SOP ERG-MOR-005
Air Toxics TO-15 Quality Control Review Checklist 2018-1

Sequence ID:	L18LT, 1812045	**Instrument:**	FS1	**Batch:**	1812003
Cal Curve (Method):	8120004	**Analyst:**	MMC	**Date Analyzed:**	12-20-18
10% Review Sample IDs:	8120321-05	**Reviewer:**	DST	**Date:**	12/21/18
Optional Additional Review Sample IDs:		**Reviewer:**		**Date:**	

Parameter	Acceptance Criteria	Analyst Check (Initials and Date)	Task Lead/Data (Initials and Date)	10% QA Review (Initials and Date)	Optional Additional QA Review (Initials and Date)	Comments
BFB Instrument Tune Performance Check – one per analysis sequence	Evaluation criteria presented in Section 16.1.1	12-21-18	RMB 12/21/18	DST 12/21/18		
Initial calibration with a minimum of 5 points - quarterly	1)RSD of response factors < ±30% with two exceptions of up to ±40% (non-Tier I compounds) 2) IS response < ±40% of mean 3) RRTs for target peaks ±0.06 units from mean RRT 4) IS RTs within 20sec of mean 5) Each calibration standard within ±30% of nominal conc (for Tier I compounds)	12-21-18	RMB 12/21/18	DST 12/21/18		L18LS
ICV(LCS) Second source calibration verification check - immediately following ICAL	The response factor ≤ ±30% DEV from calibration curve average response factor	12-21-18	RMB 12/21/18	DST 12/21/18		L18LS
Continuing calibration verification - (CCV), approximately mid-point of the calibration curve – one per analysis sequence	The response factor ≤ ±30% DEV from calibration curve average response factor	12-21-18	RMB 12/21/18	DST 12/21/18		2nd source
Method Blank Analysis – one per analysis sequence	1) < 3xMDL or 0.2ppbv, whichever is lower 2) Internal Standard (IS) area response within < ±40% and IS Retention Time (RT) within ±0.33 min. of most recent initial calibration	12-21-18	RMB 12/21/18	DST 12/21/18		

Checked 8120321-05 spectra for t-2-butene. None found. DST 12/21/18

Air Toxics TO-15 Quality Control Review Checklist 2018-1 (Continued)

Parameter	Acceptance Criteria	Analyst Check (Initials and Date)	Task Lead/Data (Initials and Date)	10% QA Review (Initials and Date)	Optional Additional QA Review (Initials and Date)	Comments
Replicate Analysis -- one per analysis sequence /Duplicate Sample	< 25% RPD for compounds greater than 5 times the MDL	12-21-18	RMB 12/21/18	DLT 12/21/18		
Canister Cleaning Certification	<3xMDL or 0.2ppbv per VOC targeted compound, whichever is lower	—	RMB 12/21/18	NA		
Preconcentrator Leak Check	≤ ± 0.2 psi/min	12-21-18	RMB 12/21/18	DLT 12/21/18		
Samples/Internal Standard Check	IS area within ±40% and IS RT within ±0.33 min. of most recent initial calibration	12-21-18	RMB 12/21/18	DLT 12/21/18		
COC Included and filled out	Lab receipt acknowledged, LIMS number added to COC	12-21-18	RMB 12/21/18	DLT 12/21/18		
Manual Integration and peak deletion	Conforms with ERG-SOP-097 "Procedure for Manual Integration of Chromatographic Peaks"	12-21-18	RMB 12/21/18	DLT 12/21/18		
Manual Calculation Check	One compound manual check must agree with software generated result		RMB 12/21/18	DLT 12/21/18		8120321-02 1891 (4.77 ppbv) / 50107 (0.2851) = 0.6314 ppbv
Qualifiers Check	Check to make sure LIMS data flags are correct	12-21-18	RMB 12/21/18	DLT 12/21/18		

This review check sheet must be completed by primary data reviewer/TL/QA.

L18LT002 ethylene oxide $\frac{7532 \times 4.77}{6126 \times 0.2851} = 2.06$ ppbv

ANALYSIS SEQUENCE

Instrument: ERGMS#1

1812045

Printed: 12/21/2018 10:04:10AM

Calibration ID: 8120004

Lab Number	Sample Name	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
1812045-CCV1	Calibration Check	QC		1		8L14004	8L13002	
B8L2003-BLK1	Blank	QC		2			8L13002	
8112702-14	Gower MS	TO-15 2018	A	3			8L13002	Ethylene Oxide only
8112702-15	Gower ES	TO-15 2018	A	4			8L13002	Ethylene Oxide only
8112702-16	Hinsdale South HS	TO-15 2018	A	5			8L13002	Ethylene Oxide only
8112702-17	Willow Pond Park	TO-15 2018	A	6			8L13002	Ethylene Oxide only
8120321-01	WB Warehouse C1	TO-15 2018	A	7			8L13002	Ethylene Oxide only
8120321-02	WB Warehouse C2	TO-15 2018	A	8			8L13002	Ethylene Oxide only
B8L2003-DUP1	Duplicate	QC		9			8L13002	
B8L2003-DUP2	Duplicate	QC		10			8L13002	
8120321-03	Hinsdale South HS	TO-15 2018	A	11			8L13002	Ethylene Oxide only
8120321-04	Watertower	TO-15 2018	A	12			8L13002	Ethylene Oxide only
8120321-05	Willow Pond Park	TO-15 2018	A	13			8L13002	Ethylene Oxide only
8120321-06	Gower ES	TO-15 2018	A	14			8L13002	Ethylene Oxide only
8120321-07	West Neighborhood	TO-15 2018	A	15			8L13002	Ethylene Oxide only
8120321-08	Gower MS	TO-15 2018	A	16			8L13002	Ethylene Oxide only
8120321-09	WB Village Hall	TO-15 2018	A	17			8L13002	Ethylene Oxide only
8112702-13	WB Village Hall	TO-15 2018	A	18			8L13002	Ethylene Oxide only

[redacted]

Samples Loaded By Date

Randy Bonez 12/21/18

Data Processed By Date

Sequence Name: C:\msdchem\1\sequence\L18LT.s
Comment: ANALYZE 12/20/18,8120004 exp 3/19/19, L18LT
Operator: MAH
Data Path: C:\MSDCHEM\1\DATA\L18LT\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info		
1)	Sample	1	L18LT001	BFB	BFB
2)	Sample	2	L18LT002	8120004	1812045-CCV1
3)	Sample	3	L18LT003	8120004	B8L2003-BLK1
4)	Sample	4	L18LT004	8120004	8112702-14
5)	Sample	6	L18LT006	8120004	8112702-15
6)	Sample	7	L18LT007	8120004	8112702-16
7)	Sample	8	L18LT008	8120004	8122702-17
8)	Sample	9	L18LT009	8120004	8120321-01
9)	Sample	10	L18LT010	8120004	8120321-02
10)	Sample	11	L18LT011	8120004	~~B182003~~-DUP1
11)	Sample	12	L18LT012	8120004	~~B182003~~-DUP2
12)	Sample	13	L18LT013	8120004	8120321-03
13)	Sample	14	L18LT014	8120004	8120321-04
14)	Sample	15	L18LT015	8120004	8120321-05
15)	Sample	16	L18LT016	8120004	8120321-06
16)	Sample	17	L18LT017	8120004	8120321-07
17)	Sample	18	L18LT018	8120004	8120321-08
18)	Sample	19	L18LT019	8120004	8120321-09
19)	Sample	20	L18LT020	8120004	8112702-13
[redacted]					
22)	Sample	100	OFF	FIDOFF	OFF

B8L2003... DWB 12/21/18

Last Modified: Fri Dec 21 06:39:29 2018

Sample	1	BFB	BFB	L18LT001	80 ML 8L13001	1
Sample	2	1812045-CCV1	8120004	L18LT002	80 ML 8L13001,8L14004	1
Sample	3	B8L2003-BLK1	8120004	L18LT003	80 ML 8L13001	1
Sample	4	8112702-14	8120004	L18LT004	GOWER MS 11/25/18	1
Sample	6	8112702-15	8120004	L18LT006	GOWER ES 11/25/18	1
Sample	7	8112702-16	8120004	L18LT007	HINSDALE S. HS	1
Sample	8	8122702-17	8120004	L18LT008	WILLOW POND PARK 11/25/18	1
Sample	9	8120321-01	8120004	L18LT009	EPA WB WAREHOUSE C1 11/28/18	1
Sample	10	8120321-02	8120004	L18LT010	EPA WB WAREHOUSE C2 11/28/18	1
Sample	11	~~BL82003~~-DUP1	8120004	L18LT011	EPA WB WAREHOUSE R1 11/28/18	1
Sample	12	B~~L82003~~-DUP2	8120004	L18LT012	EPA WB WAREHOUSE R2 11/28/18	1
Sample	13	8120321-03	8120004	L18LT013	HINSDALE S. HS 11/28/18	1
Sample	14	8120321-04	8120004	L18LT014	WATER TOWER 1/28/18	1
Sample	15	8120321-05	8120004	L18LT015	WILLOW POND PARK 11/28/18	1
Sample	16	8120321-06	8120004	L18LT016	GOWER ES 11/28/18	1
Sample	17	8120321-07	8120004	L18LT017	WEST NEIGHBORHOOD 11/28/18	1
Sample	18	8120321-08	8120004	L18LT018	GOWER MS 11/28/18	1
Sample	19	8120321-09	8120004	L18LT019	WB VILLAGE HALL 11/28/18/	1
Sample	20	8112702-13	8120004	L18LT020	WB VILLAGE HALL 11/25/185	1
[redacted]						
Sample	100	OFF	FIDOFF	OFF	OFF	1

B8L2003... RJB 12/21/18

----------SEQUENCE TABLE ----------

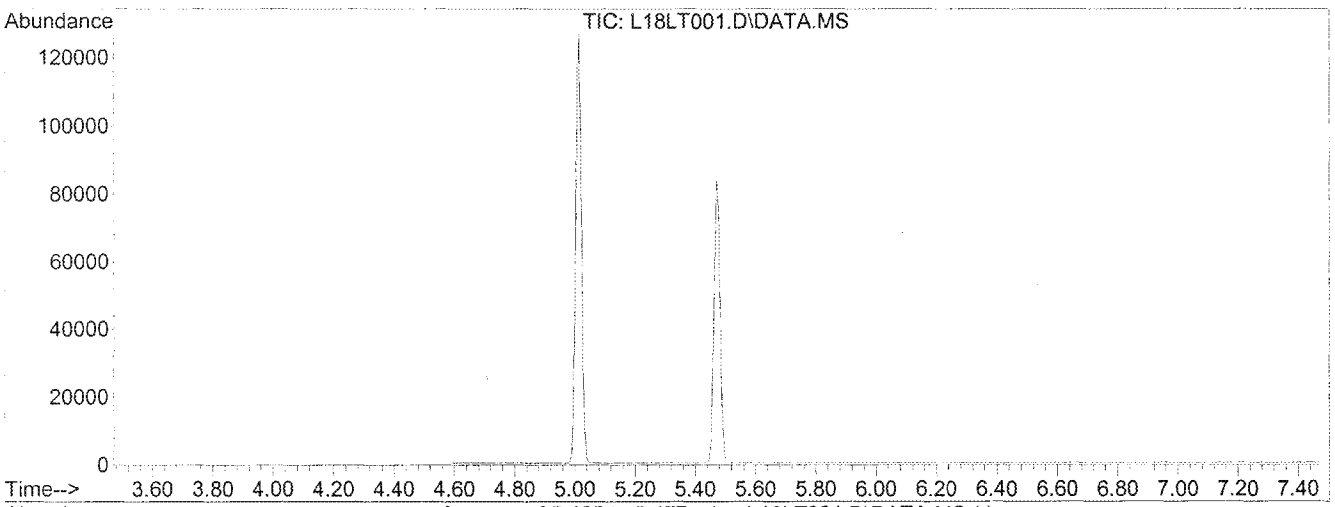
Sequence Name: C:\Smart\L18LT.SEQ
Date: 12-21-2018
Time: 06:22:39
Int. Std Volume: 80 cc

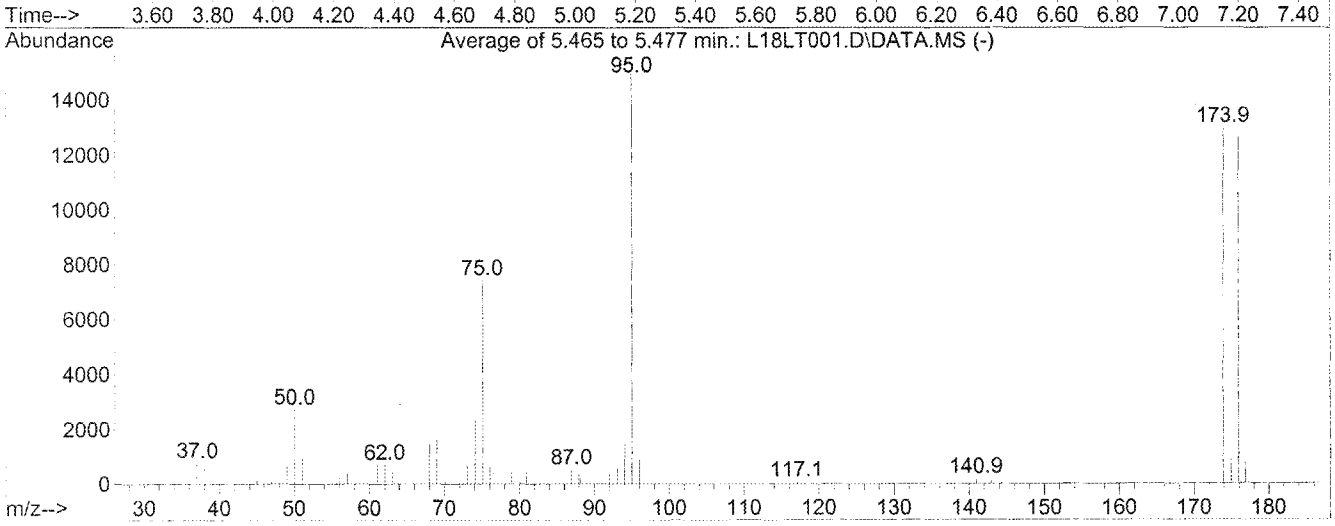
Sample Name	Inlet #	Auto	Samp Pos	Cal Vol.	Std Vol.	Method	Time
BFB	1	1	0	0		C:\Smart\BFB.MPT	12:00
1812045-CCV1	2	1	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
B8L2003-BLK1	1	1	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8112702-14	1	1	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8112702-15	1	2	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8112702-16	1	3	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8112702-17	1	4	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8120321-01	1	5	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8120321-02	1	6	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
B8L2003-DUP1	1	5	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
B8L2003-DUP2	1	6	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8120321-03	1	7	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8120321-04	1	8	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8120321-05	1	9	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8120321-06	1	10	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8120321-07	1	11	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8120321-08	1	12	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8120321-09	1	13	250		0	C:\Smart\TO-15A_MS1.MPT	12:00
8112702-13	1	14	250		0	C:\Smart\TO-15A_MS1.MPT	12:00

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT001.D
Acq On : 20 Dec 2018 4:37 am
Operator : MAH
Sample : BFB
Misc : 80 ML 8L13001
ALS Vial : 15 Sample Multiplier: 1

Integration File: RTEINT.P

Method : C:\msdchem\1\METHODS\8120004.M
Title : TO-15 by Selective Ion Analysis
Last Update : Thu Dec 20 06:20:47 2018





AutoFind: Scans 144, 145, 146; Background Corrected with Scan 138

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.3	2748	PASS
75	95	30	66	49.7	7448	PASS
95	95	100	100	100.0	14978	PASS
96	95	5	9	6.1	911	PASS
173	174	0.00	2	0.3	34	PASS
174	95	50	120	86.8	13001	PASS
175	174	4	9	7.0	904	PASS
176	174	93	101	97.4	12658	PASS
177	176	5	9	6.3	795	PASS

---------- Leak Check Report ----------

12/21/2018 8:09:06 AM
Leak Check for C:\Smart\L18LT.SEQ
Report File: C:\Smart\L18LT.LCR
Leak Check Method: Evacuation
Pressurize/Evacuate time(sec) 20
Equilibration time(sec) 20
Maintanance time(sec) 60

Sample Inlet	Auto1	Auto2	Auto3	Start	End	Rate(psi/min)
1	1	---	---	1.2	1.3	0.10
1	2	---	---	1.1	1.2	0.10
1	3	---	---	1.2	1.3	0.10
1	4	---	---	1.1	1.2	0.10
1	5	---	---	1.1	1.2	0.10
1	6	---	---	1.2	1.2	0.00
1	7	---	---	1.1	1.2	0.10
1	8	---	---	1.1	1.2	0.10
1	9	---	---	1.2	1.3	0.10
1	10	---	---	1.1	1.2	0.10
1	11	---	---	1.2	1.3	0.10
1	12	---	---	1.2	1.2	0.00
1	13	---	---	1.2	1.2	0.00
1	14	---	---	1.2	1.3	0.10
1	15	---	---	1.2	1.2	0.00
1	16	---	---	1.2	1.2	0.00

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\L18LT\L18LT001.D
Tune Time : 20 Dec 2018 4:37 am

8120004	IS Avg Area	61164	145160	104175
	+40%	85629	203224	145845
	-40%	36698	87096	62505

File	Sample	Internal Standard Responses		
L18LT002.D	1812045-CCV1	61261	143221	104865
L18LT003.D	B8L2003-BLK1	58334	140357	100846
L18LT004.D	8112702-14	55449	129441	88864
L18LT006.D	8112702-15	58463	144871	102221
L18LT007.D	8112702-16	55685	134495	95258
L18LT008.D	8112702-17	53110	124601	88396
L18LT009.D	8120321-01	55683	134775	94277
L18LT010.D	8120321-02	50107	121842	87409
L18LT011.D	BL82003-DUP1	50321	120981	84743
L18LT012.D	BL82003-DUP2	49991	121645	86774
L18LT013.D	8120321-03	57065	140020	96140
L18LT014.D	8120321-04	51894	124191	81697
L18LT015.D	8120321-05	51355	127141	87493
L18LT016.D	8120321-06	50184	118490	77748
L18LT017.D	8120321-07	51842	125459	82776
L18LT018.D	8120321-08	52447	126320	85181
L18LT019.D	8120321-09	54687	136774	93709
L18LT020.D	8112702-13	53779	131486	92348

[redacted]

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

Created: Fri Dec 21 06:32:58 2018 MS1

AT 12/21/18

Analytical Standard Record

Eastern Research Group

8L14004

Description:	2.50 ppbv ICV/CCV	Expires:	01/13/19
Standard Type:	Calibration Stan	Prepared:	12/14/18
Solvent:	Scientific Air	Prepared By:	Mitch Howell
Final Volume (mls):	6000	Department:	Air Toxics
Vials:	1	Last Edit:	12/14/18 11:07 by MH

canister# 3222

Analyte	CAS Number	Concentration	Units
[redacted]			

Reviewed By 12-20-18 Date

Analytical Standard Record

Eastern Research Group

8L14004

[redacted]

Ethylene oxide	75-21-8	0.0025	ppmv

[redacted]

Parent Standards used in this standard:

Standard	Description	Prepared	Prepared By	Expires	Last Edit	(mls)
8J25001	TO-15 Secondary Stock Standard	10/25/18	** Vendor **	10/04/19	11/20/18 11:30 by RMB	30
8K20015	Ethylene Oxide Secondary Stock Sd	11/12/18	** Vendor **	11/12/19	11/20/18 12:14 by MH	15

Reviewed By 1/(20/19 Date

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA\L18LT\
Data File : L18LT002.D
Acq On : 20 Dec 2018 5:27 am
Operator : MAH
Sample : 1812045-CCV1
Misc : 80 ML 8L13001,8L14004
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 21 06:25:16 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 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	100	0.00
[redacted]							
9	CT	Ethylene oxide	0.285	0.235	17.5	100	0.00
[redacted]							

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\L18LT\
Data File : L18LT002.D
Acq On : 20 Dec 2018 5:27 am
Operator : MAH
Sample : 1812045-CCV1
Misc : 80 ML 8L13001,8L14004
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 21 06:25:16 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.991	66	61261	4.7700 ppbv	0.60

[redacted]

System Monitoring Compounds

Target Compounds Qvalue

[redacted]

