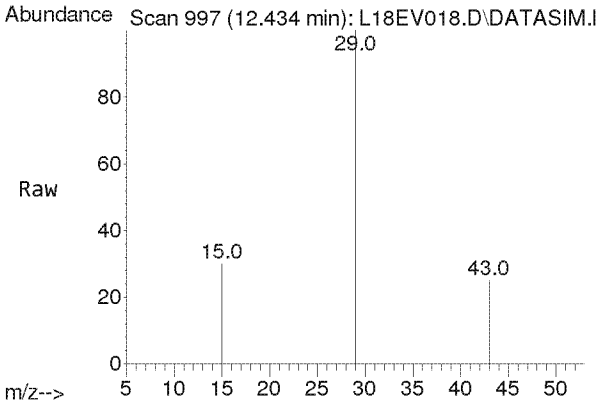
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV018.D
Acq On : 23 May 2018 9:03 am
Operator : MAH
Sample : 8052134-09
Misc : WBIL C1 5/17/18
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 11:16:20 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

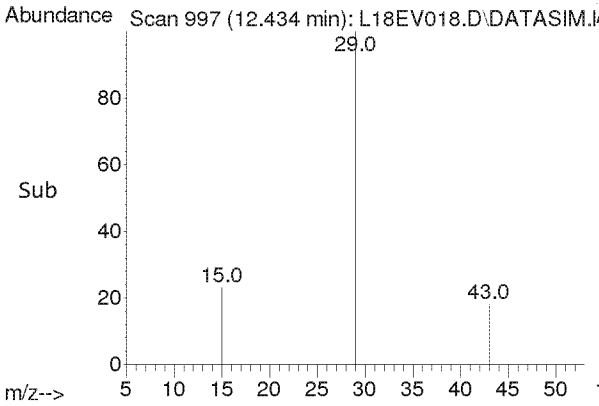


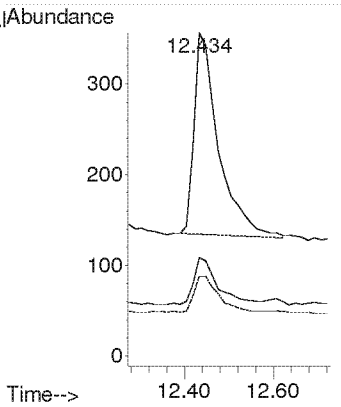


#2
Ethylene Oxide
Concen: 0.564 ppbv m
RT: 12.434 min Scan# 997
Delta R.T. -0.043 min
Lab File: L18EV018.D
Acq: 23 May 2018 9:03 am

Tgt Ion: 29 Resp: 846

Ion	Ratio	Lower	Upper
29	100		
15	23.8	20.4	30.6
43	20.8	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV019.D
Acq On : 23 May 2018 10:06 am
Operator : MAH
Sample : 8052134-10
Misc : WBIL C2 5/17/18
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 23 11:16:32 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	31897	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	77760	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	49050	4.7000 ppbv	0.00

System Monitoring Compounds

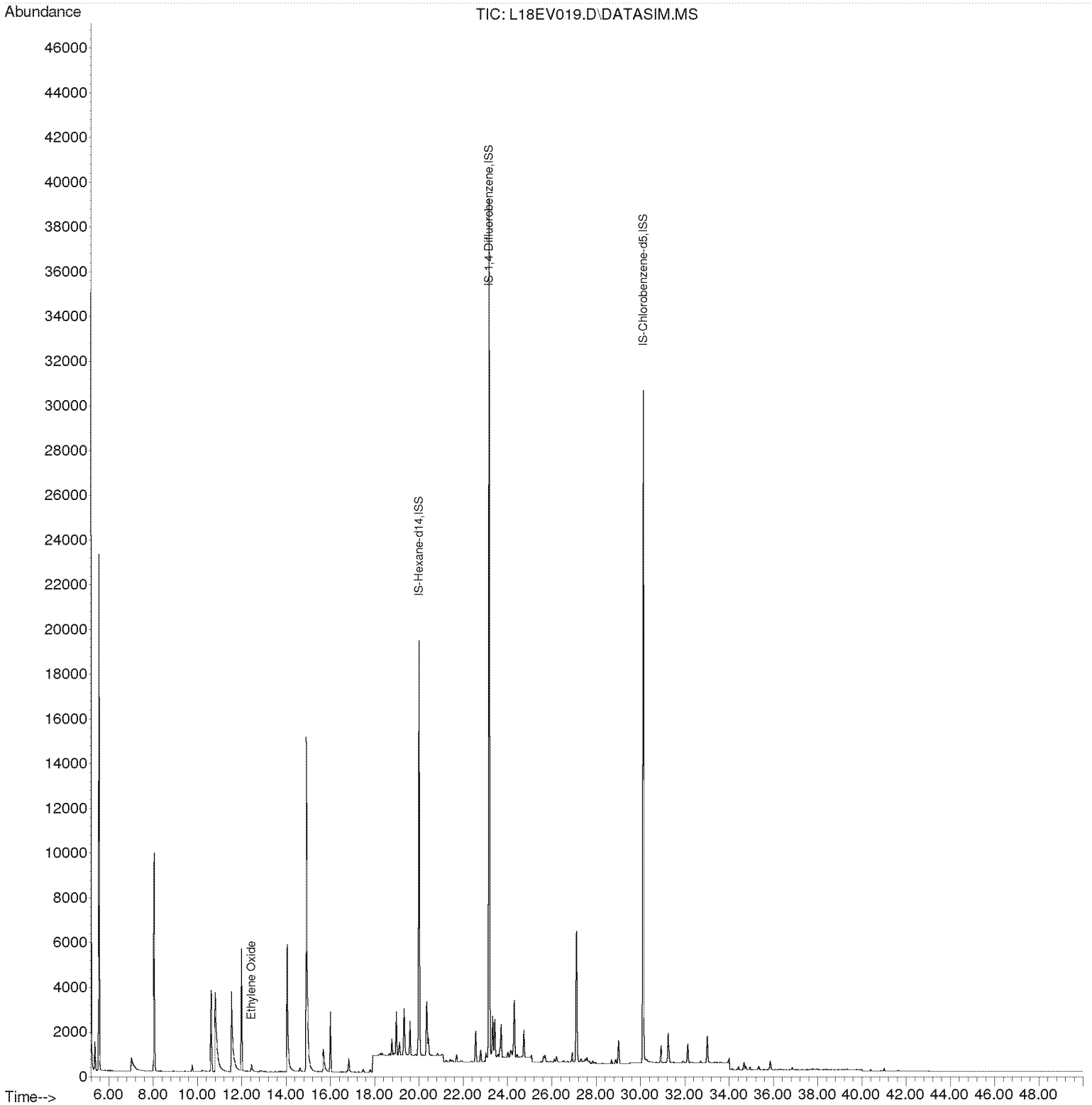
Target Compounds					Qvalue
2) Ethylene Oxide	12.434	29	869m	0.5727 ppbv	

