SOP ERG-MOR-005
Air Toxics TO-15 Quality Control Review Checklist 2019-1

Sequence ID: N19GI 1907023	**Instrument:** MS4	**Batch:** B9G0906
Cal Curve (Method): 9060006.CP	**Analyst:** KSS	**Date Analyzed:** 7/9/19
10% Review Sample IDs: 9070835-03	**Reviewer:** DST	**Date:** 7/29/19
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	KSS 7/11/19	RLB 7/26/19	DST 7/29/19		
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)	KSS 7/11/19	RLB 7/26/19	DST 7/29/19		
ICV(LCS) Second source calibration verification check - immediately following ICAL	The response factor ≤ ±30% DEV from calibration curve average response factor	KSS 7/11/19	RLB 7/26/19	DST 7/29/19		
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	KSS 7/11/19	RLB 7/26/19	DST 7/29/19		
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	KSS 7/11/19	RLB 7/26/19	DST 7/29/19		

SOP ERG-MOR-005
Air Toxics TO-15 Quality Control Review Checklist 2019-1

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	KSS 7/11/19	RMB 7/26/19	DJT 7/29/19		
Canister Cleaning Certification	<3xMDL or 0.2ppbv per VOC targeted compound, whichever is lower	KSS 7/11/19	RMB 7/26/19	DJT 7/29/19		
Preconcentrator Leak Check	≤ ± 0.2 psi/min	KSS 7/11/19	RMB 7/26/19	DJT 7/29/19		
Samples/Internal Standard Check	IS area within ±40% and IS RT within ±0.33 min. of most recent initial calibration	KSS 7/11/19	RMB 7/26/19	DJT 7/29/19		
COC Included and filled out	Lab receipt acknowledged, LIMS number added to COC	KSS 7/11/19	RMB 7/26/19	DJT 7/29/19		
Manual Integration and peak deletion	Conforms with ERG-SOP-097 "Procedure for Manual Integration of Chromatographic Peaks"	KSS 7/11/19	RMB 7/26/19	DJT 7/29/19		
Manual Calculation Check	Check a manual calculation against a LIMS result		RMB 7/26/19	DJT 7/29/19		CCV CCRF 12599 (4.77 ppbv) / 49319 (2.48 ppbv) = 0.4913
Qualifiers Check	Check data flags in LIMS and check dilution factor calculations	KSS 7/11/19	RMB 7/26/19	DJT 7/29/19		

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

N19G1002
chloroprene

$$\frac{12599 \times 4.77}{49319 \times 0.4937} = 2.47 \text{ ppbv}$$

ANALYSIS SEQUENCE

1907023

Instrument: ERGMS#4

Calibnration ID: 9060006

Printed: 7/9/2019 1:03:49PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
1907023-CCV1	QC		1		9F21007	8L13002		
B9G0906-BLK1	QC		2			8L13002		
9070228-01	TO-15 2019_Chloroprene	A	3			8L13002	U.S. Environmental Protection Agency - OAQ	
B9G0906-DUP1	QC		4			8L13002		
9070228-02	TO-15 2019_Chloroprene	A	5			8L13002	U.S. Environmental Protection Agency - OAQ	
B9G0906-DUP2	QC		6			8L13002		
9070228-03	TO-15 2019_Chloroprene	A	7			8L13002	U.S. Environmental Protection Agency - OAQ	
9070228-04	TO-15 2019_Chloroprene	A	8			8L13002	U.S. Environmental Protection Agency - OAQ	
9070228-05	TO-15 2019_Chloroprene	A	9			8L13002	U.S. Environmental Protection Agency - OAQ	
9070228-06	TO-15 2019_Chloroprene	A	10			8L13002	U.S. Environmental Protection Agency - OAQ	
9070228-07	TO-15 2019_Chloroprene	A	11			8L13002	U.S. Environmental Protection Agency - OAQ	
9070835-01	TO-15 2019_Chloroprene	A	12			8L13002	U.S. Environmental Protection Agency - OAQ	
9070835-02	TO-15 2019_Chloroprene	A	13			8L13002	U.S. Environmental Protection Agency - OAQ	
9070835-03	TO-15 2019_Chloroprene	A	14			8L13002	U.S. Environmental Protection Agency - OAQ	
9070835-04	TO-15 2019_Chloroprene	A	15			8L13002	U.S. Environmental Protection Agency - OAQ	
9070835-05	TO-15 2019_Chloroprene	A	16			8L13002	U.S. Environmental Protection Agency - OAQ	
9070835-06	TO-15 2019_Chloroprene	A	17			8L13002	U.S. Environmental Protection Agency - OAQ	
B9G0906-DUP3	QC		18			8L13002		
9070835-07	TO-15 2019_Chloroprene	A	19			8L13002	U.S. Environmental Protection Agency - OAQ	
B9G0906-DUP4	QC		20			8L13002		

Samples Loaded By 7/10/19 Date

Data Processed By 7/11/19 Date

Sequence Name: C:\msdchem\1\sequence\N19GI.s
Comment: Analyzed 07-09-19,9060006 exp 09-19-19, N19GI
Operator: KSS
Data Path: C:\MSDCHEM\1\DATA\N19GI\
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	N19GI001	BFB_2	BFB_2
2)	Sample	2	N19GI002	9060006	1907023-CCV1
3)	Sample	3	N19GI003	9060006	SNMOC-CCV1
4)	Sample	4	N19GI004	9060006	B9G0906-BLK1
5)	Sample	5	N19GI005	9060006	9070228-01
6)	Sample	6	N19GI006	9060006	B9G0906-DUP1
7)	Sample	7	N19GI007	9060006	9070228-02
8)	Sample	8	N19GI008	9060006	B9G0906-DUP2
9)	Sample	9	N19GI009	9060006	9070228-03
10)	Sample	10	N19GI010	9060006	9070228-04
11)	Sample	11	N19GI011	9060006	9070228-05
12)	Sample	12	N19GI012	9060006	9070228-06
13)	Sample	13	N19GI013	9060006	9070228-07
14)	Sample	14	N19GI014	9060006	9070835-01
15)	Sample	15	N19GI015	9060006	9070835-02
16)	Sample	16	N19GI016	9060006	9070835-03
17)	Sample	17	N19GI017	9060006	9070835-04
18)	Sample	18	N19GI018	9060006	9070835-05
19)	Sample	19	N19GI019	9060006	9070835-06
20)	Sample	20	N19GI020	9060006	B9G0906-DUP3
21)	Sample	21	N19GI021	9060006	9070835-07
22)	Sample	22	N19GI022	9060006	B9G0906-DUP4
23)	Sample	23	N19GI023	9060006	T-H1-634
24)	Sample	24	N19GI024	9060006	B-H1-635
25)	Sample	100	OFF	FIDOFF_2	OFF

Sample	1	BFB_2	BFB_2	N19GI001	80ML 8L13001,	1
Sample	2	1907023-CCV1	9060006	N19GI002	80ML 8L13001,9F21007	1
Sample	3	SNMOC-CCV1	9060006	N19GI003	80ML 8L13001,9F21008	1
Sample	4	B9G0906-BLK1	9060006	N19GI004	80ML 8L13001, T-H2-626	1
Sample	5	9070228-01	9060006	N19GI005	LEVEE C1 6/28/19	1
Sample	6	B9G0906-DUP1	9060006	N19GI006	LEVEE R1 6/28/19	1
Sample	7	9070228-02	9060006	N19GI007	LEVEE C2 6/28/19	1
Sample	8	B9G0906-DUP2	9060006	N19GI008	LEVEE R2 6/28/19	1
Sample	9	9070228-03	9060006	N19GI009	E. ST. JOHN 6/28/19	1
Sample	10	9070228-04	9060006	N19GI010	238 CHAD 6/28/19	1
Sample	11	9070228-05	9060006	N19GI011	5TH WARD 6/28/19	1
Sample	12	9070228-06	9060006	N19GI012	OCHSNERS 6/28/19	1
Sample	13	9070228-07	9060006	N19GI013	ACORN 6/28/19	1
Sample	14	9070835-01	9060006	N19GI014	LEVEE 7/4/19	1
Sample	15	9070835-02	9060006	N19GI015	5TH WARD 7/4/19	1
Sample	16	9070835-03	9060006	N19GI016	ACORN 7/4/19	1
Sample	17	9070835-04	9060006	N19GI017	238 CHAD 7/4/19	1
Sample	18	9070835-05	9060006	N19GI018	E. ST. JOHN 7/4/19	1
Sample	19	9070835-06	9060006	N19GI019	OCHSNERS C1 7/4/19	1
Sample	20	B9G0906-DUP3	9060006	N19GI020	OCHSNERS R1 7/4/19	1
Sample	21	9070835-07	9060006	N19GI021	OCHSNERS C2 7/4/19	1
Sample	22	B9G0906-DUP4	9060006	N19GI022	OCHSNERS R2 7/4/19	1
Sample	23	T-H1-634	9060006	N19GI023	BATCH BLANK	1
Sample	24	B-H1-635	9060006	N19GI024	BATCH BLANK	1
Sample	100	OFF	FIDOFF_2	OFF		1

Sequence Report

7/10/2019 2:56:34 PM

ID	Name	Inlet	Pos.	Int Std	Cal Std	Sample	Method	Inject	Status	Error	Notes
BFB	1	One	T1	80	0	0	BFB.7200A.MPT	7/9/2019 1:14:10 PM	Completed		
1907023-CCV1	2	Two	S	80	0	250	TO-15A_MS4.7200A.MPT	7/9/2019 1:54:36 PM	Completed		
SNMOC-CCV1	3	Three	S	80	0	250	TO-15A_MS4.7200A.MPT	7/9/2019 2:57:14 PM	Completed		
B9G0906-BLK1	4	Four	S	80	0	250	TO-15A_MS4.7200A.MPT	7/9/2019 4:00:34 PM	Completed		
9070228-01	5	One	T1	80	0	250	TO-15A_MS4.7200A.MPT	7/9/2019 5:04:14 PM	Completed		
B9G0906-DUP1	6	One	T1	80	0	250	TO-15A_MS4.7200A.MPT	7/9/2019 6:08:18 PM	Completed		
9070228-02	7	One	T2	80	0	250	TO-15A_MS4.7200A.MPT	7/9/2019 7:11:34 PM	Completed		
B9G0906-DUP2	8	One	T2	80	0	250	TO-15A_MS4.7200A.MPT	7/9/2019 8:14:59 PM	Completed		
9070228-03	9	One	T3	80	0	250	TO-15A_MS4.7200A.MPT	7/9/2019 9:18:29 PM	Completed		
9070228-04	10	One	T4	80	0	250	TO-15A_MS4.7200A.MPT	7/9/2019 10:21:45 PM	Completed		
9070228-05	11	One	T5	80	0	250	TO-15A_MS4.7200A.MPT	7/9/2019 11:25:07 PM	Completed		
9070228-06	12	One	T6	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 12:28:41 AM	Completed		
9070228-07	13	One	T7	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 1:32:16 AM	Completed		

Sequence Report

7/10/2019 2:56:34 PM

9070835-01	14	One	T8	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 2:35:46 AM	Completed		
9070835-02	15	One	T9	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 3:39:02 AM	Completed		
9070835-03	16	One	T10	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 4:42:28 AM	Completed		
9070835-04	17	One	T11	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 5:45:35 AM	Completed		
9070835-05	18	One	T12	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 6:48:55 AM	Completed		
9070835-06	19	One	T13	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 7:52:08 AM	Completed		
B9G0906-DUP3	20	One	T13	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 8:55:39 AM	Completed		
9070835-07	21	One	T14	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 9:59:00 AM	Completed		
B9G0906-DUP4	22	One	T14	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 11:02:32 AM	Completed		
T-H1-634	23	One	T15	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 12:05:08 PM	Completed		
B-H1-635	24	One	T16	80	0	250	TO-15A_MS4.7200A.MPT	7/10/2019 1:07:40 PM	Completed		

Leak Check

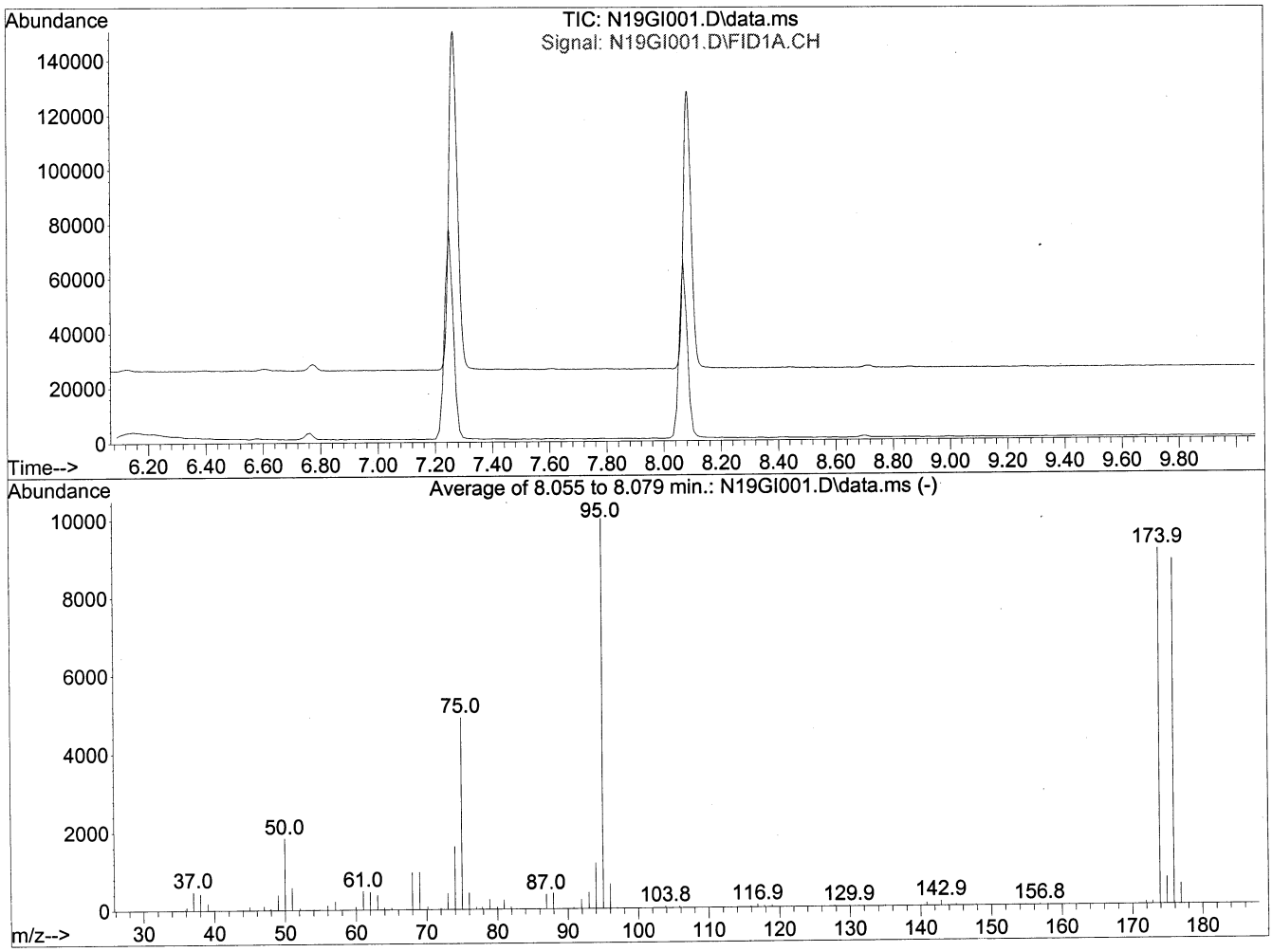
7/9/2019 1:08:04 PM

Inlet	Position	Voltage	Start Pressure	Evacuation Pressure	Equilibration Pressure	End Pressure	Psid	Elapsed
1	1	4.87	7.02	1.77	1.68	1.67	-0.01	00:02:00
1	2	4.53	7.59	1.82	1.68	1.67	-0.01	00:02:00
1	3	4.22	3.43	1.59	1.5	1.49	-0.01	00:02:00
1	4	3.9	3.31	1.61	1.55	1.59	0.04	00:02:00
1	5	3.59	3.02	1.54	1.46	1.46	0.00	00:02:00
1	6	3.29	2.56	1.48	1.45	1.51	0.06	00:02:00
1	7	2.98	2.43	1.44	1.4	1.38	-0.02	00:02:00
1	8	2.66	2.64	1.49	1.44	1.43	-0.01	00:02:00
1	9	2.34	2.76	1.5	1.45	1.44	-0.01	00:02:00
1	10	2.03	2.37	1.43	1.38	1.38	0.00	00:02:00
1	11	1.7	3.56	1.55	1.46	1.46	0.00	00:02:00
1	12	1.41	2.83	1.5	1.44	1.45	0.01	00:02:00
1	13	1.1	14.45	2.05	1.86	1.86	0.00	00:02:00
1	14	0.79	3.65	1.61	1.59	1.62	0.03	00:02:00

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI001.D
Acq On : 9 Jul 2019 1:20 pm (#1); 09-Jul-19, 13:14:11 (#2)
Operator : KSS
Sample : BFB_2
Misc : 80ML 8L13001, (Sig #1); (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: RTEINT.P
Integration File signal 2: rteint2.p

Method : C:\msdchem\1\METHODS\9060006_CP.M
Title : TO-15 by Selective Ion Analysis
Last Update : Mon Jul 01 08:56:25 2019



AutoFind: Scans 167, 168, 169; Background Corrected with Scan 163

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.4	1841	PASS
75	95	30	66	49.0	4904	PASS
95	95	100	100	100.0	10004	PASS
96	95	5	9	6.3	627	PASS
173	174	0.00	2	0.8	77	PASS
174	95	50	120	91.3	9138	PASS
175	174	4	9	7.5	689	PASS
176	174	93	101	97.2	8879	PASS
177	176	5	9	6.0	529	PASS

KSS
7/10/19

GC/MS QA-QC Check Report

Tune File : C:\msdchem\1\DATA\N19GI\N19GI001.D
Tune Time : 9 Jul 2019 1:20 pm

9060006	Avg Area	43869	76082	55371
	+40%	61416	106514	77519
	-40%	26321	45649	33222

File	Sample	Internal Standard Responses		
N19GI002.D	1907023-CCV1	49319	82577	58354
N19GI004.D	B9G0906-BLL1	41518	74460	52916
N19GI005.D	9070228-01	40537	71206	51351
N19GI006.D	B9G0906-DUP1	39870	69164	49821
N19GI007.D	9070228-02	39546	68051	49966
N19GI008.D	B9G0906-DUP2	40017	68384	51457
N19GI009.D	9070228-03	39460	69570	53652
N19GI010.D	9070228-04	39379	68895	53257
N19GI011.D	9070228-05	38972	68299	53565
N19GI012.D	9070228-06	37997	66982	51872
N19GI013.D	9070228-07	38054	66601	50894
N19GI014.D	9070835-01	39169	68088	53012
N19GI015.D	9070835-02	39048	67751	51243
N19GI016.D	9070835-03	38837	66954	51233
N19GI017.D	9070835-04	38465	66235	49406
N19GI018.D	9070835-05	38840	67083	51270
N19GI019.D	9070835-06	38530	65161	48822
N19GI020.D	B9G0906-DUP3	38865	65743	49163
N19GI021.D	9070835-07	38929	66447	49690
N19GI022.D	B9G0906-DUP4	39423	68189	51108
N19GI023.D	T-H1-634	38046	67063	48214
N19GI024.D	B-H1-635	38427	67710	49561

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

Created: Wed Jul 10 14:21:18 2019 MSD_4

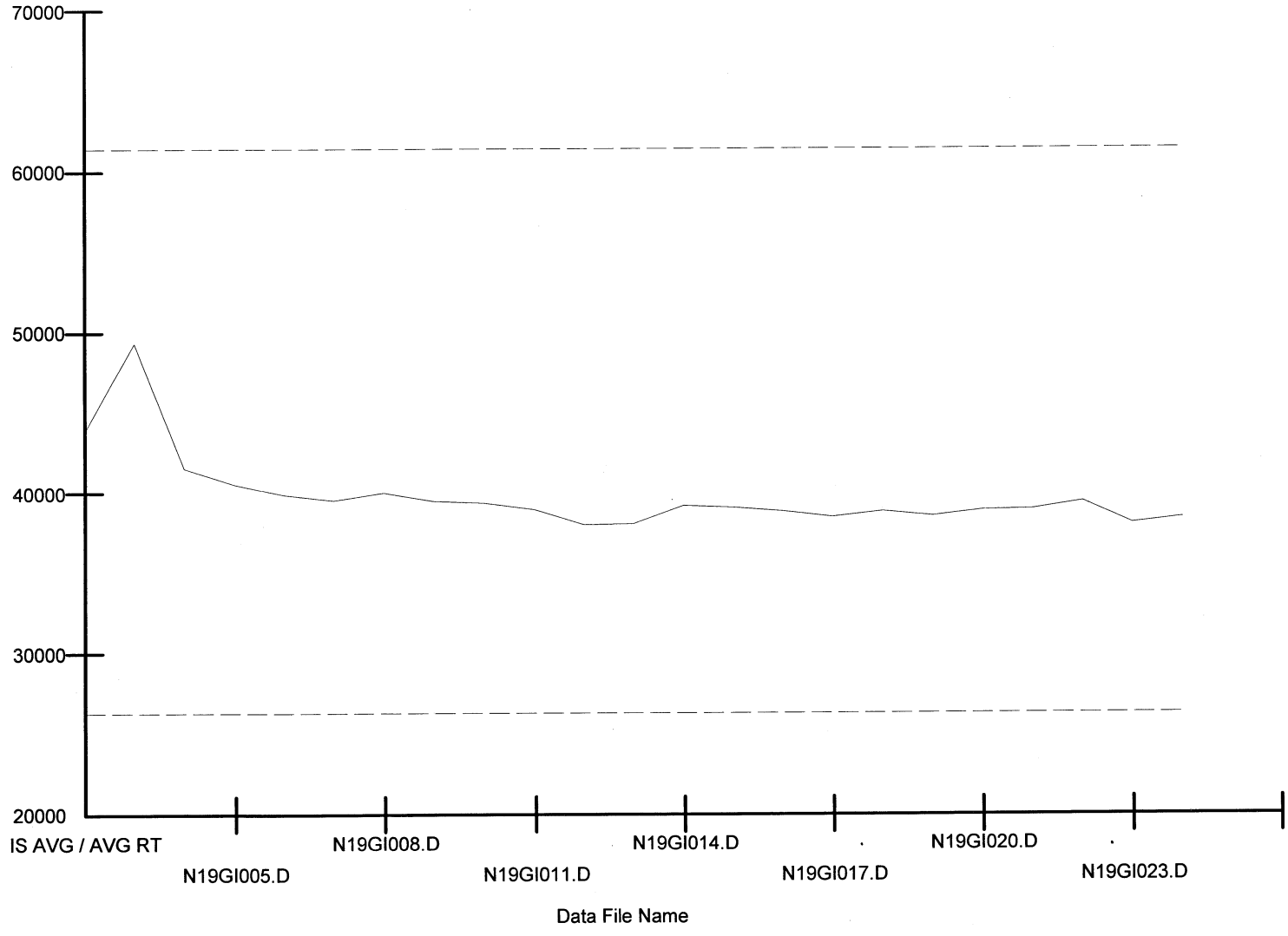
KSS 7/10/19

Compound Name			IS-Hexane-d14	IS-Hexane-d14	IS-1,4-Difluorobenzene	IS-1,4-Difluorobenzene	IS-Chlorobenzene-d5	IS-Chlorobenzene-d5
Labels	Date Acquired	Data File Name	(# 1) Target Response	(# 1) Ret Time	(# 3) Target Response	(# 3) Ret Time	(# 4) Target Response	(# 4) Ret Time
	7/10/2019 13:13	N19GI024.D	38427	21.38	67710	24.67	49561	31.88
Format 1 (Yes/No)								
Format 1 Title								
Format 2 (Yes/No)			YES	YES	YES	YES	YES	YES
Format 2 Title								
Show X Axis Title			YES	YES	YES	YES	YES	YES
Show Y Axis Title								
Lines To Chart								

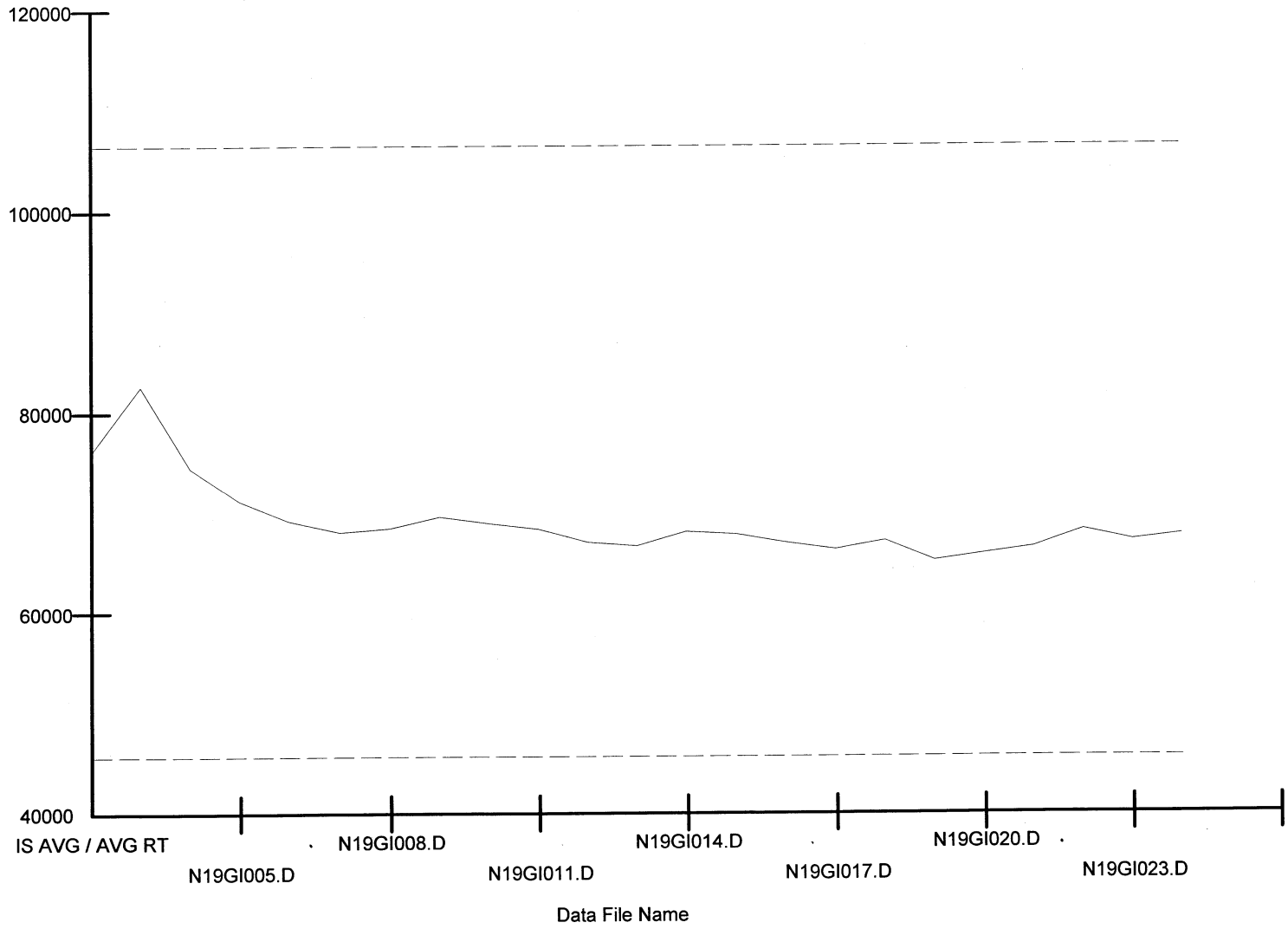
Start of Data	Format 1 X-axis	Format 2 X-axis	IS-Hexane-d14	% Rec	RT	DEV (min)	IS-Difluorobenzene	% Rec	RT	DEV (min)	IS-Chlorobenzene-d5	% Rec	RT	DEV (min)
		IS AVG / AVG RT	43869		21.36		76082		24.64		55371		31.86	
	7/9/2019 14:00	N19GI002.D	49319	112	21.37	0.01	82577	109	24.66	0.02	58354	105	31.87	0.01
	7/9/2019 16:06	N19GI004.D	41518	95	21.38	0.02	74460	98	24.66	0.02	52916	96	31.88	0.02
	7/9/2019 17:10	N19GI005.D	40537	92	21.37	0.01	71206	94	24.66	0.02	51351	93	31.88	0.02
	7/9/2019 18:14	N19GI006.D	39870	91	21.37	0.01	69164	91	24.66	0.02	49821	90	31.87	0.01
	7/9/2019 19:17	N19GI007.D	39546	90	21.37	0.01	68051	89	24.66	0.02	49966	90	31.87	0.01
	7/9/2019 20:21	N19GI008.D	40017	91	21.38	0.02	68384	90	24.66	0.02	51457	93	31.88	0.02
	7/9/2019 21:24	N19GI009.D	39460	90	21.38	0.02	69570	91	24.66	0.02	53652	97	31.88	0.02
	7/9/2019 22:27	N19GI010.D	39379	90	21.37	0.01	68895	91	24.66	0.02	53257	96	31.88	0.02
	7/9/2019 23:31	N19GI011.D	38972	89	21.37	0.01	68299	90	24.66	0.02	53565	97	31.88	0.02
	7/10/2019 12:34	N19GI012.D	37997	87	21.37	0.01	66982	88	24.66	0.02	51872	94	31.87	0.01
	7/10/2019 1:38	N19GI013.D	38054	87	21.38	0.02	66601	88	24.66	0.02	50894	92	31.88	0.02
	7/10/2019 2:42	N19GI014.D	39169	89	21.37	0.01	68088	89	24.66	0.02	53012	96	31.88	0.02
	7/10/2019 3:45	N19GI015.D	39048	89	21.37	0.01	67751	89	24.66	0.02	51243	93	31.88	0.02
	7/10/2019 4:48	N19GI016.D	38837	89	21.38	0.02	66954	88	24.66	0.02	51233	93	31.88	0.02
	7/10/2019 5:51	N19GI017.D	38465	88	21.38	0.02	66235	87	24.66	0.02	49406	89	31.88	0.02
	7/10/2019 6:55	N19GI018.D	38840	89	21.38	0.02	67083	88	24.67	0.03	51270	93	31.88	0.02
	7/10/2019 7:58	N19GI019.D	38530	88	21.38	0.02	65161	86	24.66	0.02	48822	88	31.88	0.02
	7/10/2019 9:01	N19GI020.D	38865	89	21.38	0.02	65743	86	24.66	0.02	49163	89	31.88	0.02
	7/10/2019 10:05	N19GI021.D	38929	89	21.38	0.02	66447	87	24.66	0.02	49690	90	31.88	0.02
	7/10/2019 11:08	N19GI022.D	39423	90	21.38	0.02	68189	90	24.67	0.03	51108	92	31.88	0.02
	7/10/2019 12:11	N19GI023.D	38046	87	21.38	0.02	67063	88	24.67	0.03	48214	87	31.88	0.02
	7/10/2019 13:13	N19GI024.D	38427	88	21.38	0.02	67710	89	24.67	0.03	49561	90	31.88	0.02