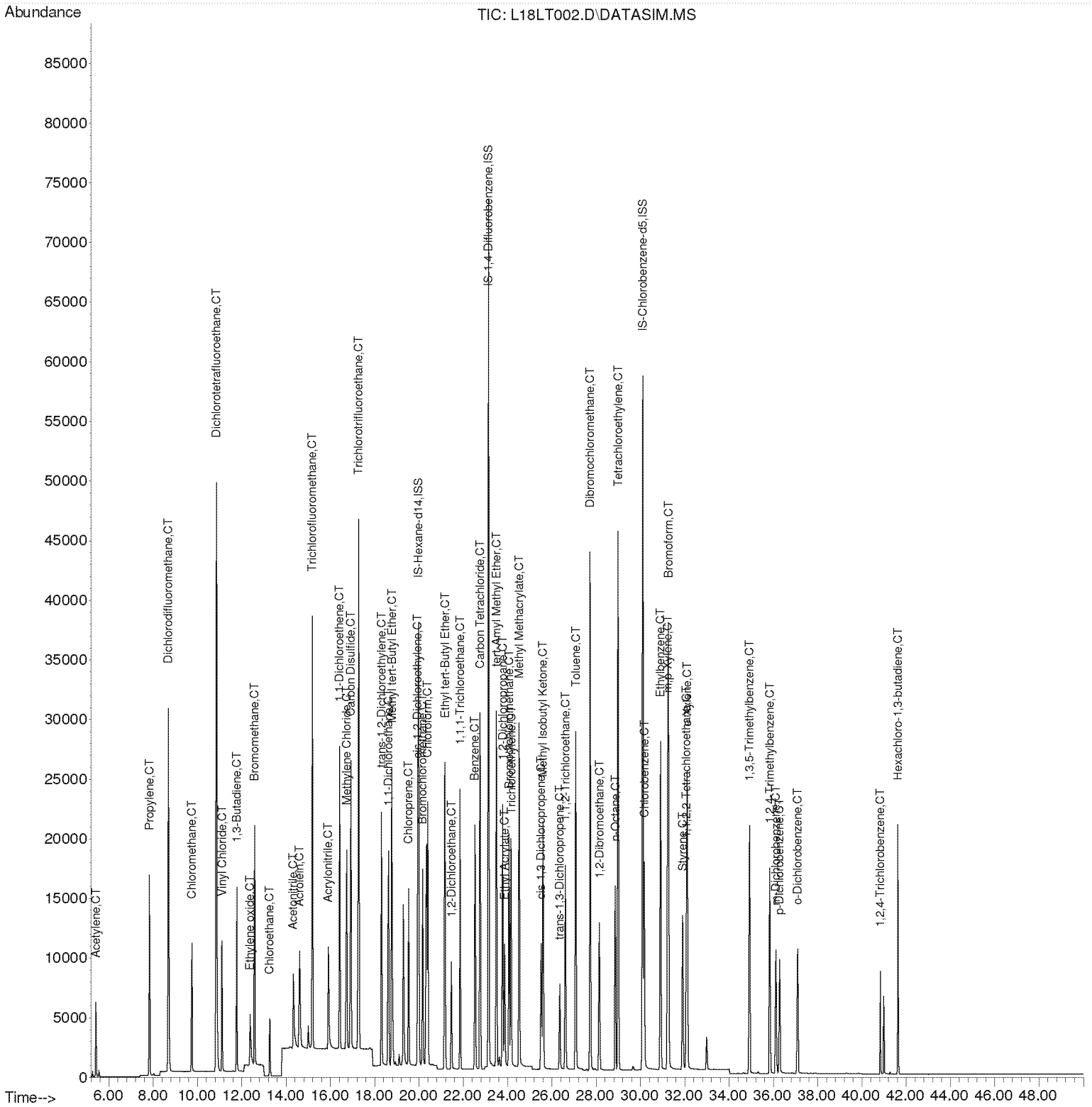
9) Ethylene oxide	12.378	29	7532	2.0570 ppbv	100

[redacted]

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT002.D
Acq On : 20 Dec 2018 5:27 am
Operator : MAH
Sample : 1812045-CCV1
Misc : 80 ML 8L13001,8L14004
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 21 06:25:16 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



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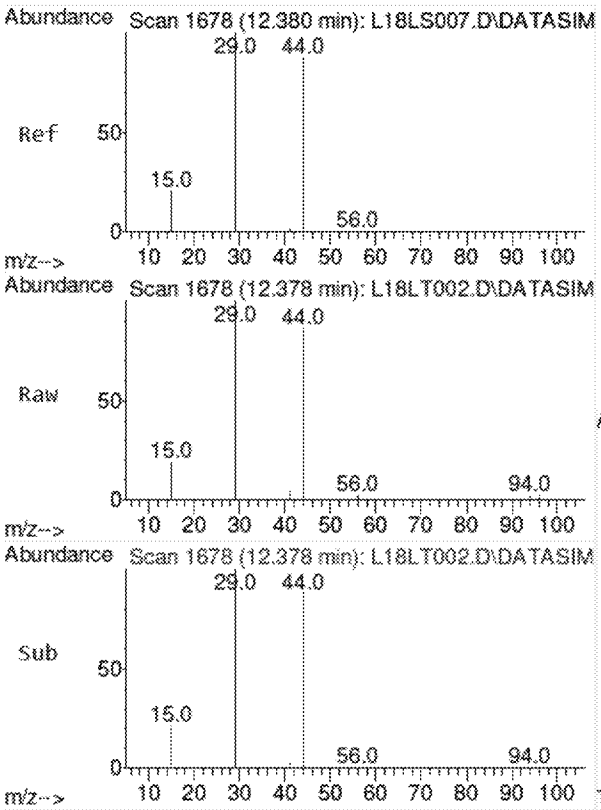
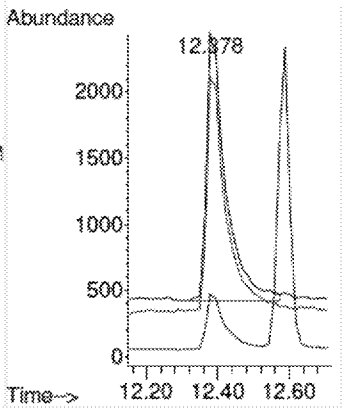


#9
Ethylene oxide
Concen: 2.057 ppbv
RT: 12.378 min Scan# 1678
Delta R.T. -0.002 min
Lab File: L18LT002.D
Acq: 20 Dec 2018 5:27 am

Tgt Ion: 29 Resp: 7532

Ion	Ratio	Lower	Upper
29	100		
15	20.8	16.2	24.4
44	90.1	72.0	108.0



TO-15 Method Blank and
Annual Canister Certification Blank

Analyst:	Date: 12/20/18	Data File Name	L18LT003.D
		Operator	MAH
		Acq. Method File	8120004.M
Reviewer:	Date: 12/21/18	Sample Name	BBL2003-BLK1
		Misc Info	80 ML BL13001

#	Name	Target Response	Amount (pphv)	PASS*	Blank Criteria
11	IS-Hexane-d14	58334		NA	NA
[redacted]					
	Ethylene oxide	0	0.000	Y	0.136
[redacted]					

*All Blanks must be below 0.2 ppb or 3 times the MDL whichever value is lower

TO-15_BLANK_TEMPLATES_3-19-18
2018 BLANK
Y:\AIR TOX\TO-15 BLANK TEST\TO-15_BLANK_TEMPLATES_8-29-18.xlsx

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT003.D
Acq On : 20 Dec 2018 6:29 am
Operator : MAH
Sample : B8L2003-BLK1
Misc : 80 ML 8L13001
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 21 06:52:12 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.991	66	58334	4.7700 ppbv	0.00

[redacted]

System Monitoring Compounds

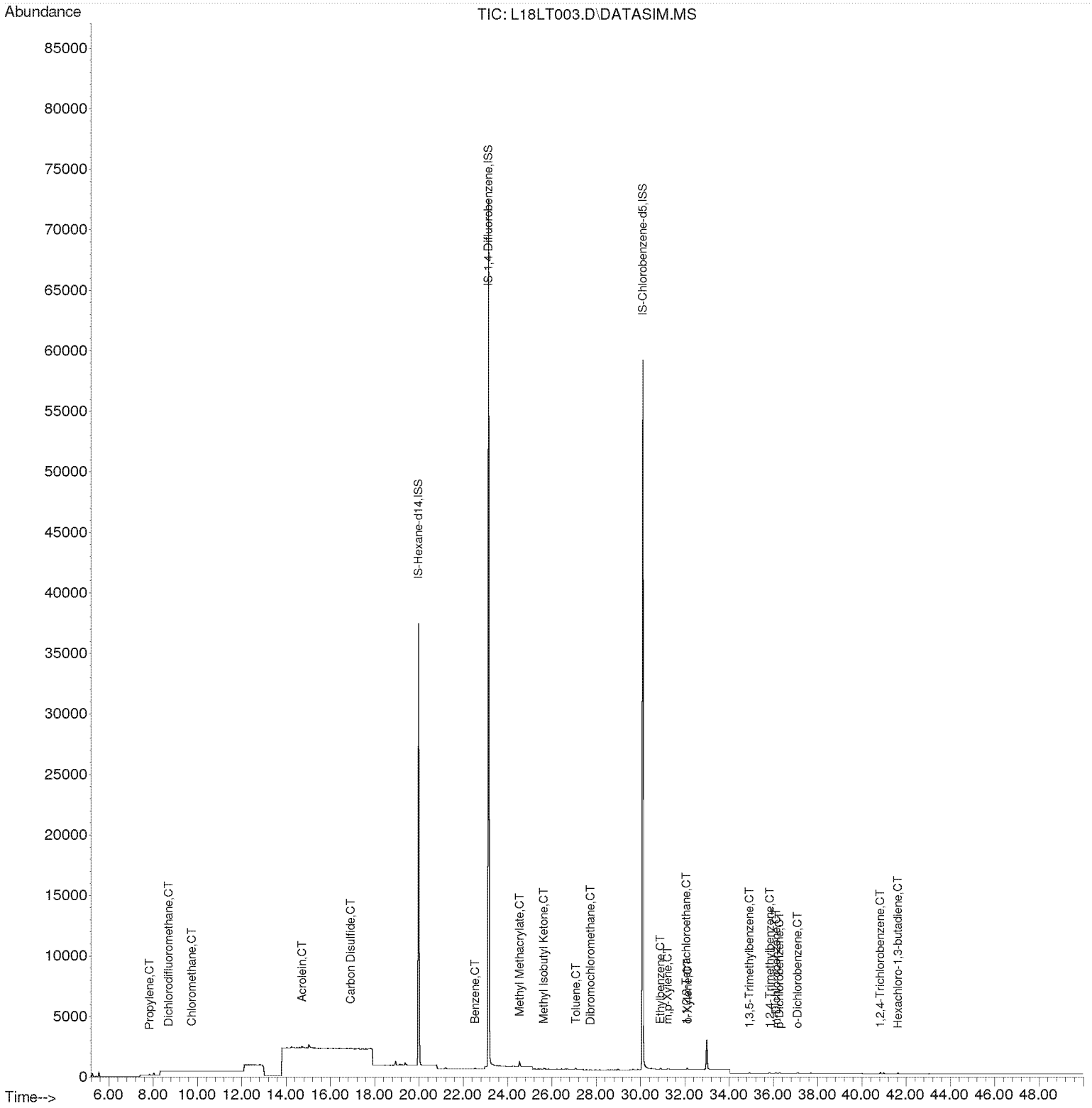
Target Compounds					Qvalue
[redacted]					
9) Ethylene oxide	0.000	29	0	N.D.	d

[redacted]

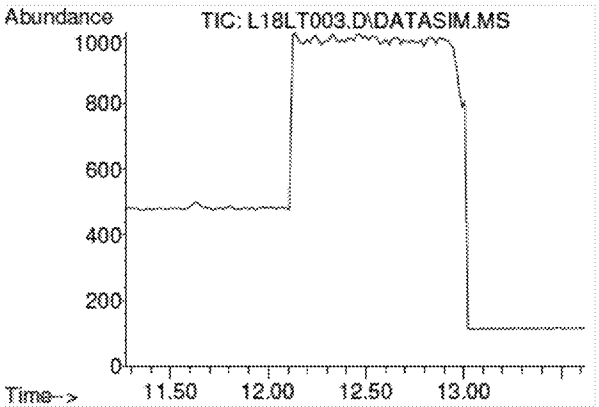
Quantitation Report (QT Reviewed)

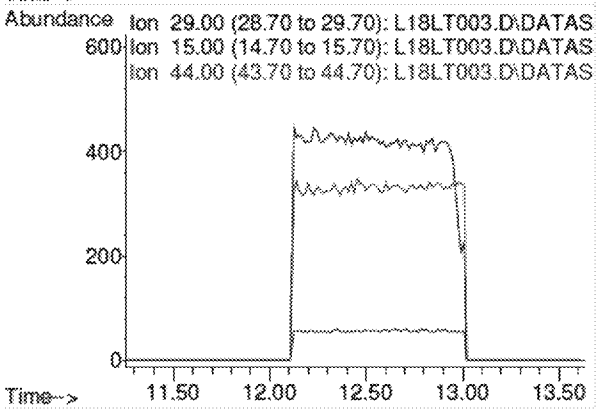
Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT003.D
Acq On : 20 Dec 2018 6:29 am
Operator : MAH
Sample : B8L2003-BLK1
Misc : 80 ML 8L13001
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 21 06:25:35 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



[redacted]





#9
Ethylene oxide
Concen: N.D.
Expected RT: 12.38 min

Lab File: L18LT003.D
Acq: 20 Dec 2018 6:29 am

Tgt Ion: 29

Sig	Exp Ratio
29	100
15	20.3
44	90.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT004.D
Acq On : 20 Dec 2018 8:34 am
Operator : MAH
Sample : 8112702-14
Misc : GOWER MS 11/25/18
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 21 06:53:33 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.993	66	55449	4.7700 ppbv	0.00

[redacted]

System Monitoring Compounds

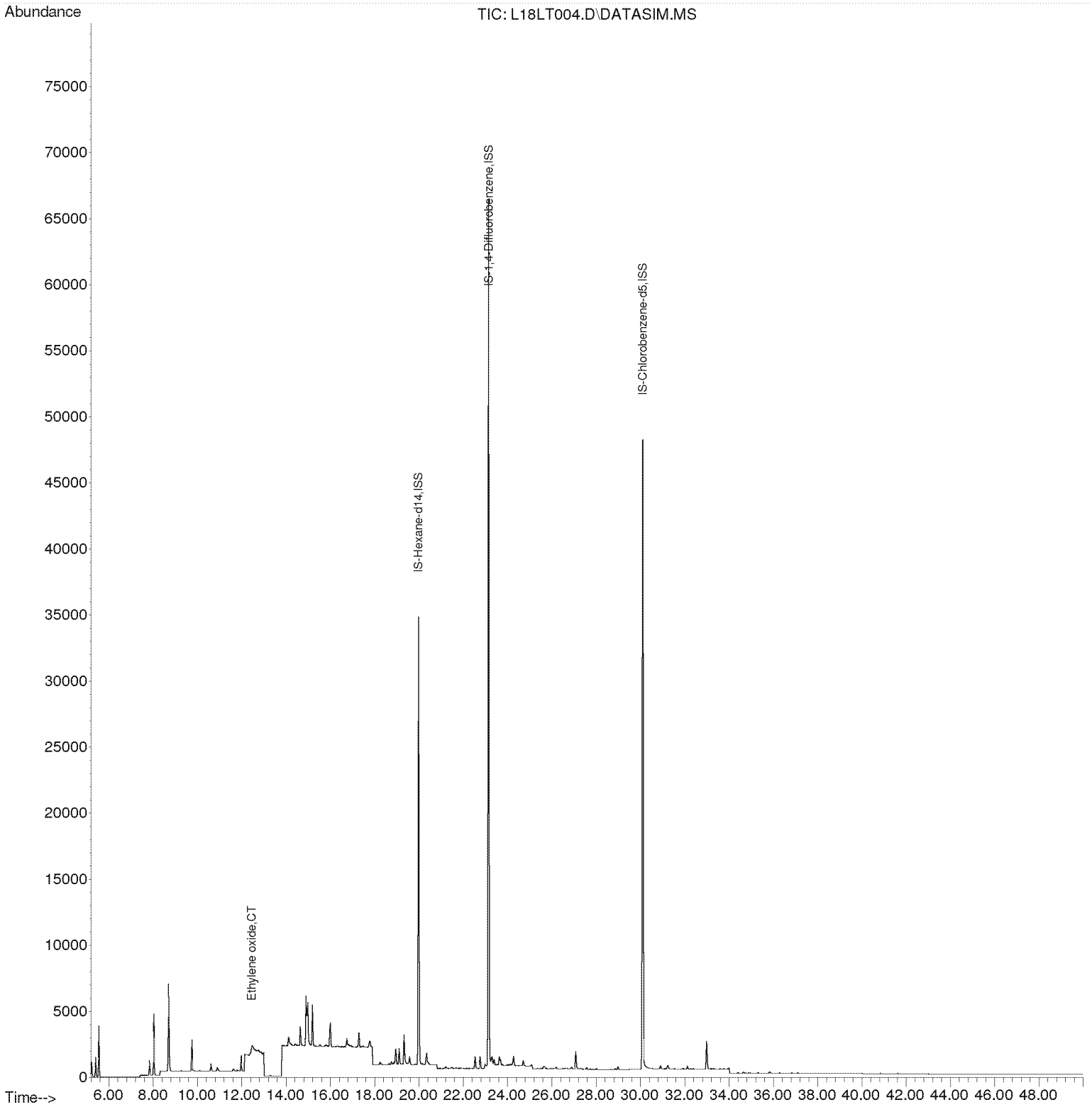
Target Compounds					Qvalue
[redacted]					
9) Ethylene oxide	12.455	29	660m	0.1991 ppbv	

[redacted]

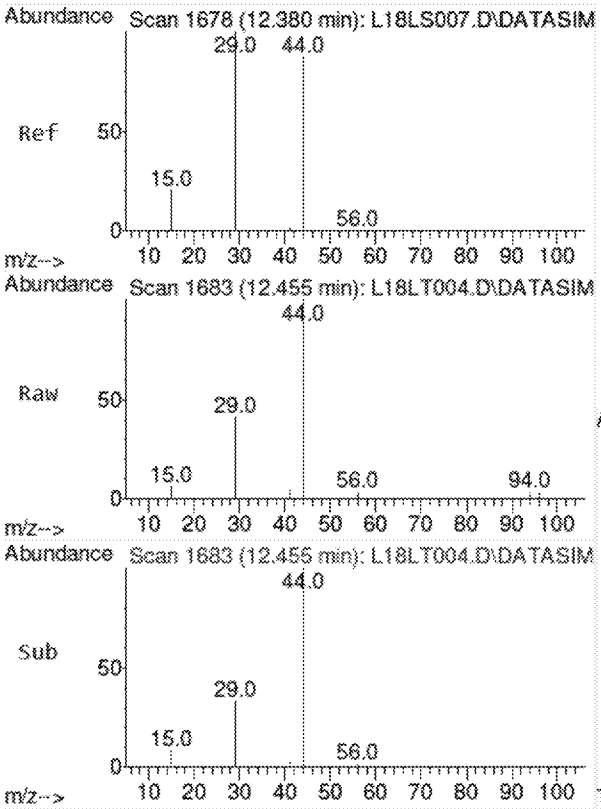
Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT004.D
Acq On : 20 Dec 2018 8:34 am
Operator : MAH
Sample : 8112702-14
Misc : GOWER MS 11/25/18
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 21 06:25:40 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



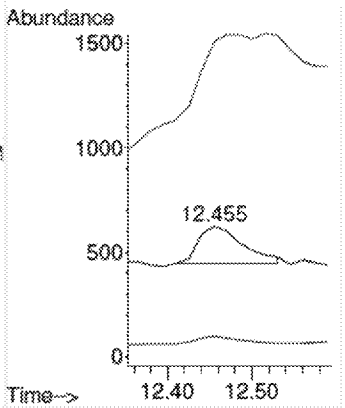
[redacted]



#9
Ethylene oxide
Concen: 0.199 ppbv m
RT: 12.455 min Scan# 1683
Delta R.T. 0.075 min
Lab File: L18LT004.D
Acq: 20 Dec 2018 8:34 am

Tgt Ion: 29 Resp: 660

Ion	Ratio	Lower	Upper
29	100		
15	0.0	16.2	24.4#
44	0.0	72.0	108.0#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT006.D
Acq On : 20 Dec 2018 9:34 am
Operator : MAH
Sample : 8112702-15
Misc : GOWER ES 11/25/18
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 21 06:54:02 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

EDX only

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.993	66	58463	4.7700 ppbv	0.00

[redacted]