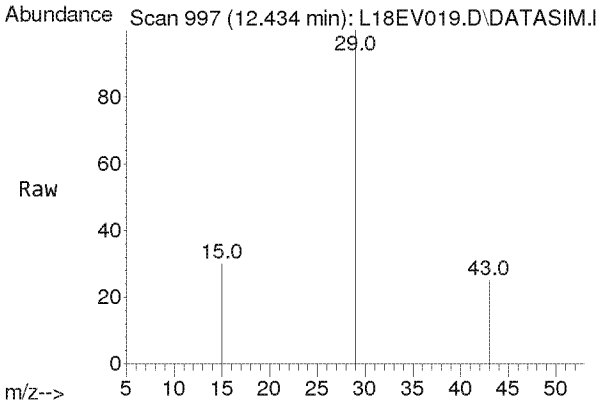
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV019.D
Acq On : 23 May 2018 10:06 am
Operator : MAH
Sample : 8052134-10
Misc : WBIL C2 5/17/18
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 23 11:16:32 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

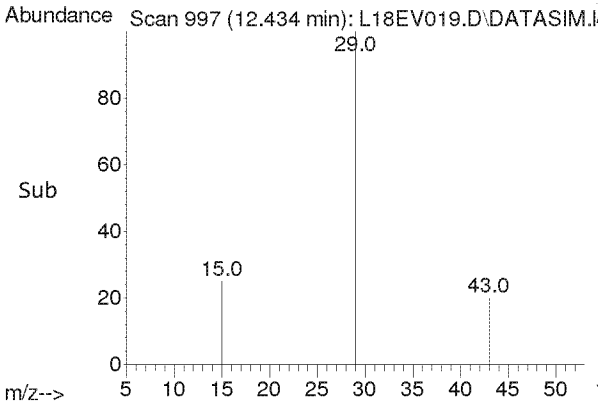


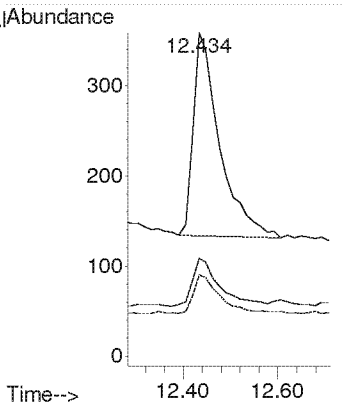


#2
Ethylene Oxide
Concen: 0.573 ppbv m
RT: 12.434 min Scan# 997
Delta R.T. -0.043 min
Lab File: L18EV019.D
Acq: 23 May 2018 10:06 am

Tgt Ion: 29 Resp: 869

Ion	Ratio	Lower	Upper
29	100		
15	24.5	20.4	30.6
43	19.6	16.2	24.4





Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV020.D
Acq On : 23 May 2018 11:08 am
Operator : MAH
Sample : B8E2208-DUP1
Misc : WBIL R1 5/17/18
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 23 13:16:25 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	30629	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	74062	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	44741	4.7000 ppbv	0.00