DGT 7/29/19

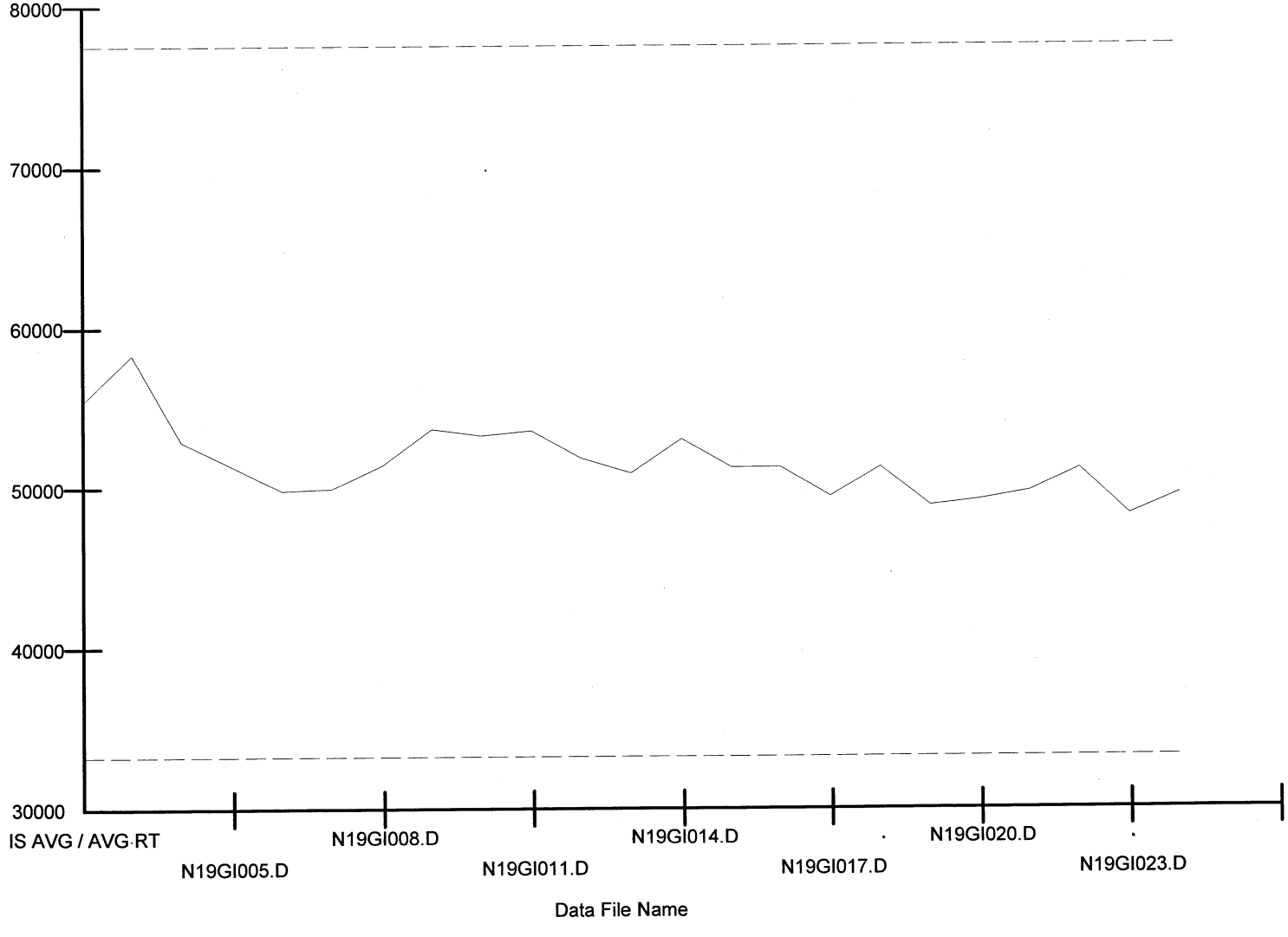
IS-Hexane-d14 (# 1) Target Response vs Data File Name



IS-1,4-Difluorobenzene (# 3) Target Response vs Data File Name



IS-Chlorobenzene-d5 (# 4) Target Response vs Data File Name



KSS
7/10/19

Data File Name	N19GI002.D
Sample Name	1907023-CCV1
Acq. Method File	9060006.M
Instrument Name	MSD_4

Name	Measured Amount (ppbv)	Area Cts	Cx Manual Calculated Amount (ppbv)	Avg RF
IS-Hexane-d14	**4.77**	**49319**	NA	**0.494**
Chloroprene	**2.468**	**12599**	**2.468**	

	9060006.M Avg Initial Calibration RF	Manual Calculated Chlorprene CCRF	ICV ppbv
		0.491	**2.48**
Level			
1	0.461		
2	0.480		
3	0.470		
4	0.501		
5	0.502		
6	0.549		
Avg	0.494		

$$C_x = \frac{A_x C_{is} DF}{A_{is} \overline{RRF}}$$

where: C_x = Compound concentration, ppbv.

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

C_{is} = Concentration of the internal standard spiking mixture, ppbv

$\overline{RRF}$ = Mean relative response factor from the initial calibration.

DF = Dilution factor

Analytical Standard Record

Eastern Research Group

9F21007

Description:	2.50 ppbv ICV/CCV	Expires:	07/20/19
Standard Type:	Calibration Stan	Prepared:	06/21/19
Solvent:	Scientific Air	Prepared By:	Mitch Howell
Final Volume (mls):	6000	Department:	Air Toxics
Vials:	1	Last Edit:	06/21/19 15:38 by MH

canister# 3255

Analyte	CAS Number	Concentration	Units
1,1,1-Trichloroethane	71-55-6	0.00247	ppmv
1,1,2,2-Tetrachloroethane	79-34-5	0.00253	ppmv
1,1,2-Trichloroethane	79-00-5	0.00248	ppmv
1,1-Dichloroethane	75-34-3	0.00243	ppmv
1,1-Dichloroethene	75-35-4	0.00244	ppmv
1,2,4-Trichlorobenzene	120-82-1	0.00248	ppmv
1,2,4-Trimethylbenzene	95-63-6	0.00238	ppmv
1,2-Dibromoethane	106-93-4	0.0025	ppmv
1,2-Dichloroethane	107-06-2	0.00249	ppmv
1,2-Dichloropropane	78-87-5	0.00253	ppmv
1,3,5-Trimethylbenzene	108-67-8	0.00252	ppmv
1,3-Butadiene	106-99-0	0.00247	ppmv
Acetonitrile	75-05-8	0.00253	ppmv
Acetylene	74-86-2	0.0024	ppmv
Acrolein	107-02-8	0.00242	ppmv
Acrylonitrile	107-13-1	0.0025	ppmv
Benzene	71-43-2	0.00251	ppmv
Bromochloromethane	74-97-5	0.00247	ppmv
Bromodichloromethane	75-27-4	0.00256	ppmv
Bromoform	75-25-2	0.00254	ppmv
Bromomethane	74-83-9	0.0025	ppmv
Carbon Disulfide	75-15-0	0.00248	ppmv
Carbon Tetrachloride	56-23-5	0.00252	ppmv
Chlorobenzene	108-90-7	0.00246	ppmv
Chloroethane	75-00-3	0.0025	ppmv
Chloroform	67-66-3	0.0025	ppmv
Chloromethane	74-87-3	0.00248	ppmv
Chloroprene	126-99-8	0.00248	ppmv
cis-1,2-Dichloroethylene	156-59-2	0.0025	ppmv
cis-1,3-Dichloropropene	10061-01-5	0.00254	ppmv

RJB — Reviewed By

7/26/19 — Date

Analytical Standard Record

Eastern Research Group

9F21007

Dibromochloromethane	124-48-1	0.00254	ppmv
Dichlorodifluoromethane	75-71-8	0.00238	ppmv
Dichloromethane	75-09-2	0.00248	ppmv
Dichlorotetrafluoroethane	76-14-2	0.00244	ppmv
Ethyl Acrylate	140-88-5	0.00254	ppmv
Ethyl tert-Butyl Ether	637-92-3	0.00257	ppmv
Ethylbenzene	100-41-4	0.0025	ppmv
Ethylene oxide	75-21-8	0.00246	ppmv
Hexachloro-1,3-butadiene	87-68-3	0.0025	ppmv
m,p-Xylene	108-38-3, 106-42-3	0.00498	ppmv
m-Dichlorobenzene	541-73-1	0.0024	ppmv
Methyl Isobutyl Ketone	108-10-1	0.00253	ppmv
Methyl Methacrylate	80-62-6	0.00254	ppmv
Methyl tert-Butyl Ether	1634-04-4	0.00254	ppmv
Naphthalene	91-20-3	0.00246	ppmv
n-Hexane	110-54-3	0.0025	ppmv
n-Octane	111-65-9	0.00252	ppmv
o-Dichlorobenzene	95-50-1	0.0025	ppmv
o-Xylene	95-47-6	0.00244	ppmv
p-Dichlorobenzene	106-46-7	0.00261	ppmv
Propylene	115-07-1	0.00245	ppmv
Styrene	100-42-5	0.0025	ppmv
tert-Amyl Methyl Ether	994-05-8	0.0026	ppmv
Tetrachloroethylene	127-18-4	0.00249	ppmv
Toluene	108-88-3	0.00244	ppmv
trans-1,2-Dichloroethylene	156-60-5	0.00246	ppmv
trans-1,3-Dichloropropene	10061-02-6	0.00246	ppmv
Trichloroethylene	79-01-6	0.00252	ppmv
Trichlorofluoromethane	75-69-4	0.0025	ppmv
Trichlorotrifluoroethane	76-13-1	0.00244	ppmv
Vinyl chloride	75-01-4	0.0025	ppmv

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
8L18003	Ethylene Oxide Stock Standard	12/06/18	** Vendor **	12/06/19	12/18/18 10:28 by MH	15

Reviewed By _____ Date _____

Evaluate Continuing Calibration Report

KSS
7/10/19

Data Path : C:\MSDCHEM\1\DATA\N19GI\
Data File : N19GI002.D
Acq On : 9 Jul 2019 2:00 pm (#1); 09-Jul-19, 13:54:37 (#2)
Operator : KSS
Sample : 1907023-CCV1
Misc : 80ML 8L13001,9F21007 (Sig #1); (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 14:17:24 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 1% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 IS	IS-Hexane-d14	1.000	1.000	0.0	100	0.00
2 CT	Chloroprene	0.494	0.491	0.6	100	0.00
3 IS	IS-1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
4 IS	IS-Chlorobenzene-d5	1.000	1.000	0.0	100	0.00

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

KSS
7/10/19

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\N19GI\
Data File : N19GI002.D
Acq On : 9 Jul 2019 2:00 pm (#1); 09-Jul-19, 13:54:37 (#2)
Operator : KSS
Sample : 1907023-CCV1 ✓
Misc : 80ML 8L13001,9F21007 (Sig #1); (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 14:17:24 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	21.369	66	49319	4.7700 ppbv	0.01
3) IS-1,4-Difluorobenzene	24.662	114	82577	4.9900 ppbv	0.02
4) IS-Chlorobenzene-d5	31.871	117	58354	4.7400 ppbv	0.02

System Monitoring Compounds

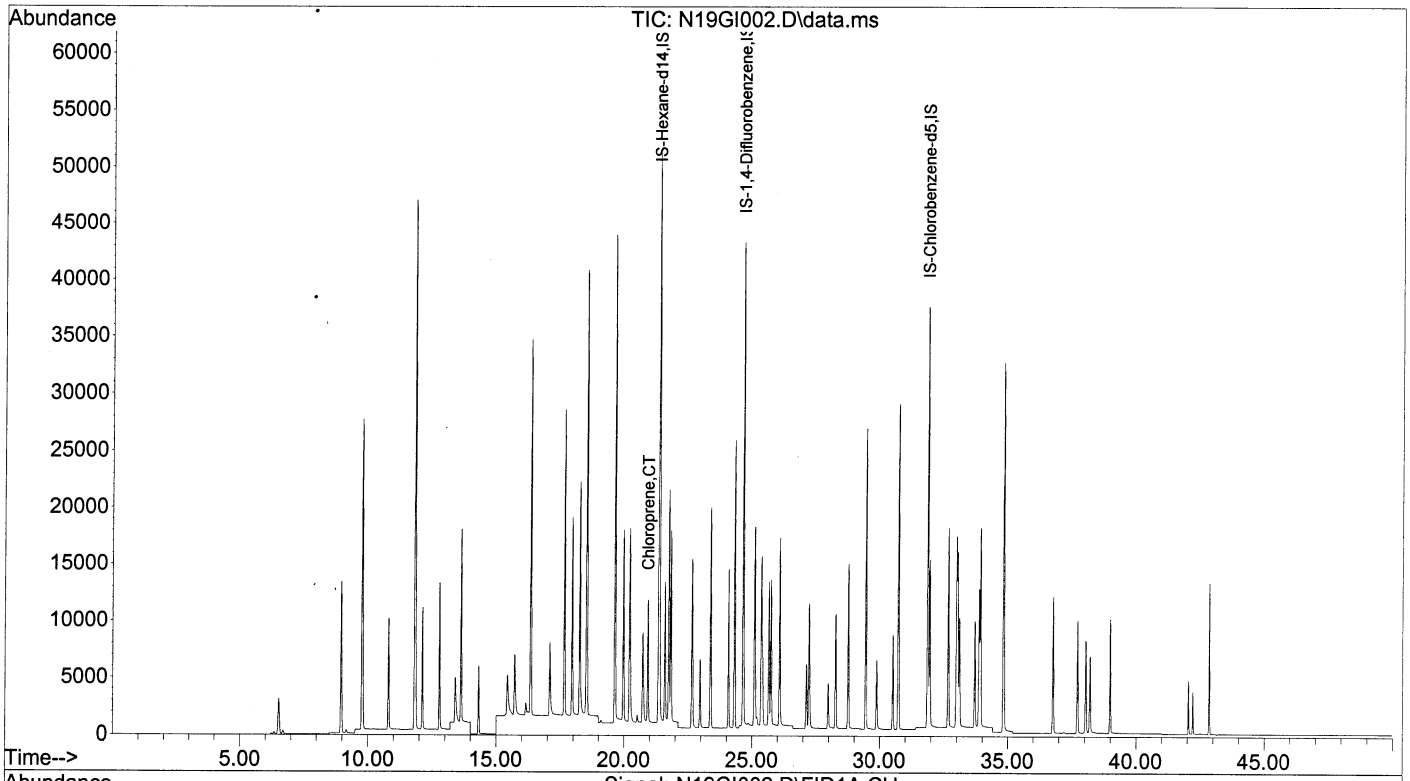
Target Compounds					Qvalue
2) Chloroprene	20.927	53	12599	2.4682 ppbv	99

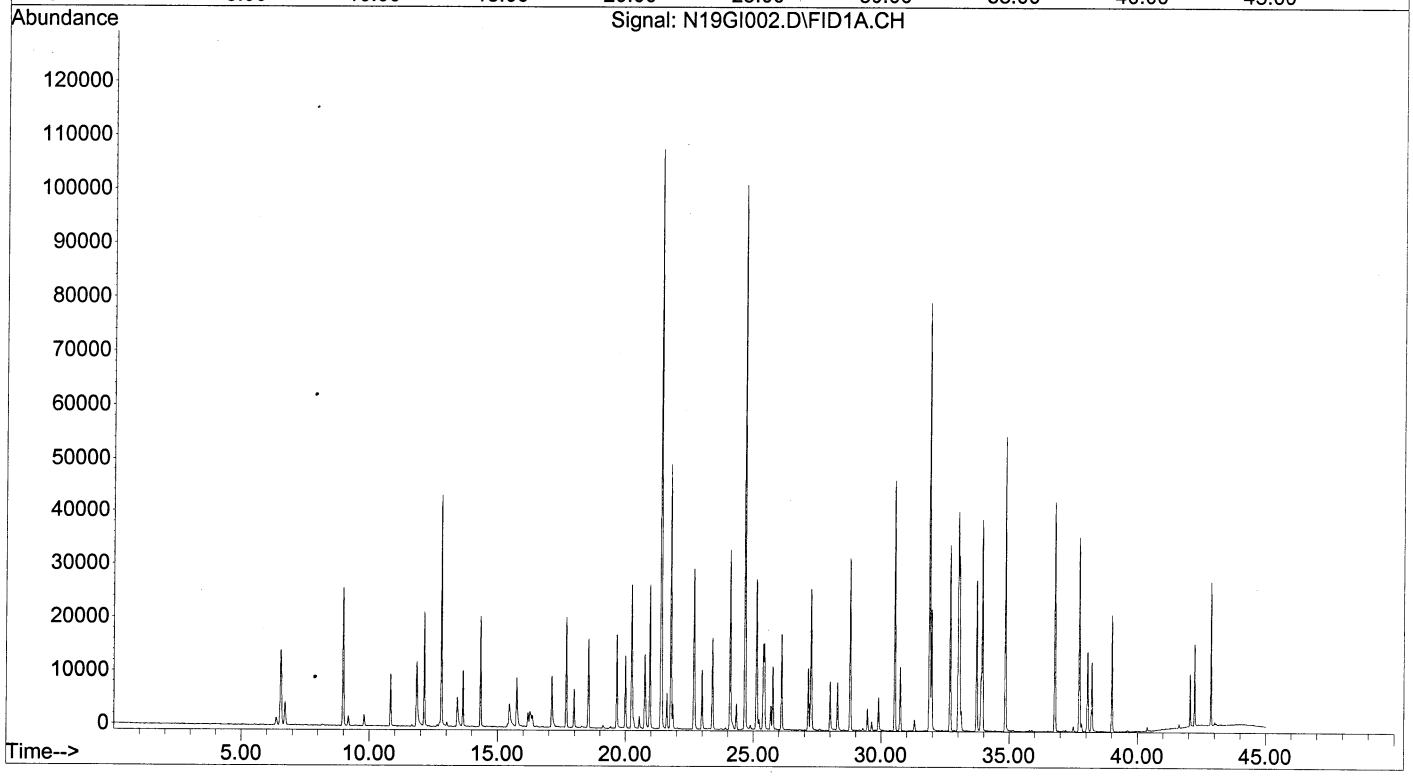
(#) = qualifier out of range (m) = manual integration (+) = signals summed

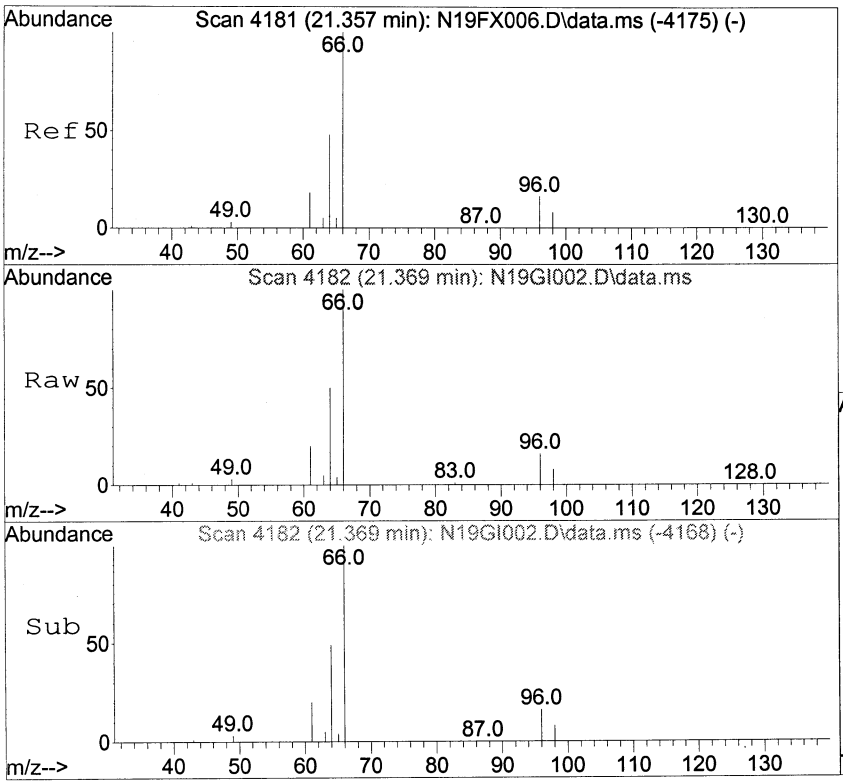
Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\N19GI\
Data File : N19GI002.D
Acq On : 9 Jul 2019 2:00 pm (#1); 09-Jul-19, 13:54:37 (#2)
Operator : KSS .
Sample : 1907023-CCV1
Misc : 80ML 8L13001,9F21007 (Sig #1); (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 10 14:17:24 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration



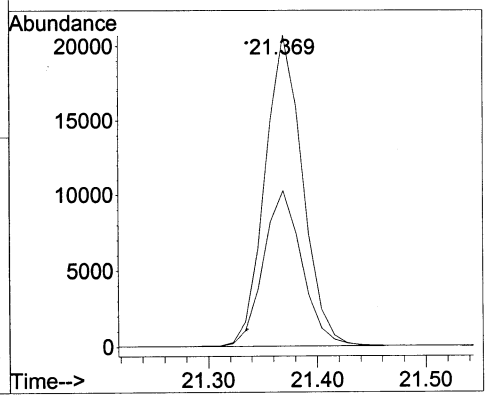


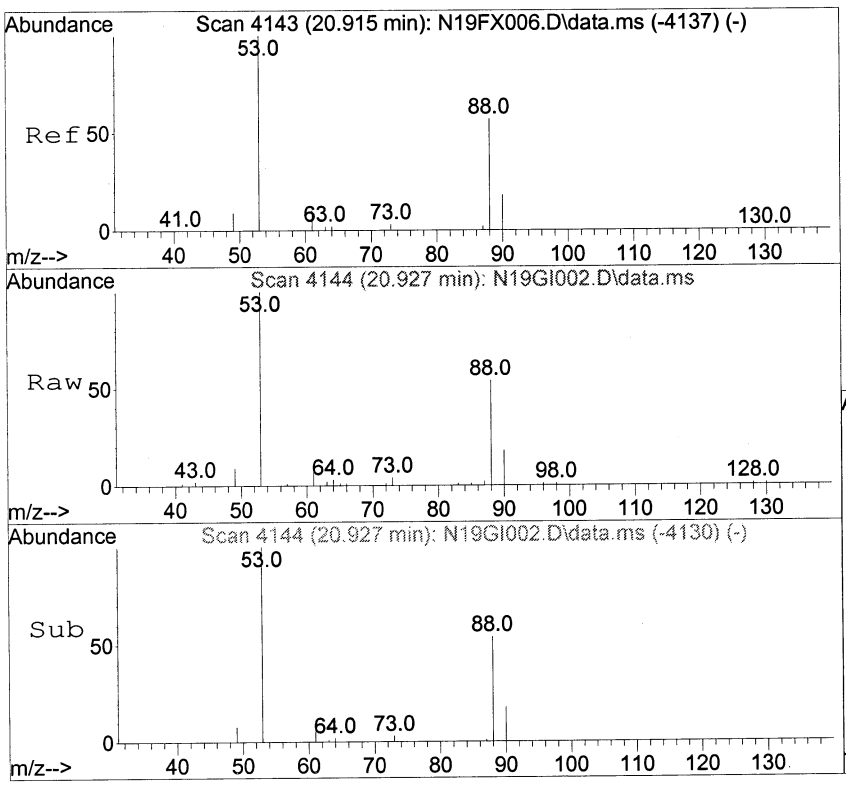


#1
IS-Hexane-d14
Concen: 4.7700 ppbv
RT: 21.369 min Scan# 4182
Delta R.T. 0.012 min
Lab File: N19GI002.D
Acq: 9 Jul 2019 2:00 pm

Tgt Ion: 66 Resp: 49319

Ion	Ratio	Lower	Upper
66	100		
64	50.9	35.3	65.5

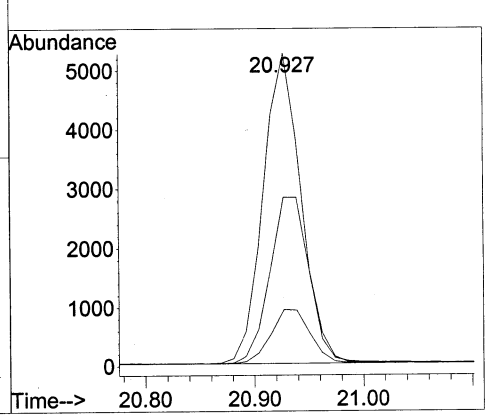


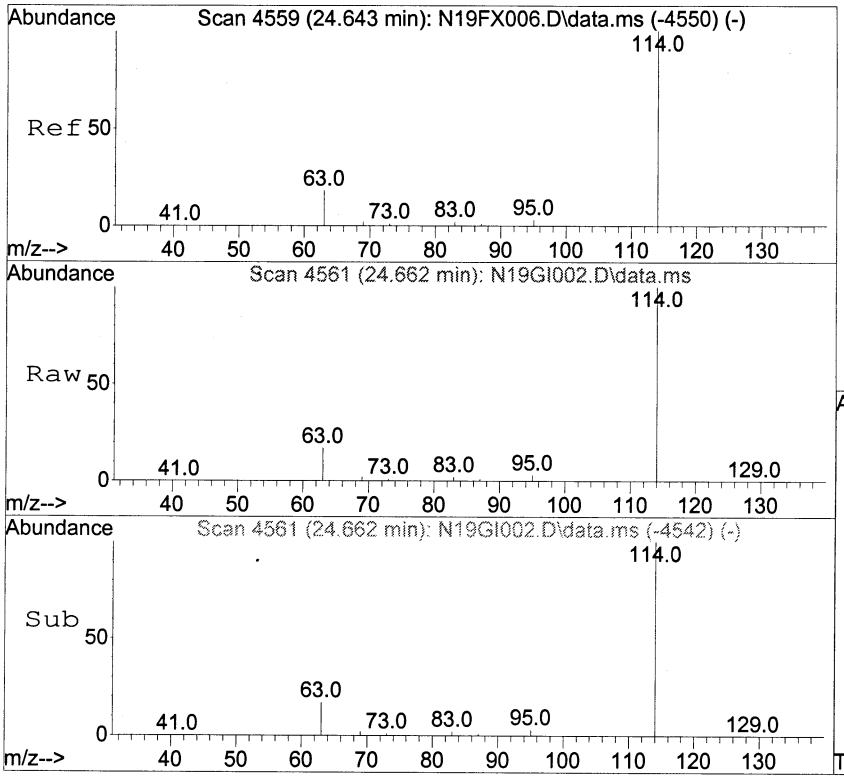


#2
Chloroprene
Concen: 2.468 ppbv
RT: 20.927 min Scan# 4144
Delta R.T. 0.012 min
Lab File: N19GI002.D
Acq: 9 Jul 2019 2:00 pm

Tgt Ion: 53 Resp: 12599

Ion	Ratio	Lower	Upper
53	100		
88	57.0	45.1	67.7
90	18.4	14.5	21.7

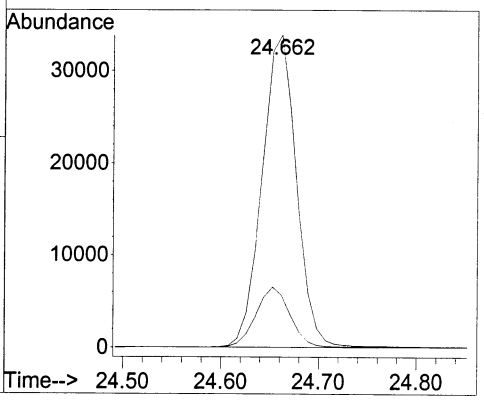


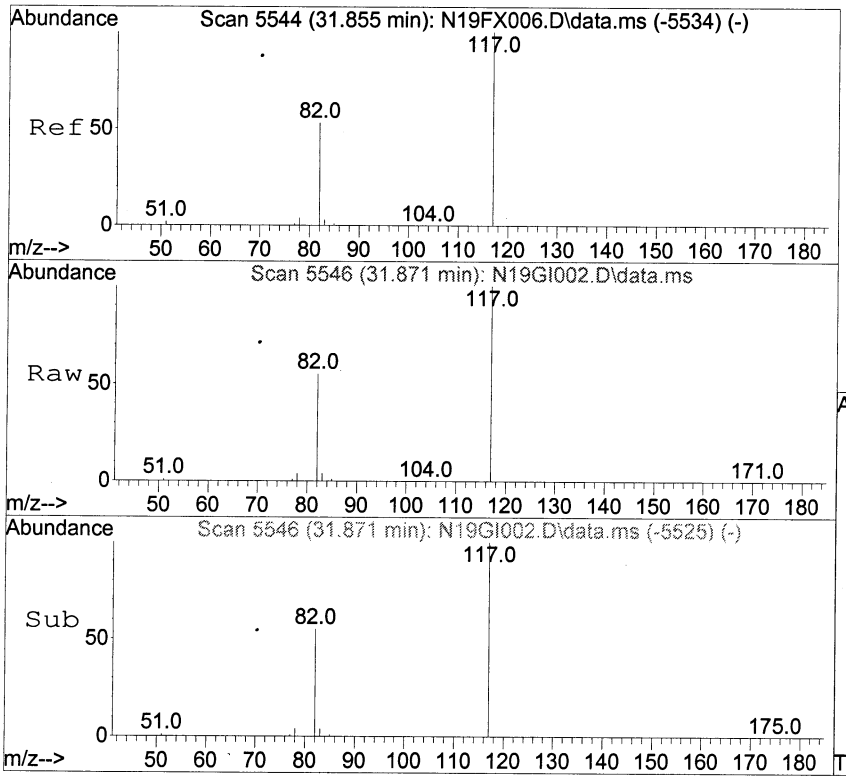


#3
IS-1,4-Difluorobenzene
Concen: 4.9900 ppbv
RT: 24.662 min Scan# 4561
Delta R.T. 0.018 min
Lab File: N19GI002.D
Acq: 9 Jul 2019 2:00 pm