System Monitoring Compounds

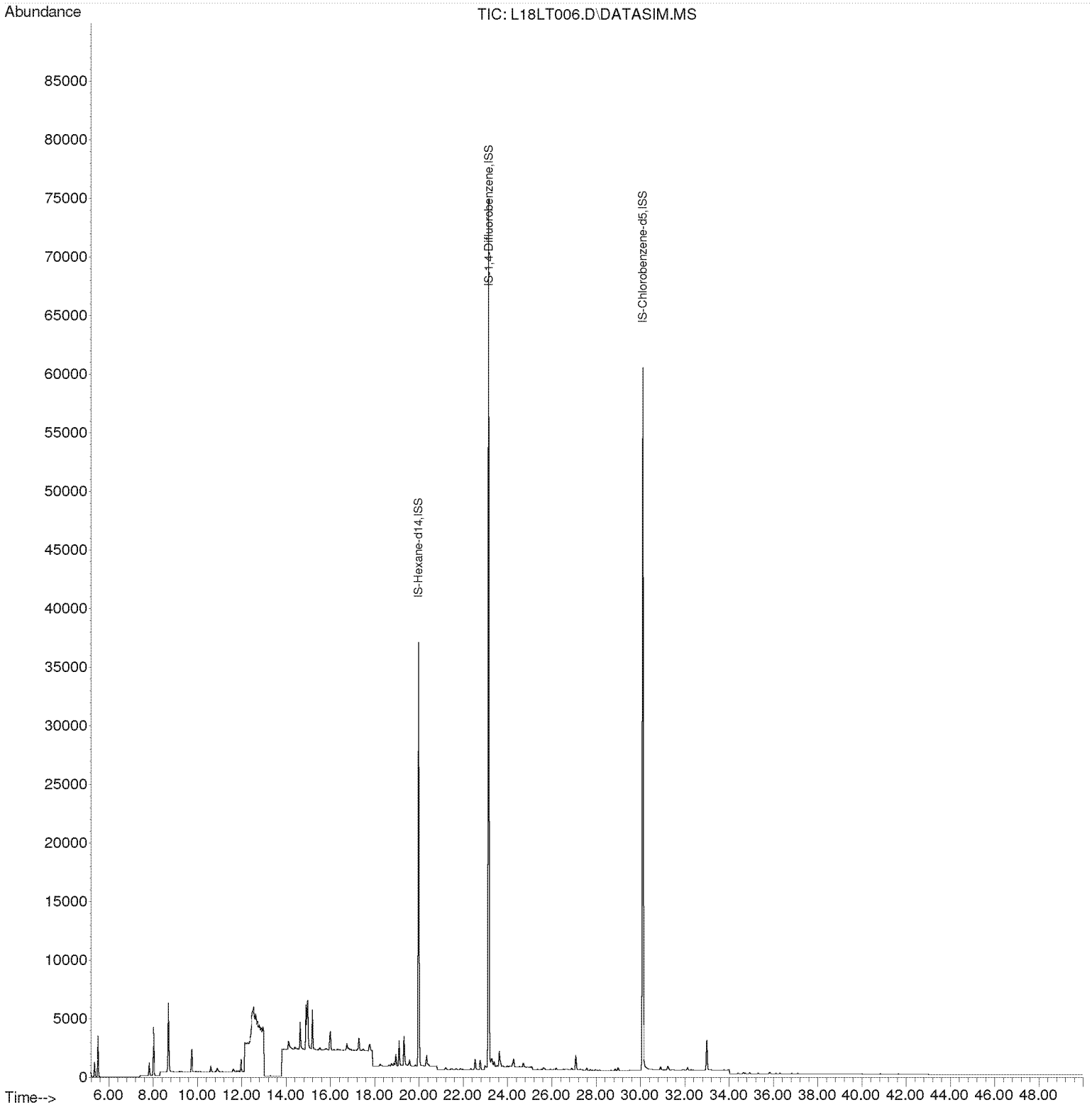
Target Compounds					Qvalue
[redacted]					
9) Ethylene oxide	0.000	29	0	N.D.	d)

[redacted]

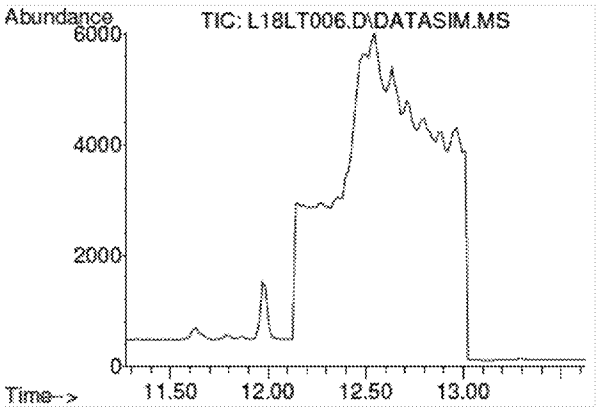
Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT006.D
Acq On : 20 Dec 2018 9:34 am
Operator : MAH
Sample : 8112702-15
Misc : GOWER ES 11/25/18
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 21 06:25:44 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



[redacted]

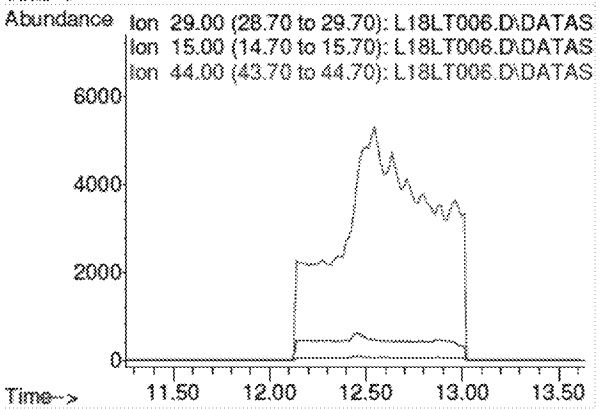


#9
Ethylene oxide
Concen: N.D.
Expected RT: 12.38 min

Lab File: L18LT006.D
Acq: 20 Dec 2018 9:34 am

Tgt Ion: 29

Sig	Exp Ratio
29	100
15	20.3
44	90.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT007.D
Acq On : 20 Dec 2018 10:40 am
Operator : MAH
Sample : 8112702-16
Misc : HINSDALE S. HS
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 21 06:54:44 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.970	66	55685	4.7700 ppbv	-0.02

[redacted]

System Monitoring Compounds

Target Compounds					Qvalue

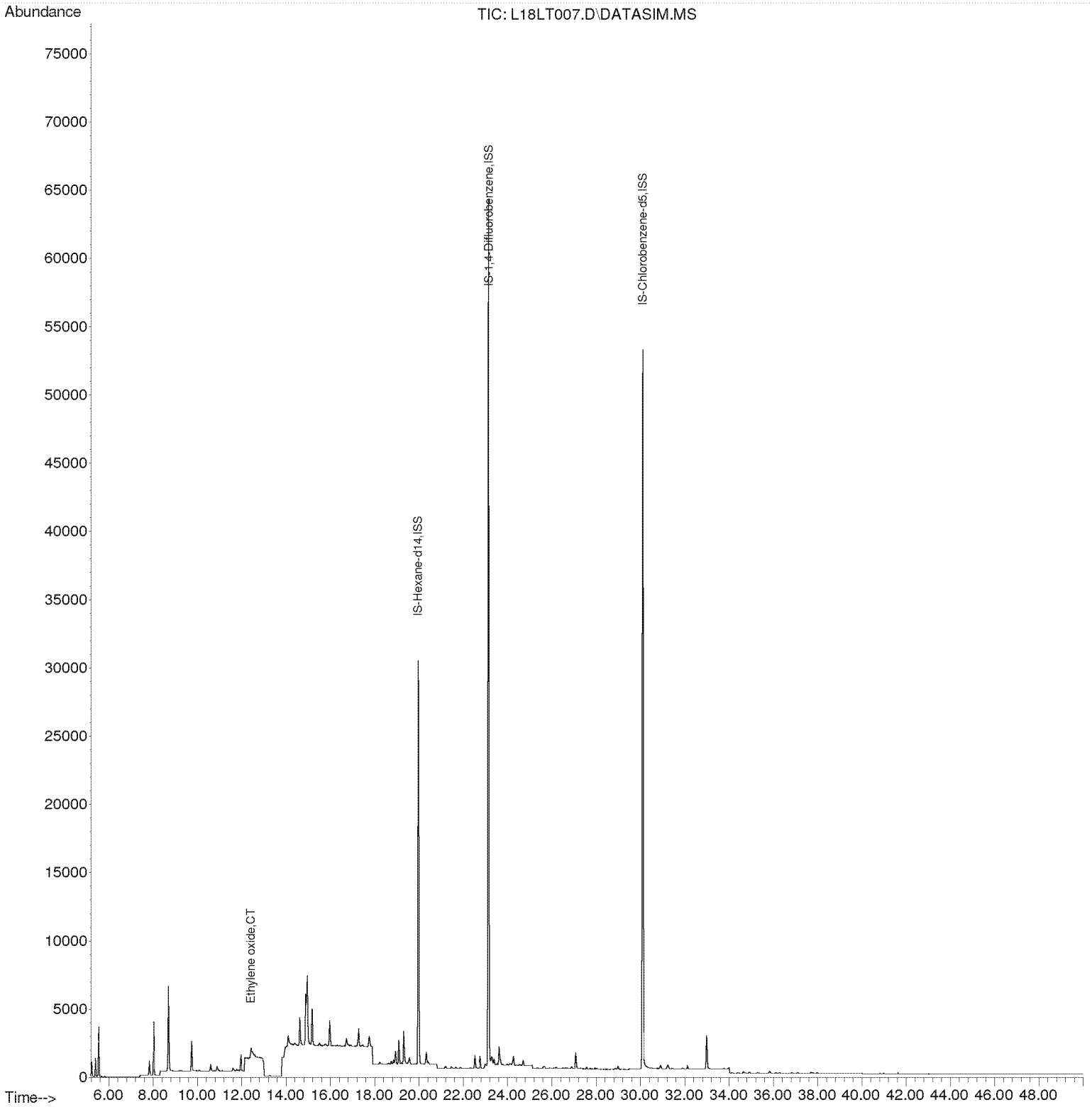
[redacted]

9) Ethylene oxide	12.425	29	1226m	0.3683 ppbv	

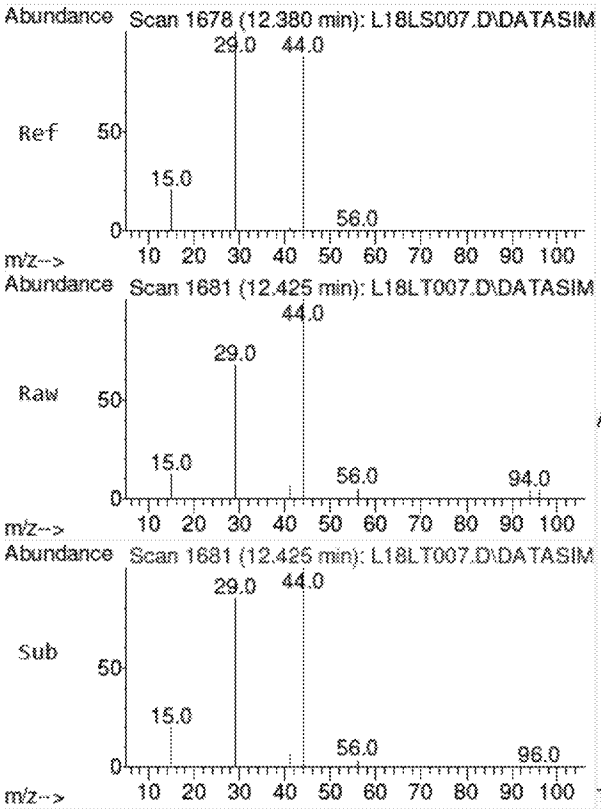
[redacted]

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT007.D
Acq On : 20 Dec 2018 10:40 am
Operator : MAH
Sample : 8112702-16
Misc : HINSDALE S. HS
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 21 06:25:48 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



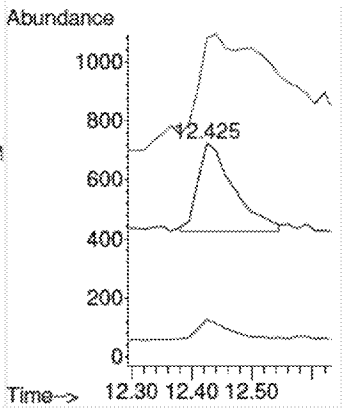
[redacted]



#9
Ethylene oxide
Concen: 0.368 ppbv m
RT: 12.425 min Scan# 1681
Delta R.T. 0.045 min
Lab File: L18LT007.D
Acq: 20 Dec 2018 10:40 am

Tgt Ion: 29 Resp: 1226

Ion	Ratio	Lower	Upper
29	100		
15	0.0	16.2	24.4#
44	0.0	72.0	108.0#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT008.D
Acq On : 20 Dec 2018 11:42 am
Operator : MAH
Sample : 8112702-17
Misc : WILLOW POND PARK 11/25/18
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 21 06:55:22 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS-Hexane-d14	19.991	66	53110	4.7700	ppbv	0.00

[redacted]

System Monitoring Compounds

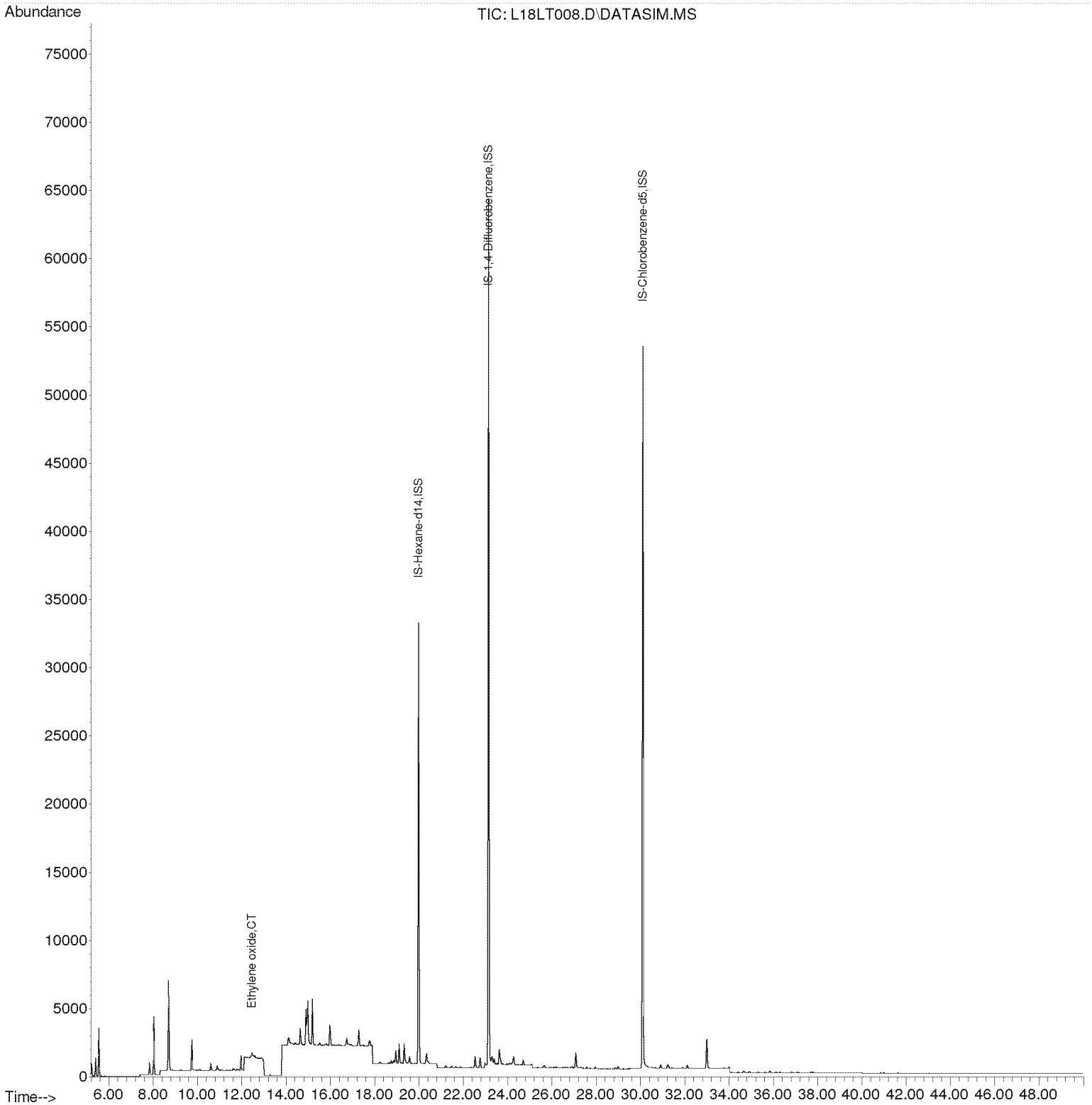
Target Compounds						Qvalue
[redacted]						
9) Ethylene oxide	12.453	29	607	0.1912	ppbv #	1

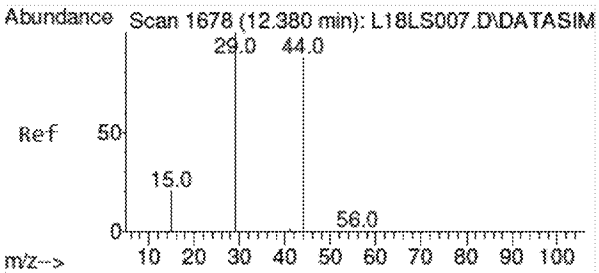
[redacted]

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT008.D
Acq On : 20 Dec 2018 11:42 am
Operator : MAH
Sample : 8112702-17
Misc : WILLOW POND PARK 11/25/18
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 20 14:05:12 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

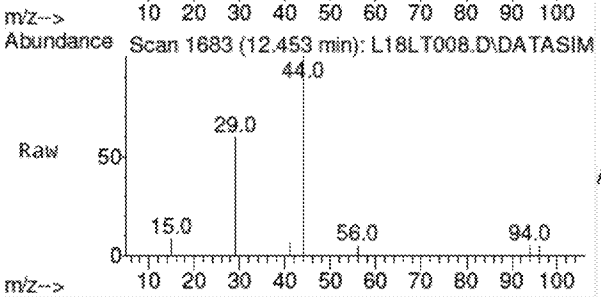


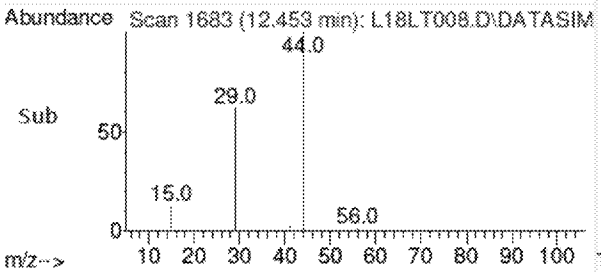


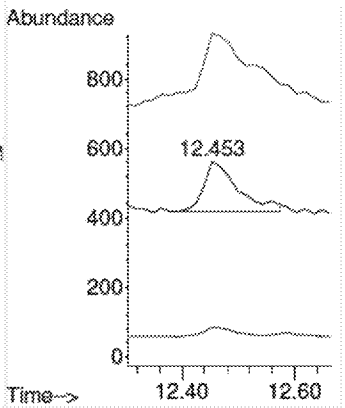
#9
Ethylene oxide
Concen: 0.191 ppbv
RT: 12.453 min Scan# 1683
Delta R.T. 0.073 min
Lab File: L18LT008.D
Acq: 20 Dec 2018 11:42 am

Tgt Ion: 29 Resp: 607

Ion	Ratio	Lower	Upper
29	100		
15	18.5	16.2	24.4
44	231.5	72.0	108.0#







Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT009.D
Acq On : 20 Dec 2018 12:44 pm
Operator : MAH
Sample : 8120321-01
Misc : WB WAREHOUSE C1 11/28/18
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 21 06:56:03 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.993	66	55683	4.7700 ppbv	0.00

[redacted]