System Monitoring Compounds

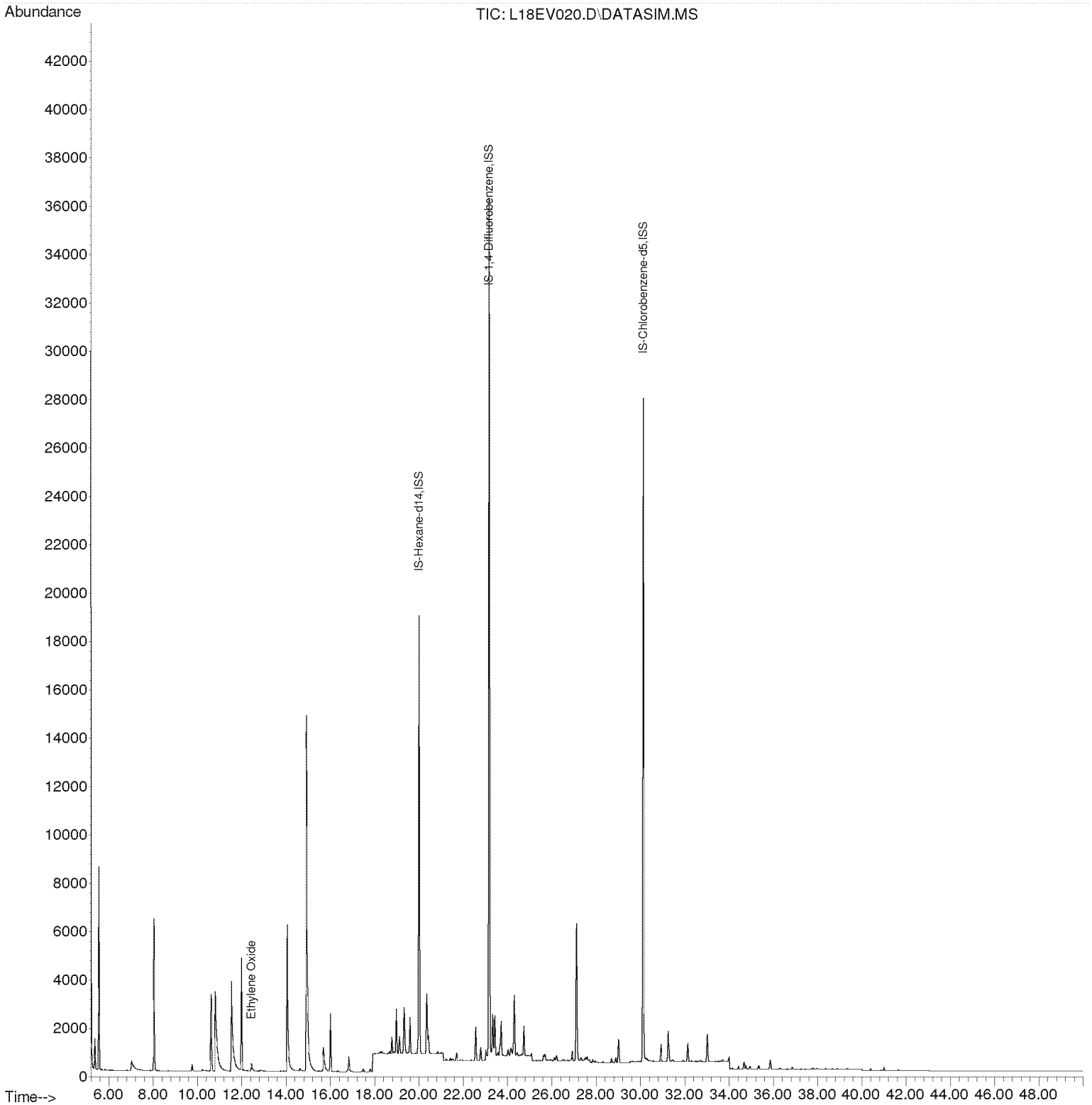
Target Compounds					Qvalue
2) Ethylene Oxide	12.434	29	857m	0.5882 ppbv	

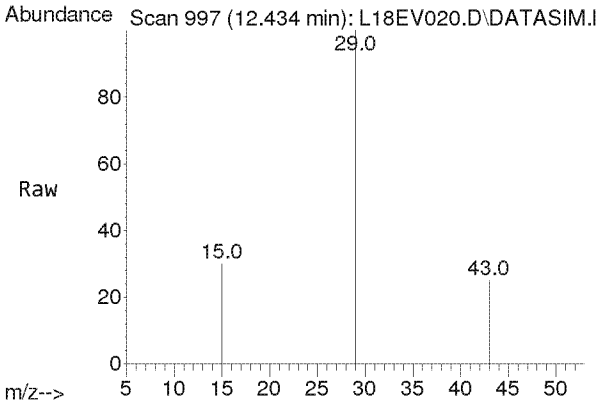
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV020.D
Acq On : 23 May 2018 11:08 am
Operator : MAH
Sample : B8E2208-DUP1
Misc : WBIL R1 5/17/18
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 23 13:16:25 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