Tgt Ion:114 Resp: 82577

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.1

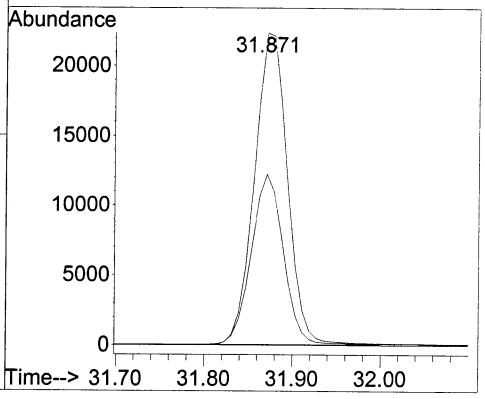




#4
IS-Chlorobenzene-d5
Concen: 4.7400 ppbv
RT: 31.871 min Scan# 5546
Delta R.T. 0.016 min
Lab File: N19GI002.D
Acq: 9 Jul 2019 2:00 pm

Tgt Ion:117 Resp: 58354

Ion	Ratio	Lower	Upper
117	100		
82	53.1	23.1	83.1
54	0.0	0.0	30.0



Canister Batch Blank / Method Blank
TO-15

		Data File Name	N19GI004.D			
	Analyst: KSS Date: 7/10/19	Operator	KSS			
		Acq. Method File	9060006.M			
	Reviewer: RMB Date: 7/26/19	Sample Name	B9G0906-BLK1			
		Misc Info	80ML 8L13001, T-H2-626			
#	**Name**	**Target Response**	**Amount (ppbv)**	**PASS***		Blank Criteria
1)	**IS-Hexane-d14**	41518	4.77	**NA**		NA
2)	**Chloroprene**	0	0.00	**Y**		0.0222
3)	**IS-1,4-Difluorobenzene**	74460	4.99	**NA**		NA
4)	**IS-Chlorobenzene-d5**	52916	4.74	**NA**		NA

*Canister Batch Blanks and Method Blanks must be less than 0.2 ppb or 3x MDL whichever value is lesser

Chloroprene_BLANK_TEMPLATE_03-28-18
Y:\AIR TOX\TO-15 BLANK TEST\Chloroprene_BLANK_TEMPLATE_04-30-19

Quantitation Report (QT Reviewed)

KSS
7/10/19

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI004.D
Acq On : 9 Jul 2019 4:06 pm (#1); 09-Jul-19, 16:00:34 (#2)
Operator : KSS
Sample : B9G0906-BLK1
Misc : 80ML 8L13001, T-H2-626 (Sig #1); (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 14:17:29 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS-Hexane-d14	21.381	66	41518	4.7700	ppbv	0.02
3) IS-1,4-Difluorobenzene	24.662	114	74460	4.9900	ppbv	0.02
4) IS-Chlorobenzene-d5	31.879	117	52916	4.7400	ppbv	0.02

System Monitoring Compounds

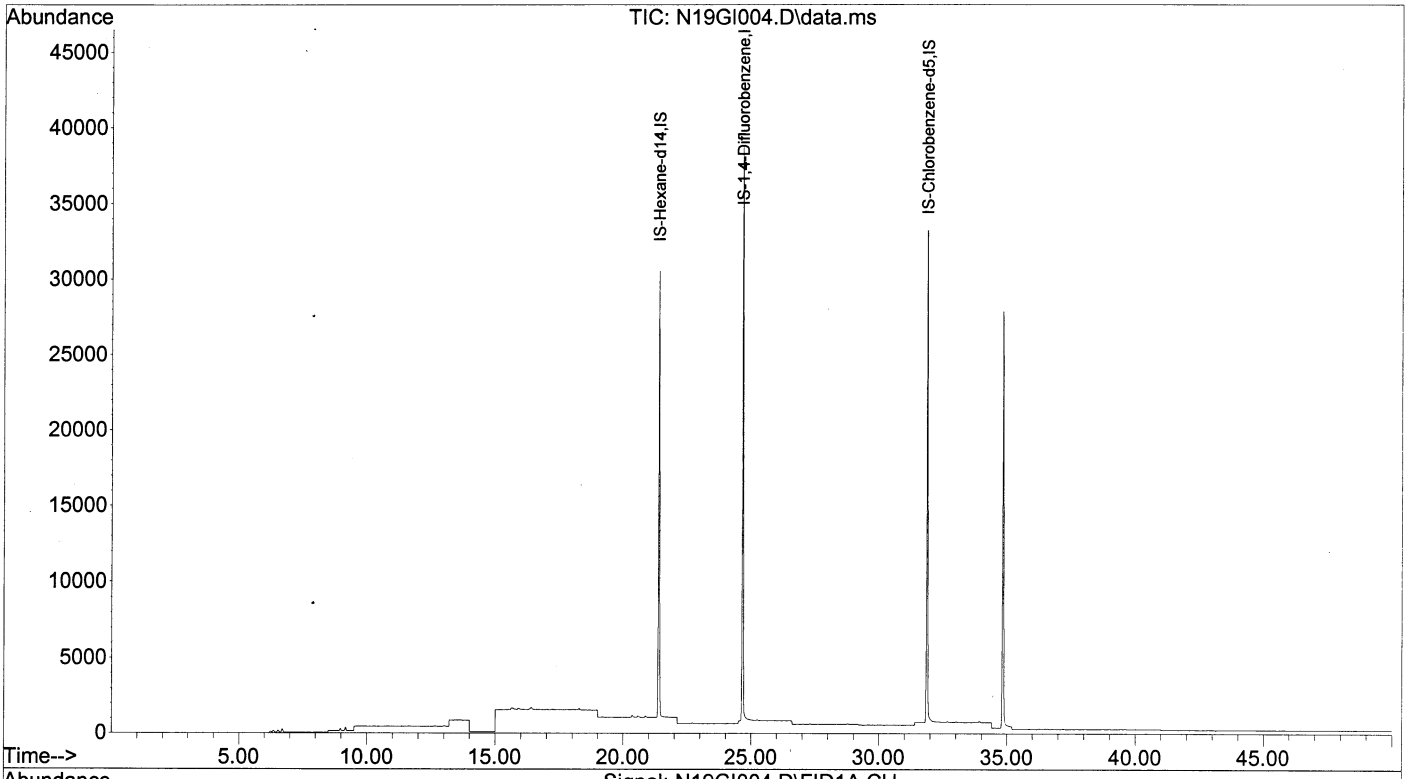
Target Compounds					Qvalue
2) Chloroprene	0.000	53	0	N.D.	

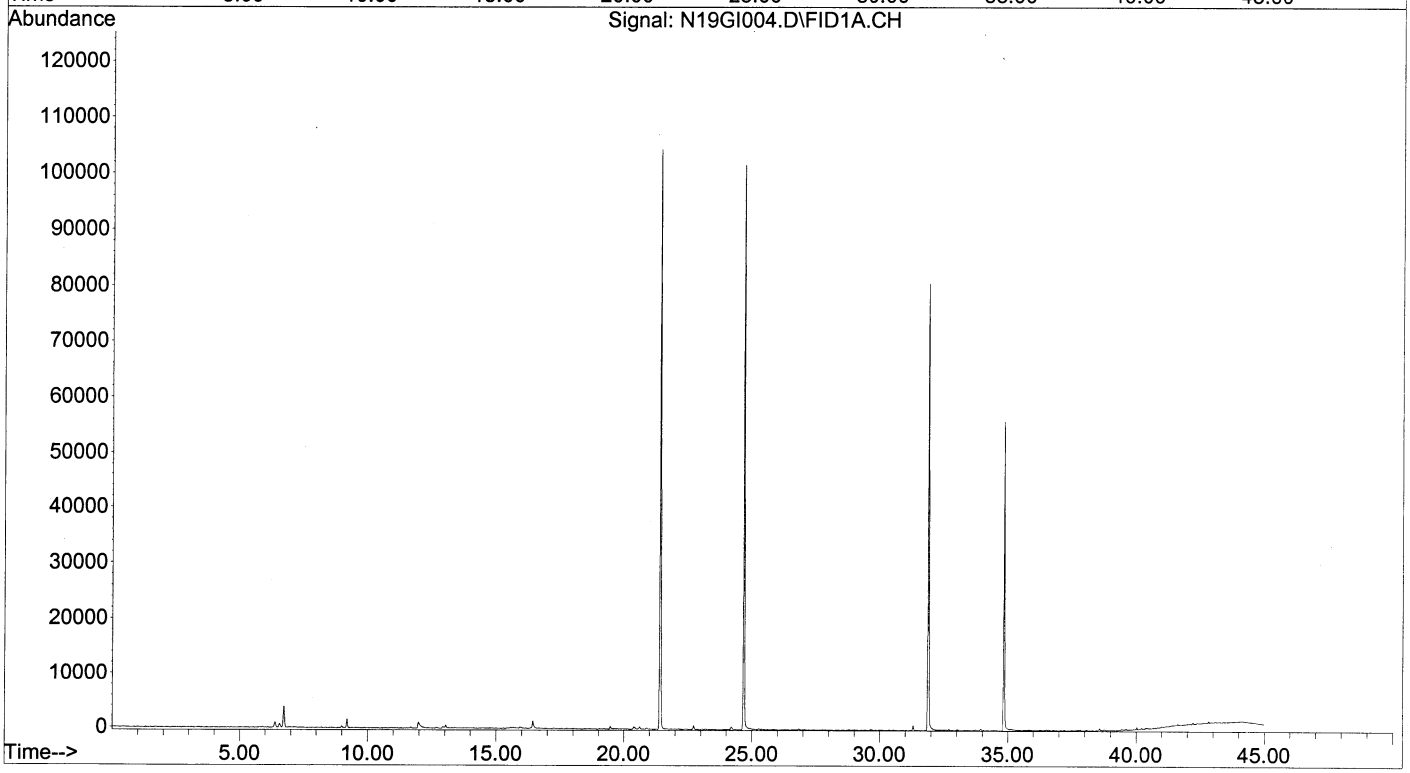
(#) = qualifier out of range (m) = manual integration (+) = signals summed

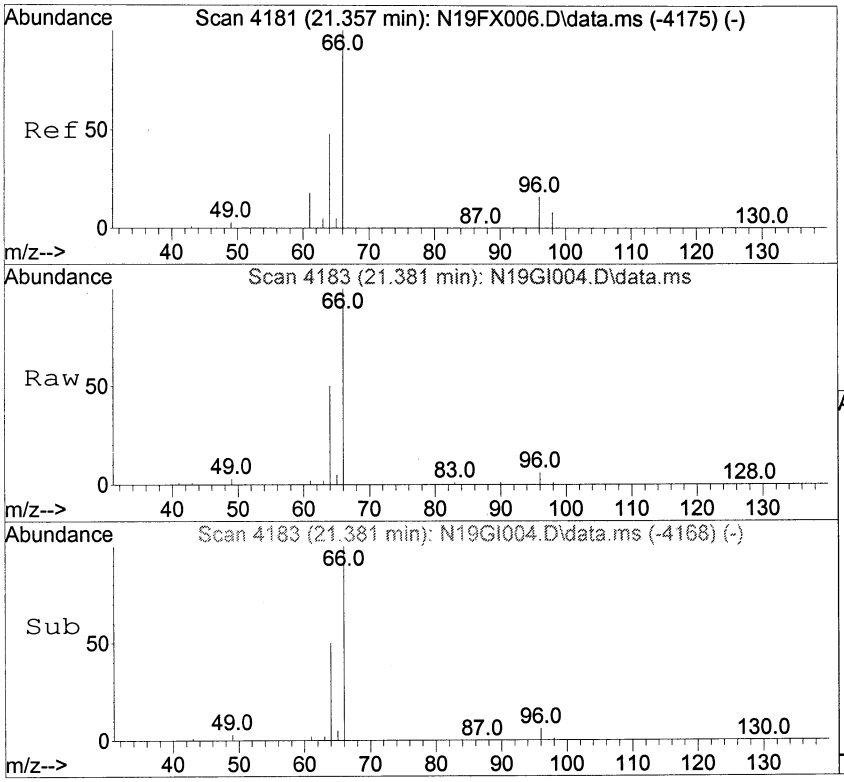
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI004.D
Acq On : 9 Jul 2019 4:06 pm (#1); 09-Jul-19, 16:00:34 (#2)
Operator : KSS
Sample : B9G0906-BLK1
Misc : 80ML 8L13001, T-H2-626 (Sig #1); (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 10 14:17:29 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration



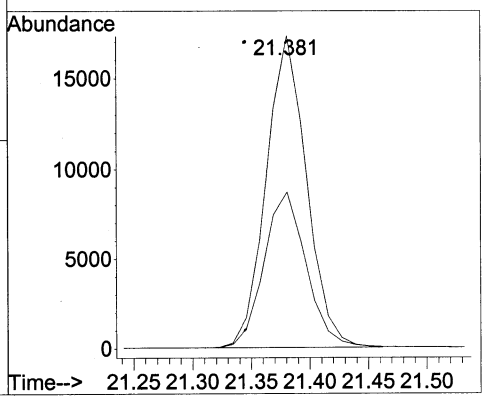


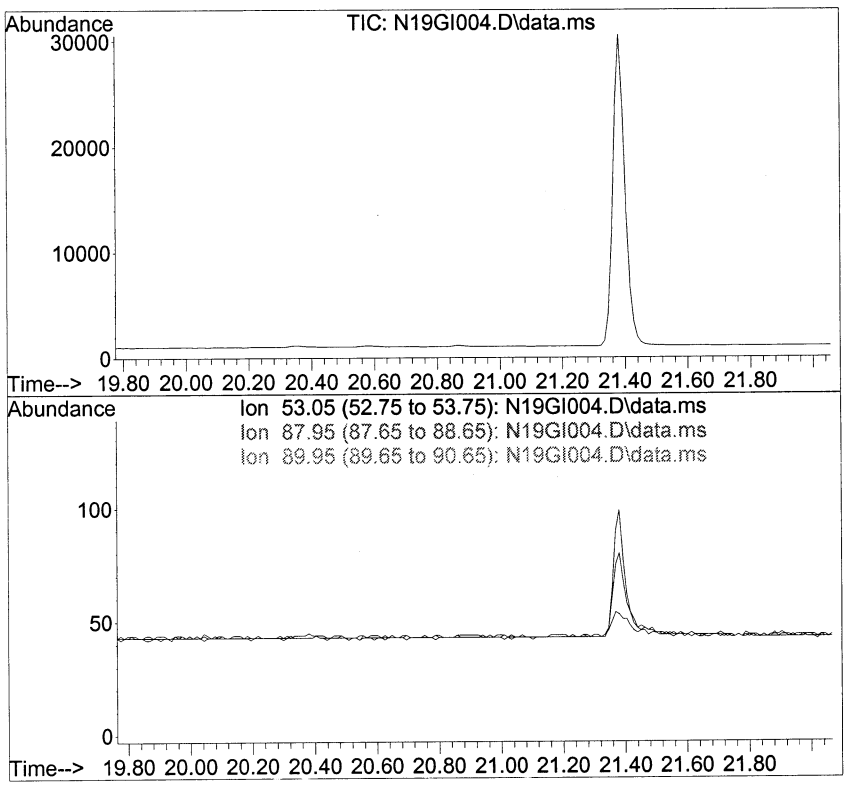


#1
IS-Hexane-d14
Concen: 4.7700 ppbv
RT: 21.381 min Scan# 4183
Delta R.T. .0.024 min
Lab File: N19GI004.D
Acq: 9 Jul 2019 4:06 pm

Tgt Ion: 66 Resp: 41518

Ion	Ratio	Lower	Upper
66	100		
64	52.4	35.3	65.5



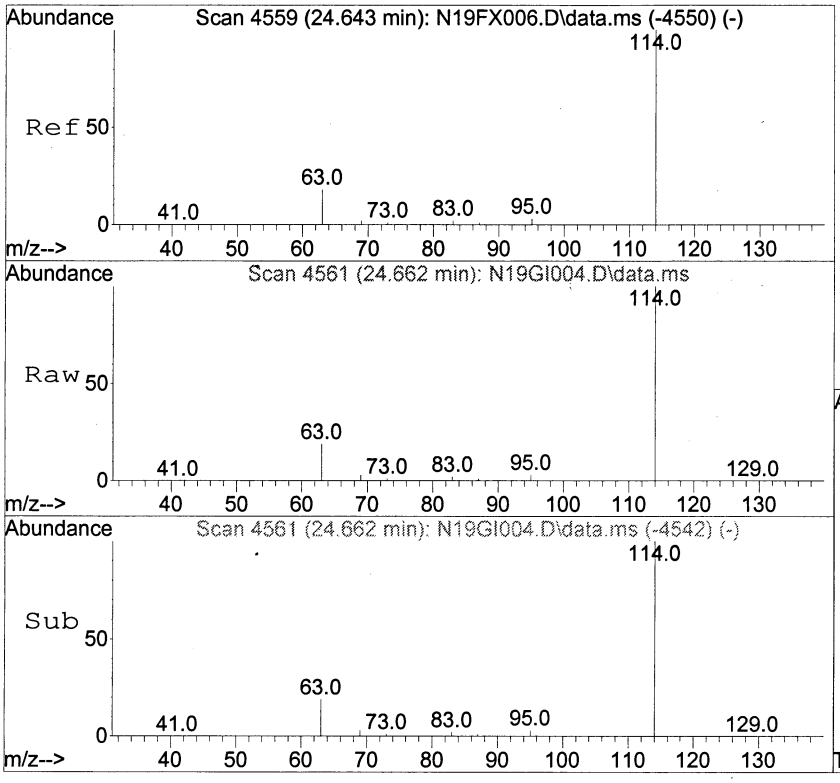


#2
Chloroprene
Concen: N.D.
Expected RT: 20.91 min

Lab File: N19GI004.D
Acq: 9 Jul 2019 4:06 pm

Tgt Ion: 53

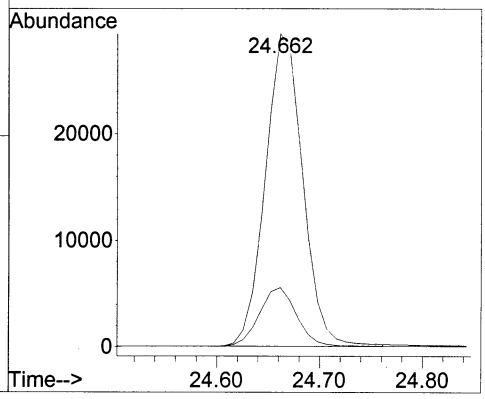
Sig	Exp Ratio
53	100
88	56.4
90	18.1

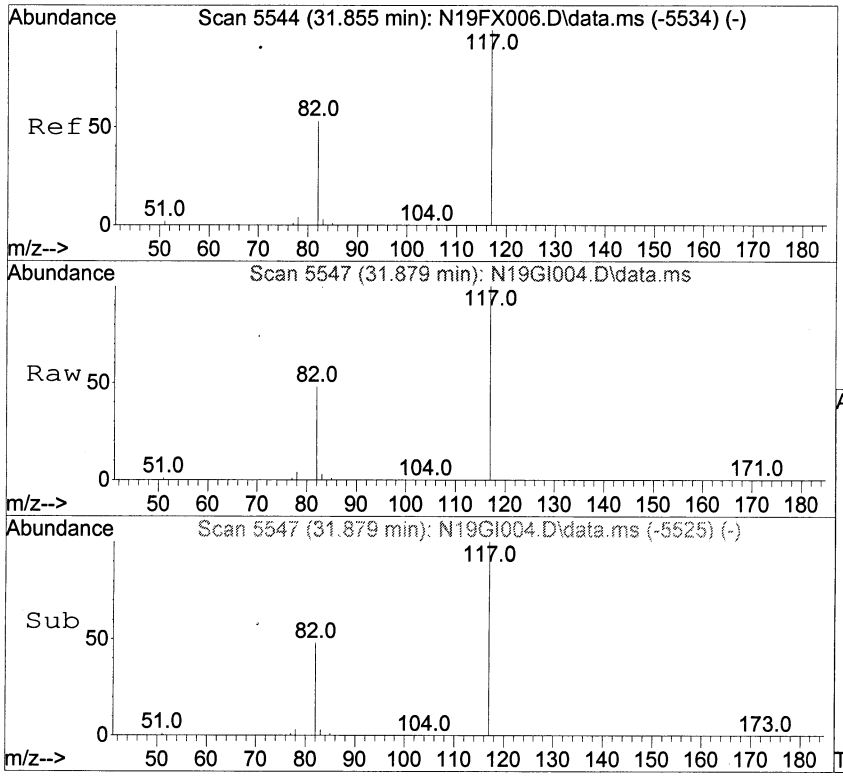


#3
IS-1,4-Difluorobenzene
Concen: 4.9900 ppbv
RT: 24.662 min Scan# 4561
Delta R.T. 0.018 min
Lab File: N19GI004.D
Acq: 9 Jul 2019 4:06 pm

Tgt Ion:114 Resp: 74460

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.1

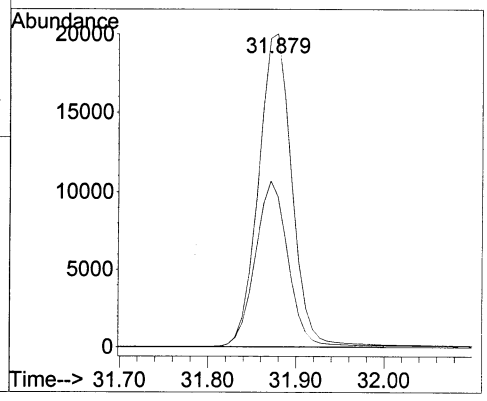




#4
IS-Chlorobenzene-d5
Concen: 4.7400 ppbv
RT: 31.879 min Scan# 5547
Delta R.T. 0.024 min
Lab File: N19GI004.D
Acq: 9 Jul 2019 4:06 pm

Tgt Ion:117 Resp: 52916

Ion	Ratio	Lower	Upper
117	100		
82	52.5	23.1	83.1
54	0.0	0.0	30.0



Duplicate Comparison Check

Comparison of Duplicate Samples

		D1	D2		
File ID		N19GI005.D	N19GI007.D		
Analyst		KSS	KSS		
Method		9060006.M	9060006.M		
Sample ID		9070228-01	9070228-02		
Mics Comments		LEVEE C1 6/28/19	LEVEE C2 6/28/19		
Compound	**MDL**	**Amount (ppbv)**	**Amount (ppbv)**	**RPD**	**Passed?**
IS-Hexane-d14	NA	4.77	4.77	NA	
Chloroprene	0.0074	1.107	1.103	0.36	Y
IS-1,4-Difluorobenzene	NA	4.99	4.99	NA	
IS-Chlorobenzene-d5	NA	4.74	4.74	NA	

Comparison of Replicate Analyses

		D1	R1		
File ID		N19GI005.D	N19GI006.D		
Analyst		KSS	KSS		
Method		9060006.M	9060006.M		
Sample ID		9070228-01	B9G0906-DUP1		
Mics Comments		LEVEE C1 6/28/19	LEVEE R1 6/28/19		
Compound	**MDL**	**Amount/ppbv**	**Amount (ppbv)**	**RPD**	**Passed?**
IS-Hexane-d14	NA	4.77	4.77	NA	
Chloroprene	0.0074	1.107	1.14	2.94	Y
IS-1,4-Difluorobenzene	NA	4.99	4.99	NA	
IS-Chlorobenzene-d5	NA	4.74	4.74	NA	

Comparison of Replicate Analyses

		D2	R2		
File ID		N19GI007.D	N19GI008.D		
Analyst		KSS	KSS		
Method		9060006.M	9060006.M		
Sample ID		9070228-02	B9G0906-DUP2		
Mics Comments		LEVEE C2 6/28/19	LEVEE R2 6/28/19		
Compound	**MDL**	**Amount/ppbv**	**Amount (ppbv)**	**RPD**	**Passed?**
IS-Hexane-d14	NA	4.77	4.77	NA	
Chloroprene	0.0074	1.103	1.123	1.80	Y
IS-1,4-Difluorobenzene	NA	4.99	4.99	NA	
IS-Chlorobenzene-d5	NA	4.74	4.74	NA	

NA = Not Applicable. Precision can not be evaluated due to an average [illegible] MDL

Quantitation Report (QT Reviewed)

KSS
7/11/19

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI005.D
Acq On : 9 Jul 2019 5:10 pm (#1); 09-Jul-19, 17:04:15 (#2)
Operator : KSS
Sample : 9070228-01
Misc : LEVEE C1 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 14:17:31 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS-Hexane-d14	21.369	66	40537	4.7700	ppbv	0.01
3) IS-1,4-Difluorobenzene	24.662	114	71206	4.9900	ppbv	0.02
4) IS-Chlorobenzene-d5	31.879	117	51351	4.7400	ppbv	0.02

System Monitoring Compounds

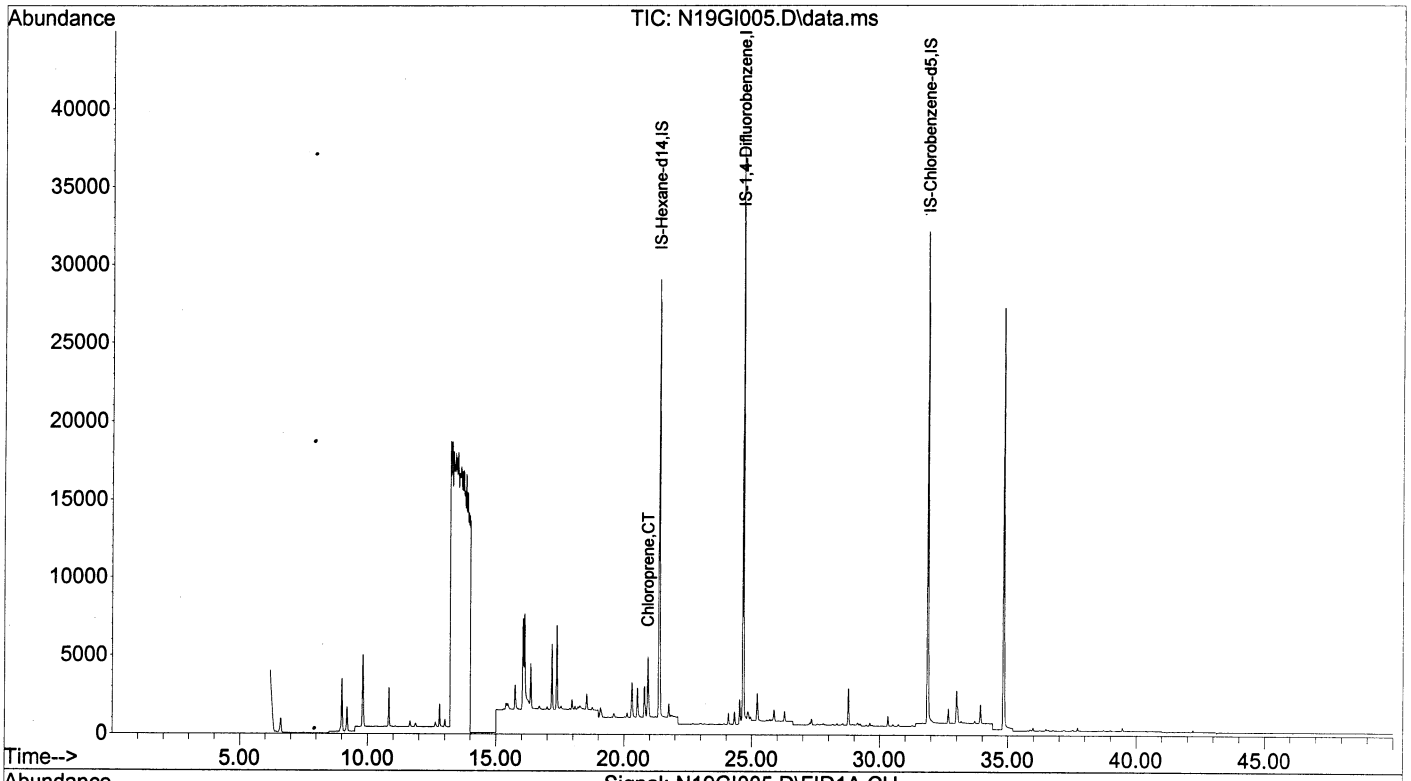
Target Compounds						Qvalue
2) Chloroprene	20.927	53	4644	1.1069	ppbv	100