System Monitoring Compounds

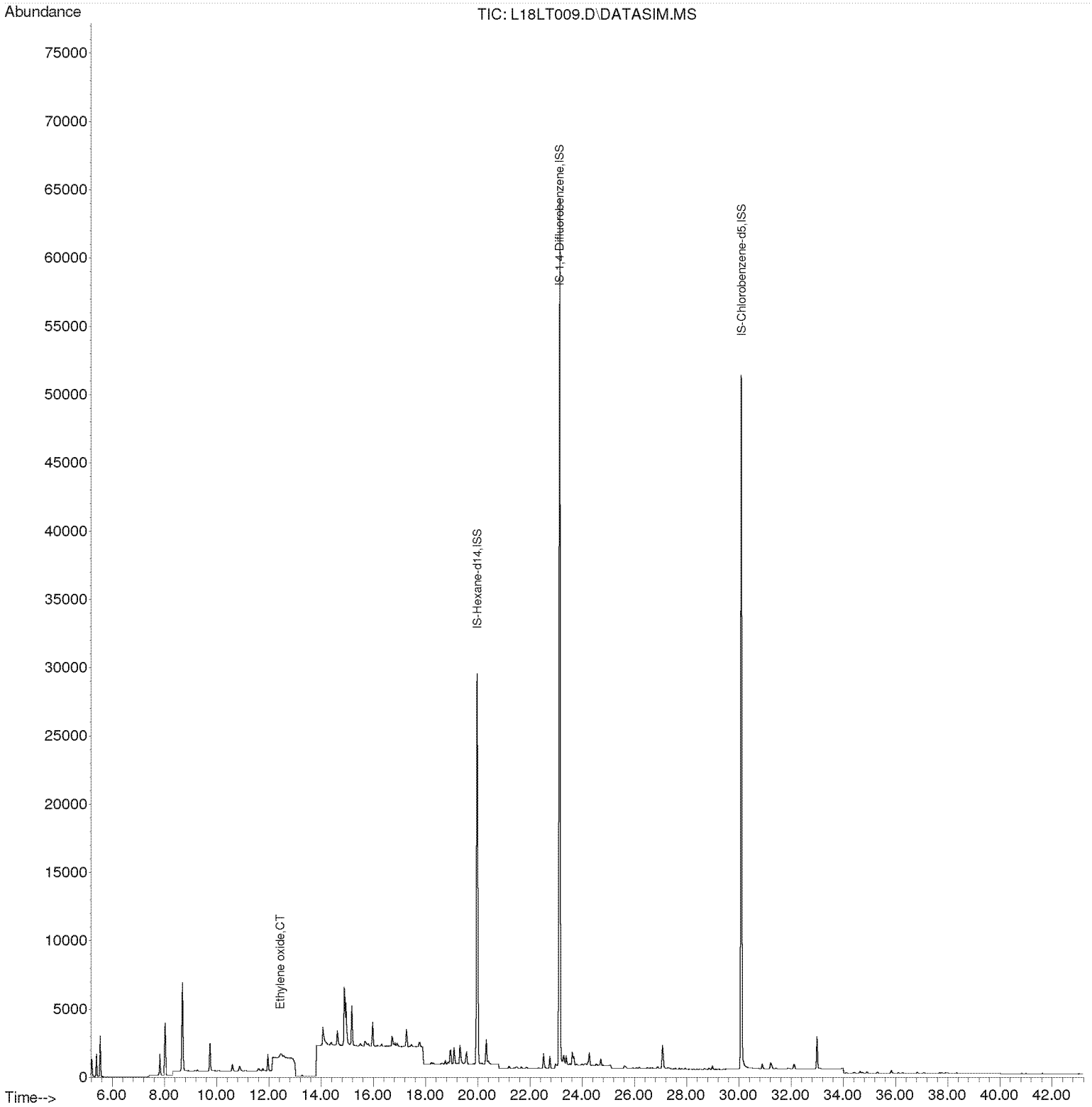
Target Compounds					Qvalue
[redacted]					
9) Ethylene oxide	12.455	29	456	0.1370 ppbv #	1

[redacted]

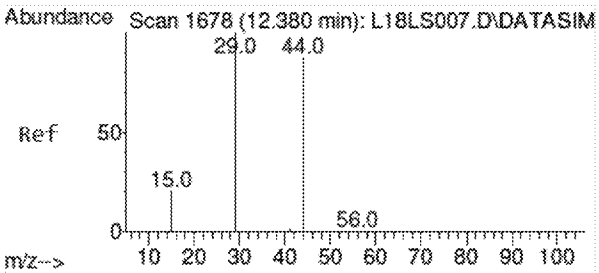
Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT009.D
Acq On : 20 Dec 2018 12:44 pm
Operator : MAH
Sample : 8120321-01
Misc : WB WAREHOUSE C1 11/28/18
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 21 06:25:56 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



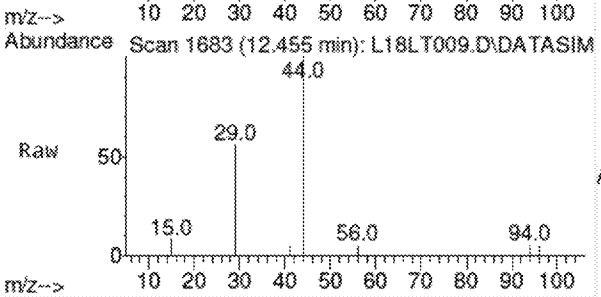
[redacted]

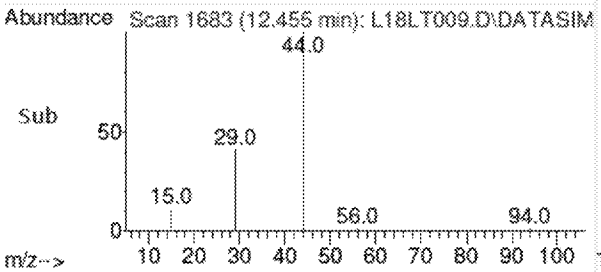


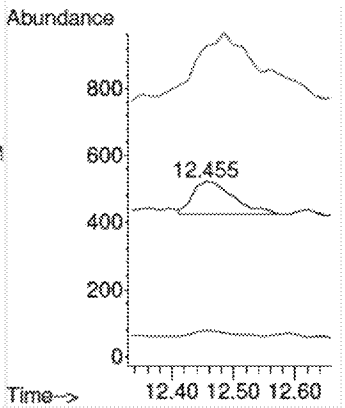
#9
Ethylene oxide
Concen: 0.137 ppbv
RT: 12.455 min Scan# 1683
Delta R.T. 0.075 min
Lab File: L18LT009.D
Acq: 20 Dec 2018 12:44 pm

Tgt Ion: 29 Resp: 456

Ion	Ratio	Lower	Upper
29	100		
15	16.2	16.2	24.4#
44	392.8	72.0	108.0#







Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT010.D
Acq On : 20 Dec 2018 2:23 pm
Operator : MAH
Sample : 8120321-02
Misc : EPA WB WAREHOUSE C2 11/28/18
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 21 06:56:57 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS-Hexane-d14	19.991	66	50107	4.7700	ppbv	0.00

[redacted]

System Monitoring Compounds

Target Compounds						Qvalue

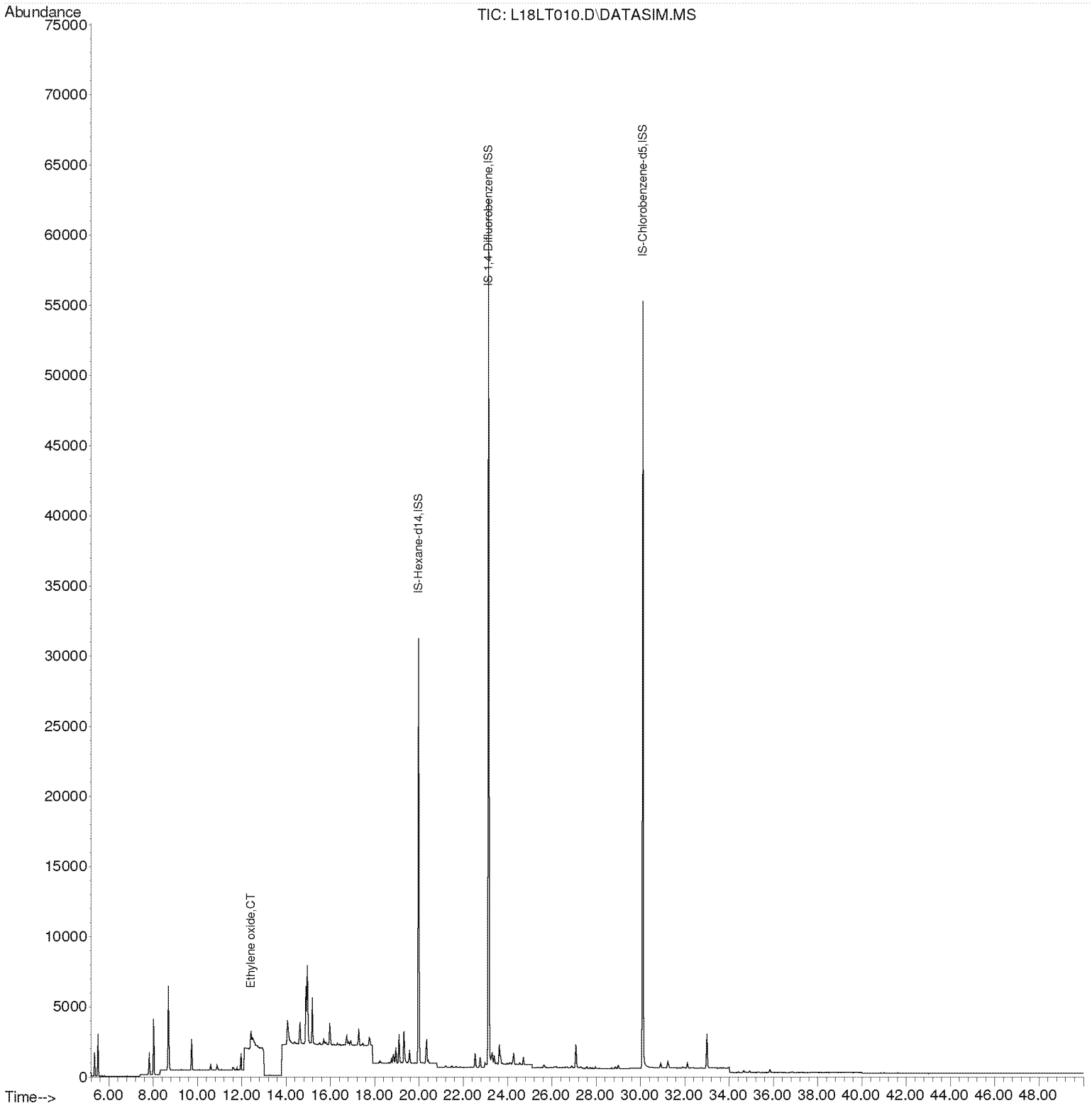
[redacted]

9) Ethylene oxide	12.423	29	1891	0.6314	ppbv #	22

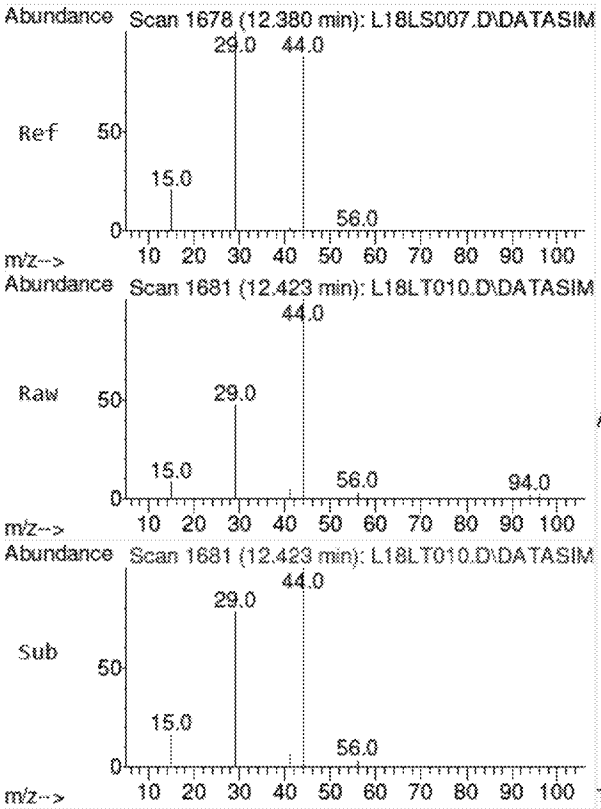
[redacted]

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT010.D
Acq On : 20 Dec 2018 2:23 pm
Operator : MAH
Sample : 8120321-02
Misc : EPA WB WAREHOUSE C2 11/28/18
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 21 06:26:09 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



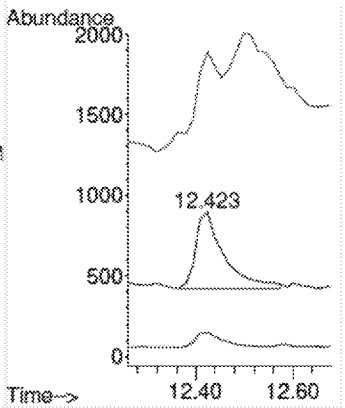
[redacted]



#9
Ethylene oxide
Concen: 0.631 ppbv
RT: 12.423 min Scan# 1681
Delta R.T. 0.043 min
Lab File: L18LT010.D
Acq: 20 Dec 2018 2:23 pm

Tgt Ion: 29 Resp: 1891

Ion	Ratio	Lower	Upper
29	100		
15	20.5	16.2	24.4
44	0.0	72.0	108.0#



Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT011.D
Acq On : 20 Dec 2018 3:25 pm
Operator : MAH
Sample : B8L2003-DUP1
Misc : EPA WB WAREHOUSE R1 11/28/18
ALS Vial : 11 Sample Multiplier: 1

Corrected Sample ID RMB 12/21/18

Quant Time: Dec 21 06:26:16 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.992	66	50321	4.7700 ppbv	0.00

[redacted]

System Monitoring Compounds

Target Compounds					Qvalue

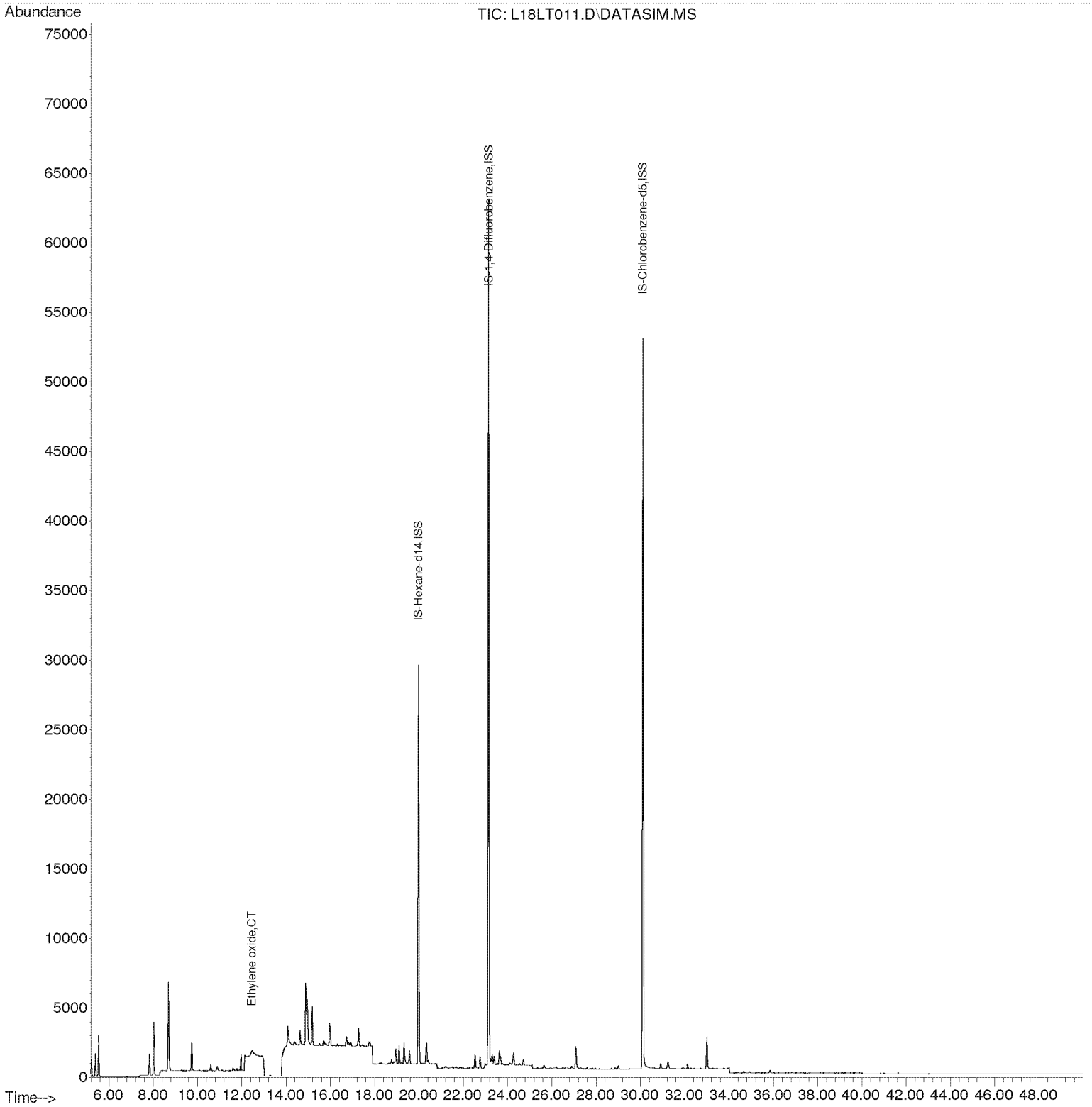
[redacted]

9) Ethylene oxide	12.455	29	412m	0.1370 ppbv	

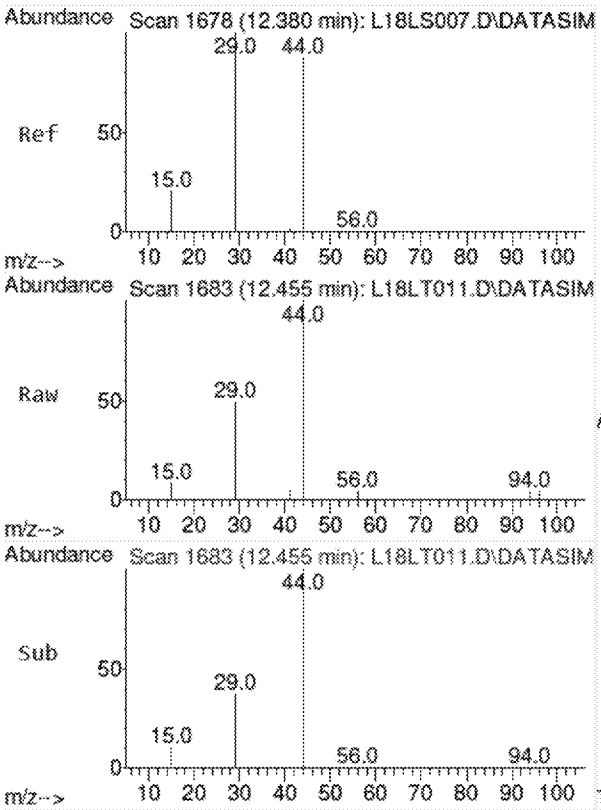
[redacted]

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT011.D
Acq On : 20 Dec 2018 3:25 pm
Operator : MAH
Sample : B8L2003-DUP1
Misc : EPA WB WAREHOUSE R1 11/28/18
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 21 06:26:16 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



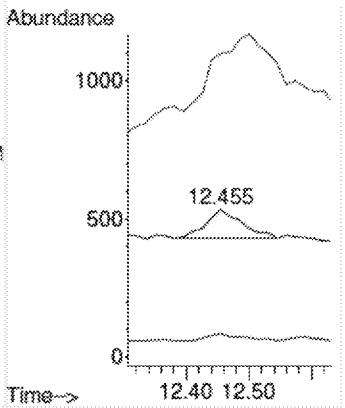
[redacted]



#9
Ethylene oxide
Concen: 0.137 ppbv m
RT: 12.455 min Scan# 1683
Delta R.T. 0.075 min
Lab File: L18LT011.D
Acq: 20 Dec 2018 3:25 pm

Tgt Ion: 29 Resp: 412

Ion	Ratio	Lower	Upper
29	100		
15	0.0	16.2	24.4#
44	0.0	72.0	108.0#



Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT012.D
Acq On : 20 Dec 2018 4:27 pm
Operator : MAH
Sample : B8L2003-DUP2
Misc : EPA WB WAREHOUSE R2 11/28/18
ALS Vial : 12 Sample Multiplier: 1

Corrected Sample ID RMB 12/21/18

Quant Time: Dec 21 06:26:23 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.993	66	49991	4.7700 ppbv	0.00

[redacted]