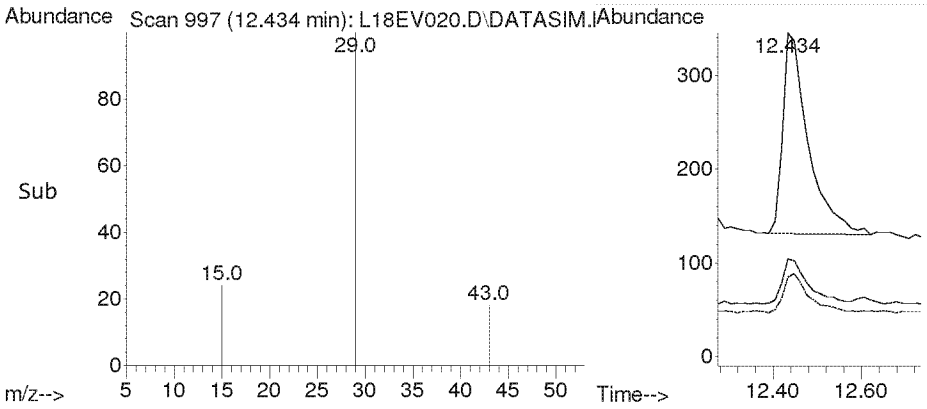




#2
Ethylene Oxide
Concen: 0.588 ppbv m
RT: 12.434 min Scan# 997
Delta R.T. -0.043 min
Lab File: L18EV020.D
Acq: 23 May 2018 11:08 am

Tgt Ion: 29 Resp: 857

Ion	Ratio	Lower	Upper
29	100		
15	23.0	20.4	30.6
43	19.8	16.2	24.4



Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV021.D
Acq On : 23 May 2018 12:10 pm
Operator : MAH
Sample : B8E2208-DUP2
Misc : WBIL R2 5/17/18
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 23 13:16:43 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	20.008	66	31662	4.8000 ppbv	0.00
3) IS-1,4-Difluorobenzene	23.163	114	78348	4.9300 ppbv	0.00
4) IS-Chlorobenzene-d5	30.133	117	46435	4.7000 ppbv	0.00

System Monitoring Compounds

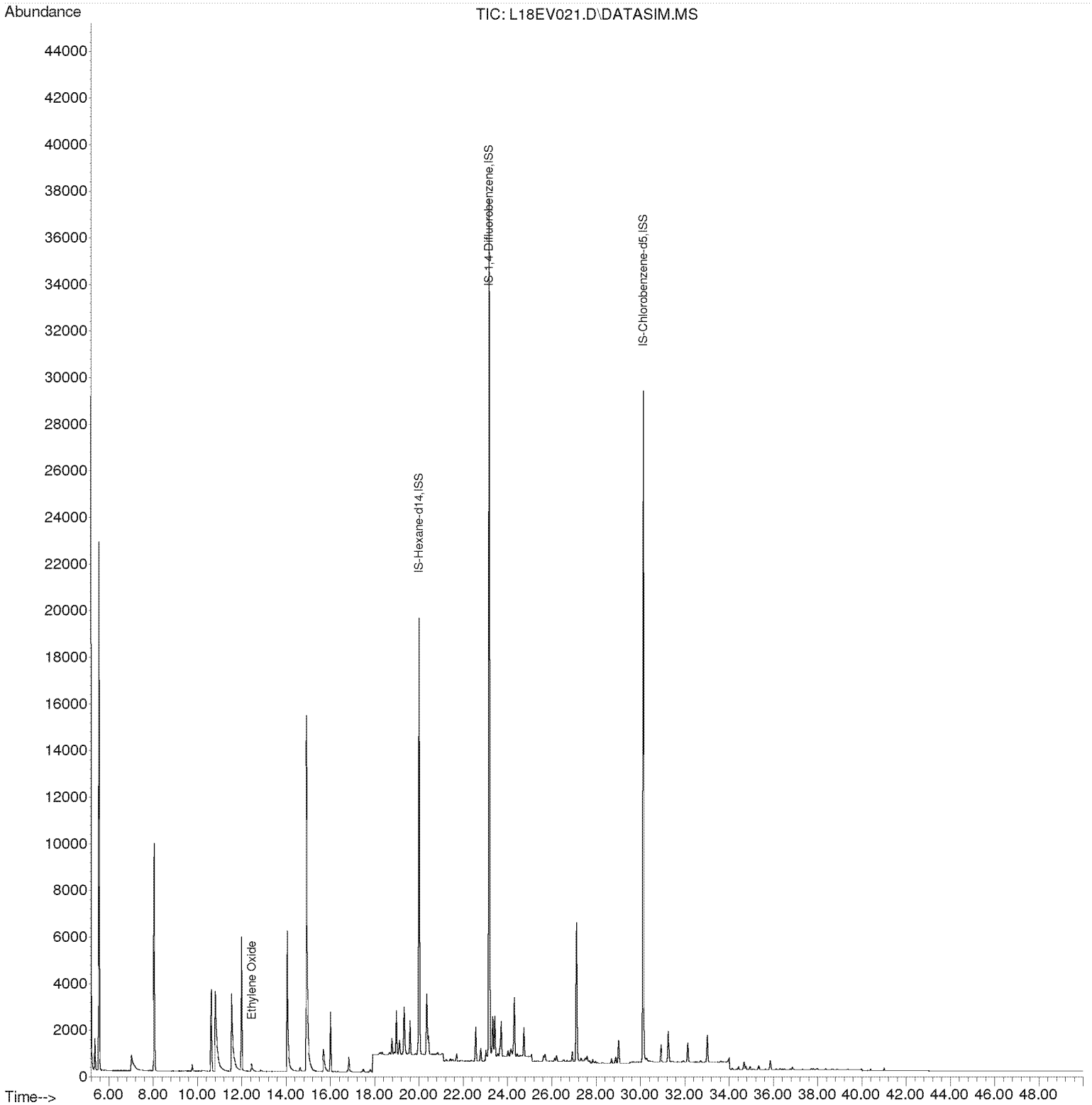
Target Compounds					Qvalue
2) Ethylene Oxide	12.448	29	885m	0.5876 ppbv	