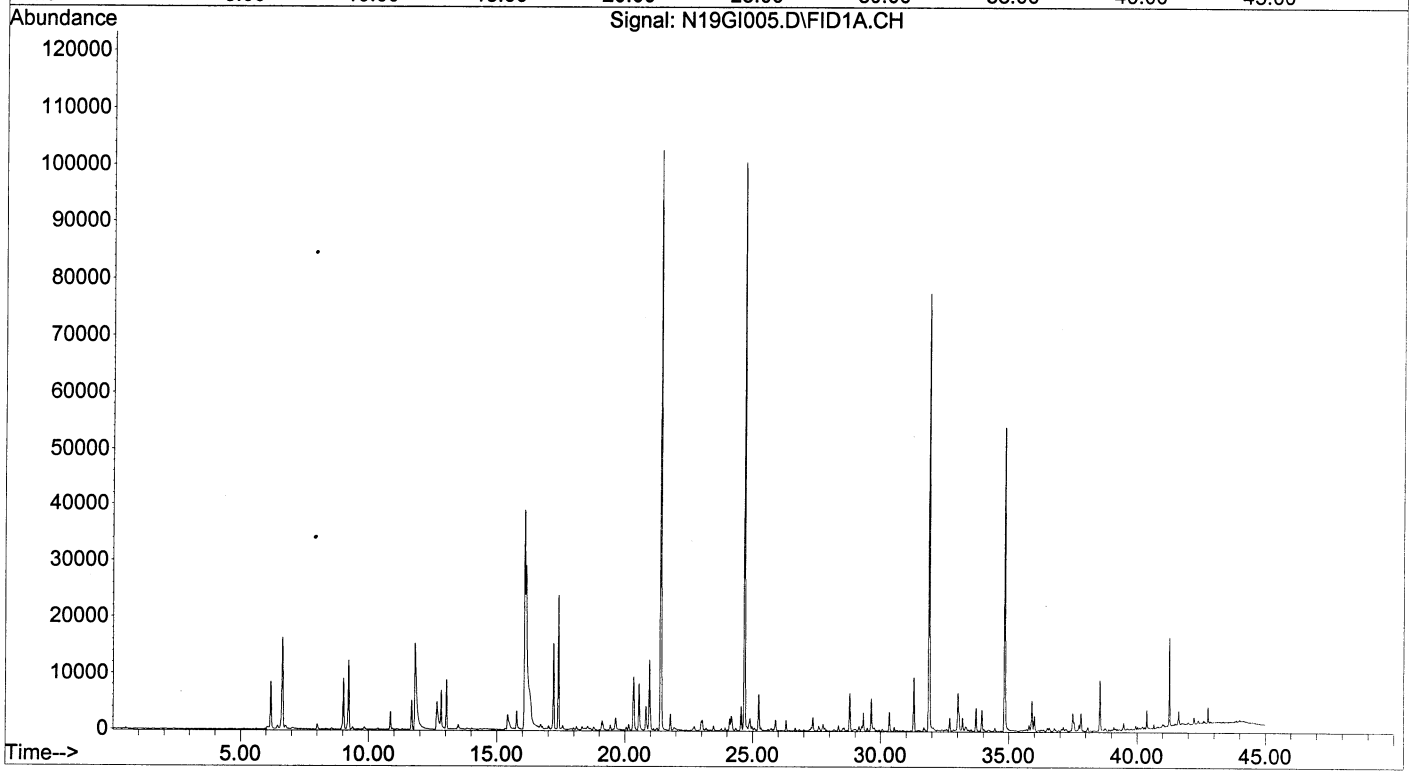
(#) = qualifier out of range (m) = manual integration (+) = signals summed

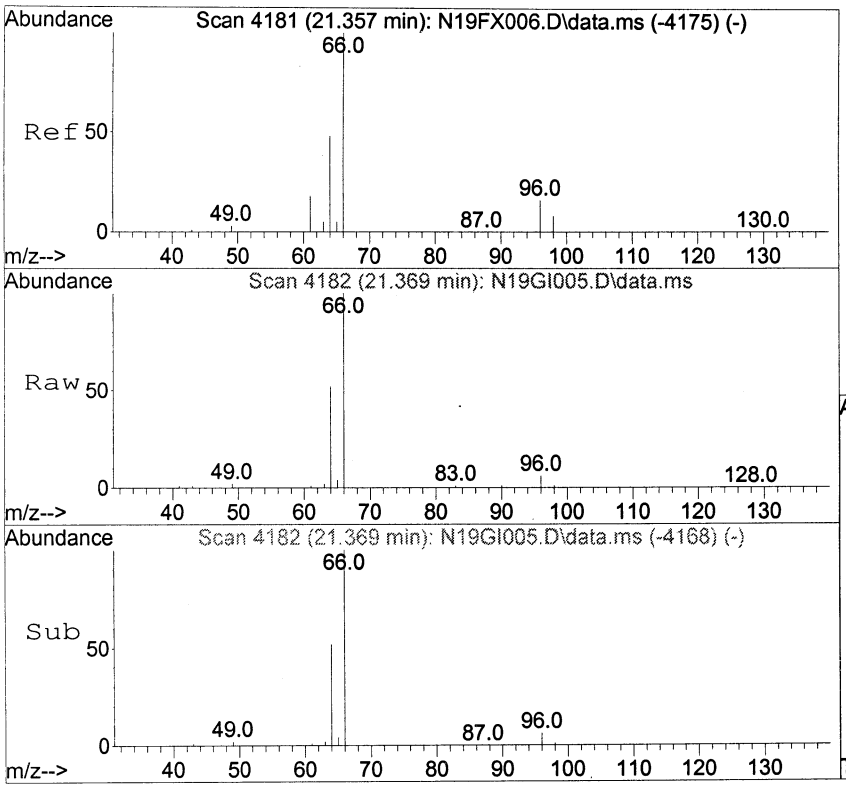
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI005.D
Acq On : 9 Jul 2019 5:10 pm (#1); 09-Jul-19, 17:04:15 (#2)
Operator : KSS
Sample : 9070228-01
Misc : LEVEE C1 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 10 14:17:31 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration



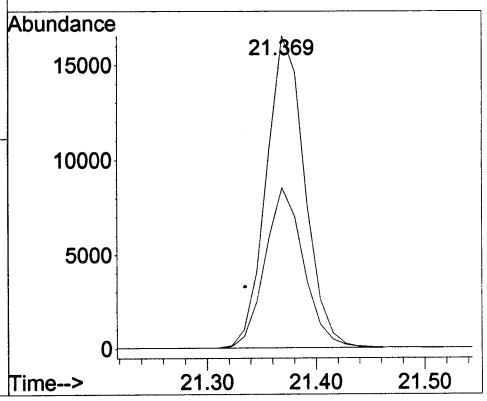


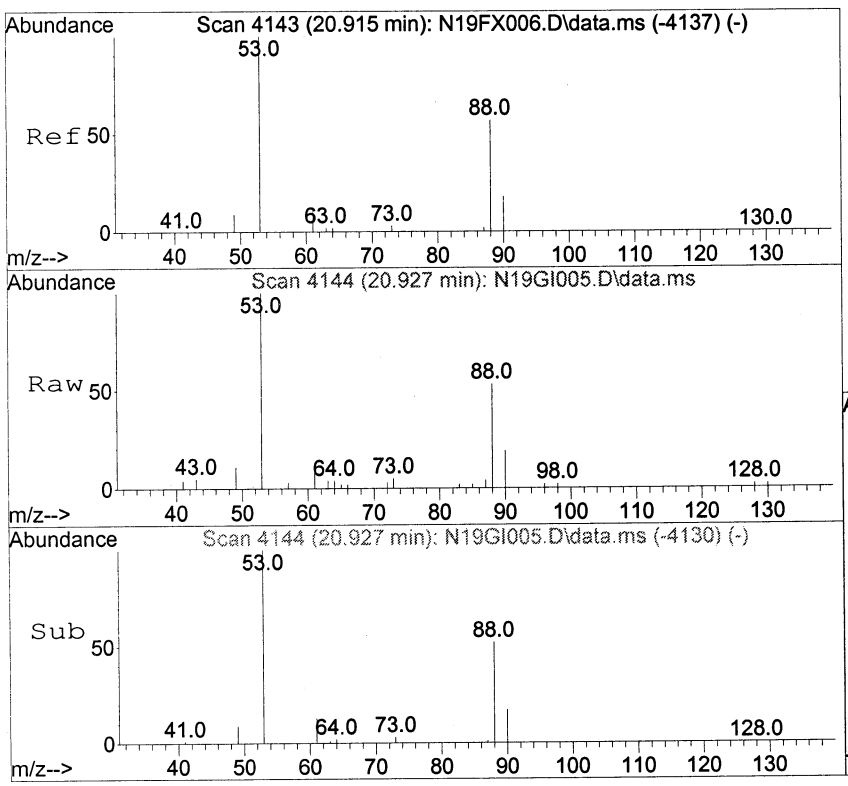


#1
IS-Hexane-d14
Concen: 4.7700 ppbv
RT: 21.369 min Scan# 4182
Delta R.T. 0.012 min
Lab File: N19GI005.D
Acq: 9 Jul 2019 5:10 pm

Tgt Ion: 66 Resp: 40537

Ion	Ratio	Lower	Upper
66	100		
64	51.8	35.3	65.5

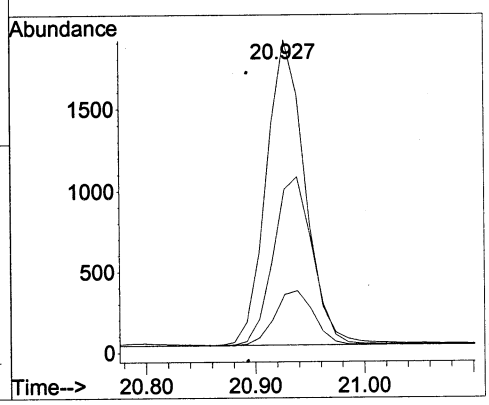


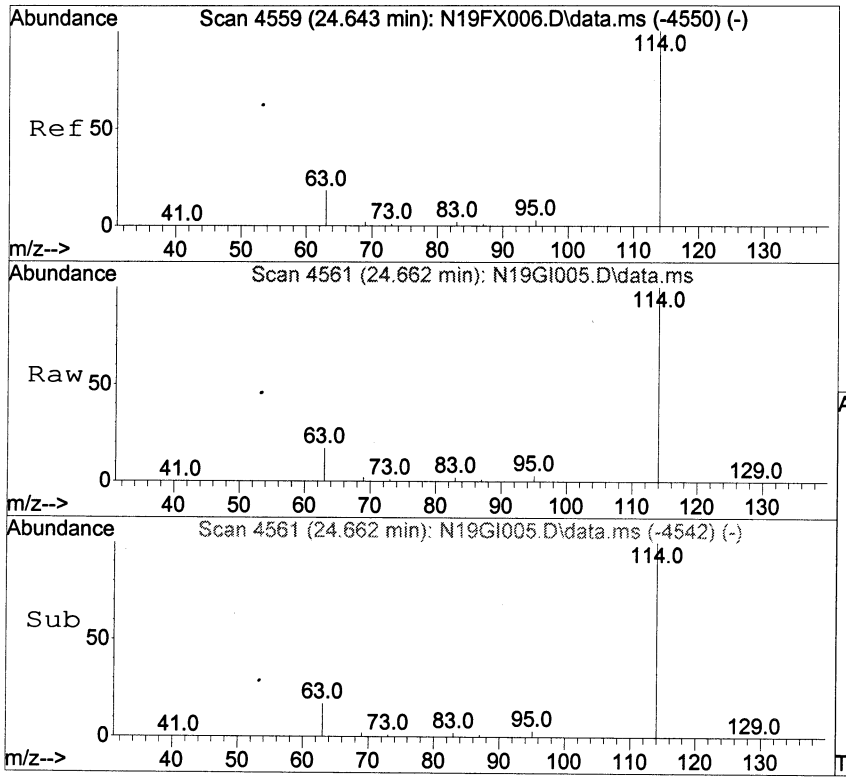


#2
Chloroprene
Concen: 1.107 ppbv
RT: 20.927 min Scan# 4144
Delta R.T. 0.012 min
Lab File: N19GI005.D
Acq: 9 Jul 2019 5:10 pm

Tgt Ion: 53 Resp: 4644

Ion	Ratio	Lower	Upper
53	100		
88	56.6	45.1	67.7
90	18.3	14.5	21.7

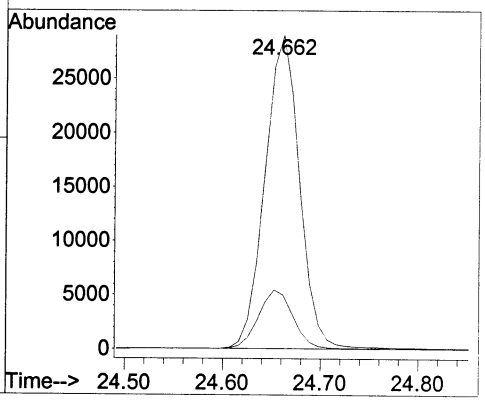


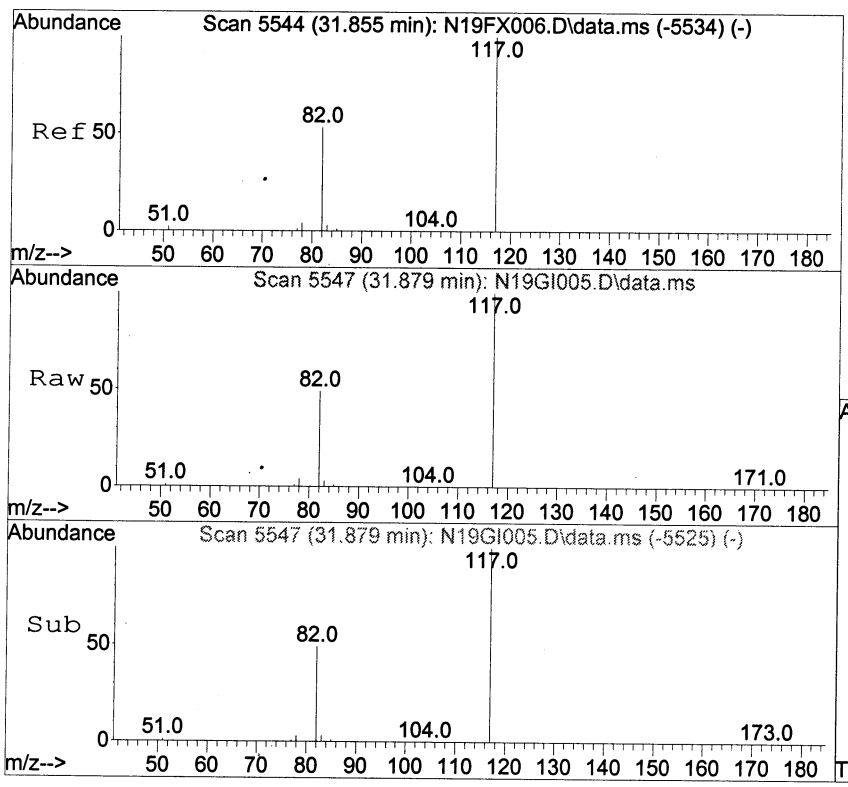


#3
IS-1,4-Difluorobenzene
Concen: 4.9900 ppbv
RT: 24.662 min Scan# 4561
Delta R.T. 0.018 min
Lab File: N19GI005.D
Acq: 9 Jul 2019 5:10 pm

Tgt Ion:114 Resp: 71206

Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	39.1

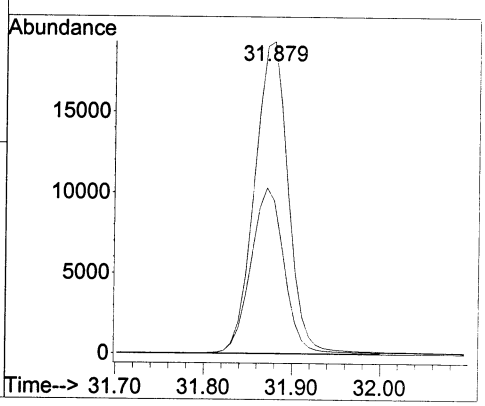




#4
IS-Chlorobenzene-d5
Concen: 4.7400 ppbv
RT: 31.879 min Scan# 5547
Delta R.T. 0.024 min
Lab File: N19GI005.D
Acq: 9 Jul 2019 5:10 pm

Tgt Ion:117 Resp: 51351

Ion	Ratio	Lower	Upper
117	100		
82	52.6	23.1	83.1
54	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

KSS
7/11/19

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI006.D
Acq On : 9 Jul 2019 6:14 pm (#1); 09-Jul-19, 18:08:20 (#2)
Operator : KSS
Sample : B9G0906-DUP1
Misc : LEVEE R1 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 14:17:33 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS-Hexane-d14	21.369	66	39870	4.7700	ppbv	0.01
3) IS-1,4-Difluorobenzene	24.662	114	69164	4.9900	ppbv	0.02
4) IS-Chlorobenzene-d5	31.871	117	49821	4.7400	ppbv	0.02

System Monitoring Compounds

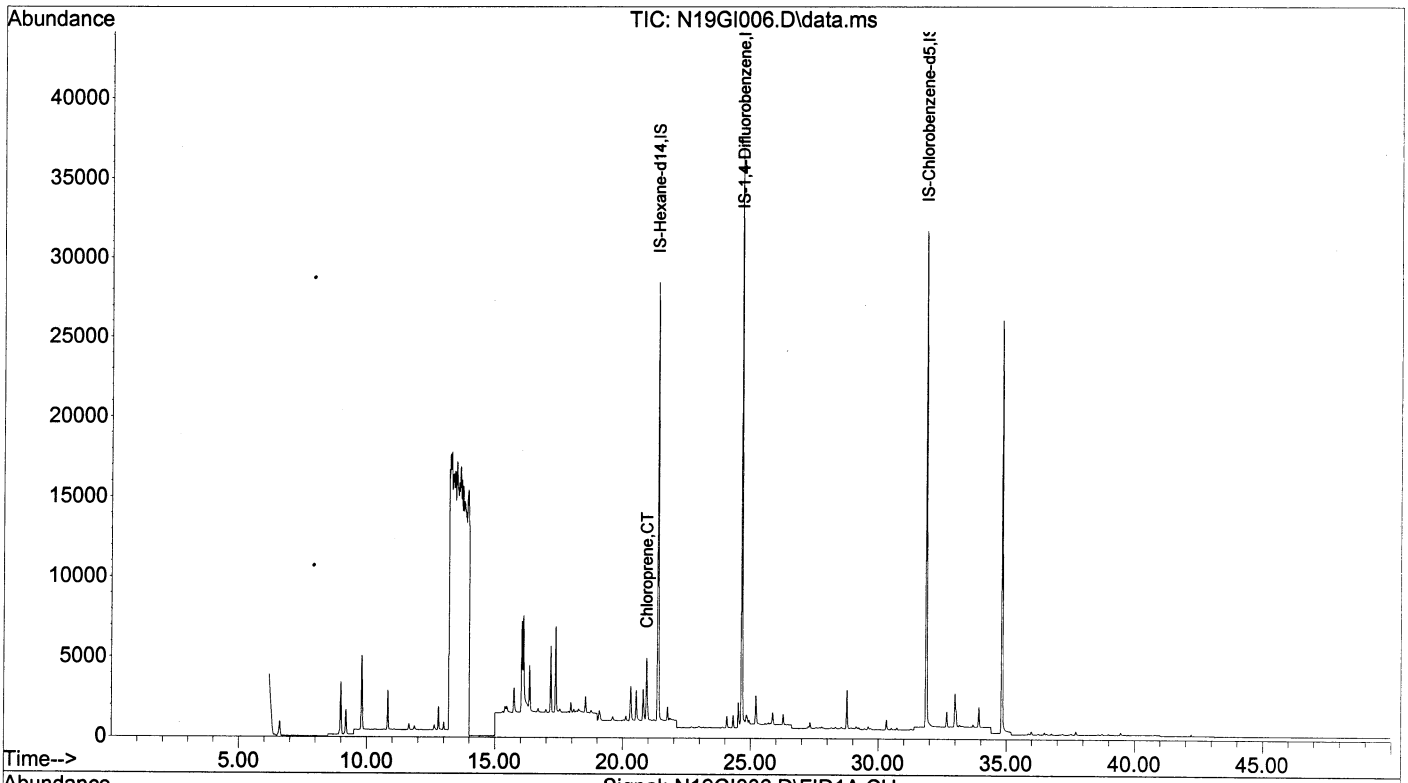
Target Compounds						Qvalue
2) Chloroprene	20.927	53	4703	1.1397	ppbv	100

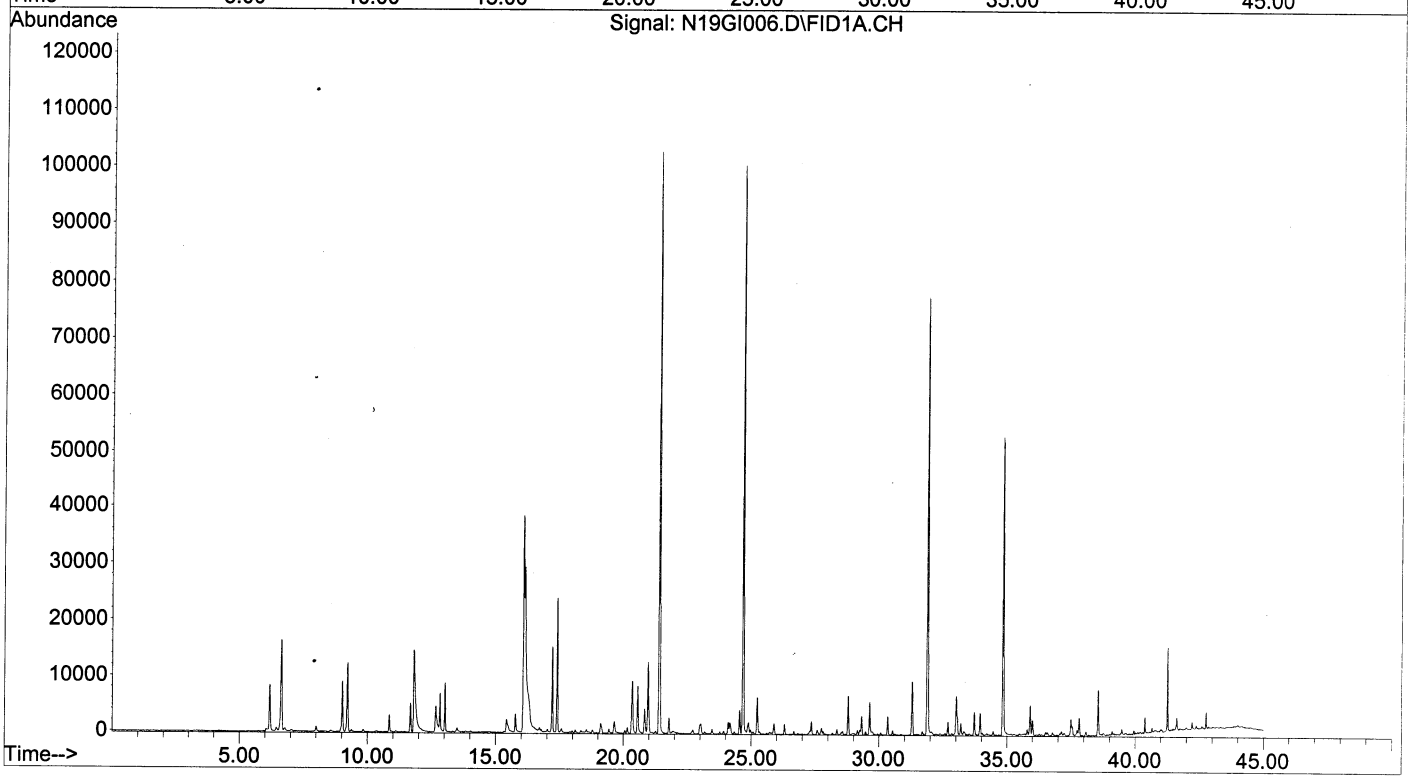
(#) = qualifier out of range (m) = manual integration (+) = signals summed

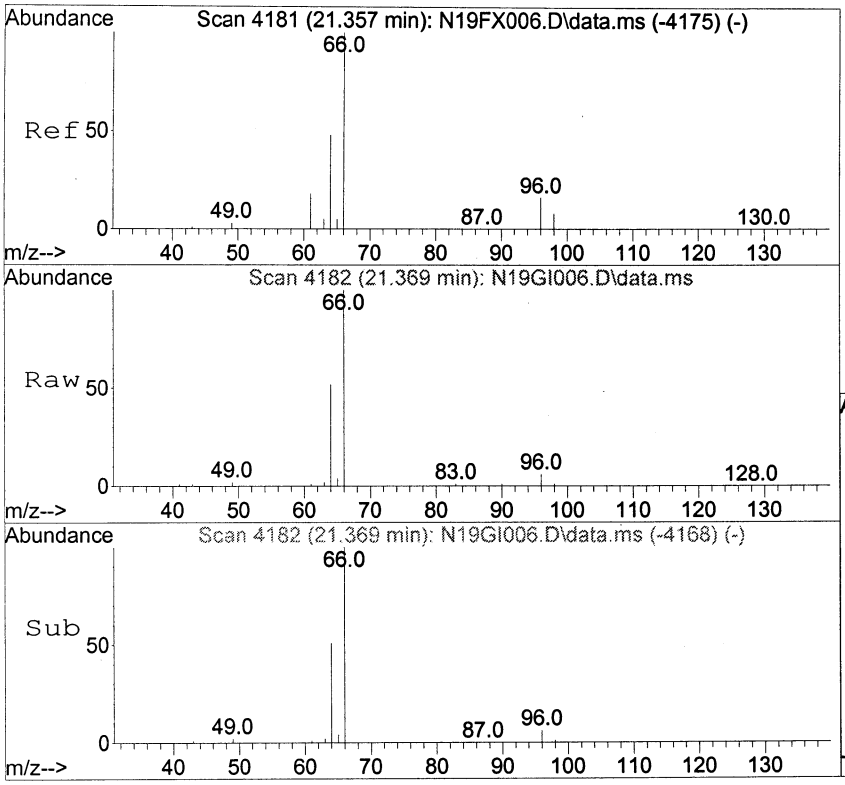
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI006.D
Acq On : 9 Jul 2019 6:14 pm (#1); 09-Jul-19, 18:08:20 (#2)
Operator : KSS
Sample : B9G0906-DUP1
Misc : LEVEE R1 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 10 14:17:33 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration



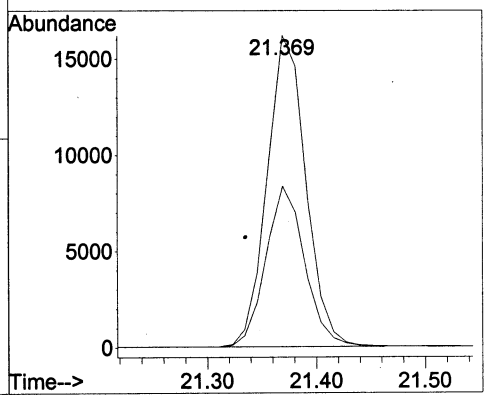


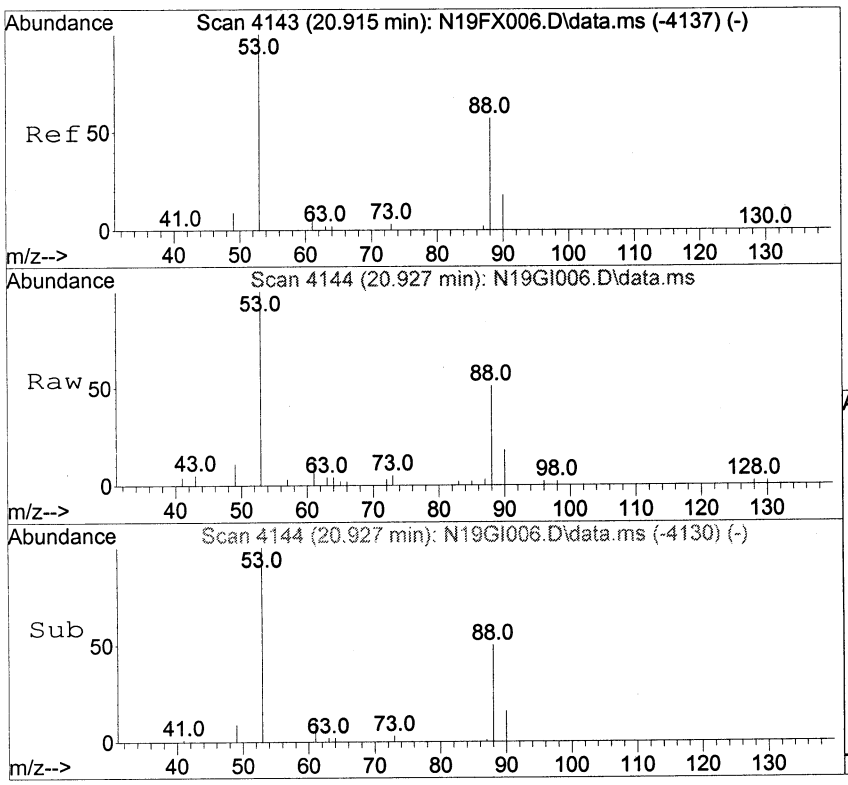


#1
IS-Hexane-d14
Concen: 4.7700 ppbv
RT: 21.369 min Scan# 4182
Delta R.T. 0.012 min
Lab File: N19GI006.D
Acq: 9 Jul 2019 6:14 pm

Tgt Ion: 66 Resp: 39870

Ion	Ratio	Lower	Upper
66	100		
64	51.7	35.3	65.5

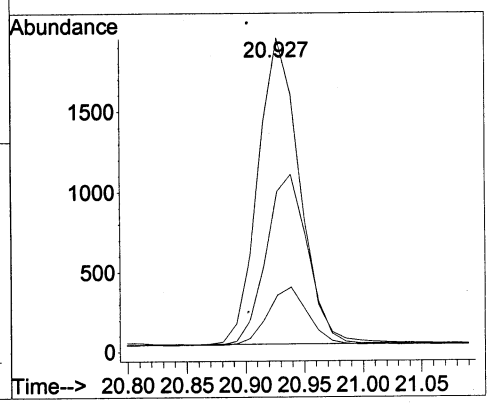


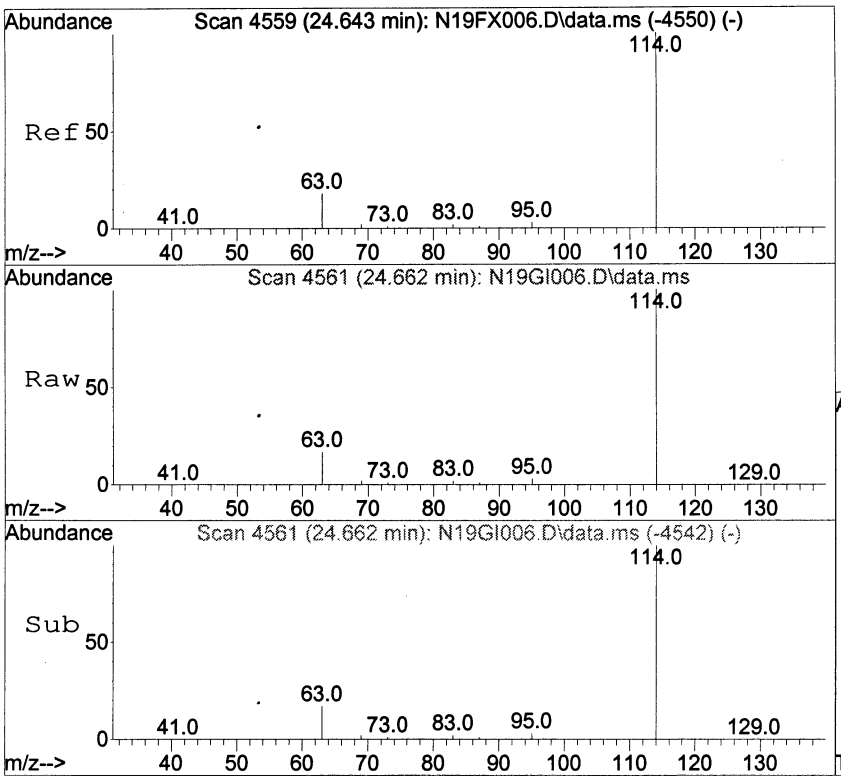


#2
Chloroprene
Concen: 1.140 ppbv
RT: 20.927 min Scan# 4144
Delta R.T. 0.012 min
Lab File: N19GI006.D
Acq: 9 Jul 2019 6:14 pm