System Monitoring Compounds

Target Compounds					Qvalue

[redacted]

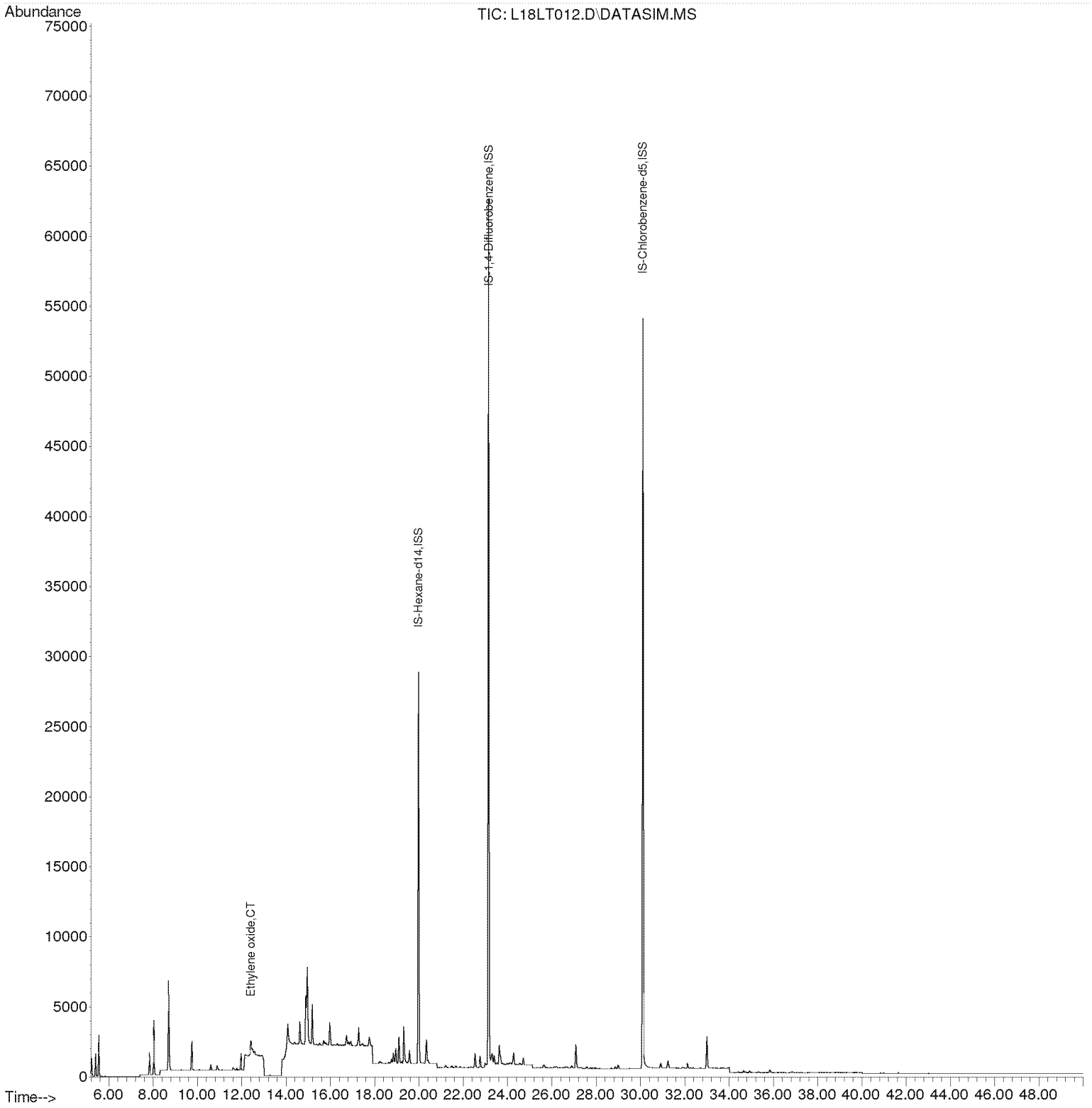
9) Ethylene oxide	12.410	29	1745	0.5840 ppbv #	1

[redacted]

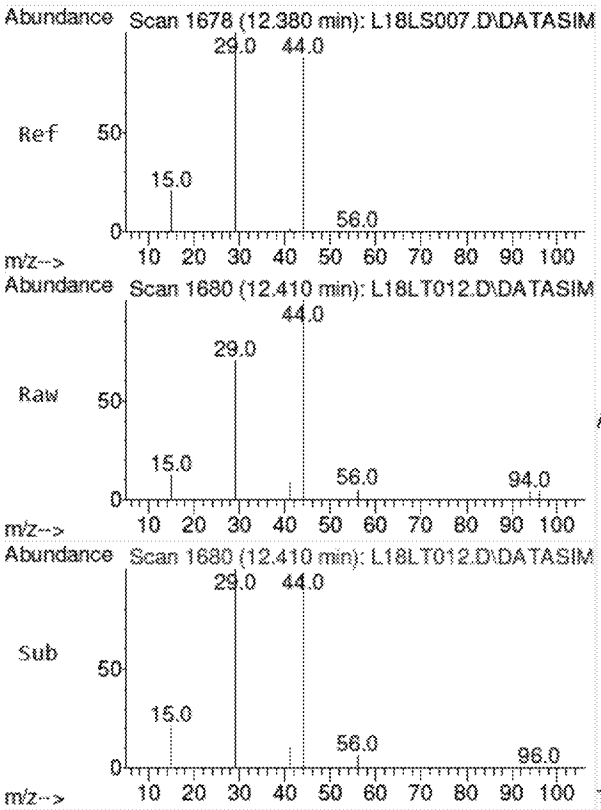
Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT012.D
Acq On : 20 Dec 2018 4:27 pm
Operator : MAH
Sample : B8L2003-DUP2
Misc : EPA WB WAREHOUSE R2 11/28/18
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Dec 21 06:26:23 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



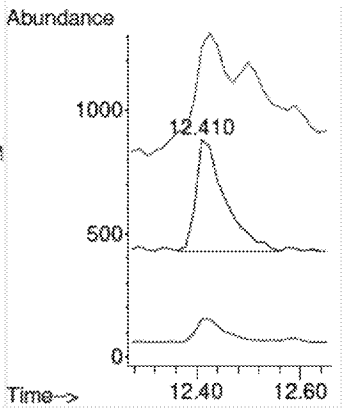
[redacted]



#9
Ethylene oxide
Concen: 0.584 ppbv
RT: 12.410 min Scan# 1680
Delta R.T. 0.030 min
Lab File: L18LT012.D
Acq: 20 Dec 2018 4:27 pm

Tgt Ion: 29 Resp: 1745

Ion	Ratio	Lower	Upper
29	100		
15	22.1	16.2	24.4
44	231.6	72.0	108.0#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT013.D
Acq On : 20 Dec 2018 5:27 pm
Operator : MAH
Sample : 8120321-03
Misc : HINSDALE S. HS 11/28/18
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 21 07:00:19 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.993	66	57065	4.7700 ppbv	0.00

[redacted]

System Monitoring Compounds

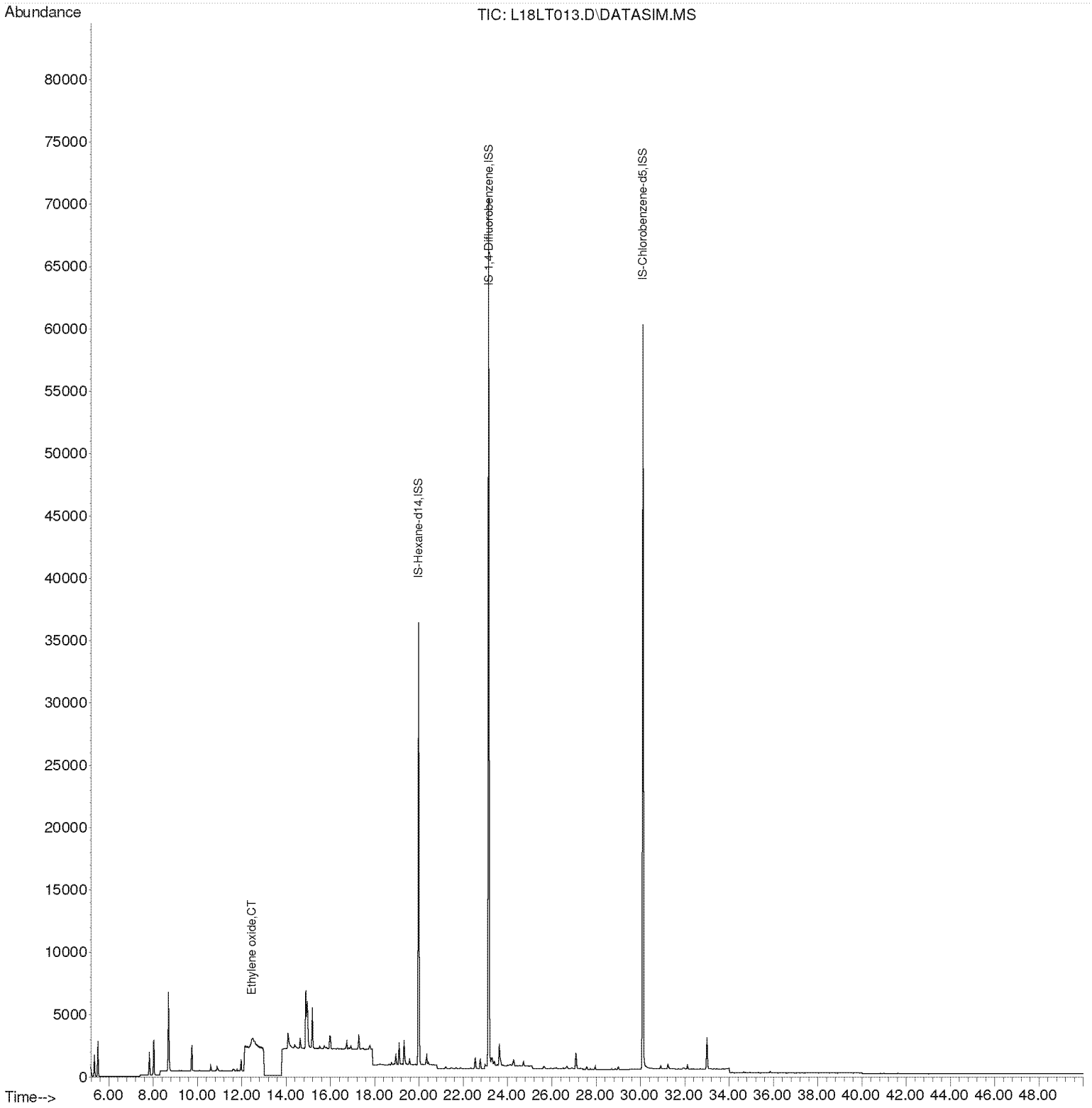
Target Compounds					Qvalue
[redacted]					
9) Ethylene oxide	12.455	29	710	0.2082 ppbv #	1

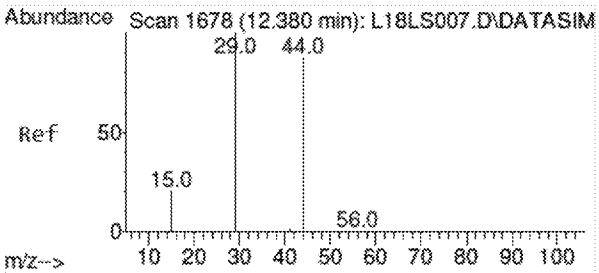
[redacted]

Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT013.D
Acq On : 20 Dec 2018 5:27 pm
Operator : MAH
Sample : 8120321-03
Misc : HINSDALE S. HS 11/28/18
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 21 06:26:31 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

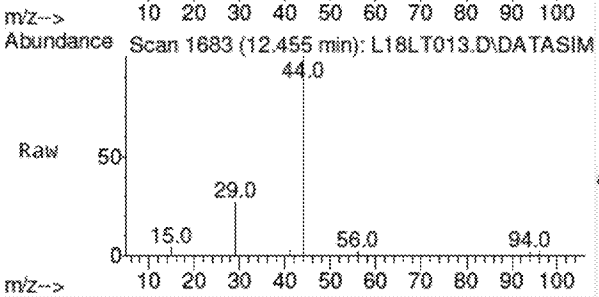


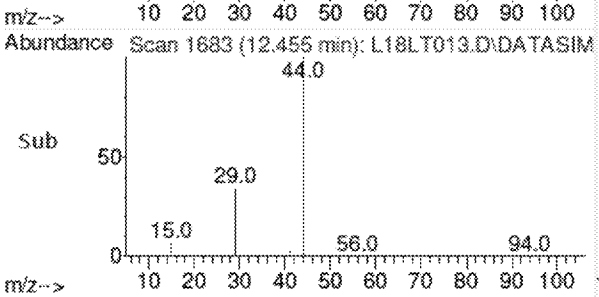


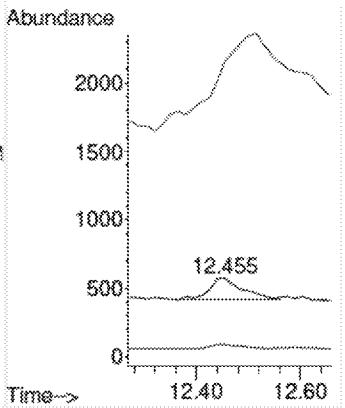
#9
Ethylene oxide
Concen: 0.208 ppbv
RT: 12.455 min Scan# 1683
Delta R.T. 0.075 min
Lab File: L18LT013.D
Acq: 20 Dec 2018 5:27 pm

Tgt Ion: 29 Resp: 710

Ion	Ratio	Lower	Upper
29	100		
15	19.2	16.2	24.4
44	844.6	72.0	108.0#







Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT014.D
Acq On : 20 Dec 2018 6:29 pm
Operator : MAH
Sample : 8120321-04
Misc : WATER TOWER 1/28/18
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 21 07:00:59 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.991	66	51894	4.7700 ppbv	0.00

[redacted]

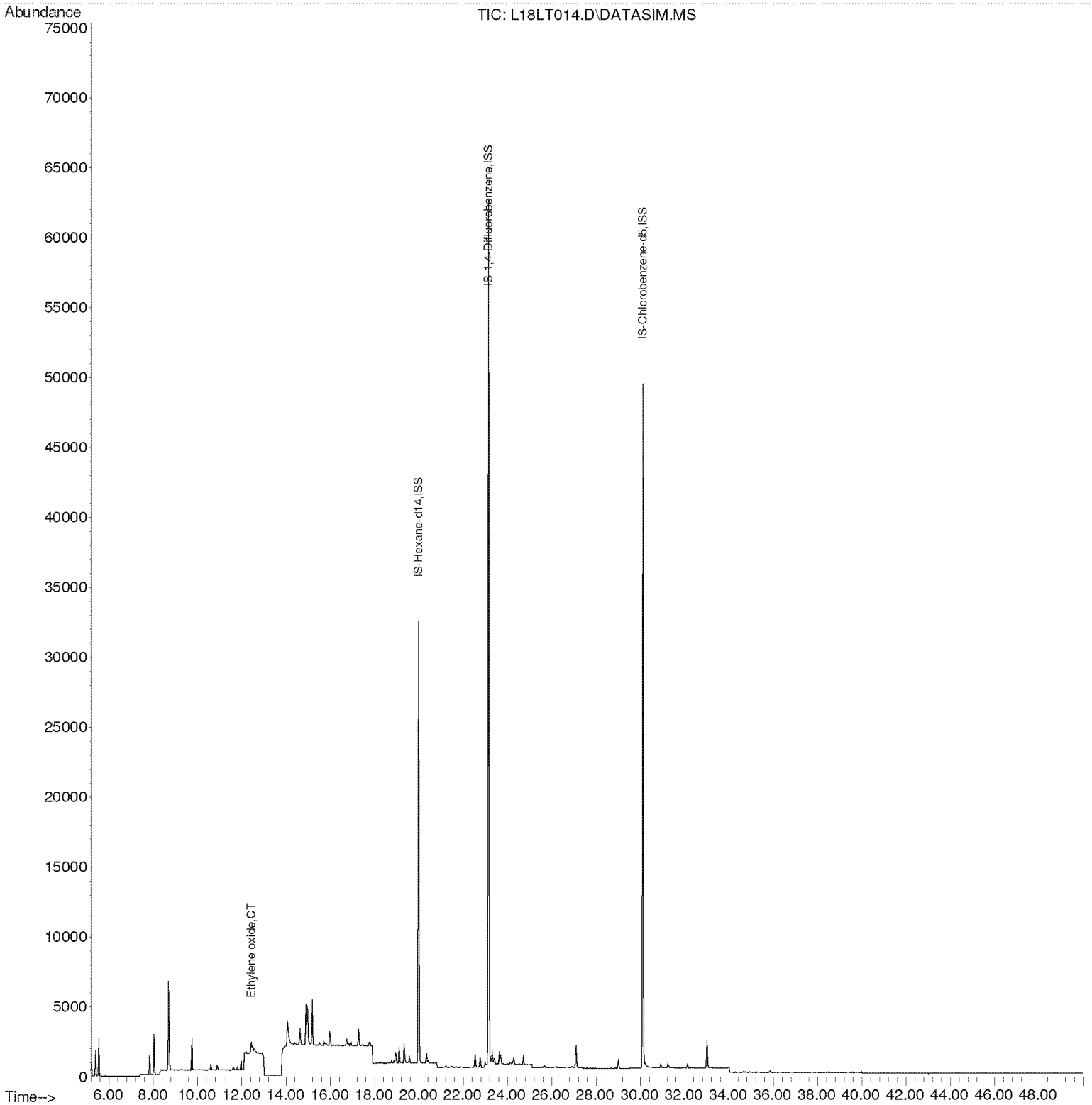
System Monitoring Compounds

Target Compounds					Qvalue
[redacted]					
9) Ethylene oxide	12.438	29	1201	0.3872 ppbv #	21

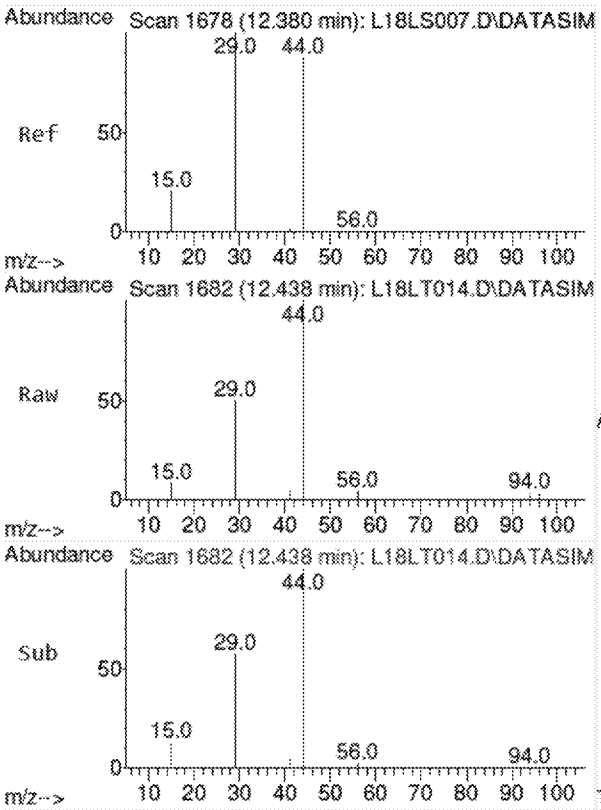
[redacted]

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT014.D
Acq On : 20 Dec 2018 6:29 pm
Operator : MAH
Sample : 8120321-04
Misc : WATER TOWER 1/28/18
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 21 06:26:38 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



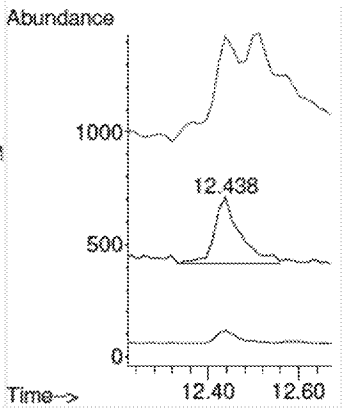
[redacted]



#9
Ethylene oxide
Concen: 0.387 ppbv
RT: 12.438 min Scan# 1682
Delta R.T. 0.058 min
Lab File: L18LT014.D
Acq: 20 Dec 2018 6:29 pm

Tgt Ion: 29 Resp: 1201

Ion	Ratio	Lower	Upper
29	100		
15	17.2	16.2	24.4
44	0.0	72.0	108.0#



Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT015.D
Acq On : 20 Dec 2018 7:29 pm
Operator : MAH
Sample : 8120321-05
Misc : WILLOW POND PARK 11/28/18
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 21 06:26:45 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.993	66	51355	4.7700 ppbv	0.00