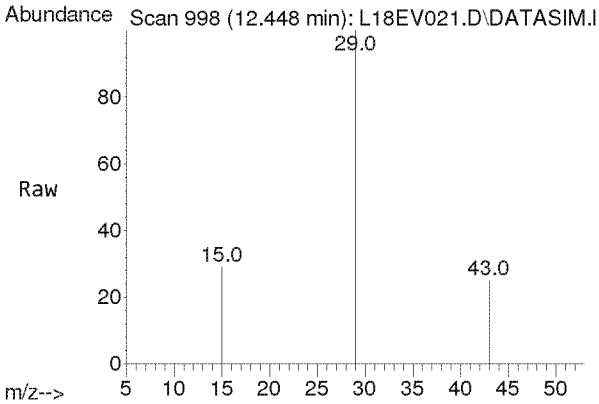
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18EV\
Data File : L18EV021.D
Acq On : 23 May 2018 12:10 pm
Operator : MAH
Sample : B8E2208-DUP2
Misc : WBIL R2 5/17/18
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 23 13:16:43 2018
Quant Method : C:\msdchem\1\METHODS\8050004_ETOX.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon May 21 13:28:21 2018
Response via : Initial Calibration

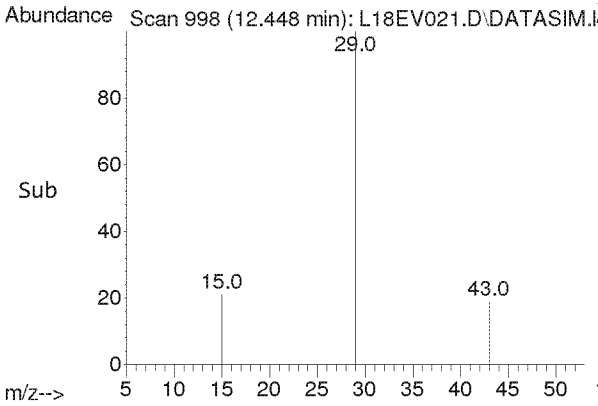


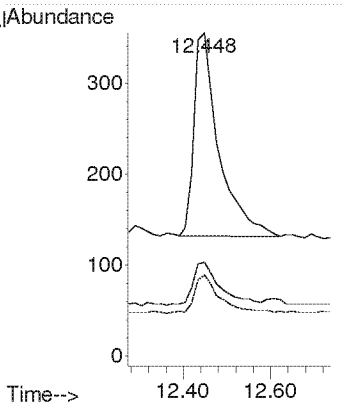


#2
Ethylene Oxide
Concen: 0.588 ppbv m
RT: 12.448 min Scan# 998
Delta R.T. -0.029 min
Lab File: L18EV021.D
Acq: 23 May 2018 12:10 pm

Tgt Ion: 29 Resp: 885

Ion	Ratio	Lower	Upper
29	100		
15	22.7	20.4	30.6
43	19.9	16.2	24.4





ERG Lab ID # 8051813 11

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: A21042

City/State: _____ Lab Initial Can. Press. ("Hg): 29.7

AQS Code: _____ Cleaning Batch # : H2-405

Collection Date: _____ Date Can. Cleaned: 5/7/18

Options:

SNMOC (Y/N): _____ Duplicate Event (Y/N): Y

TOXICS (Y/N): _____ Duplicate Can # : SAT027

METHANE (Y/N): _____

Relinquished by: RMB Date: 5/14/18

Field Setup

Received by: J. NWIA Date: 5/14/18

Operator: M Sieffert MFC Setting: _____

System #: _____ Elapsed Timer Reset (Y/N): N

Setup Date: 5/16/18 6:41 pm Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -29 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 6:20 AM Sample Duration (3 or 24 hr): _____

Operator: M. SIEFFERT -8 Elapsed Time: 11 HRS 31 MIN

Field Final Can. Press.: ~~5/17/18 [illegible]~~ psig psia "Hg (Circle one)

Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y

Relinquished by: J NWIA Date: 5/17/18

Lab Recovery

Received by: AI Date: 05/18/2018

Lab Final Can. Press.: 7.50 psig "Hg (Circle one) Converted to psia: _____

Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)

If void, why: _____

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7474; LONG: -87.9385; ON ROOF; DUPLICATE W/SAT027
AMBIENT TEMP = 78° @ start and 53° @ end

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG Lab ID # EC51813-16

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: 14641
City/State: _____ Lab Initial Can. Press. ("Hg): 29.7
AQS Code: _____ Cleaning Batch # : HZ-405
Collection Date: _____ Date Can. Cleaned: 5/7/18
Options:
SNMOC (Y/N): _____ Duplicate Event (Y/N): N
TOXICS (Y/N): _____ Duplicate Can # : _____
METHANE (Y/N): _____
Relinquished by: AMB Date: 5/14/18