Tgt Ion: 53 Resp: 4703

Ion	Ratio	Lower	Upper
53	100		
88	56.4	45.1	67.7
90	18.3	14.5	21.7

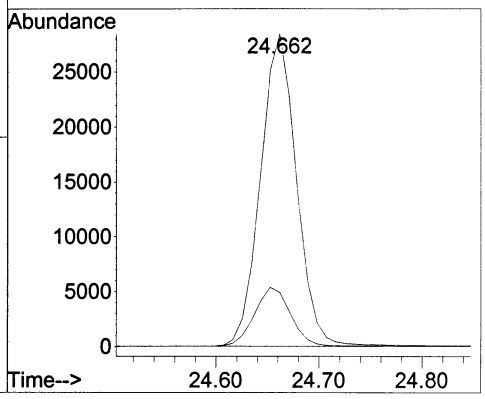


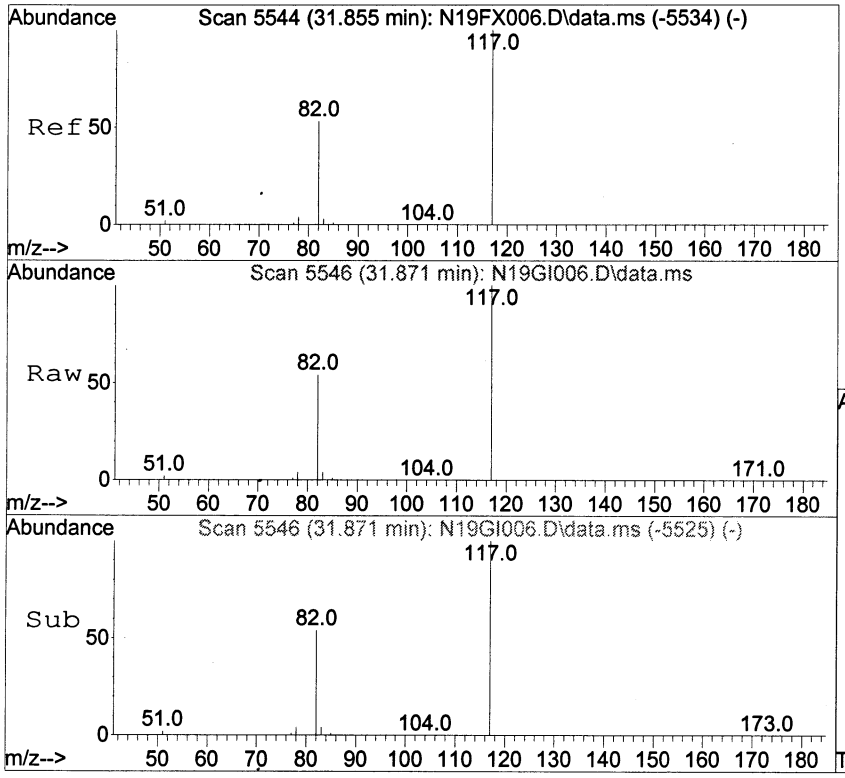


#3
IS-1,4-Difluorobenzene
Concen: 4.9900 ppbv
RT: 24.662 min Scan# 4561
Delta R.T. 0.018 min
Lab File: N19GI006.D
Acq: 9 Jul 2019 6:14 pm

Tgt Ion:114 Resp: 69164

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.1

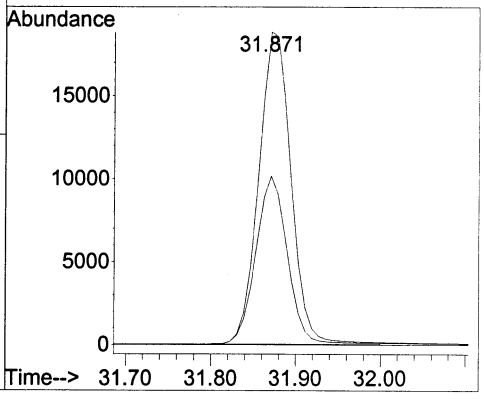




#4
IS-Chlorobenzene-d5
Concen: 4.7400 ppbv
RT: 31.871 min Scan# 5546
Delta R.T. 0.016 min
Lab File: N19GI006.D
Acq: 9 Jul 2019 6:14 pm

Tgt Ion:117 Resp: 49821

Ion	Ratio	Lower	Upper
117	100		
82	52.6	23.1	83.1
54	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

KSS 7/11/19

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI007.D
Acq On : 9 Jul 2019 7:17 pm (#1); 09-Jul-19, 19:11:35 (#2)
Operator : KSS
Sample : 9070228-02
Misc : LEVEE C2 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 14:17:36 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS-Hexane-d14	21.369	66	39546	4.7700	ppbv	0.01
3) IS-1,4-Difluorobenzene	24.662	114	68051	4.9900	ppbv	0.02
4) IS-Chlorobenzene-d5	31.871	117	49966	4.7400	ppbv	0.02

System Monitoring Compounds

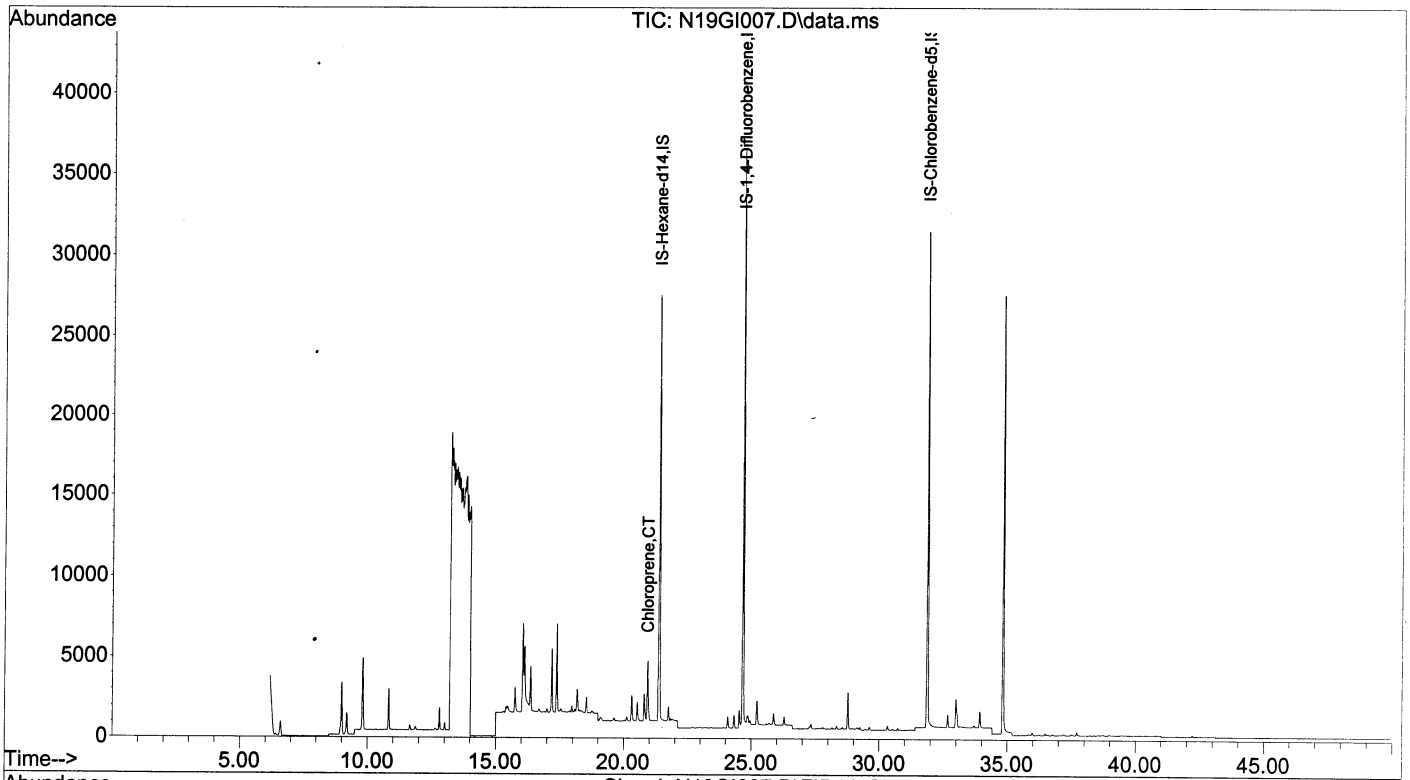
Target Compounds						Qvalue
2) Chloroprene	20.927	53	4515	1.1031	ppbv	99

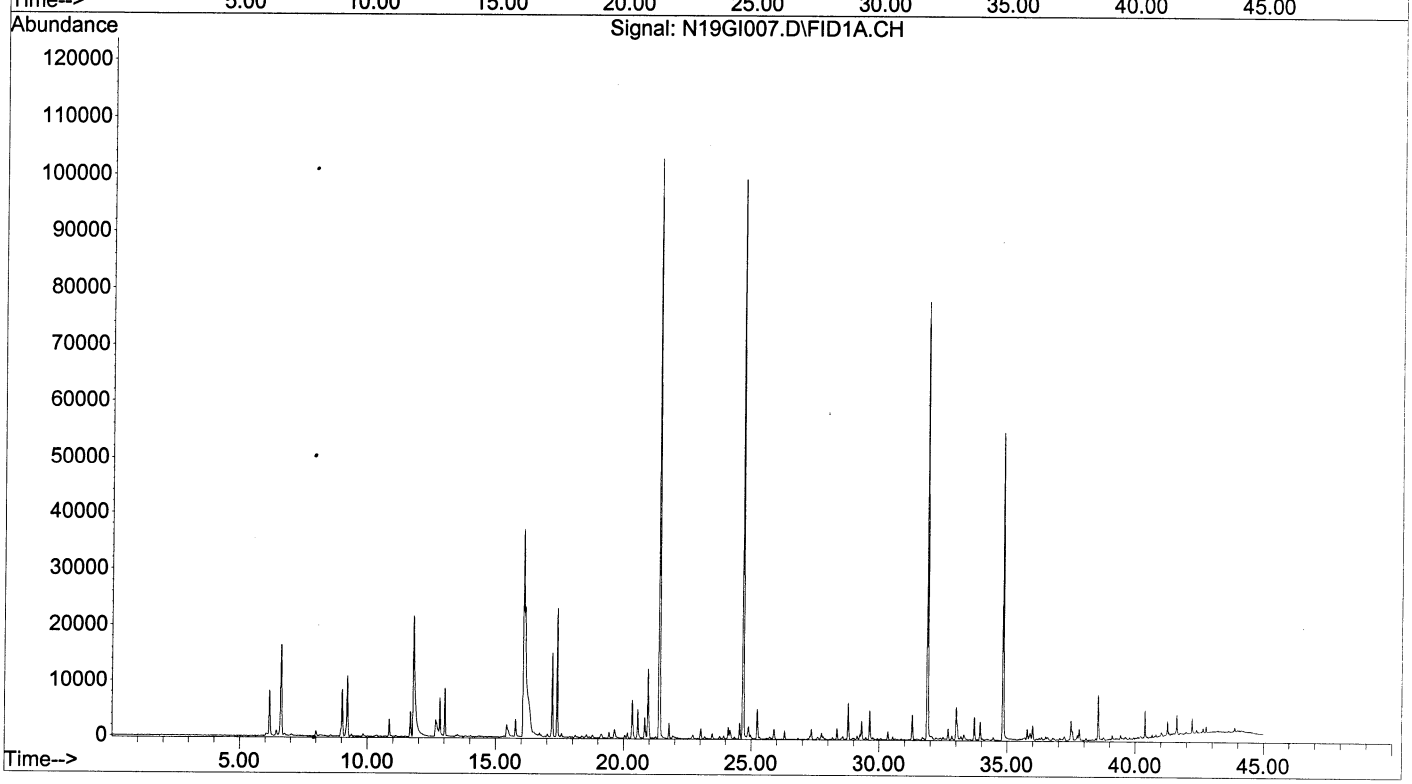
(#) = qualifier out of range (m) = manual integration (+) = signals summed

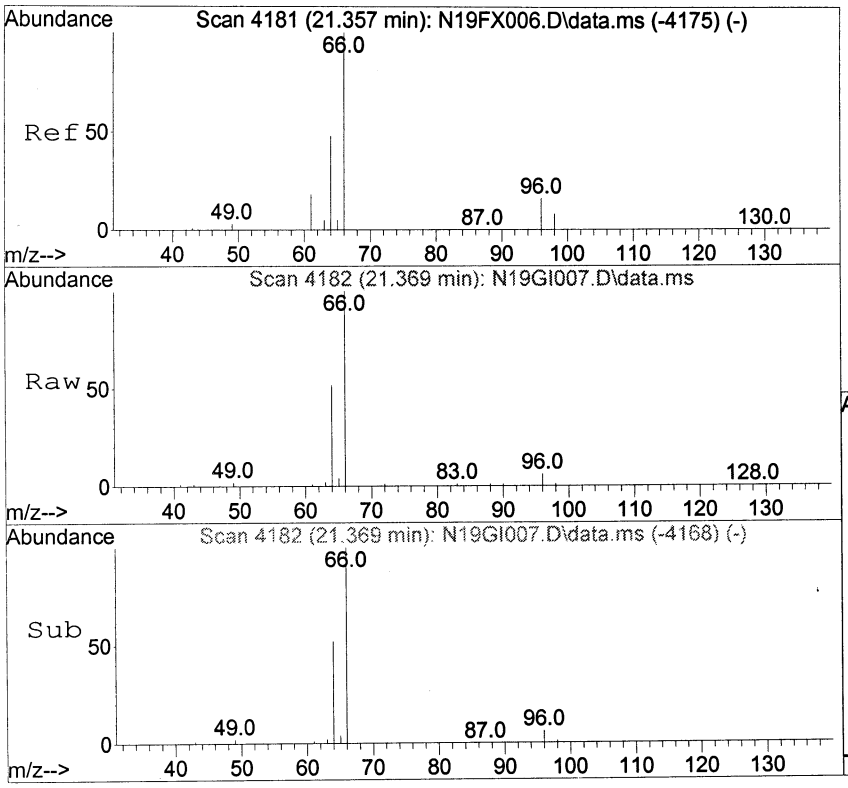
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI007.D
Acq On : 9 Jul 2019 7:17 pm (#1); 09-Jul-19, 19:11:35 (#2)
Operator : KSS
Sample : 9070228-02
Misc : LEVEE C2 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 10 14:17:36 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration



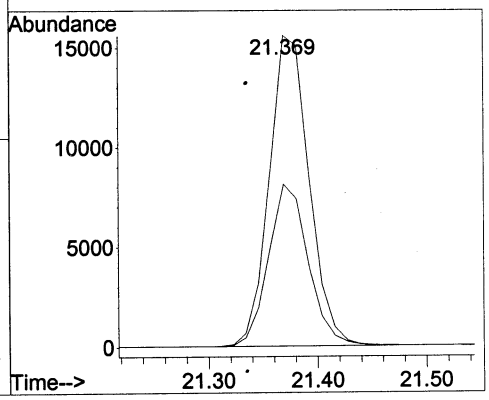


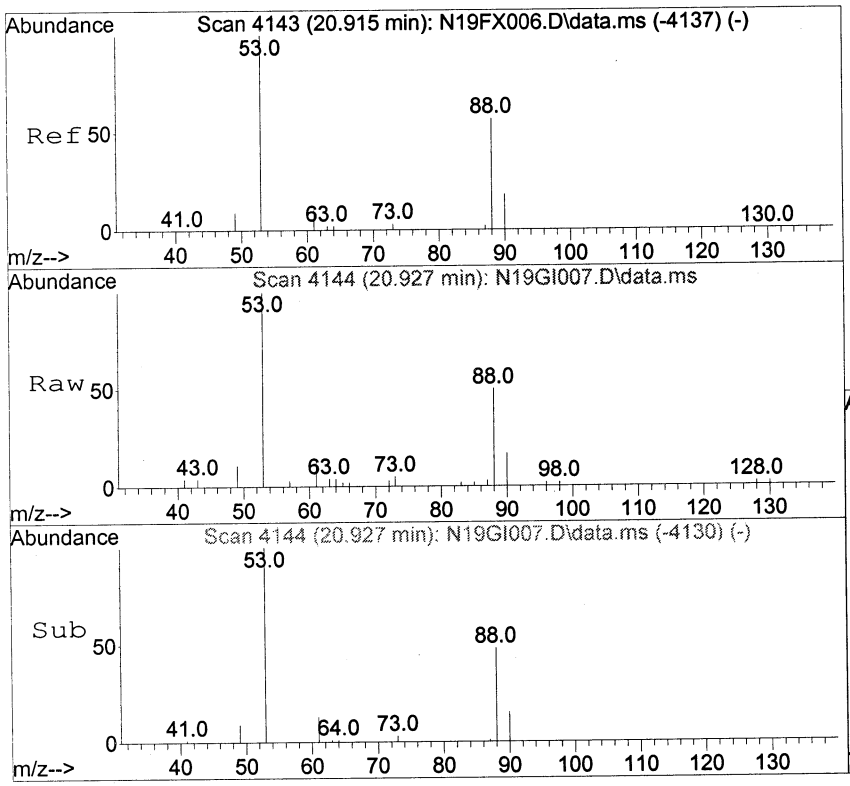


#1
IS-Hexane-d14
Concen: 4.7700 ppbv
RT: 21.369 min Scan# 4182
Delta R.T. 0.012 min
Lab File: N19GI007.D
Acq: 9 Jul 2019 7:17 pm

Tgt Ion: 66 Resp: 39546

Ion	Ratio	Lower	Upper
66	100		
64	51.9	35.3	65.5

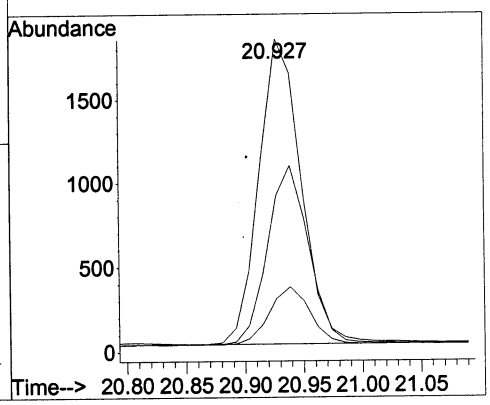


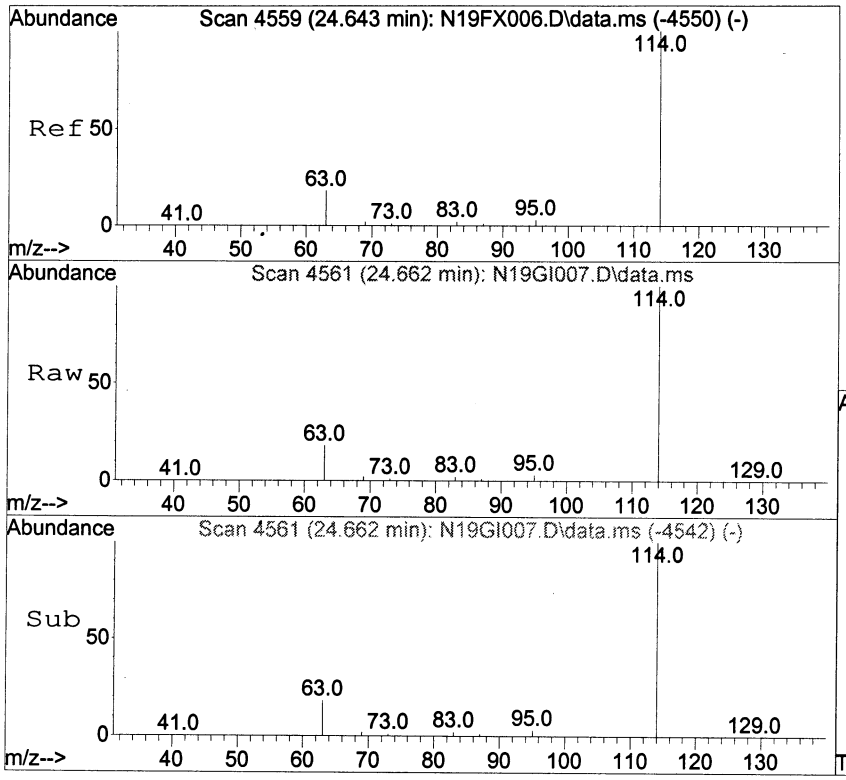


#2
Chloroprene
Concen: 1.103 ppbv
RT: 20.927 min Scan# 4144
Delta R.T. 0.012 min
Lab File: N19GI007.D
Acq: 9 Jul 2019 7:17 pm

Tgt Ion: 53 Resp: 4515

Ion	Ratio	Lower	Upper
53	100		
88	57.0	45.1	67.7
90	17.9	14.5	21.7

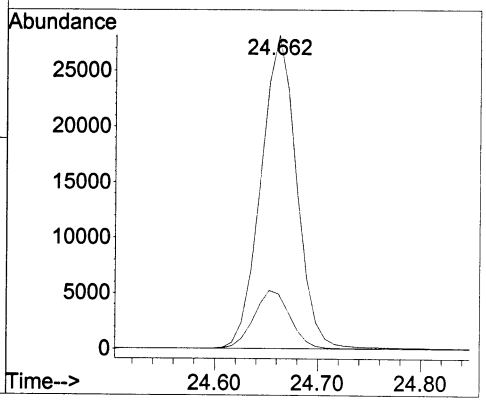


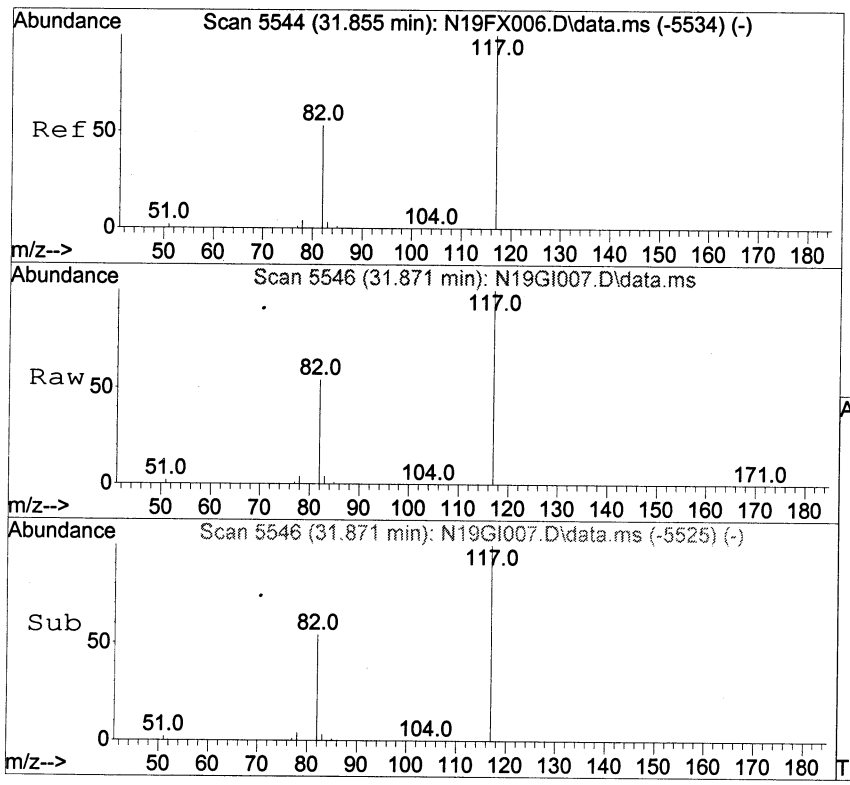


#3
IS-1,4-Difluorobenzene
Concen: 4.9900 ppbv
RT: 24.662 min Scan# 4561
Delta R.T. 0.018 min
Lab File: N19GI007.D
Acq: 9 Jul 2019 7:17 pm

Tgt Ion:114 Resp: 68051

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.1

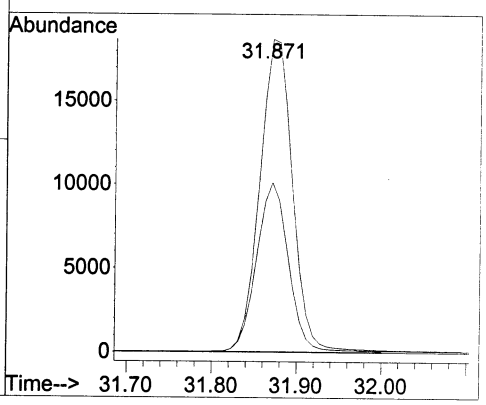




#4
IS-Chlorobenzene-d5
Concen: 4.7400 ppbv
RT: 31.871 min Scan# 5546
Delta R.T. 0.016 min
Lab File: N19GI007.D
Acq: 9 Jul 2019 7:17 pm

Tgt Ion:117 Resp: 49966

Ion	Ratio	Lower	Upper
117	100		
82	52.7	23.1	83.1
54	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

KSS
7/11/19

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI008.D
Acq On : 9 Jul 2019 8:21 pm (#1); 09-Jul-19, 20:15:00 (#2)
Operator : KSS
Sample : B9G0906-DUP2
Misc : LEVEE R2 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 10 14:17:38 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	21.380	66	40017	4.7700 ppbv	0.02
3) IS-1,4-Difluorobenzene	24.661	114	68384	4.9900 ppbv	0.02
4) IS-Chlorobenzene-d5	31.878	117	51457	4.7400 ppbv	0.02

System Monitoring Compounds

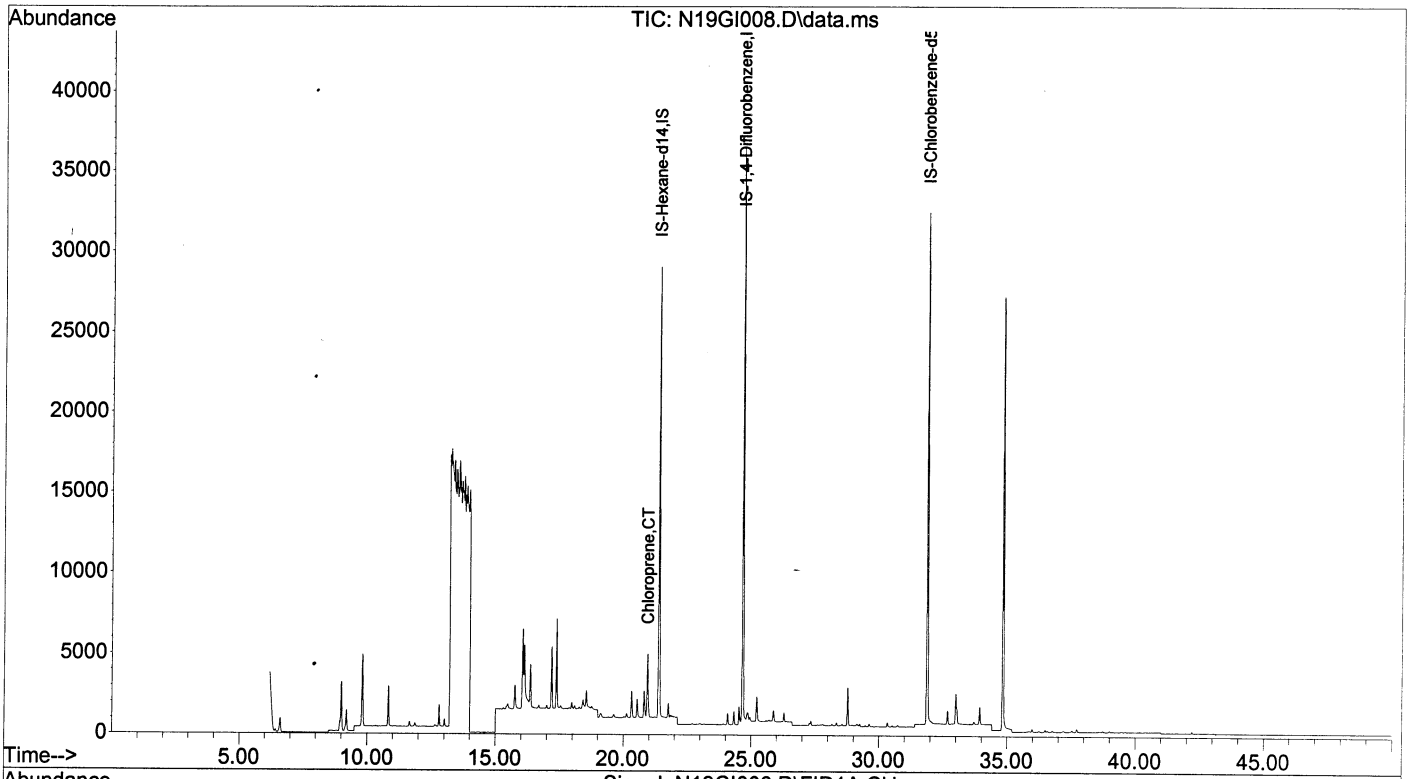
Target Compounds					Qvalue
2) Chloroprene	20.938	53	4652	1.1232 ppbv	99