[redacted]

System Monitoring Compounds

Target Compounds					Qvalue
[redacted]					
9) Ethylene oxide	12.440	29	774m	0.2522 ppbv	

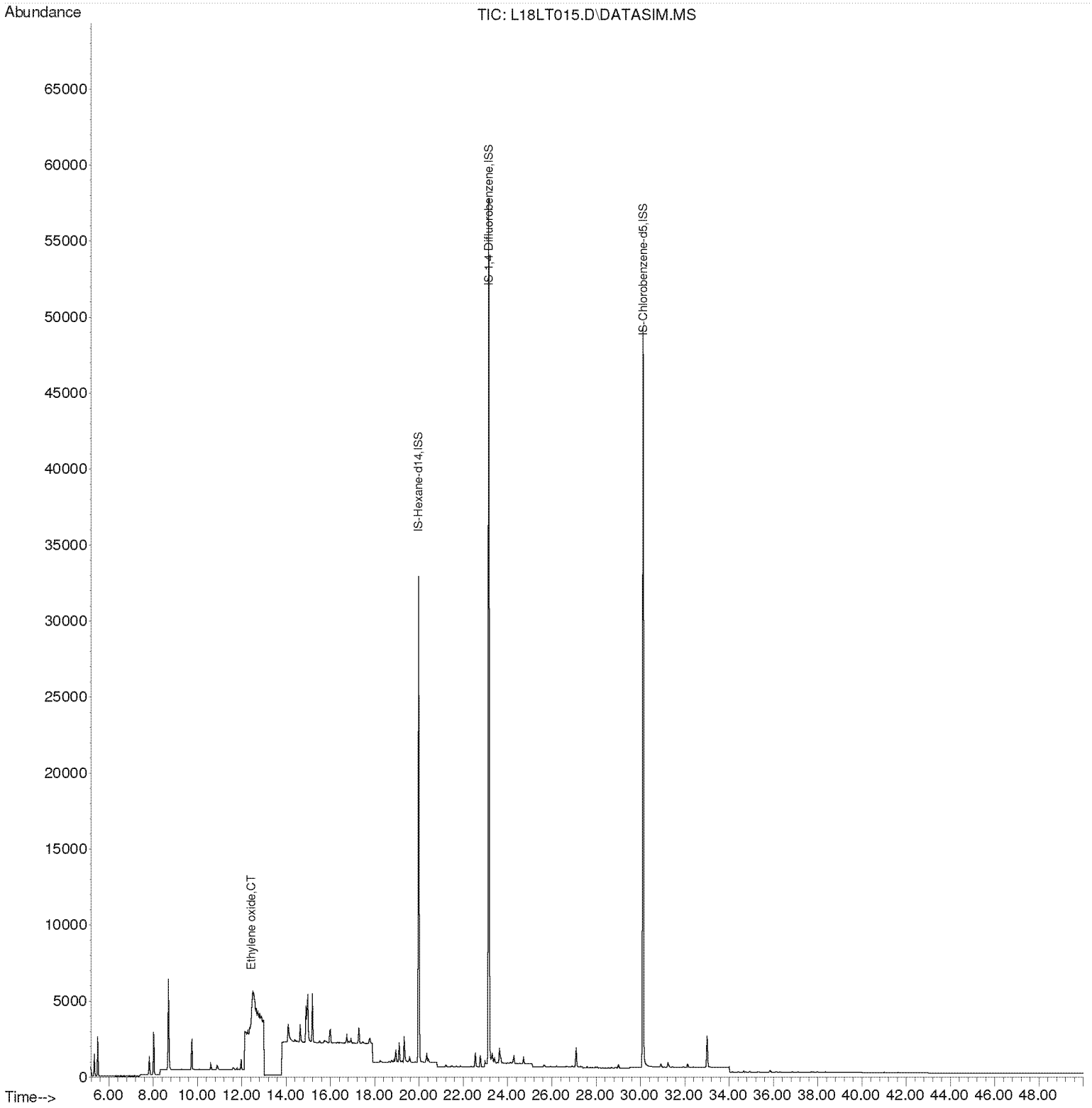
CMD 12/21/18

[redacted]

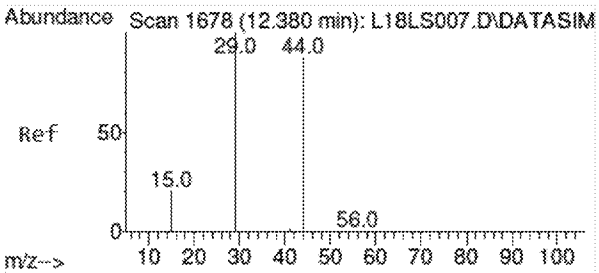
Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT015.D
Acq On : 20 Dec 2018 7:29 pm
Operator : MAH
Sample : 8120321-05
Misc : WILLOW POND PARK 11/28/18
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 21 06:26:45 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



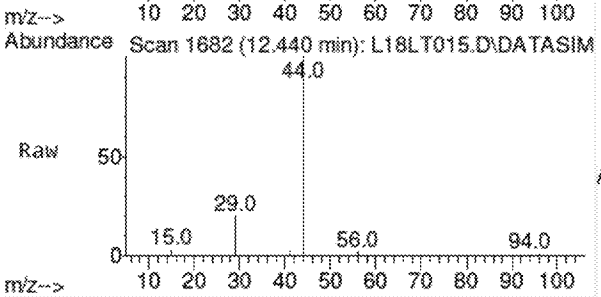
[redacted]

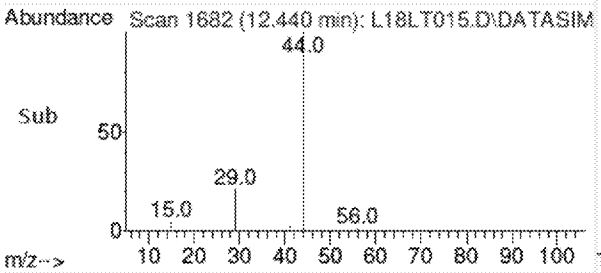


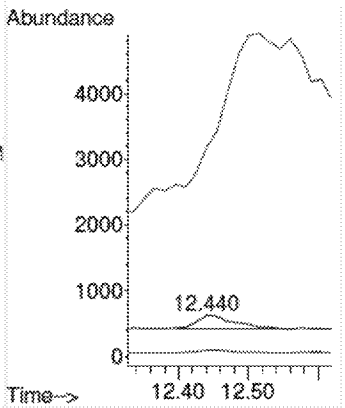
#9
Ethylene oxide
Concen: 0.252 ppbv m
RT: 12.440 min Scan# 1682
Delta R.T. 0.060 min
Lab File: L18LT015.D
Acq: 20 Dec 2018 7:29 pm

Tgt Ion: 29 Resp: 774

Ion	Ratio	Lower	Upper
29	100		
15	0.0	16.2	24.4#
44	0.0	72.0	108.0#







Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT016.D
Acq On : 20 Dec 2018 8:31 pm
Operator : MAH
Sample : 8120321-06
Misc : GOWER ES 11/28/18
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 21 07:02:32 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.993	66	50184	4.7700 ppbv	0.00

[redacted]

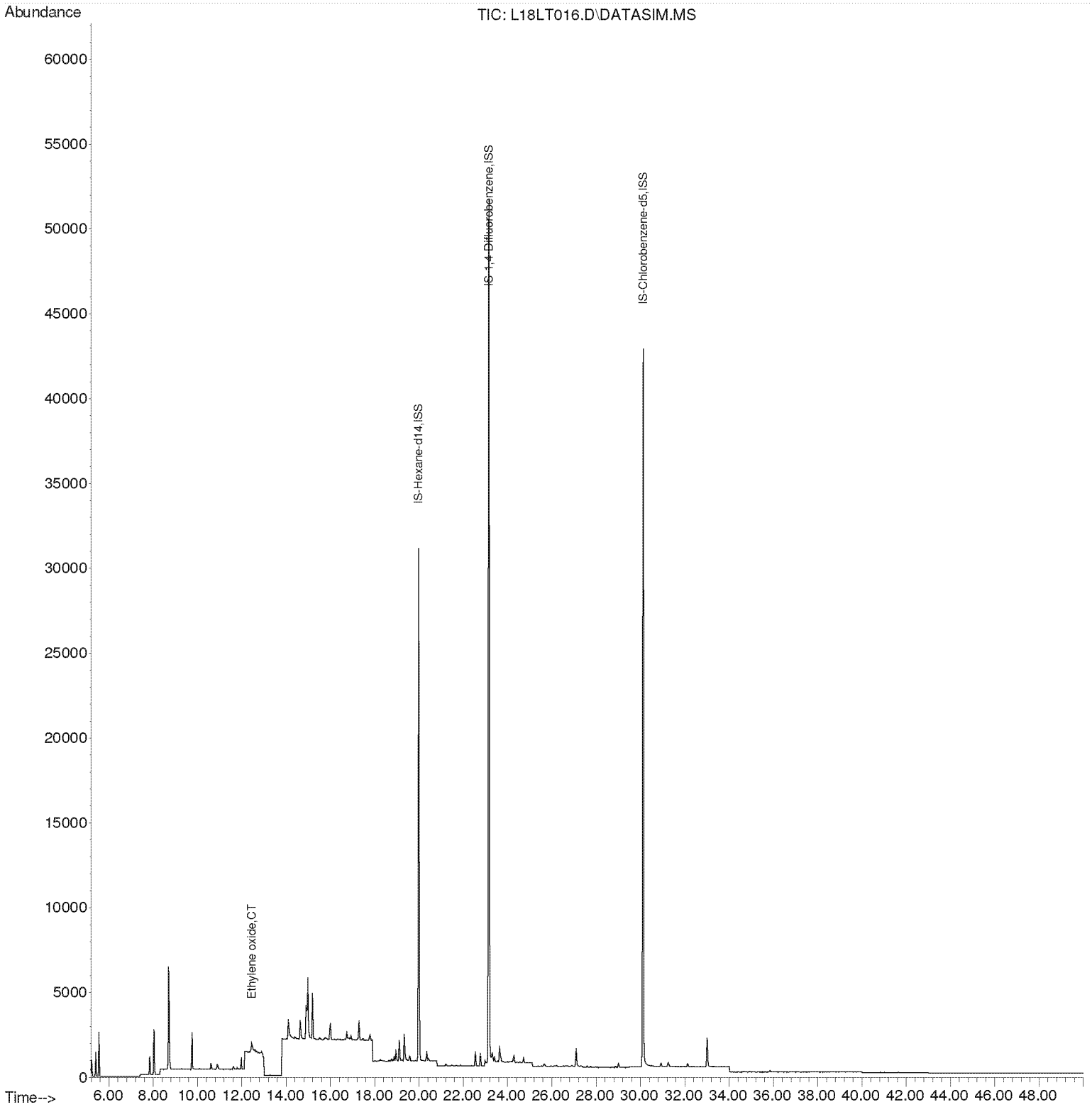
System Monitoring Compounds

Target Compounds					Qvalue
[redacted]					
9) Ethylene oxide	12.455	29	786m|\	0.2620 ppbv	

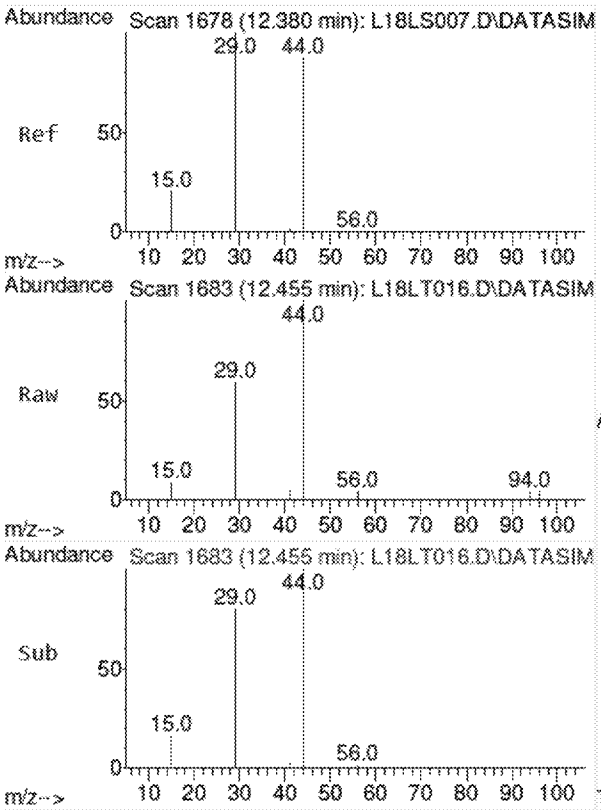
[redacted]

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT016.D
Acq On : 20 Dec 2018 8:31 pm
Operator : MAH
Sample : 8120321-06
Misc : GOWER ES 11/28/18
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 21 06:26:56 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



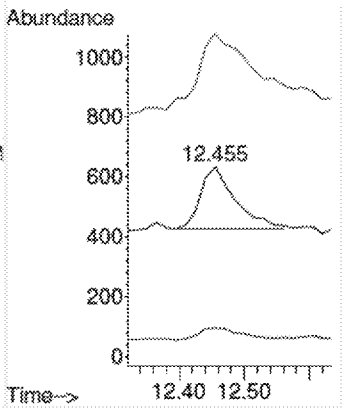
[redacted]



#9
Ethylene oxide
Concen: 0.262 ppbv m
RT: 12.455 min Scan# 1683
Delta R.T. 0.075 min
Lab File: L18LT016.D
Acq: 20 Dec 2018 8:31 pm

Tgt Ion: 29 Resp: 786

Ion	Ratio	Lower	Upper
29	100		
15	0.0	16.2	24.4#
44	0.0	72.0	108.0#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT017.D
Acq On : 20 Dec 2018 9:34 pm
Operator : MAH
Sample : 8120321-07
Misc : WEST NEIGHBORHOOD 11/28/18
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 21 07:02:56 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Est only
J = pt

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.993	66	51842	4.7700 ppbv	0.00

[redacted]

System Monitoring Compounds

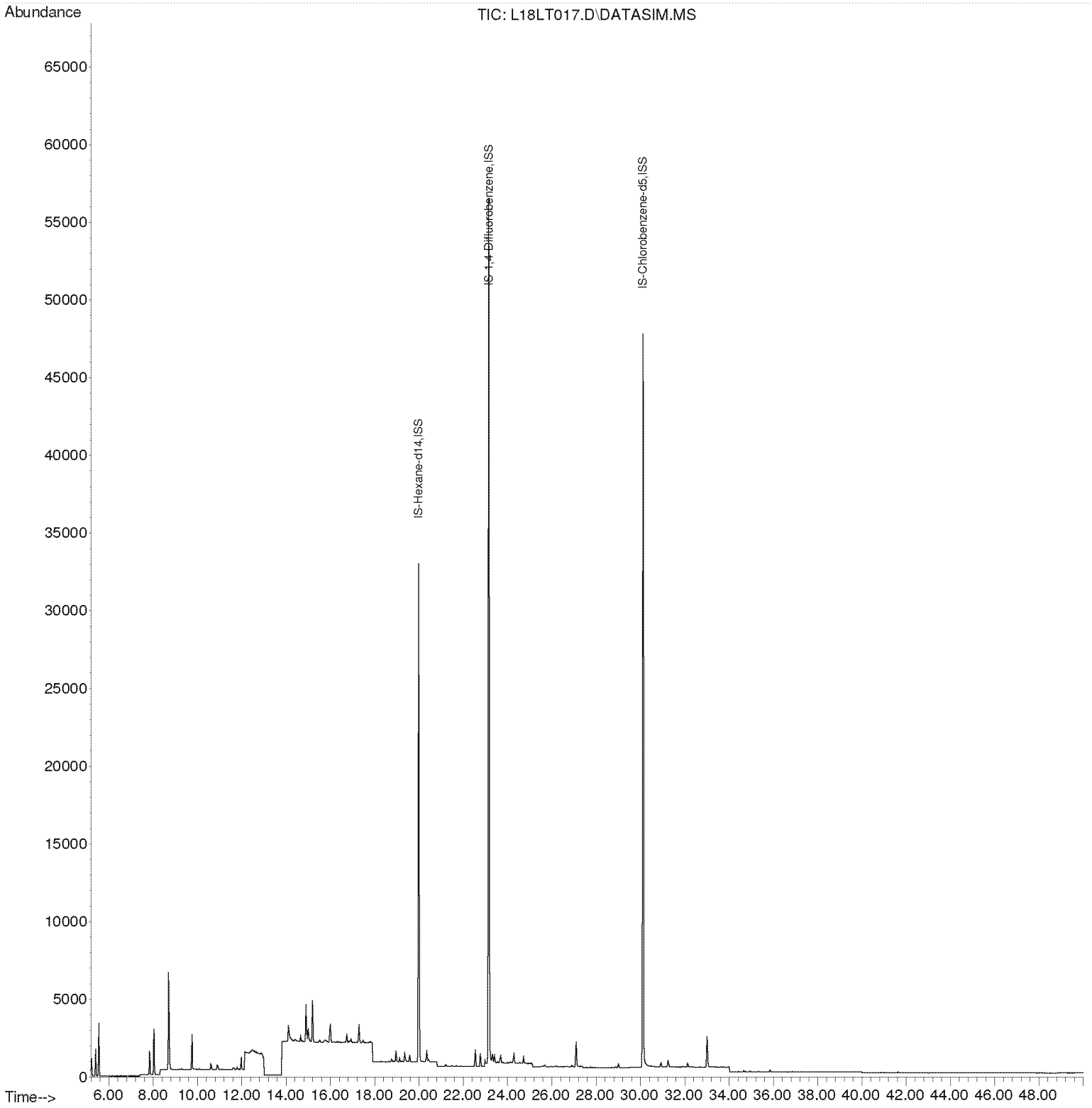
Target Compounds					Qvalue
[redacted]					
9) Ethylene oxide	0.000	29	0	N.D. d	

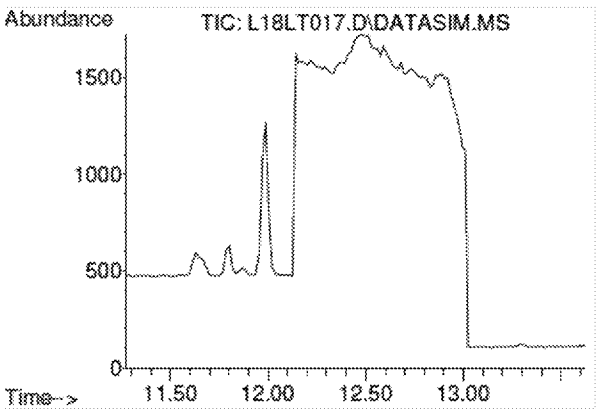
[redacted]

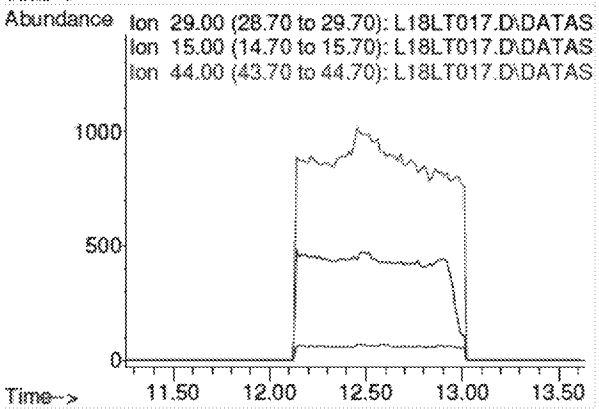
Quantitation Report (QT Reviewed)

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT017.D
Acq On : 20 Dec 2018 9:34 pm
Operator : MAH
Sample : 8120321-07
Misc : WEST NEIGHBORHOOD 11/28/18
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Dec 21 06:27:05 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration







#9
Ethylene oxide
Concen: N.D.
Expected RT: 12.38 min

Lab File: L18LT017.D
Acq: 20 Dec 2018 9:34 pm

Tgt Ion: 29

Sig	Exp Ratio
29	100
15	20.3
44	90.0

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT018.D
Acq On : 20 Dec 2018 10:36 pm
Operator : MAH
Sample : 8120321-08
Misc : GOWER MS 11/28/18
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 21 07:03:24 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.993	66	52447	4.7700 ppbv	0.00

[redacted]