Field Setup

Received by: J.NWIA Date: 5/16/18
Operator: J.NWIA MFC Setting: _____
System #: _____ Elapsed Timer Reset (Y/N): N
Setup Date: 5/16/18 @ 7:01 PM Canister Valve Opened (Y/N): Y
Field Initial Can. Press.: -29.5 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 @ 6:50 AM Sample Duration (3 or 24 hr): _____
Operator: Siffert Elapsed Time: 11 HRS 5 MIN.
Field Final Can. Press.: -8.5 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y
Relinquished by: J.NWIA Date: 5/17/18

Lab Recovery

Received by: AT Date: 05/18/2018
Lab Final Can. Press.: 8.00 psig "Hg (Circle one) Converted to psia: _____
Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)
If void, why: _____

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7453; LONG: -87.9439; ambient temperature @ start = 76° + end = 58°.

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG Lab ID # 8C 51813 17

ERG
Eastern Research Group, Inc
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: SATCC7

City/State: WILLOWBROOK, IL Lab Initial Can. Press. ("Hg): 29.7

AQS Code: – Cleaning Batch # : H2403

Collection Date: 5/16/18 Date Can. Cleaned: 5/3/18

Options:

SNMOC (Y/N): _____ Duplicate Event (Y/N): _____

TOXICS (Y/N): _____ Duplicate Can # : _____

METHANE (Y/N): _____

Relinquished by: RMB Date: 5/11/18

Field Setup

Received by: J.NW, IA Date: 5/15/18

Operator: M. SIEFFERT MFC Setting: _____

System #: _____ Elapsed Timer Reset (Y/N): _____

Setup Date: 5/16/18 @ 7:50AM Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -29 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/16/18 @ 5:44 PM Sample Duration (3 or 24 hr): _____

Operator: SIEFFERT/NWIA Elapsed Time: 9hrs 54min

Field Final Can. Press.: -11 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y

Relinquished by: J.NWIA Date: 5/16/18

Lab Recovery

Received by: A Date: 05/18/2018

Lab Final Can. Press.: 11.52 psig "Hg (Circle one) Converted to psia: _____

Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)

If void, why: _____

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7505 ; LONG: -87.9371

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG Lab ID # EC52134.C1

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: A2165

City/State: _____ Lab Initial Can. Press. ("Hg): 29.7

AQS Code: _____ Cleaning Batch # : H1-407

Collection Date: _____ Date Can. Cleaned: 5/9/18

Options:

SNMOC (Y/N): _____ Duplicate Event (Y/N): N

TOXICS (Y/N): _____ Duplicate Can # : _____

METHANE (Y/N): _____

Relinquished by: RMB Date: 5/16/18

Field Setup

Received by: NWIA Date: 5/17/18

Operator: NWIA MFC Setting: _____

System #: _____ Elapsed Timer Reset (Y/N): _____

Setup Date: 5/17/18 Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -29.4 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 @ 10:33 AM Sample Duration (3 or 24 hr): GRAB

Operator: NWIA Elapsed Time: <1 min

Field Final Can. Press.: 4 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y

Relinquished by: NWIA Date: 5/17/18

Lab Recovery

Received by: AT Date: 05/21/2018

Lab Final Can. Press.: 2.4 psig "Hg (Circle one) Converted to psia: _____

Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)

If void, why: VACUUM GAUGE

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7484; LONG: -87.9493; AMBIENT TEMP = 74°

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG Lab ID # 8052134 02

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: 5ATC09

City/State: _____ Lab Initial Can. Press. ("Hg): 29.7

AQS Code: _____ Cleaning Batch # : H-467

Collection Date: _____ Date Can. Cleaned: 5/9/18

Options:

SNMOC (Y/N): _____ Duplicate Event (Y/N): N

TOXICS (Y/N): _____ Duplicate Can # : _____

METHANE (Y/N): _____

Relinquished by: RMB Date: 5/16/18

Field Setup

Received by: NWIA Date: 5/17/18

Operator: NWIA MFC Setting: _____

System #: _____ Elapsed Timer Reset (Y/N): _____

Setup Date: 5/17/18 Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -29.4 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 @ 2:46pm MS Sample Duration (3 or 24 hr): GRAB

Operator: NWIA Elapsed Time: 4 min

Field Final Can. Press.: 4 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y

Relinquished by: NWIA Date: 5/17/18

Lab Recovery

Received by: [illegible] Date: 05/21/2018

Lab Final Can. Press.: 2.4 psig "Hg (Circle one) Converted to psia: _____

Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)

If void, why: VACUUM GAUGE

Samples stored in Air Tox Lab (Room 130)

5-2016

LAT 41.7461 MS LONG: -87.9440 MS

Comments: ~~LAT: 41.7440~~ ; ~~LONG: -87.9424~~ ; AMBIENT TEMP = 74°

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG Lab ID # 8052134103

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: SATC20

City/State: _____ Lab Initial Can. Press. ("Hg): 29.7

AQS Code: _____ Cleaning Batch # : H1-407

Collection Date: _____ Date Can. Cleaned: 5/9/18

Options:

SNMOC (Y/N): _____ Duplicate Event (Y/N): N

TOXICS (Y/N): _____ Duplicate Can # : _____

METHANE (Y/N): _____

Relinquished by: [illegible] Date: 5/16/18

Field Setup

Received by: NWIA Date: 5/17/18

Operator: NWIA MFC Setting: _____

System #: _____ Elapsed Timer Reset (Y/N): _____

Setup Date: 5/17/18 Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -29.2 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 @ 3:05PM Sample Duration (3 or 24 hr): GRAB

Operator: NWIA Elapsed Time: < 1 min

Field Final Can. Press.: ∅ psig psia "Hg (Circle one)

Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y

Relinquished by: NWIA Date: 5/17/18

Lab Recovery

Received by: [illegible] Date: 05/21/2018

Lab Final Can. Press.: 2.7 psig "Hg (Circle one) Converted to psia: _____

Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)

If void, why: VACUUM GAUGE

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7467; LONG: -87.9384; AMBIENT TEMP = 74°

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG Lab ID # 8052134 04

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: SAT133
City/State: _____ Lab Initial Can. Press. ("Hg): 29.7
AQS Code: _____ Cleaning Batch # : H2-405
Collection Date: _____ Date Can. Cleaned: 5/7/18
Options:
SNMOC (Y/N): _____ Duplicate Event (Y/N): N
TOXICS (Y/N): _____ Duplicate Can # : _____
METHANE (Y/N): _____
Relinquished by: RMB Date: 5/14/18

Field Setup

Received by: NWIA Date: 5/17/18
Operator: NWIA MFC Setting: _____
System #: _____ Elapsed Timer Reset (Y/N): _____
Setup Date: 5/17/18 Canister Valve Opened (Y/N): Y
Field Initial Can. Press.: -29.4 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 @ 1012 AM Sample Duration (3 or 24 hr): GRAB
Operator: NWIA Elapsed Time: < 1 min
Field Final Can. Press.: 0 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y
Relinquished by: NWIA Date: 5/17/18

Lab Recovery

Received by: AI Date: 05/21/2018
Lab Final Can. Press.: 21 psig "Hg (Circle one) Converted to psia: _____
Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)
If void, why: VACUUM GAUGE

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7519; LONG: -87.9373; AMBIENT TEMP = 74°

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG Lab ID # 8052134-05

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: SAT101

City/State: _____ Lab Initial Can. Press. ("Hg): 29.7

AQS Code: _____ Cleaning Batch # : H1-407

Collection Date: _____ Date Can. Cleaned: 5/9/18

Options:

SNMOC (Y/N): _____ Duplicate Event (Y/N): _____

TOXICS (Y/N): _____ Duplicate Can # : _____

METHANE (Y/N): _____

Relinquished by: RMB Date: 5/16/18

Field Setup

Received by: NWIA Date: 5/17/18

Operator: NWIA MFC Setting: _____

System #: _____ Elapsed Timer Reset (Y/N): _____

Setup Date: 5/17/18 Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -29.2 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 @ 2:34PM Sample Duration (3 or 24 hr): GRAB

Operator: NWIA Elapsed Time: <1 MIN

Field Final Can. Press.: Ø psig psia "Hg (Circle one)

Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y

Relinquished by: NWIA Date: 5/17/18

Lab Recovery

Received by: M Date: 05/21/2018

Lab Final Can. Press.: 2.3 psig "Hg (Circle one) Converted to psia: _____

Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)

If void, why: VACUUM GAUGE

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7470; LONG: -87.9475 or; AMBIENT TEMP = 74°

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG Lab ID # 8052134.06

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: A21012
City/State: _____ Lab Initial Can. Press. ("Hg): 29.7
AQS Code: _____ Cleaning Batch # : H2-405
Collection Date: _____ Date Can. Cleaned: 5/7/18
Options:
SNMOC (Y/N): _____ Duplicate Event (Y/N): N
TOXICS (Y/N): _____ Duplicate Can # : _____
METHANE (Y/N): _____
Relinquished by: RMG Date: 5/14/18

Field Setup

Received by: NWIA Date: 5/17/18
Operator: NWIA MFC Setting: _____
System #: _____ Elapsed Timer Reset (Y/N): _____
Setup Date: 5/17/18 Canister Valve Opened (Y/N): Y
Field Initial Can. Press.: -29.4 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 @ 10:53 AM Sample Duration (3 or 24 hr): GRAB
Operator: NWIA Elapsed Time: <1 MIN
Field Final Can. Press.: Ø psig psia "Hg (Circle one)
Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y
Relinquished by: NWIA Date: 5/17/18

Lab Recovery

Received by: AI Date: 05/21/2018
Lab Final Can. Press.: 26 psig "Hg (Circle one) Converted to psia: _____
Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)
If void, why: VACUUM GAUGE

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7467; LONG: -87.9421; AMBIENT TEMP = 74°

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

ERG Lab ID # 8C52134107

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: SAT095
City/State: _____ Lab Initial Can. Press. ("Hg): 29.7
AQS Code: _____ Cleaning Batch # : H2-407
Collection Date: _____ Date Can. Cleaned: 5/9/18
Options:
SNMOC (Y/N): _____ Duplicate Event (Y/N): N
TOXICS (Y/N): _____ Duplicate Can # : _____
METHANE (Y/N): _____
Relinquished by: RMB Date: 5/16/18