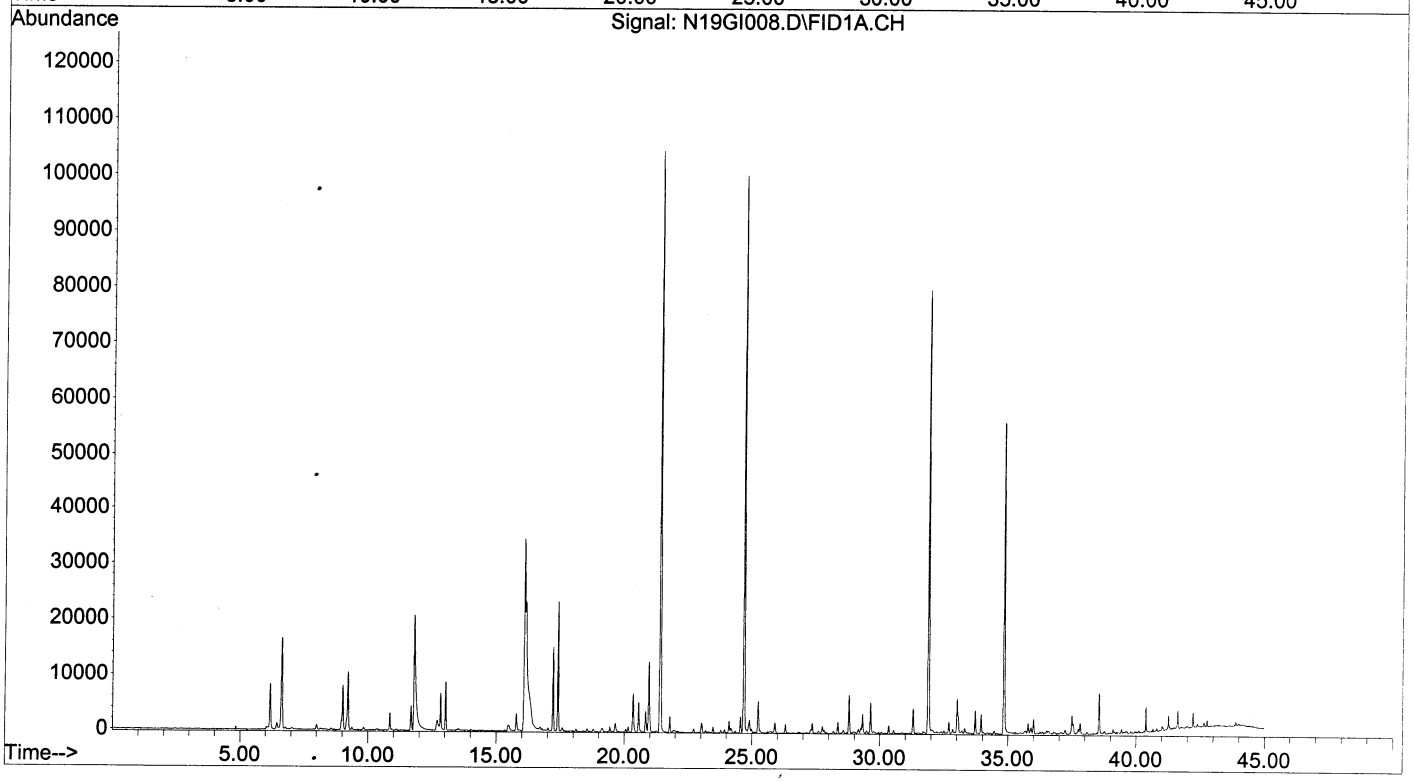
(#) = qualifier out of range (m) = manual integration (+) = signals summed

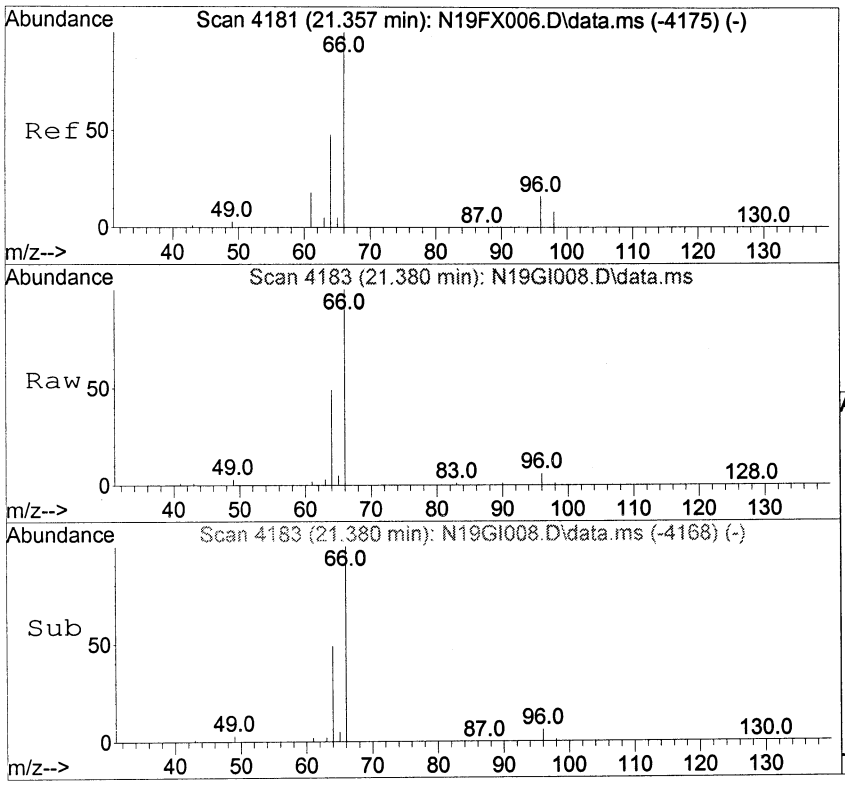
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI008.D
Acq On : 9 Jul 2019 8:21 pm (#1); 09-Jul-19, 20:15:00 (#2)
Operator : KSS
Sample : B9G0906-DUP2
Misc : LEVEE R2 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 10 14:17:38 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration



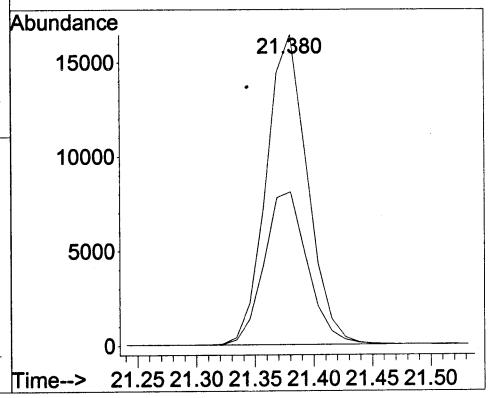


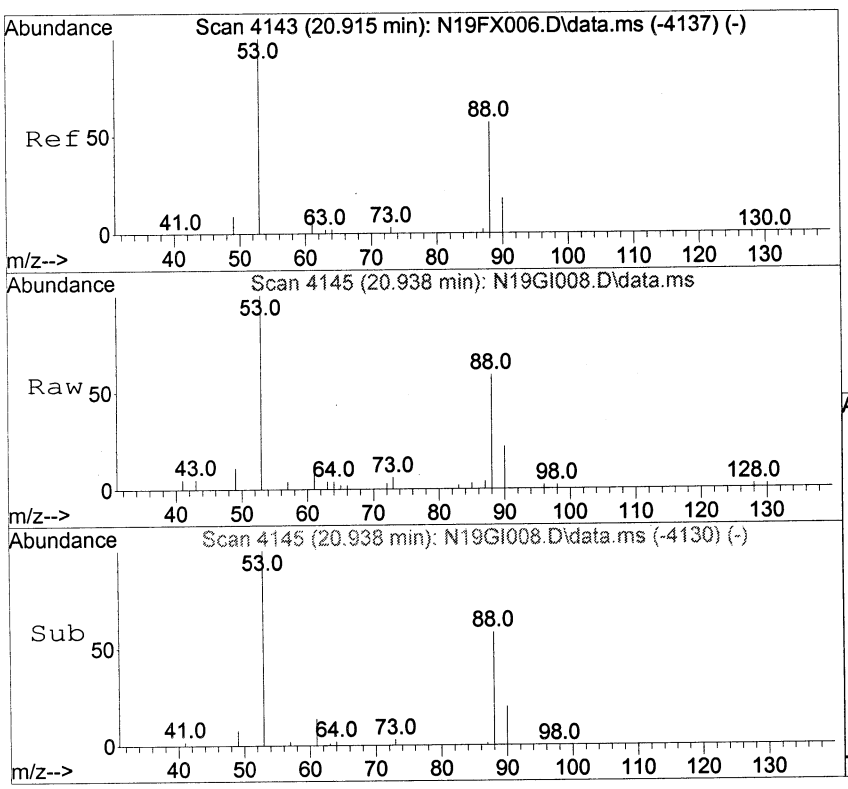


#1
IS-Hexane-d14
Concen: 4.7700 ppbv
RT: 21.380 min Scan# 4183
Delta R.T. 0.023 min
Lab File: N19GI008.D
Acq: 9 Jul 2019 8:21 pm

Tgt Ion: 66 Resp: 40017

Ion	Ratio	Lower	Upper
66	100		
64	51.9	35.3	65.5

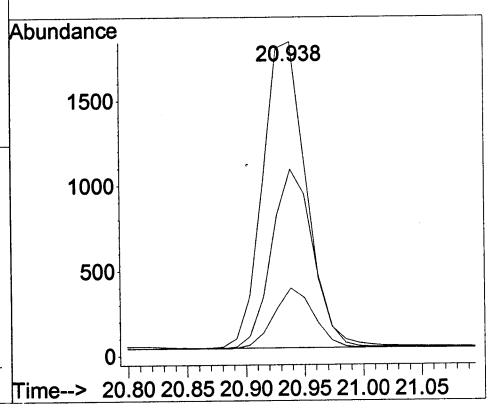


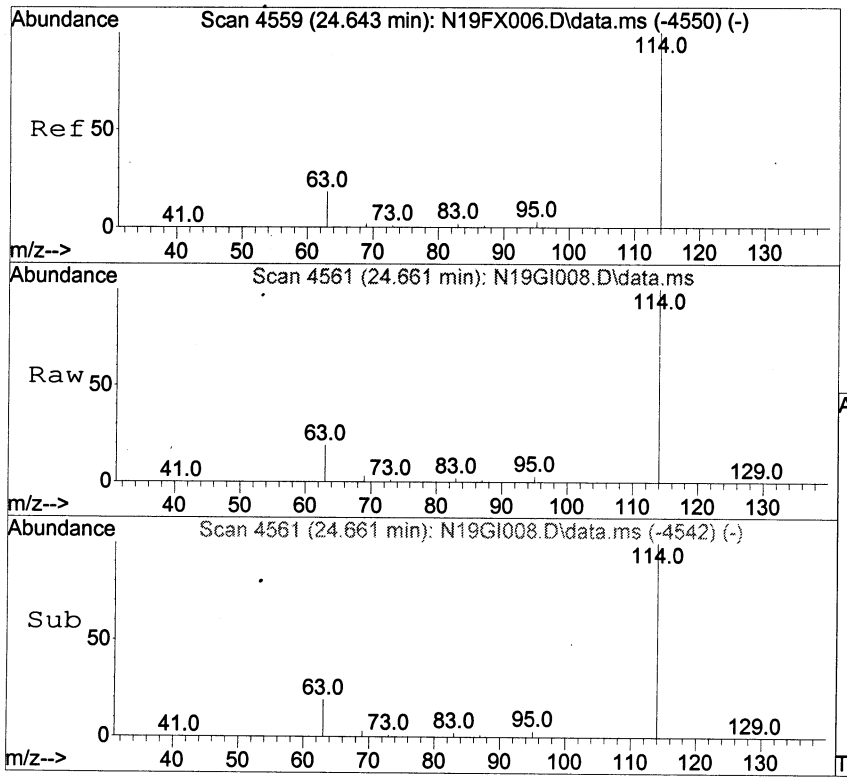


#2
Chloroprene
Concen: 1.123 ppbv
RT: 20.938 min Scan# 4145
Delta R.T. 0.023 min
Lab File: N19GI008.D
Acq: 9 Jul 2019 8:21 pm

Tgt Ion: 53 Resp: 4652

Ion	Ratio	Lower	Upper
53	100		
88	55.9	45.1	67.7
90	18.1	14.5	21.7

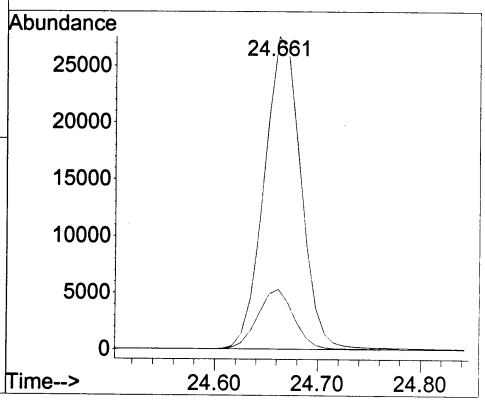


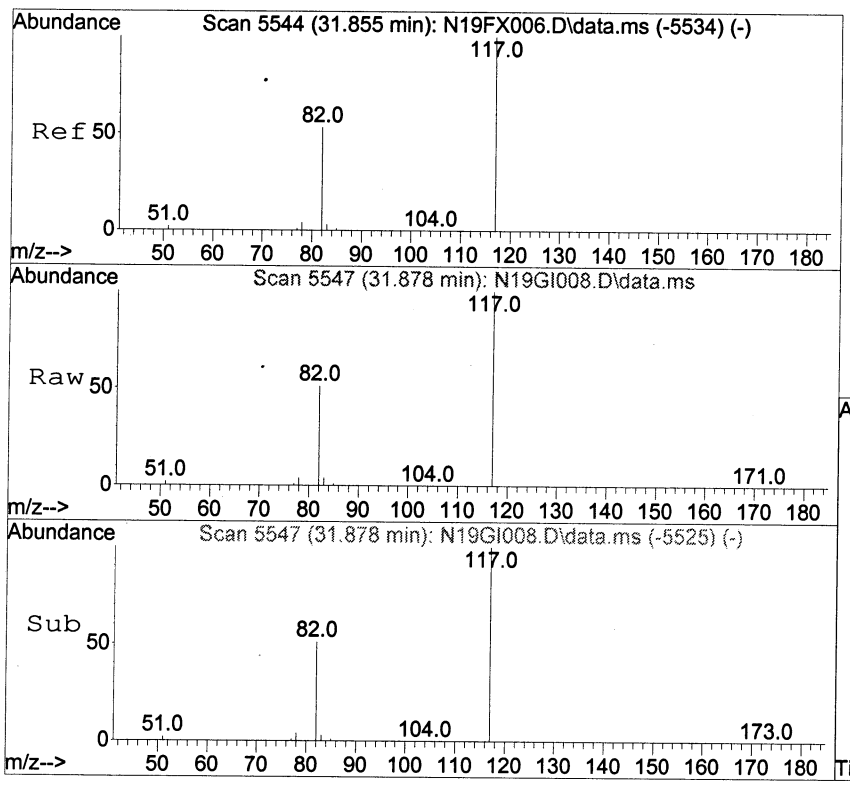


#3
IS-1,4-Difluorobenzene
Concen: 4.9900 ppbv
RT: 24.661 min Scan# 4561
Delta R.T. 0.018 min
Lab File: N19GI008.D
Acq: 9 Jul 2019 8:21 pm

Tgt Ion:114 Resp: 68384

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.1

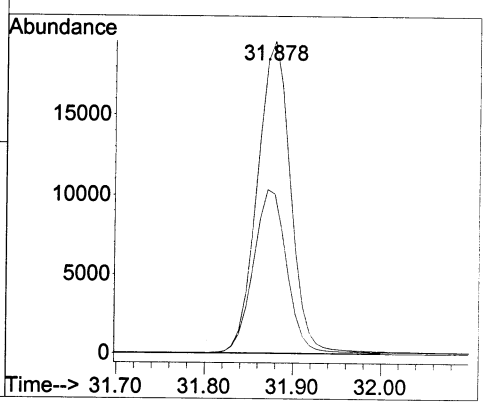




#4
IS-Chlorobenzene-d5
Concen: 4.7400 ppbv
RT: 31.878 min Scan# 5547
Delta R.T. 0.024 min
Lab File: N19GI008.D
Acq: 9 Jul 2019 8:21 pm

Tgt Ion:117 Resp: 51457

Ion	Ratio	Lower	Upper
117	100		
82	53.1	23.1	83.1
54	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

KSS 7/11/19

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI009.D
Acq On : 9 Jul 2019 9:24 pm (#1); 09-Jul-19, 21:18:30 (#2)
Operator : KSS
Sample : 9070228-03
Misc : E. ST. JOHN 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 10 14:17:41 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	21.380	66	39460	4.7700 ppbv	0.02
3) IS-1,4-Difluorobenzene	24.661	114	69570	4.9900 ppbv	0.02
4) IS-Chlorobenzene-d5	31.878	117	53652	4.7400 ppbv	0.02

System Monitoring Compounds

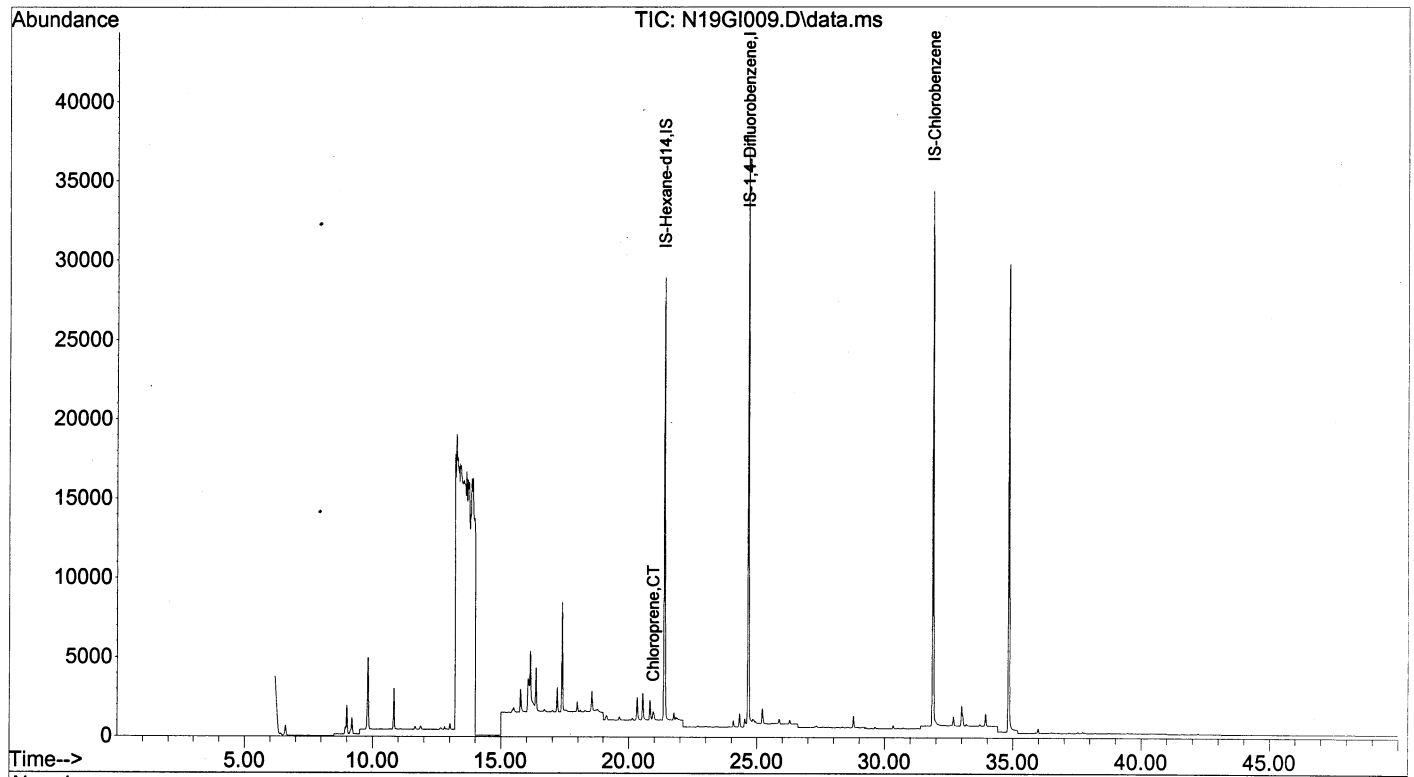
Target Compounds					Qvalue
2) Chloroprene	20.938	53	610	0.1494 ppbv	98

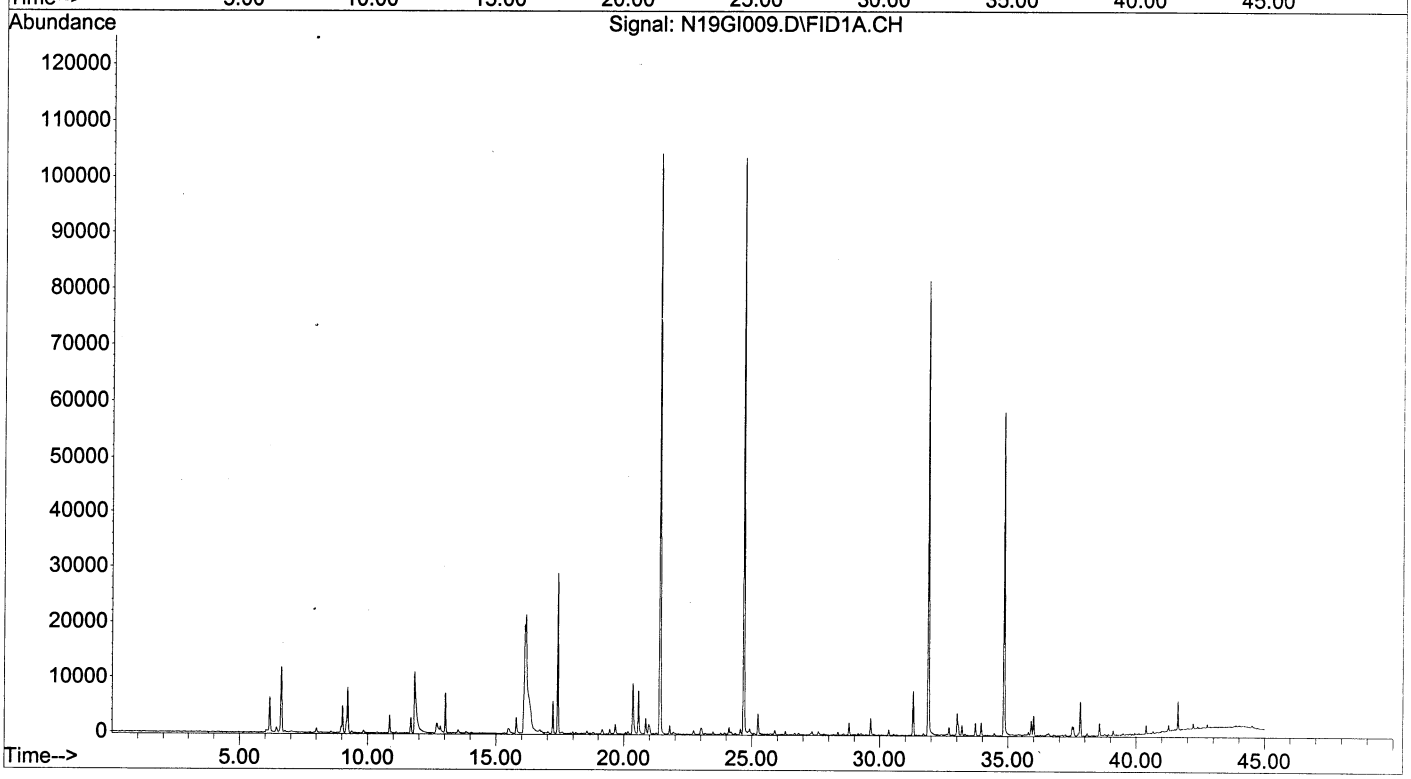
(#) = qualifier out of range (m) = manual integration (+) = signals summed

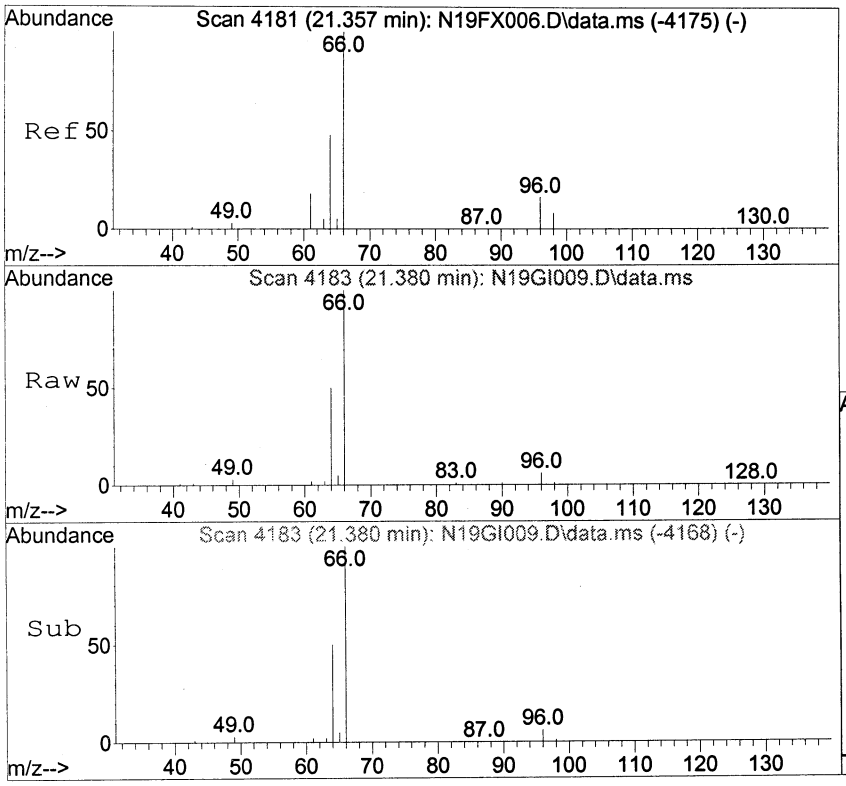
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI009.D
Acq On : 9 Jul 2019 9:24 pm (#1); 09-Jul-19, 21:18:30 (#2)
Operator : KSS
Sample : 9070228-03
Misc : E. ST. JOHN 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 10 14:17:41 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration



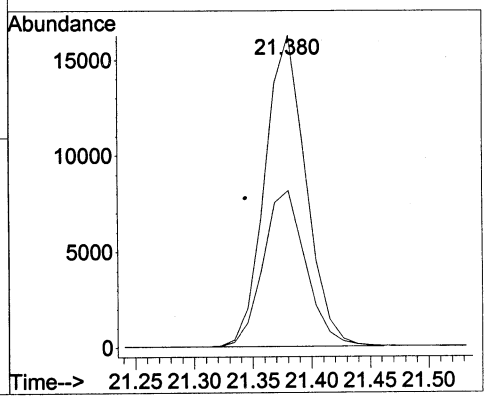


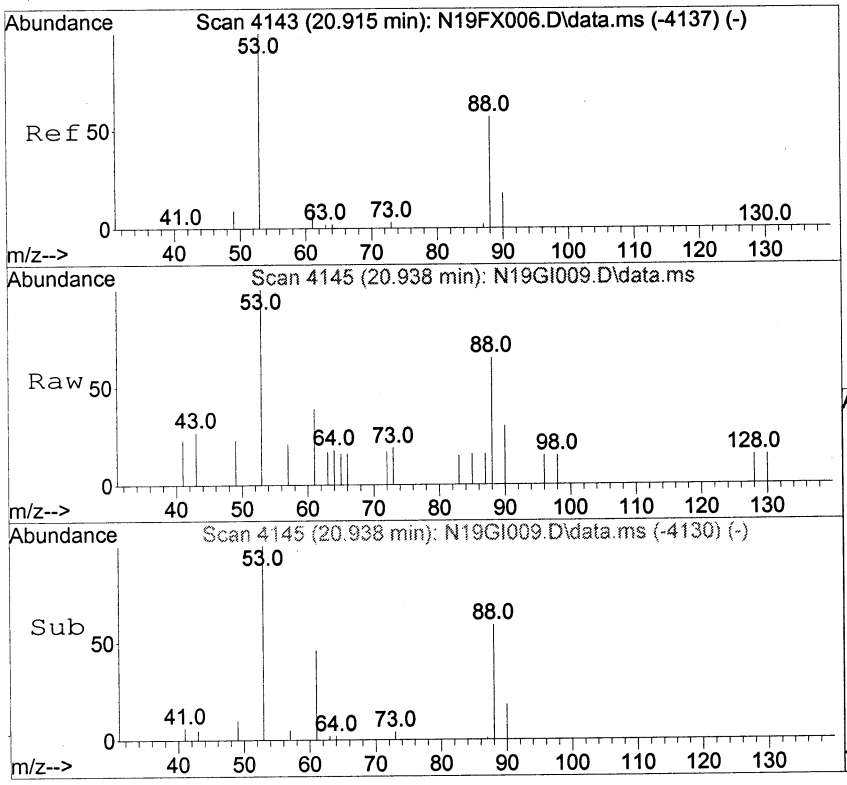


#1
IS-Hexane-d14
Concen: 4.7700 ppbv
RT: 21.380 min Scan# 4183
Delta R.T. 0.023 min
Lab File: N19GI009.D
Acq: 9 Jul 2019 9:24 pm

Tgt Ion: 66 Resp: 39460

Ion	Ratio	Lower	Upper
66	100		
64	52.3	35.3	65.5

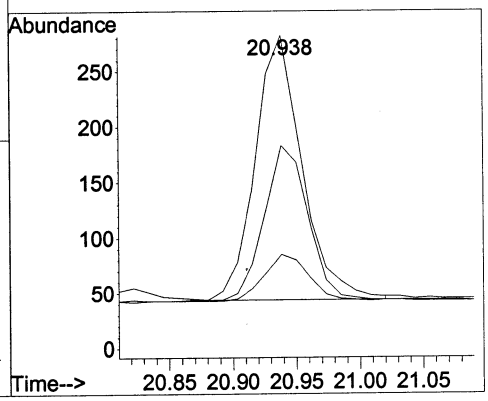


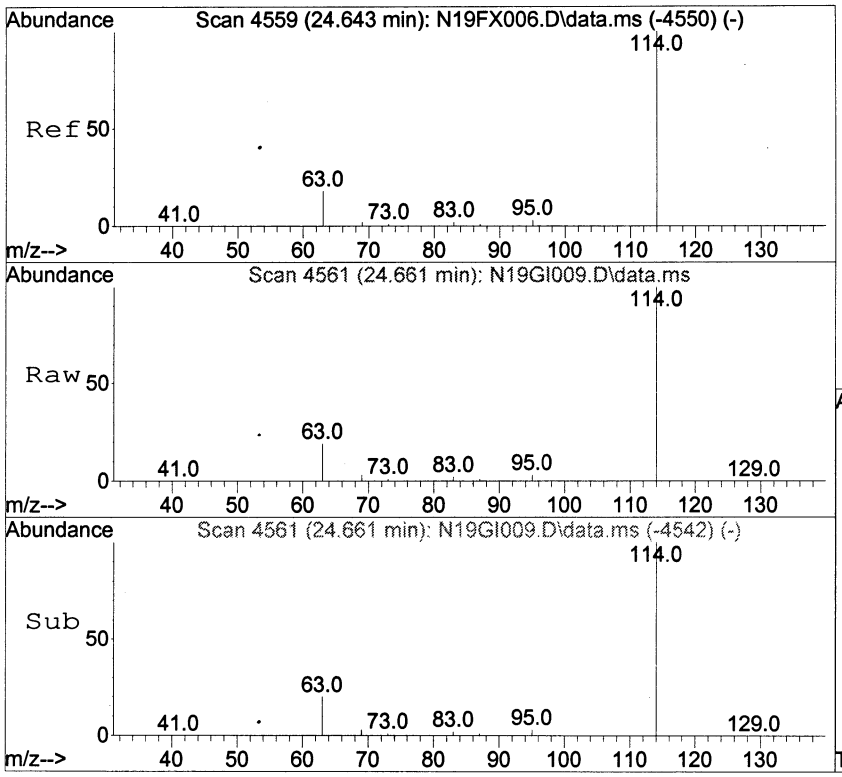


#2
Chloroprene
Concen: 0.149 ppbv
RT: 20.938 min Scan# 4145
Delta R.T. 0.023 min
Lab File: N19GI009.D
Acq: 9 Jul 2019 9:24 pm