System Monitoring Compounds

Target Compounds					Qvalue

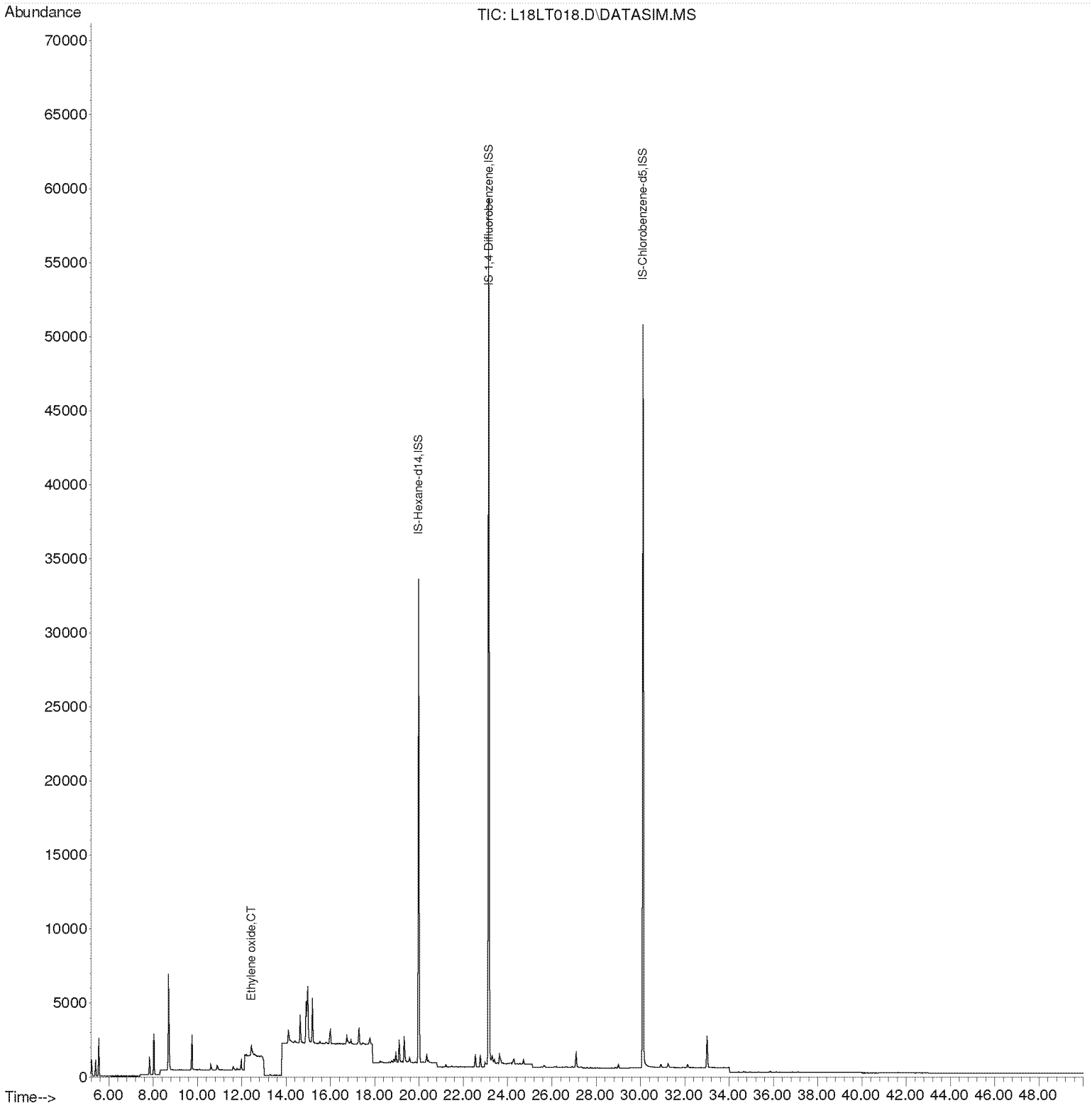
[redacted]

9) Ethylene oxide	12.440	29	1139	0.3633 ppbv #	57

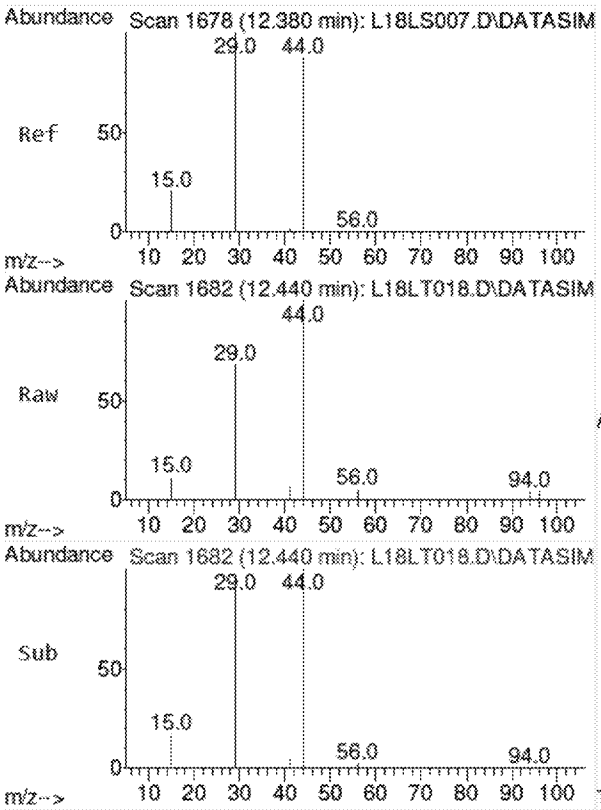
[redacted]

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT018.D
Acq On : 20 Dec 2018 10:36 pm
Operator : MAH
Sample : 8120321-08
Misc : GOWER MS 11/28/18
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 21 06:27:13 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



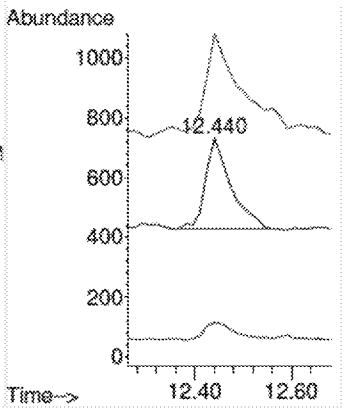
[redacted]



#9
Ethylene oxide
Concen: 0.363 ppbv
RT: 12.440 min Scan# 1682
Delta R.T. 0.060 min
Lab File: L18LT018.D
Acq: 20 Dec 2018 10:36 pm

Tgt Ion: 29 Resp: 1139

Ion	Ratio	Lower	Upper
29	100		
15	23.1	16.2	24.4
44	138.8	72.0	108.0#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT019.D
Acq On : 20 Dec 2018 11:36 pm
Operator : MAH
Sample : 8120321-09
Misc : WB VILLAGE HALL 11/28/18/
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 21 07:03:51 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS-Hexane-d14	19.992	66	54687	4.7700	ppbv	0.06

[redacted]

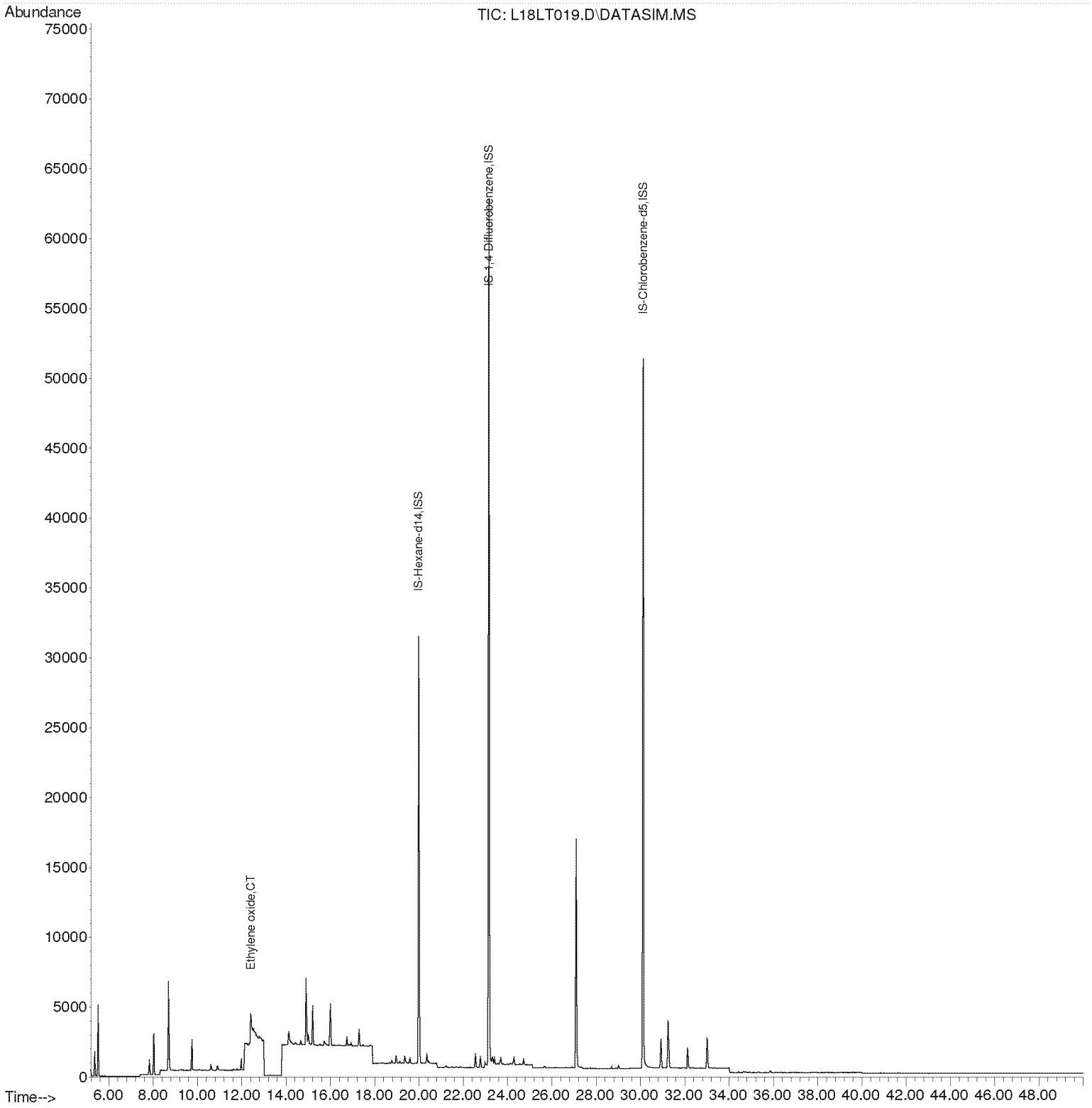
System Monitoring Compounds

Target Compounds						Qvalue
[redacted]						
9) Ethylene oxide	12.410	29	3309	1.0123	ppbv #	22

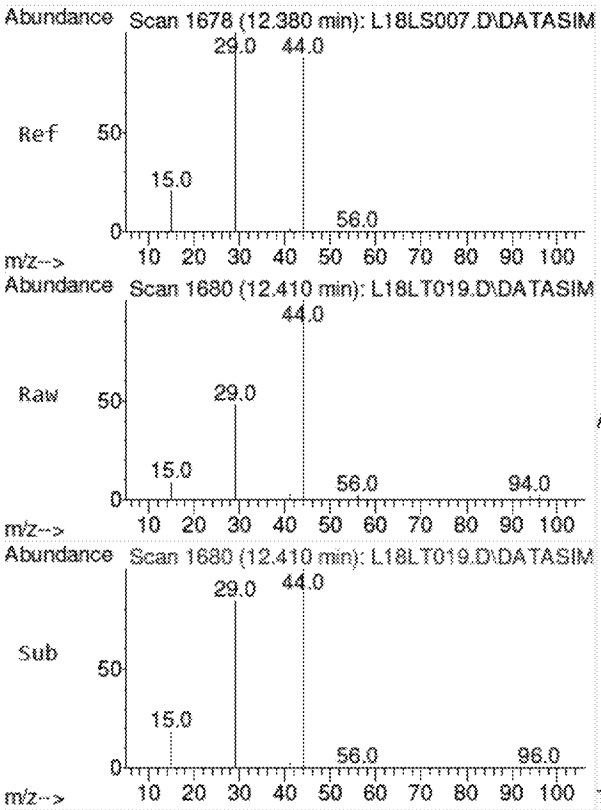
[redacted]

Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT019.D
Acq On : 20 Dec 2018 11:36 pm
Operator : MAH
Sample : 8120321-09
Misc : WB VILLAGE HALL 11/28/18/
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Dec 21 06:27:21 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



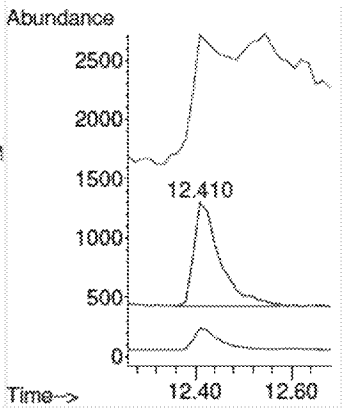
[redacted]



#9
Ethylene oxide
Concen: 1.012 ppbv
RT: 12.410 min Scan# 1680
Delta R.T. 0.030 min
Lab File: L18LT019.D
Acq: 20 Dec 2018 11:36 pm

Tgt Ion: 29 Resp: 3309

Ion	Ratio	Lower	Upper
29	100		
15	21.0	16.2	24.4
44	0.0	72.0	108.0#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\L18LT\
Data File : L18LT020.D
Acq On : 21 Dec 2018 12:36 am
Operator : MAH
Sample : 8112702-13
Misc : WB VILLAGE HALL 11/25/185
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Dec 21 07:04:23 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	19.992	66	53779	4.7700 ppbv	0.00

[redacted]

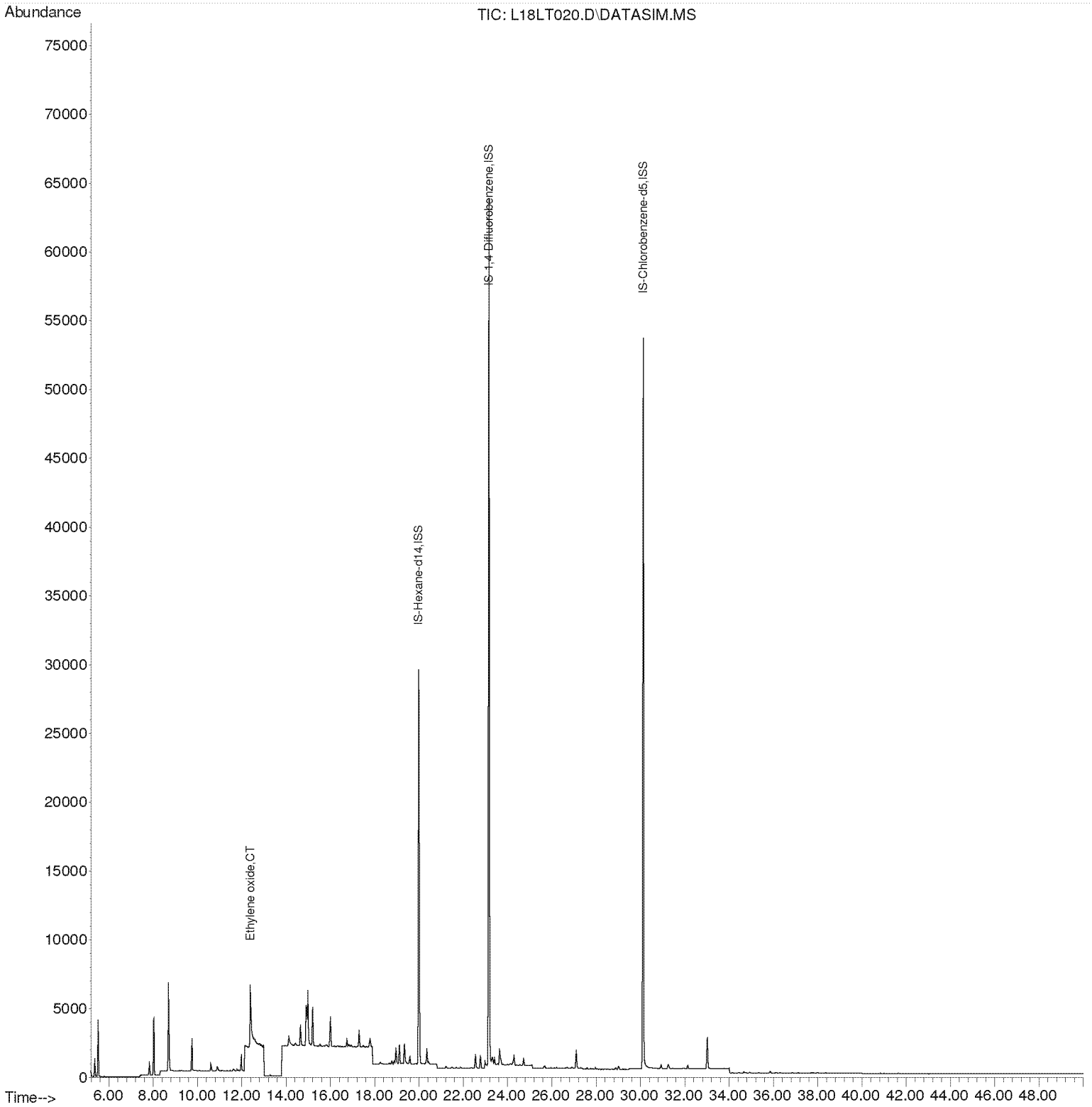
System Monitoring Compounds

Target Compounds					Qvalue
[redacted]					
9) Ethylene oxide	12.395	29	7304	2.2722 ppbv #	46

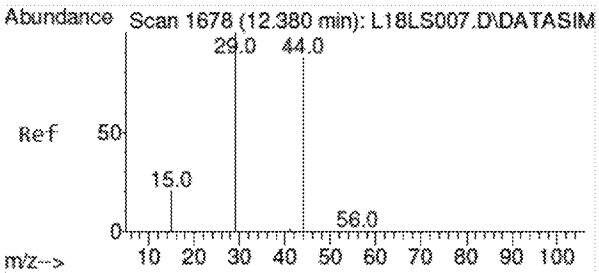
[redacted]

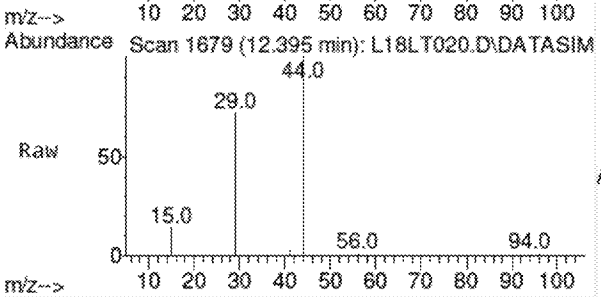
Data Path : Y:\MASS SPEC 1 DATA\L18LT\
Data File : L18LT020.D
Acq On : 21 Dec 2018 12:36 am
Operator : MAH
Sample : 8112702-13
Misc : WB VILLAGE HALL 11/25/185
ALS Vial : 20 Sample Multiplier: 1

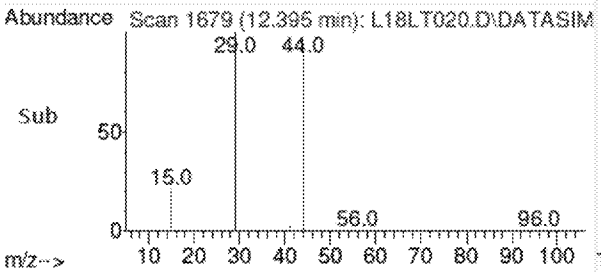
Quant Time: Dec 21 06:27:29 2018
Quant Method : C:\msdchem\1\METHODS\8120004.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Thu Dec 20 06:20:47 2018
Response via : Initial Calibration



[redacted]



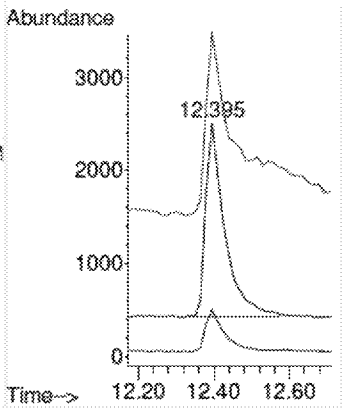




#9
Ethylene oxide
Concen: 2.272 ppbv
RT: 12.395 min Scan# 1679
Delta R.T. 0.015 min
Lab File: L18LT020.D
Acq: 21 Dec 2018 12:36 am