Field Setup

Received by: NWIA Date: 5/17/18
Operator: NWIA MFC Setting: _____
System #: _____ Elapsed Timer Reset (Y/N): _____
Setup Date: 5/17/18 Canister Valve Opened (Y/N): Y
Field Initial Can. Press.: -29.5 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 @ 10:20AM Sample Duration (3 or 24 hr): GRAB
Operator: NWIA Elapsed Time: <1min
Field Final Can. Press.: 4 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y
Relinquished by: NWIA Date: 5/17/18

Lab Recovery

Received by: M Date: 05/21/2018
Lab Final Can. Press.: 21 psig "Hg (Circle one) Converted to psia: _____
Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)
If void, why: VACUUM GAUGE

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7517; LONG: -87.9415; AMBIENT TEMP = 74°

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG Lab ID # 8052134 C8

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: 19662

City/State: _____ Lab Initial Can. Press. ("Hg): 29.7

AQS Code: _____ Cleaning Batch # : H1-466

Collection Date: _____ Date Can. Cleaned: 5/8/18

Options:

SNMOC (Y/N): _____ Duplicate Event (Y/N): _____

TOXICS (Y/N): _____ Duplicate Can # : _____

METHANE (Y/N): _____

Relinquished by: RWB Date: 5/14/18

Field Setup

Received by: J. NUIA Date: 5/16/18

Operator: Siefert MFC Setting: _____

System #: _____ Elapsed Timer Reset (Y/N): N

Setup Date: 5/17/18 @ 6:54AM Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -29 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 @ 6:15 PM Sample Duration (3 or 24 hr): _____

Operator: J. NUIA Elapsed Time: 11 HRS 21 MIN

Field Final Can. Press.: -9.3 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y

Relinquished by: NUIA Date: 5/17/18

Lab Recovery

Received by: A Date: 05/21/2018

Lab Final Can. Press.: 9.00 psig "Hg (Circle one) Converted to psia: _____

Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)

If void, why: _____

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7453; LONG: -87.9439; AMBIENT TEMP = 55 @ START; AMBIENT TEMP = 59 (@ END)

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG Lab ID # 8052134 09

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: SAT173
City/State: _____ Lab Initial Can. Press. ("Hg): 29.7
AQS Code: _____ Cleaning Batch # : H2-405
Collection Date: _____ Date Can. Cleaned: 5/7/18
Options:
SNMOC (Y/N): _____ Duplicate Event (Y/N): Y
TOXICS (Y/N): _____ Duplicate Can # : 5052
METHANE (Y/N): _____
Relinquished by: RMB Date: 5/14/18

Field Setup

Received by: NWIA Date: 5/17/18
Operator: NWIA MFC Setting: _____
System #: _____ Elapsed Timer Reset (Y/N): _____
Setup Date: 5/17/18 Canister Valve Opened (Y/N): Y
Field Initial Can Press.: -29.5 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 @ 10:42 AM Sample Duration (3 or 24 hr): GRAB
Operator: SIEFFERT Elapsed Time: <1 MIN
Field Final Can. Press.: 0 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y
Relinquished by: NWIA Date: 5/17/18

Lab Recovery

Received by: [illegible] Date: 05/21/2018
Lab Final Can. Press.: 26 psig "Hg (Circle one) Converted to psia: _____
Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)
If void, why: VACUUM GAUGE

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7485; LONG: -87.9432; AMBIENT TEMP = 74°

White: Sample Traveler Canary: Lab Copy Pink: Field Copy

ERG Lab ID # 8052134 10

ERG
Eastern Research Group, Inc.
601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: _____ Canister Number: 5052
City/State: _____ Lab Initial Can. Press. ("Hg): 29.7
AQS Code: _____ Cleaning Batch # : H2-405
Collection Date: _____ Date Can. Cleaned: 5/7/18
Options:
SNMOC (Y/N): _____ Duplicate Event (Y/N): Y
TOXICS (Y/N): _____ Duplicate Can # : SAT173
METHANE (Y/N): _____
Relinquished by: RMB Date: 5/14/18

Field Setup

Received by: NWA Date: 5/17/18
Operator: NWA MFC Setting: _____
System #: _____ Elapsed Timer Reset (Y/N): _____
Setup Date: 5/17/18 Canister Valve Opened (Y/N): Y
Field Initial Can. Press : -29.5 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 5/17/18 @ 10:42 AM Sample Duration (3 or 24 hr): GRAB
Operator: NWA Elapsed Time: < 1 min
Field Final Can. Press.: X psig psia "Hg (Circle one)
Status: VALID VOID (Circle one) Canister Valve Closed (Y/N): Y
Relinquished by: NWA Date: 5/17/18

Lab Recovery

Received by: AT Date: 05/21/2018
Lab Final Can. Press.: 2.5 psig "Hg (Circle one) Converted to psia: _____
Status: VALID VOID (Circle one) Gauge: 1 2 (Circle one)
If void, why: VACUUM GAUGE

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: LAT: 41.7485°; LONG: -87.9438°; AMBIENT TEMP = 74
DUPLICATE TO SAT173

White: Sample Traveler Canary: Lab Copy Pink: Field Copy