Tgt Ion: 53 Resp: 610

Ion	Ratio	Lower	Upper
53	100		
88	55.4	45.1	67.7
90	16.9	14.5	21.7

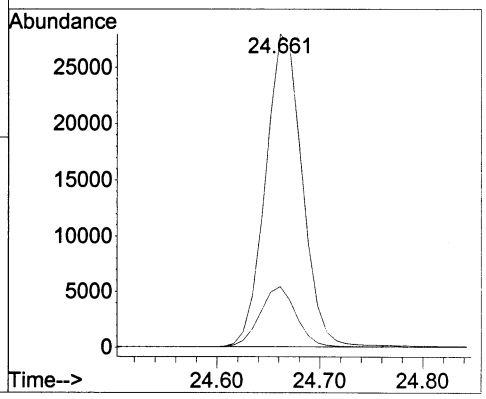


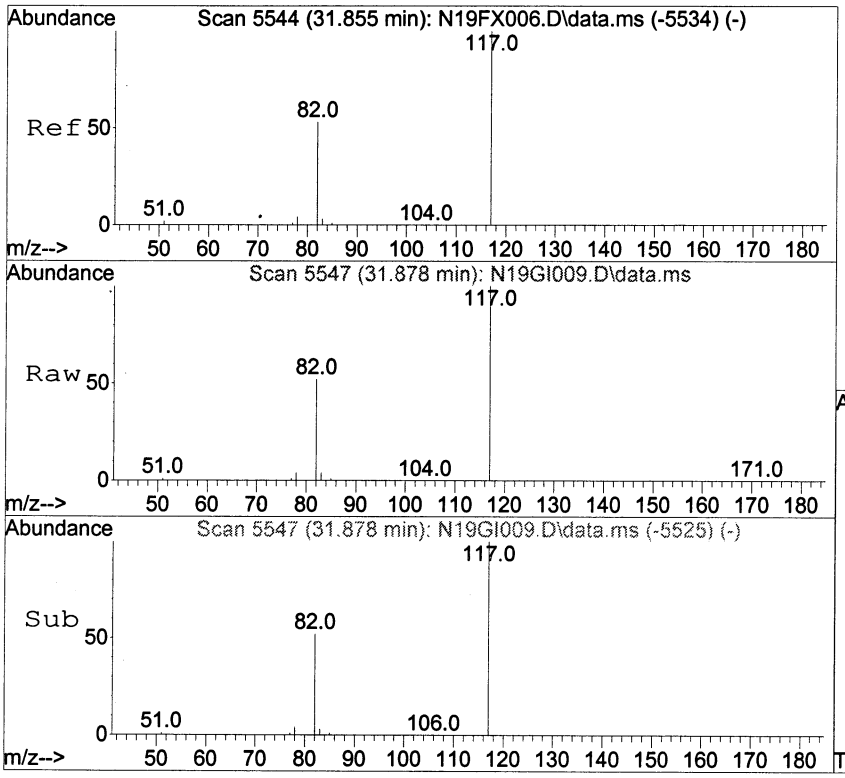


#3
IS-1,4-Difluorobenzene
Concen: 4.9900 ppbv
RT: 24.661 min Scan# 4561
Delta R.T. 0.018 min
Lab File: N19GI009.D
Acq: 9 Jul 2019 9:24 pm

Tgt Ion:114 Resp: 69570

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.1

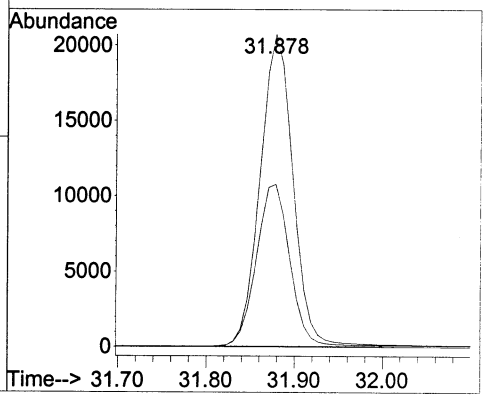




#4
IS-Chlorobenzene-d5
Concen: 4.7400 ppbv
RT: 31.878 min Scan# 5547
Delta R.T. 0.024 min
Lab File: N19GI009.D
Acq: 9 Jul 2019 9:24 pm

Tgt Ion:117 Resp: 53652

Ion	Ratio	Lower	Upper
117	100		
82	53.0	23.1	83.1
54	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

KSS
7/11/19

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI010.D
Acq On : 9 Jul 2019 10:27 pm (#1); 09-Jul-19, 22:21:46 (#2)
Operator : KSS
Sample : 9070228-04
Misc : 238 CHAD 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 10 14:17:44 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS-Hexane-d14	21.369	66	39379	4.7700	ppbv	0.01
3) IS-1,4-Difluorobenzene	24.662	114	68895	4.9900	ppbv	0.02
4) IS-Chlorobenzene-d5	31.875	117	53257	4.7400	ppbv	0.02

System Monitoring Compounds

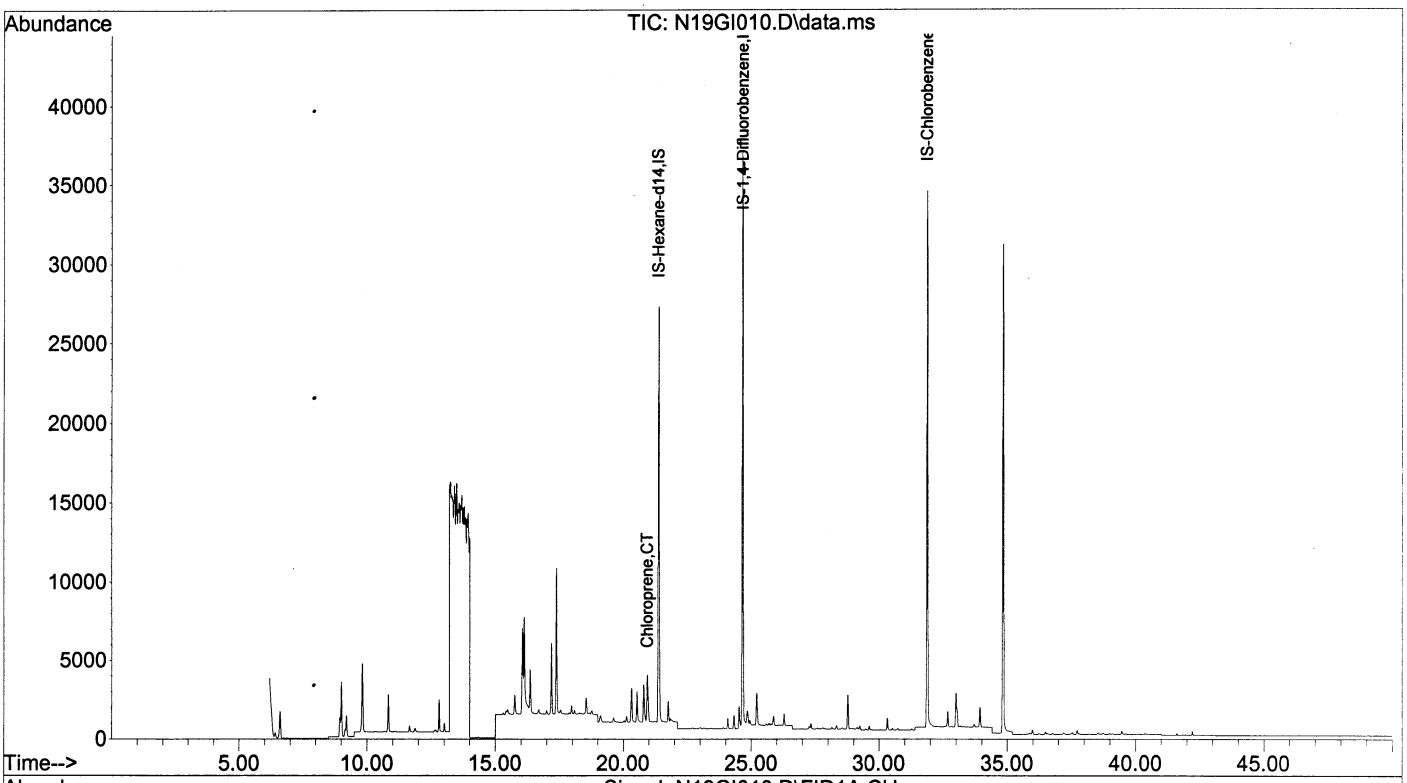
Target Compounds						Qvalue
2) Chloroprene	20.927	53	3590	0.8808	ppbv	98

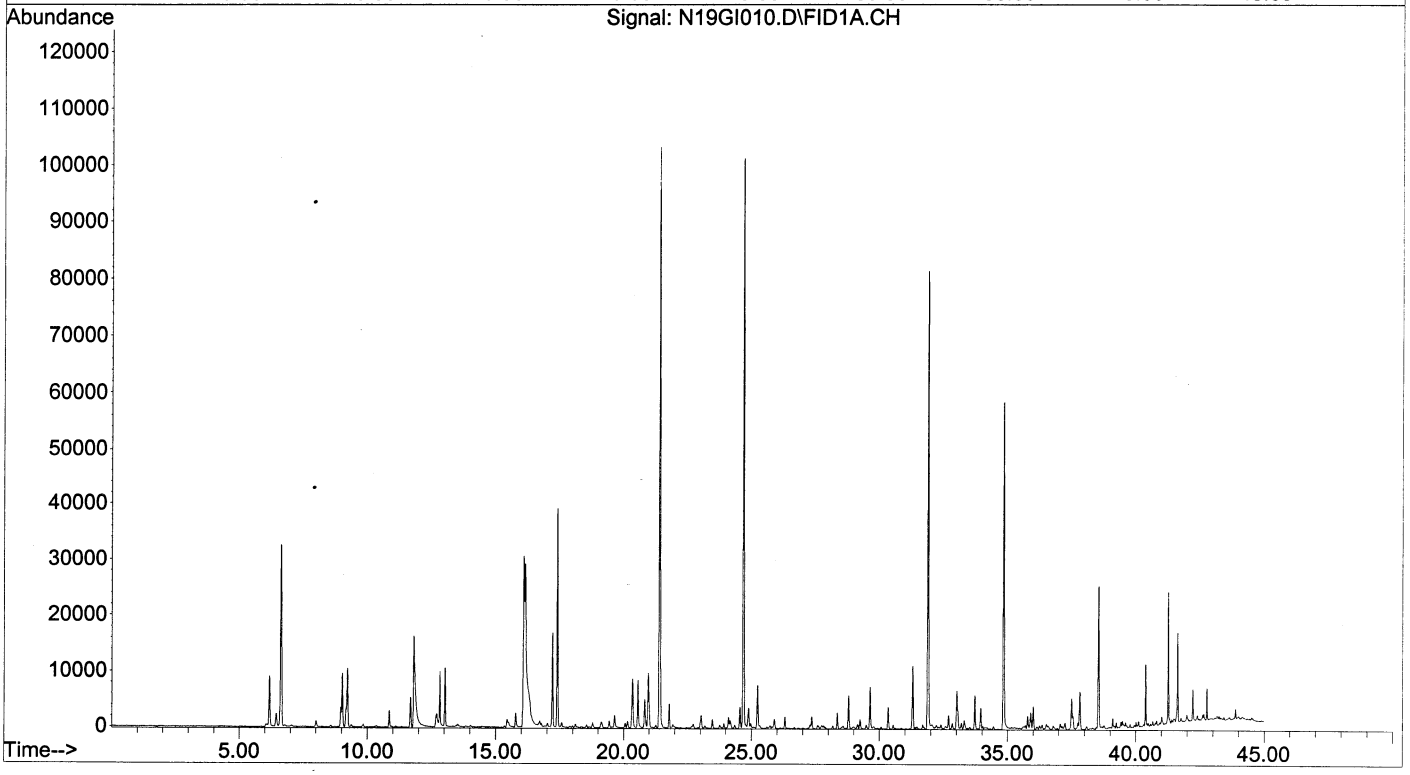
(#) = qualifier out of range (m) = manual integration (+) = signals summed

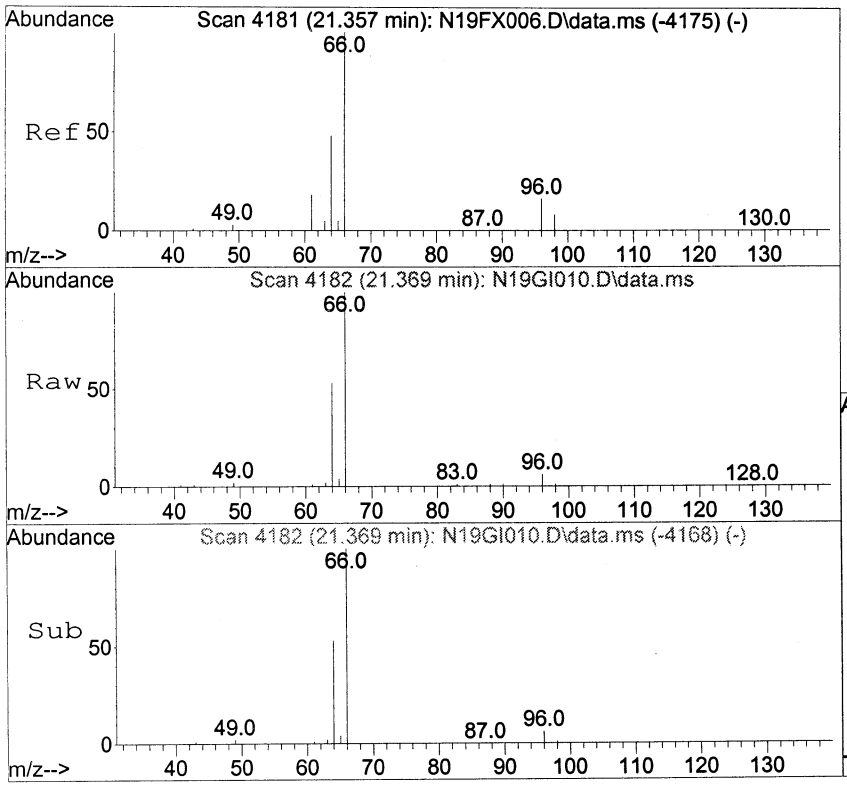
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI010.D
Acq On : 9 Jul 2019 10:27 pm (#1); 09-Jul-19, 22:21:46 (#2)
Operator : KSS
Sample : 9070228-04
Misc : 238 CHAD 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 10 14:17:44 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration



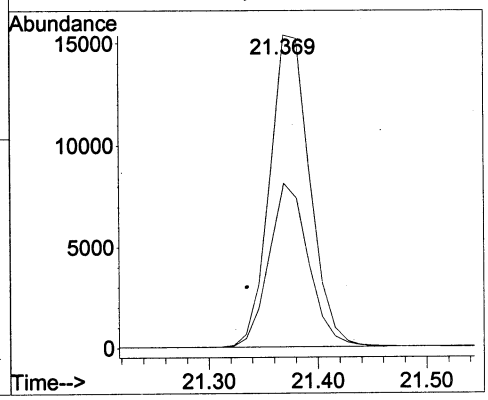


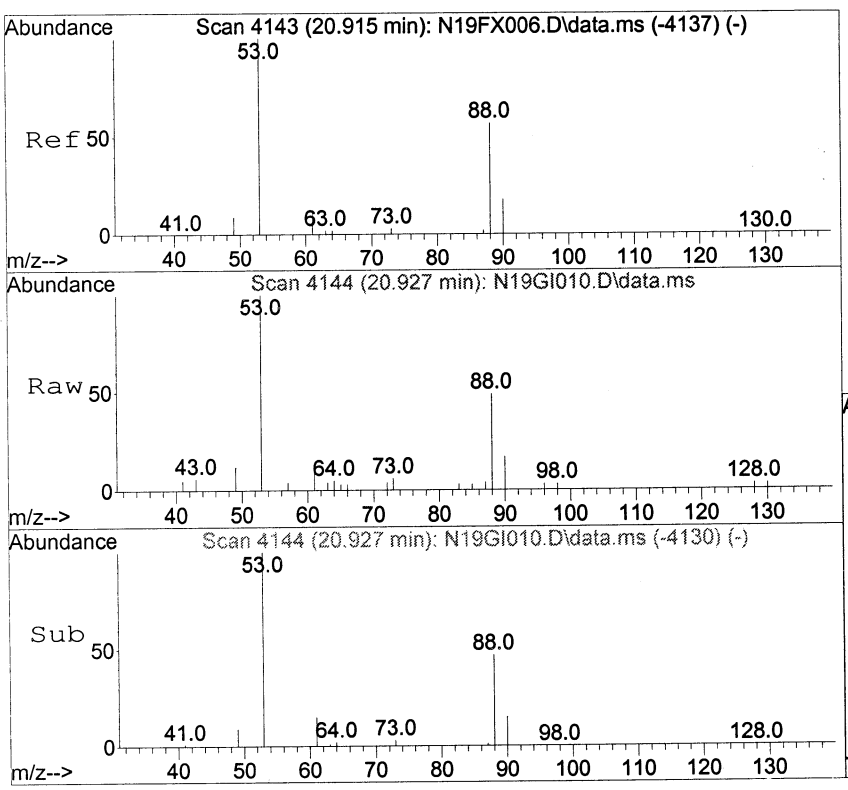


#1
IS-Hexane-d14
Concen: 4.7700 ppbv
RT: 21.369 min Scan# 4182
Delta R.T. 0.012 min
Lab File: N19GI010.D
Acq: 9 Jul 2019 10:27 pm

Tgt Ion: 66 Resp: 39379

Ion	Ratio	Lower	Upper
66	100		
64	52.0	35.3	65.5

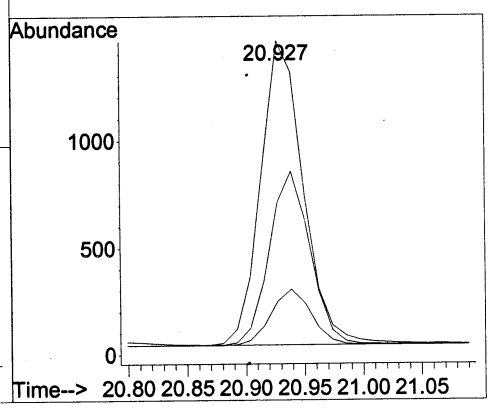


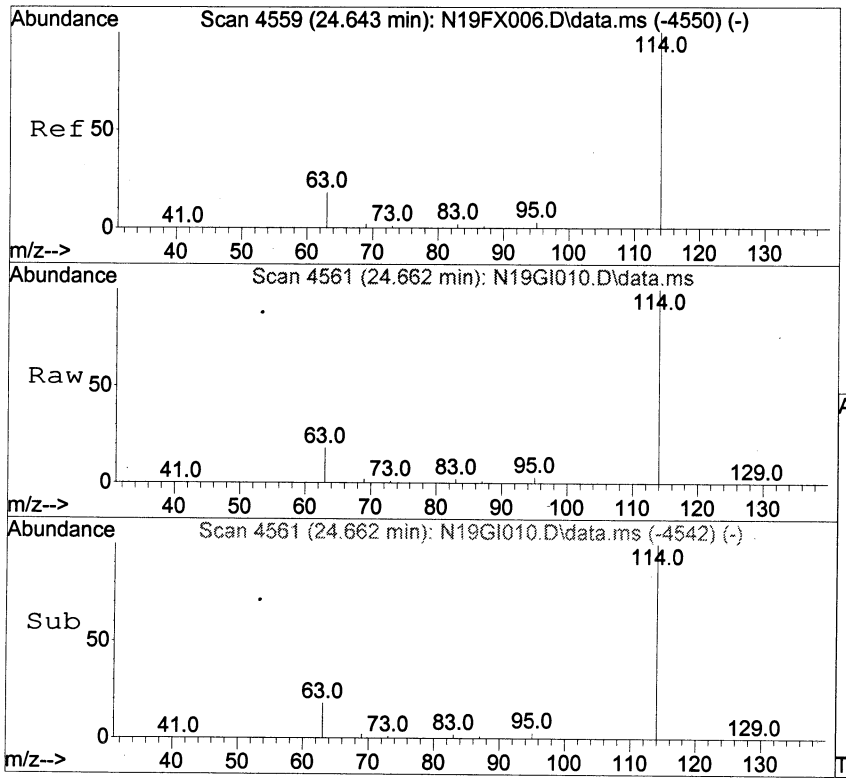


#2
Chloroprene
Concen: 0.881 ppbv
RT: 20.927 min Scan# 4144
Delta R.T. 0.012 min
Lab File: N19GI010.D
Acq: 9 Jul 2019 10:27 pm

Tgt Ion: 53 Resp: 3590

Ion	Ratio	Lower	Upper
53	100		
88	55.1	45.1	67.7
90	17.4	14.5	21.7

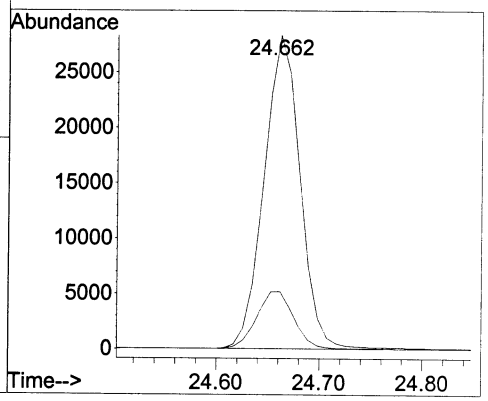


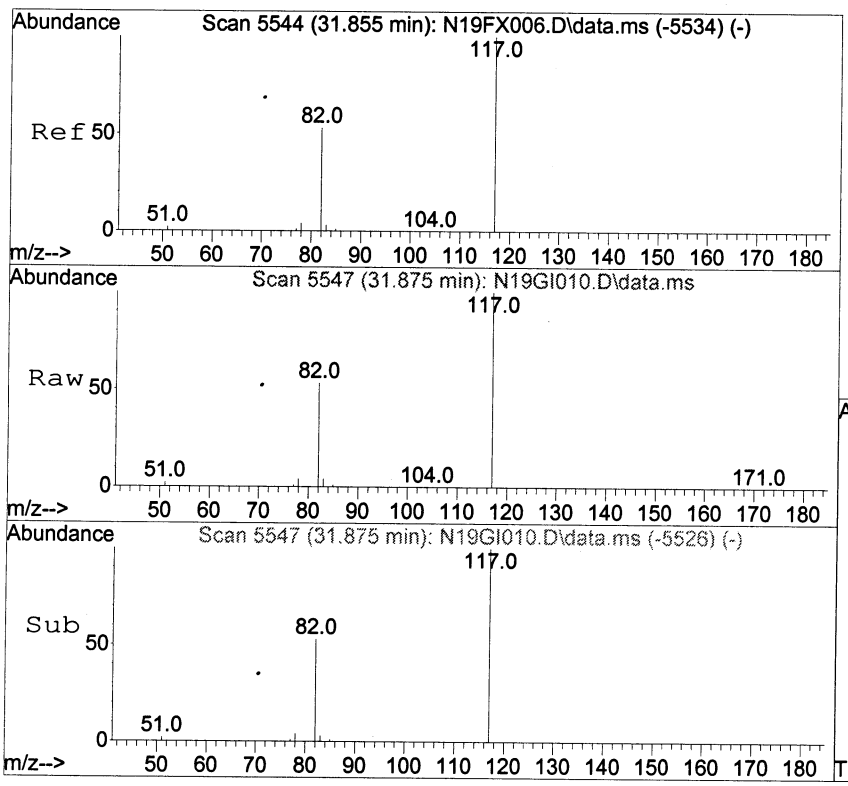


#3
IS-1,4-Difluorobenzene
Concen: 4.9900 ppbv
RT: 24.662 min Scan# 4561
Delta R.T. 0.018 min
Lab File: N19GI010.D
Acq: 9 Jul 2019 10:27 pm

Tgt Ion:114 Resp: 68895

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.1

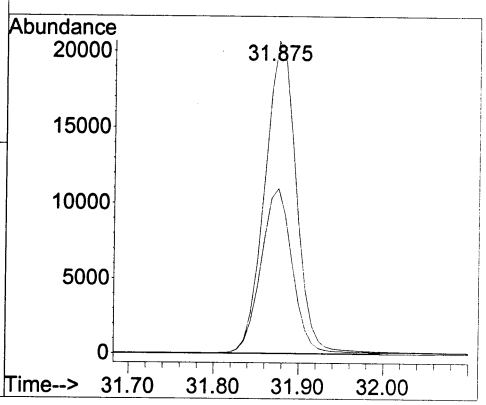




#4
IS-Chlorobenzene-d5
Concen: 4.7400 ppbv
RT: 31.875 min Scan# 5547
Delta R.T. 0.021 min
Lab File: N19GI010.D
Acq: 9 Jul 2019 10:27 pm

Tgt Ion:117 Resp: 53257

Ion	Ratio	Lower	Upper
117	100		
82	53.0	23.1	83.1
54	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

KSS 7/11/19

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI011.D
Acq On : 9 Jul 2019 11:31 pm (#1); 09-Jul-19, 23:25:08 (#2)
Operator : KSS
Sample : 9070228-05
Misc : 5TH WARD 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 10 14:17:47 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS-Hexane-d14	21.369	66	38972	4.7700	ppbv	0.01
3) IS-1,4-Difluorobenzene	24.661	114	68299	4.9900	ppbv	0.02
4) IS-Chlorobenzene-d5	31.879	117	53565	4.7400	ppbv	0.02

System Monitoring Compounds

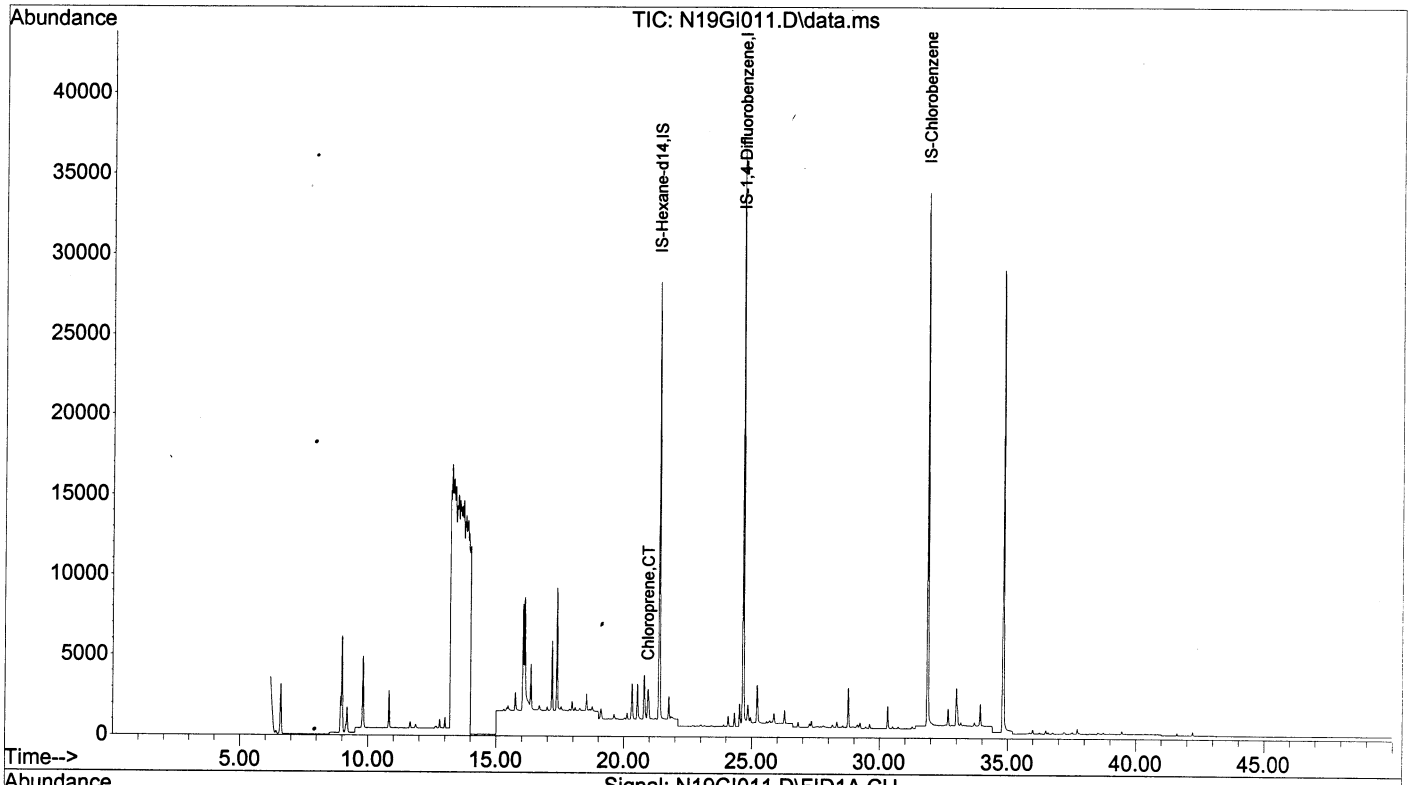
Target Compounds						Qvalue
2) Chloroprene	20.927	53	2199	0.5452	ppbv	97