Tgt Ion: 29 Resp: 7304

Ion	Ratio	Lower	Upper
29	100		
15	21.3	16.2	24.4
44	151.4	72.0	108.0#



PREPARATION BENCH SHEET

B8L2003

Eastern Research Group

Matrix: Air | **Prepared using: Air Toxics - Summa Canister Prep** | **nted: 12/21/2018 10:04:35AM**

Lab Number	Prepared	Initial (ml)	Final (ml)	Spike ID	Source ID	ul Spike	Comments	
8112702-13 *TO-15 2018*	11/26/18 09:34	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8112702-14 *TO-15 2018*	11/26/18 09:42	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8112702-15 *TO-15 2018*	11/26/18 10:21	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8112702-16 *TO-15 2018*	11/26/18 10:16	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8112702-17 *TO-15 2018*	11/26/18 10:03	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8120321-01 *TO-15 2018*	11/29/18 09:10	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8120321-02 *TO-15 2018*	11/29/18 09:09	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8120321-03 *TO-15 2018*	11/29/18 09:59	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8120321-04 *TO-15 2018*	11/29/18 09:37	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8120321-05 *TO-15 2018*	11/29/18 09:46	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8120321-06 *TO-15 2018*	11/29/18 10:09	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8120321-07 *TO-15 2018*	11/29/18 10:17	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8120321-08 *TO-15 2018*	11/29/18 09:27	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only
8120321-09 *TO-15 2018*	11/29/18 09:18	250	250	U.S. Environmental Protection Agency - OAQPS	Ethylene Oxide only			Ethylene Oxide only

Spiking Witnessed By _____ Date _____

Randy Bowen 12/21/18

Preparation Reviewed By _____ Date _____

Extracts Received By _____ Date _____

PREPARATION BENCH SHEET

B8L2003

Eastern Research Group

Matrix: Air **Prepared using: Air Toxics - Summa Canister Prep** **nted: 12/21/2018 10:04:35AM**

Lab Number	Prepared	Initial (ml)	Final (ml)	Spike ID	Source ID	ul Spike	Comments
[redacted]							
B8L2003-BLK1	12/13/18 08:00	250	250				B-H1-523
B8L2003-DUP1	11/29/18 09:10	250	250		8120321-01		
B8L2003-DUP2	11/29/18 09:09	250	250		8120321-02		

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

ERG Lab ID # 8112702-14

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: GOWER MS
Canister Number: 5127
City/State: BURR RIDGE
Lab Initial Can. Press. ("Hg): 29.8
AQS Code: —
Cleaning Batch # : H1-503
Collection Date: 11/25/18
Date Can. Cleaned: 11/15/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): N
TOXICS (Y/N): Y
Duplicate Can # :
METHANE (Y/N):
Relinquished by: RMB
Date: 11/19/18

Field Setup

Received by: J. NWIA
Date: 11/25/18
Operator: J. NWIA
MFC Setting:
System #: PROBE 10311
Elapsed Timer Reset (Y/N):
Setup Date: 11/25/18
Canister Valve Opened (Y/N): Y @ 9:27am
Field Initial Can. Press.: -29 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/26/18
Sample Duration (3 or 24 hr):
Operator: NWIA/COMPTER
Elapsed Time:
Field Final Can. Press.: -4.5 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y @ 9:42am
Relinquished by: NWIA
Date: 11/26/18

Lab Recovery

Received by: LR
Date: 11/27/18
Lab Final Can. Press.: 2 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: Leak Check -29" Hg @ 9:32 am
Ambient temperature @ deployment = 37°F
" " " collection = 27°F

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

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

ERG Lab ID # 8112702-15

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: Gower ES
Canister Number: 5056
City/State: Willowbrook, IL
Lab Initial Can. Press. ("Hg): 29.8
AQS Code: —
Cleaning Batch # : H2-502
Collection Date: 11/25/18
Date Can. Cleaned: 11/14/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): N
TOXICS (Y/N): Y
Duplicate Can # :
METHANE (Y/N):
Relinquished by: MB
Date: 11/19/18

Field Setup

Received by: J. Nwia
Date: 11/25/18
Operator: J. Nwia
MFC Setting:
System #: Probe # 10293
Elapsed Timer Reset (Y/N):
Setup Date: 11/25/18
Canister Valve Opened (Y/N): Y @ 10:35 am
Field Initial Can. Press.: -28 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/26/18
Sample Duration (3 or 24 hr): 24 hr.
Operator: Nwia/Coulthor
Elapsed Time:
Field Final Can. Press.: -5 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y @ 10:21 am
Relinquished by: Nwia
Date: 11/26/18

Lab Recovery

Received by: KR
Date: 11/27/18
Lab Final Can. Press.: 4 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: Leak Check -28 "Hg @ 10:20 AM
Ambient temperature @ deployment = 37°
" " " collection = 27°

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

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ERG Lab ID # 8112702-16

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: Hinsdale South HS
Canister Number: 5033
City/State: Darien, IL
Lab Initial Can. Press. ("Hg): 29.8
AQS Code:
Cleaning Batch # : H1-502
Collection Date: 11/25/18
Date Can. Cleaned: 11/14/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): N
TOXICS (Y/N): Y
Duplicate Can # :
METHANE (Y/N):
Relinquished by: RMB
Date: 11/19/18

Field Setup

Received by: Carrie Cummings
Date: 11/25/18
Operator: Carrie Cummings
MFC Setting:
System #: 10076
Elapsed Timer Reset (Y/N):
Setup Date: 11/25/18
Canister Valve Opened (Y/N): Y @ 10:[illegible]
Field Initial Can. Press.: 28.5 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/26/18
Sample Duration (3 or 24 hr): 24 hr
Operator: Cummings/Comeiner
Elapsed Time:
Field Final Can. Press.: -6 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y @ 10:16 am
Relinquished by: Carrie Cummings
Date: 11/26/18

Lab Recovery

Received by: LR
Date: 11/27/18
Lab Final Can. Press.: 5 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: Leak Check -28.5 @ 12:09 Temp at deployment 37°F
Temp at recovery

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

r 5 4

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

ERG Lab ID # 8112702-17

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: WILLOW POND PARK
Canister Number: SAT037
City/State: WILLOWBROOK
Lab Initial Can. Press. ("Hg): 29.8
AQS Code: —
Cleaning Batch # : H1-502
Collection Date: 11/25/18
Date Can. Cleaned: 11/14/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): N
TOXICS (Y/N): Y
Duplicate Can # :
METHANE (Y/N):
Relinquished by: RJB
Date: 11/19/18

Field Setup

Received by: J. NWIA
Date: 11/25/18
Operator: J. NWIA
MFC Setting: —
System #: PCUBE 10294
Elapsed Timer Reset (Y/N):
Setup Date: 11/25/18
Canister Valve Opened (Y/N): Y @ -28.7 @ 9:50 am
Field Initial Can. Press.: -28.7 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/26/18
Sample Duration (3 or 24 hr): 24-hr
Operator: NWIA/COMPTEK
Elapsed Time:
Field Final Can. Press.: -3 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y @ 10:03am
Relinquished by: J. NWIA
Date: 11/25/18

Lab Recovery

Received by: KR
Date: 11/27/18
Lab Final Can. Press.: 1.9 psig "Hg (Circle one)
Converted to psia:
Status: VALID VOID (Circle one)
Gauge: 1 2 (Circle one)
If void, why: Vacuum Gauge - KR 11/27/18

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: Leak Check = -28.7" Hg @ 9:55 am
Ambient temperature @ deployment = 37°F
" " " collection = 27°F

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

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

ERG Lab ID # 8120321-01

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: EPAWB WAREHOUSE
Canister Number: 5102
City/State: WILLOW BROOK, IL
Lab Initial Can. Press. ("Hg): 29.3
AQS Code: —
Cleaning Batch # : H1-505
Collection Date: 11/28/18
Date Can. Cleaned: 11/16/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): Y
TOXICS (Y/N): Y
Duplicate Can # : SAT094
METHANE (Y/N):
Relinquished by: RWB
Date: 11/26/18

Field Setup

Received by: NWIA
Date: 11/28/18
Operator: NWIA
MFC Setting:
System #: PROBE # 1034
Elapsed Timer Reset (Y/N):
Setup Date: 11/28/18
Canister Valve Opened (Y/N): Y @ 09:29
Field Initial Can. Press.: -29.8 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/29/18
Sample Duration (3 or 24 hr): 24 hr
Operator: Coughlin
Elapsed Time:
Field Final Can. Press.: -5.2 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y @ 09:10
Relinquished by: Coughlin
Date: 11/29/18

Lab Recovery

Received by: KB
Date: 12/3/18
Lab Final Can. Press.: 2.50 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: LEAK CHECK @ 09:34 = -29.8 "Hg
Ambient temp = 22°F @ Deployment
" " 30°F @ collection.

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

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

ERG Lab ID # E120321-02

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: EPA WB Warehouse
Canister Number: SAT094
City/State: Willowbrook, IL
Lab Initial Can. Press. ("Hg): 29.3
AQS Code:
Cleaning Batch # : H-505
Collection Date: 11/28/18
Date Can. Cleaned: 11/16/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): y
TOXICS (Y/N): y
Duplicate Can # : 5102
METHANE (Y/N):
Relinquished by: RMB
Date: 11/26/18

Field Setup

Received by: Coughlin
Date: 11/28/18
Operator: Coughlin
MFC Setting:
System #: Probe #10315
Elapsed Timer Reset (Y/N):
Setup Date: 11/28/18
Canister Valve Opened (Y/N): y @ 09:29
Field Initial Can. Press.: -29.8 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/29/18
Sample Duration (3 or 24 hr): 24 hr
Operator: Coughlin
Elapsed Time:
Field Final Can. Press.: -5.1 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): y @ 09:09
Relinquished by: Coughlin
Date: 11/29/18

Lab Recovery

Received by: KB
Date: 12/3/18
Lab Final Can. Press.: 3.00 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: Leak check @ ~~09:29~~ JGC 11/28/18 -29.5 "Hg @ 09:34
Ambient temp = 22°F @ deployment
" " 30°F @ collection

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

ED_002475_00000260-00075

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ERG Lab ID # 8120321-03

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: Hinsdale South H.S.
Canister Number: SAT054
City/State: Darien
Lab Initial Can. Press. ("Hg): 29.3
AQS Code: ——
Cleaning Batch # : H1-505
Collection Date: 11/28/18
Date Can. Cleaned: 11/16/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): RE 11-28-18 ~~Y~~ N
TOXICS (Y/N): ✓
Duplicate Can # :
METHANE (Y/N):
Relinquished by: RMB
Date: 11/26/18

Field Setup

Received by: Q92292
Date: 11/28/18
Operator: Q92292
MFC Setting:
System #: 10076
Elapsed Timer Reset (Y/N):
Setup Date: 11/28/18
Canister Valve Opened (Y/N): Y @ 10:31
Field Initial Can. Press.: -28.2 , psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/29/18
Sample Duration (3 or 24 hr): 24
Operator: Q92292
Elapsed Time: 9:59 am
Field Final Can. Press.: -5.5 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y
Relinquished by: Q92292
Date: 11/29/18

Lab Recovery

Received by: KB
Date: 12/3/18
Lab Final Can. Press.: 4.00 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

10:36 am

Comments: Leak check @ -28.2 , Temp @ deployment = 22 °F
Temp @ Install = 23 °F
" " = 28 °F @ 9:59 am

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

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

ERG Lab ID # 8120321-04

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: Water tower
Canister Number: SAT023
City/State: Willowbrook, IL
Lab Initial Can. Press. ("Hg): 29.3
AQS Code: —
Cleaning Batch # : H1-505
Collection Date: 11/28/18
Date Can. Cleaned: 11/16/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): N
TOXICS (Y/N): Y
Duplicate Can # :
METHANE (Y/N):
Relinquished by: RMB
Date: 11/26/18

Field Setup

Received by: Sonny Divita
Date: 11/28/18
Operator: Sonny Divita
MFC Setting: —
System #: 10312
Elapsed Timer Reset (Y/N):
Setup Date: 11/28/18
Canister Valve Opened (Y/N): Y @ 10:05 AM
Field Initial Can. Press.: -28.5 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/29/18
Sample Duration (3 or 24 hr): 24 hr.
Operator: S. Divita
Elapsed Time:
Field Final Can. Press.: -3.9 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y @ 9:37 am
Relinquished by: Sonny Divita
Date: 11/29/18

Lab Recovery

Received by: KB
Date: 12/3/18
Lab Final Can. Press.: 2.50 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: Leak test -28.5 @ 10:10 AM
Temp @ deployment 22° F
Temp @ Retrieval 30° F

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

-10 -29

ERG Lab ID # 8120321-05

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: EPA Willow Pond Park
Canister Number: SAT173
City/State: Willow brook IL
Lab Initial Can. Press. ("Hg): 29.3
AQS Code: —
Cleaning Batch # : H1-505
Collection Date: 11/28/2018
Date Can. Cleaned: 11/16/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): No
TOXICS (Y/N): Y
Duplicate Can # : —
METHANE (Y/N):
Relinquished by: RMB
Date: 11/26/18

Field Setup

Received by: McEvoy
Date: 11/28/2018
Operator: McEvoy
MFC Setting:
System #: Probe # 10294
Elapsed Timer Reset (Y/N):
Setup Date: 11/28/2018
Canister Valve Opened (Y/N): Y @ [illegible] am
Field Initial Can. Press.: -29 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/29/2018
Sample Duration (3 or 24 hr): 24 hr
Operator: McEvoy
Elapsed Time:
Field Final Can. Press.: -4.8 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y @ 9:46 am
Relinquished by: McEvoy
Date: 11/29/2018

Lab Recovery

Received by: RB
Date: 12/3/18
Lab Final Can. Press.: 3.00 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: Leak check @ 10:22 am
Ambient temp = 22° F @ deployment
" " = 30°F @ collection

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

-40 H 10

ERG Lab ID # E120321-06

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: Grower ES
Canister Number: SAT074
City/State: Willowbrook, IL
Lab Initial Can. Press. ("Hg): 29.3
AQS Code: —
Cleaning Batch # : H1-505
Collection Date: 11/28/18
Date Can. Cleaned: 11/16/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): N
TOXICS (Y/N): Y
Duplicate Can # :
METHANE (Y/N):
Relinquished by: RWB
Date: 11/26/18

Field Setup

Received by: Coughlin
Date: 11/28/18
Operator: Coughlin
MFC Setting:
System #: Probe # 10293
Elapsed Timer Reset (Y/N):
Setup Date: 11/28/18
Canister Valve Opened (Y/N): Y @ 10:45
Field Initial Can. Press.: -28.1 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/29/18
Sample Duration (3 or 24 hr): 24 hr
Operator: Coughlin
Elapsed Time:
Field Final Can. Press.: -4.5 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y @ 10:09
Relinquished by: Sonny Divita
Date: 11/29/18

Lab Recovery

Received by: RB
Date: 12/3/18
Lab Final Can. Press.: 3.00 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: Leak check @ 10:50 pressure = -28.1" Hg
Ambient temp = 22°F @ deployment
30°F @ collection

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

12 11

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

ERG Lab ID # 8120321-07

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: West Neighborhood
Canister Number: 19654
City/State: Willowbrook, IL
Lab Initial Can. Press. ("Hg): 29.3
AQS Code:
Cleaning Batch # : H2505
Collection Date: 11/28/18
Date Can. Cleaned: 11/16/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): N
TOXICS (Y/N): Y
Duplicate Can # :
METHANE (Y/N):
Relinquished by: RMB
Date: 11/28/18

Field Setup

Received by: Qa2292
Date: 11/28/18
Operator: Qa2292
MFC Setting:
System #: 10310
Elapsed Timer Reset (Y/N):
Setup Date: 11/28/18
Canister Valve Opened (Y/N): Y @ 10:55
Field Initial Can. Press.: -28.2 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/29/18
Sample Duration (3 or 24 hr): 24
Operator: Qa2292
Elapsed Time: 10:17 am
Field Final Can. Press.: -4.0 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y
Relinquished by:
Date: 11/29/18

Lab Recovery

Received by: KB
Date: 12/3/18
Lab Final Can. Press.: 3.00 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

11:00 am

Comments: Leak Check @ -28.2, Temp @ deployment = 22°F
Temp @ install
" " " 32F 10:15am

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

13 Hr 12

ERG Eastern Research Group, Inc.

ERG Lab ID # 8120321-08

601 Keystone Park Drive, Suite 700, Morrisville, NC 27560

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: Sinwler MS

Canister Number: 5083

City/State: Burr Ridge, IL

Lab Initial Can. Press. ("Hg): 29.3

AQS Code: —

Cleaning Batch # : H2-505

Collection Date: 11/28/18

Date Can. Cleaned: 11/16/18

Options:

SNMOC (Y/N):

Duplicate Event (Y/N): N

TOXICS (Y/N): Y

Duplicate Can # :

METHANE (Y/N):

Relinquished by: RMB

Date: 11/26/18

Field Setup

Received by: Sonny Divita

Date: 11/28/18

Operator: Sonny Divita

MFC Setting: —

System #: 10311

Elapsed Timer Reset (Y/N):

Setup Date: 11/28/18

Canister Valve Opened (Y/N): Y @ 9:53 am

Field Initial Can. Press.: -29.8 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/29/18

Sample Duration (3 or 24 hr): 24 hr

Operator: S. Divita

Elapsed Time:

Field Final Can. Press.: -5 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one)

Canister Valve Closed (Y/N): Y @ 9:27 am

Relinquished by: Coughlin

Date: 11/29/18

Lab Recovery

Received by: KB

Date: 12/3/18

Lab Final Can. Press.: 2.00 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: Leak check -29.7 @ 9:58 AM Temp @ deployment 22°F
Temp @ Recovery 30°F

White: Sample Traveler

Canary: Lab Copy

Pink: Field Copy

ED_002475_00000260-00081

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ERG Lab ID # 8120321-09

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: EPA WB Village Hall
Canister Number: 18873
City/State: Willowbrook, IL
Lab Initial Can. Press. ("Hg): 29.3
AQS Code: —
Cleaning Batch # : H2-505
Collection Date: 11/28/2018
Date Can. Cleaned: 11/16/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): NO
TOXICS (Y/N): Y
Duplicate Can # : —
METHANE (Y/N):
Relinquished by: RMB
Date: 11/26/18

Field Setup

Received by: McEvoy
Date: 11/28/2018
Operator: McEvoy
MFC Setting:
System #: Probe #10313
Elapsed Timer Reset (Y/N):
Setup Date: 11/28/2018
Canister Valve Opened (Y/N): Y @ [illegible]
Field Initial Can. Press.: -29 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/29/2018
Sample Duration (3 or 24 hr): [illegible]
Operator: McEvoy
Elapsed Time:
Field Final Can. Press.: -3.2 psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y @ [illegible]
Relinquished by: McEvoy
Date: 11/29/2018

Lab Recovery

Received by: KB
Date: 12/3/18
Lab Final Can. Press.: 2.1 psig "Hg (Circle one)
Converted to psia:
Status: VALID VOID (Circle one)
Gauge: 1 2 (Circle one)
If void, why: Heiss Gauge

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments: Leak Check @ -29 @ 9:45 am
Ambient temp = 22°F @ deployment
" " = [illegible]°F @ collection

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

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

ERG Lab ID # 8112702-13

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: WB Village Hall
Canister Number: 5133
City/State: Willowbrook, IL
Lab Initial Can. Press. ("Hg): 29.8
AQS Code: –
Cleaning Batch # : H1-503
Collection Date: 11/25/2018
Date Can. Cleaned: 11/15/18
Options:
SNMOC (Y/N):
Duplicate Event (Y/N): N
TOXICS (Y/N): Y
Duplicate Can # :
METHANE (Y/N):
Relinquished by: EJB
Date: 11/19/18

Field Setup

Received by: Carrie Cummings
Date: 11/25/18
Operator: Carrie Cummings
MFC Setting:
System #: 10514
Elapsed Timer Reset (Y/N):
Setup Date: 11/25/2018
Canister Valve Opened (Y/N): Y @ 9:15
Field Initial Can. Press.: -29.3 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 11/26/2018
Sample Duration (3 or 24 hr): 24 hr
Operator: Cummings/Gopher
Elapsed Time:
Field Final Can. Press.: -6 @ 9:34 am psig psia "Hg (Circle one)
Status: VALID VOID (Circle one)
Canister Valve Closed (Y/N): Y @ 9:34
Relinquished by: Carrie Cummings
Date: 11/26/18

Lab Recovery

Received by: HC
Date: 11/27/18
Lab Final Can. Press.: 3 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: Leak Check -29.2 @ 9:20 Amb Temp at Deployment 37°F
Temp at recovery 27°F

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