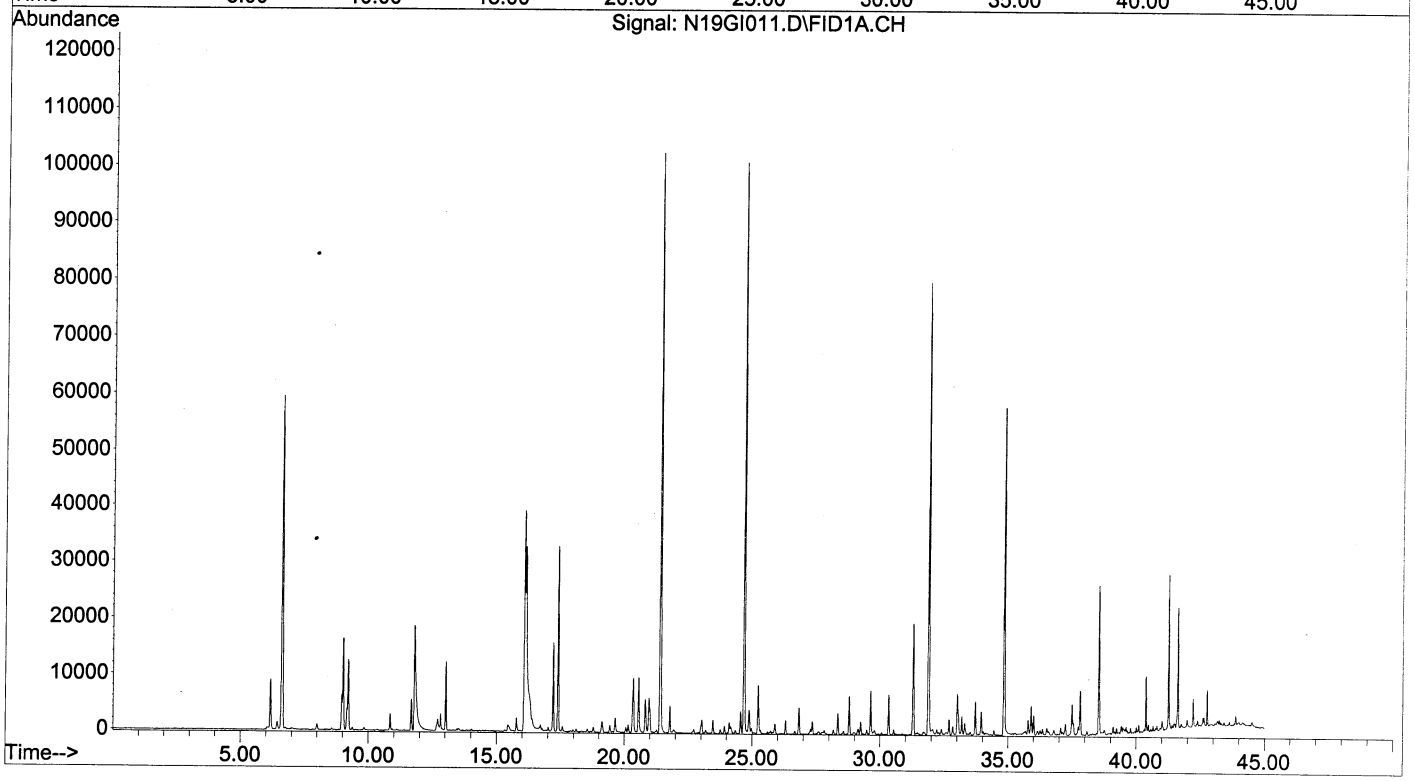
(#) = qualifier out of range (m) = manual integration (+) = signals summed

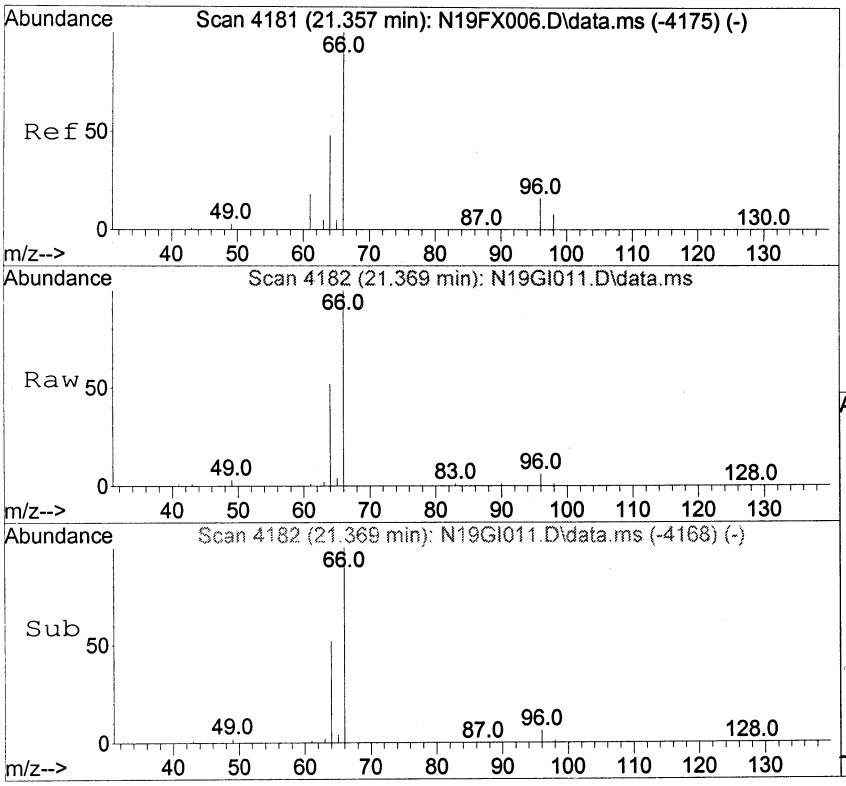
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI011.D
Acq On : 9 Jul 2019 11:31 pm (#1); 09-Jul-19, 23:25:08 (#2)
Operator : KSS
Sample : 9070228-05
Misc : 5TH WARD 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 10 14:17:47 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration



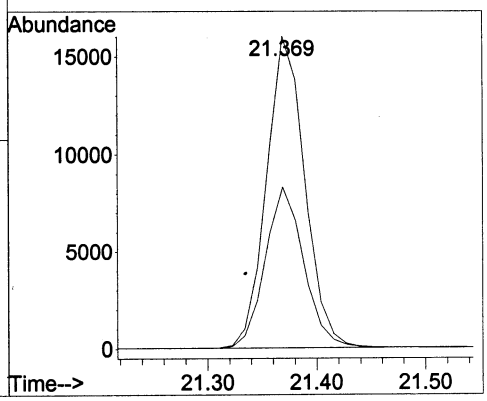


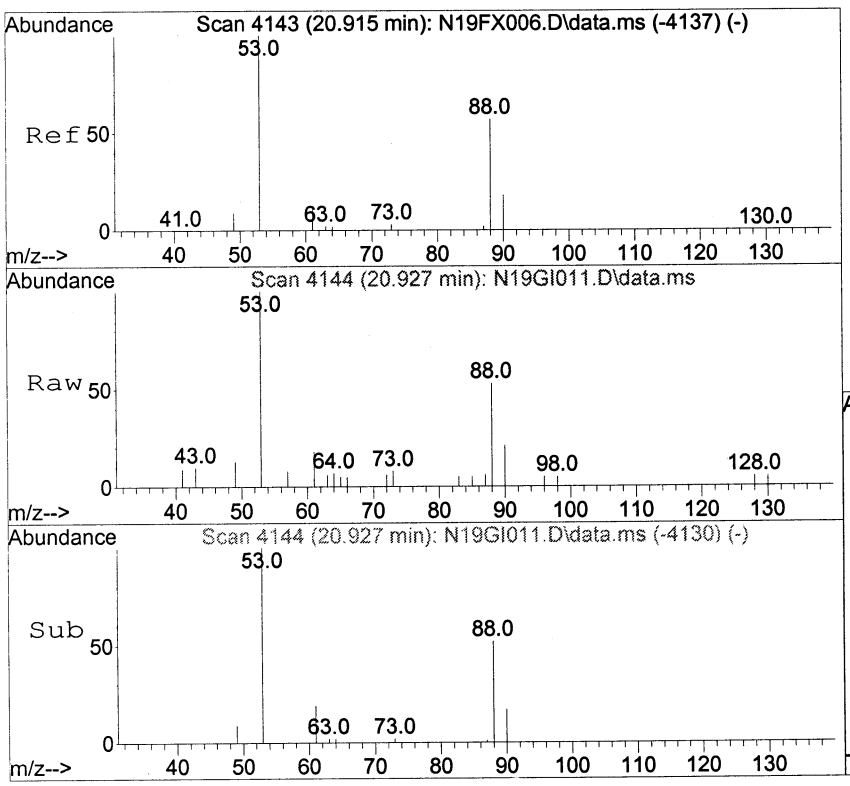


#1
IS-Hexane-d14
Concen: 4.7700 ppbv
RT: 21.369 min Scan# 4182
Delta R.T. 0.012 min
Lab File: N19GI011.D
Acq: 9 Jul 2019 11:31 pm

Tgt Ion: 66 Resp: 38972

Ion	Ratio	Lower	Upper
66	100		
64	52.0	35.3	65.5

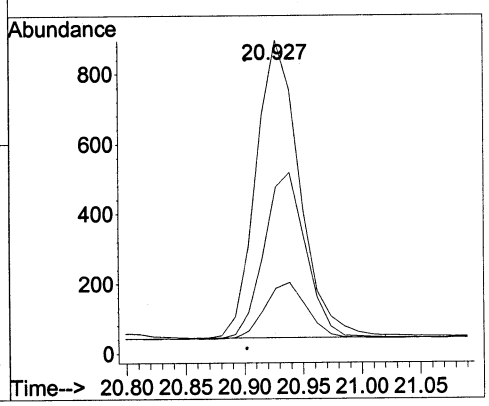


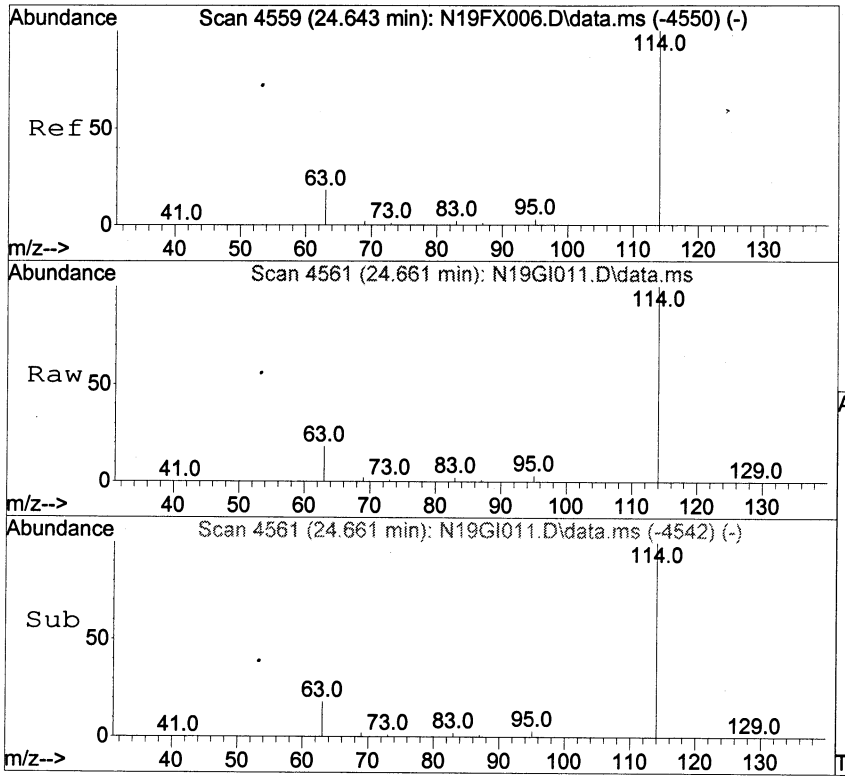


#2
Chloroprene
Concen: 0.545 ppbv
RT: 20.927 min Scan# 4144
Delta R.T. 0.012 min
Lab File: N19GI011.D
Acq: 9 Jul 2019 11:31 pm

Tgt Ion: 53 Resp: 2199

Ion	Ratio	Lower	Upper
53	100		
88	53.8	45.1	67.7
90	18.4	14.5	21.7

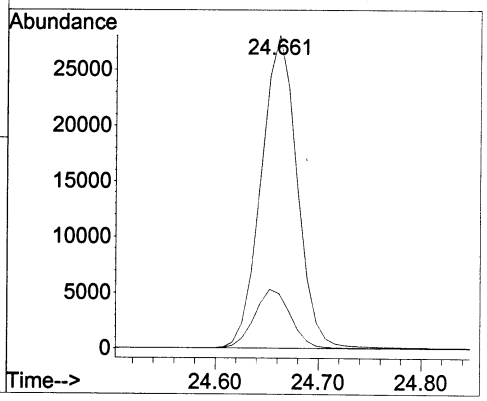


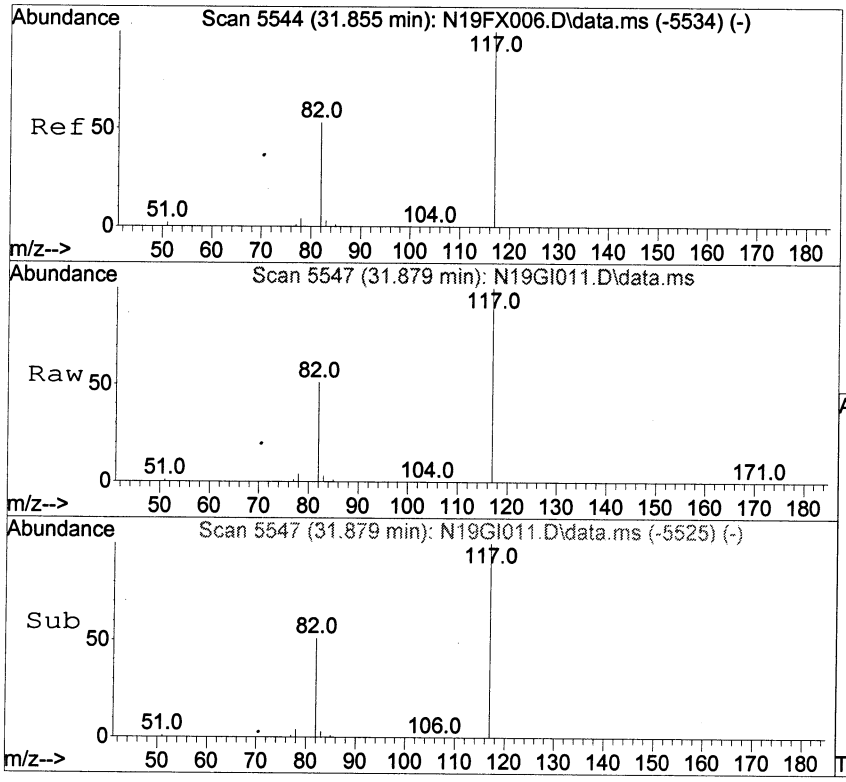


#3
IS-1,4-Difluorobenzene
Concen: 4.9900 ppbv
RT: 24.661 min Scan# 4561
Delta R.T. 0.018 min
Lab File: N19GI011.D
Acq: 9 Jul 2019 11:31 pm

Tgt Ion:114 Resp: 68299

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.1

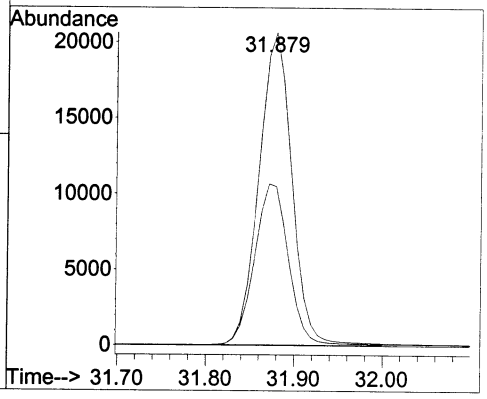




#4
IS-Chlorobenzene-d5
Concen: 4.7400 ppbv
RT: 31.879 min Scan# 5547
Delta R.T. 0.024 min
Lab File: N19GI011.D
Acq: 9 Jul 2019 11:31 pm

Tgt Ion:117 Resp: 53565

Ion	Ratio	Lower	Upper
117	100		
82	53.1	23.1	83.1
54	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

KSS 7/11/19

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI012.D
Acq On : 10 Jul 2019 12:34 am (#1); 10-Jul-19, 00:28:45 (#2)
Operator : KSS
Sample : 9070228-06
Misc : OCHSNERS 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 10 14:17:50 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) IS-Hexane-d14	21.370	66	37997	4.7700 ppbv	0.01
3) IS-1,4-Difluorobenzene	24.659	114	66982	4.9900 ppbv	0.02
4) IS-Chlorobenzene-d5	31.874	117	51872	4.7400 ppbv	0.02

System Monitoring Compounds

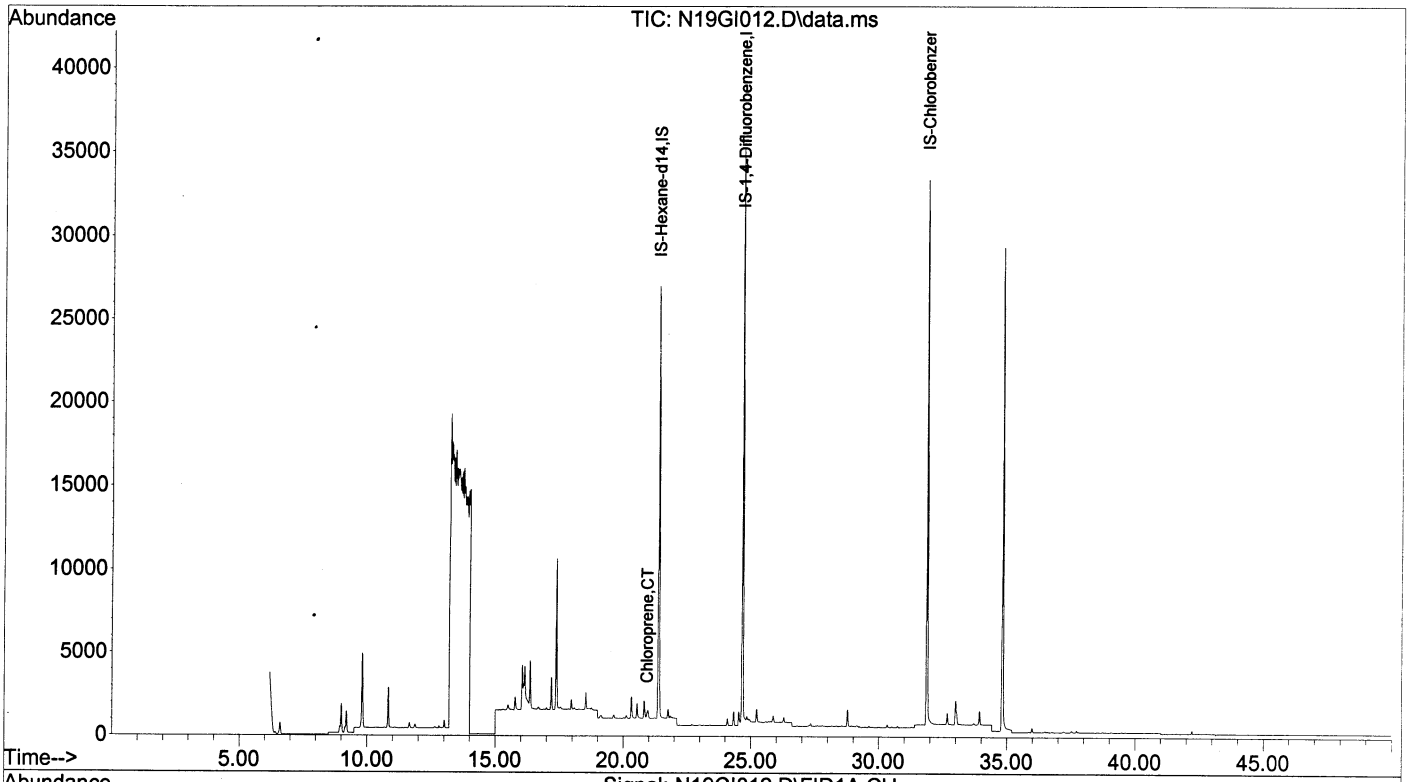
Target Compounds					Qvalue
2) Chloroprene	20.928	53	423	0.1076 ppbv	96

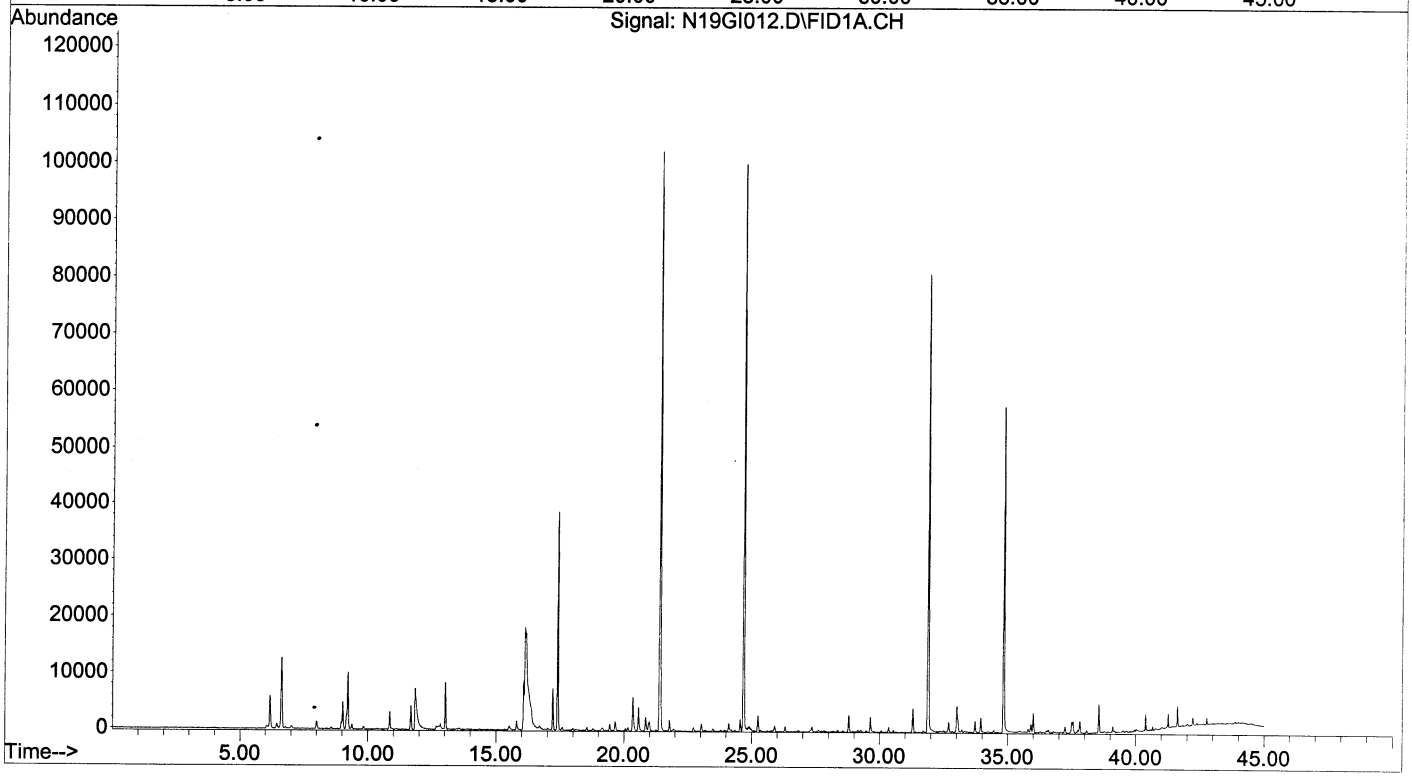
(#) = qualifier out of range (m) = manual integration (+) = signals summed

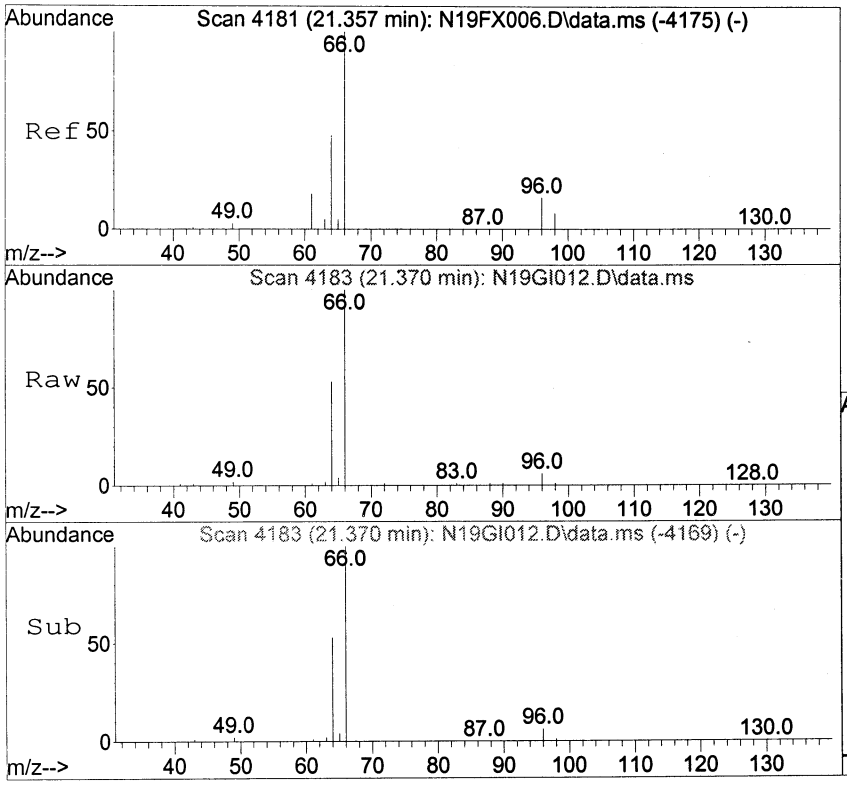
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI012.D
Acq On : 10 Jul 2019 12:34 am (#1); 10-Jul-19, 00:28:45 (#2)
Operator : KSS
Sample : 9070228-06
Misc : OCHSNERS 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 10 14:17:50 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration



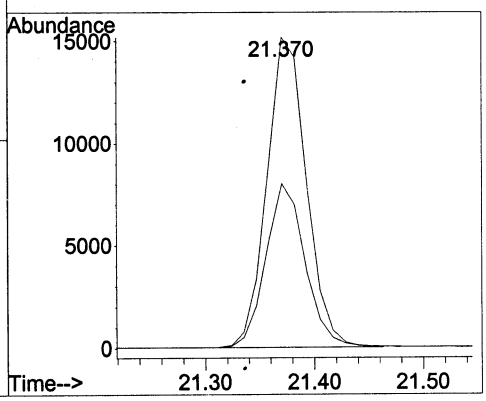


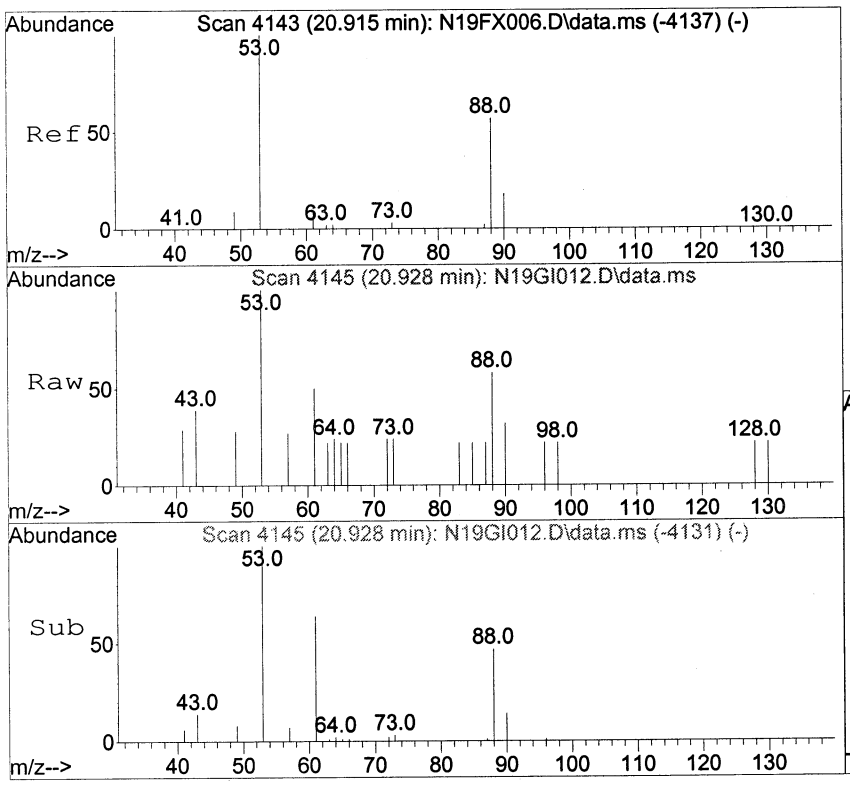


#1
IS-Hexane-d14
Concen: 4.7700 ppbv
RT: 21.370 min Scan# 4183
Delta R.T. 0.013 min
Lab File: N19GI012.D
Acq: 10 Jul 2019 12:34 am

Tgt Ion: 66 Resp: 37997

Ion	Ratio	Lower	Upper
66	100		
64	52.5	35.3	65.5

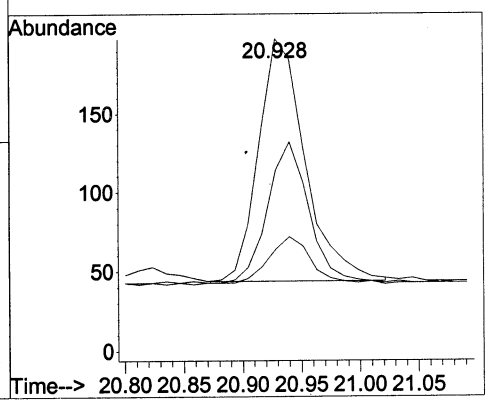


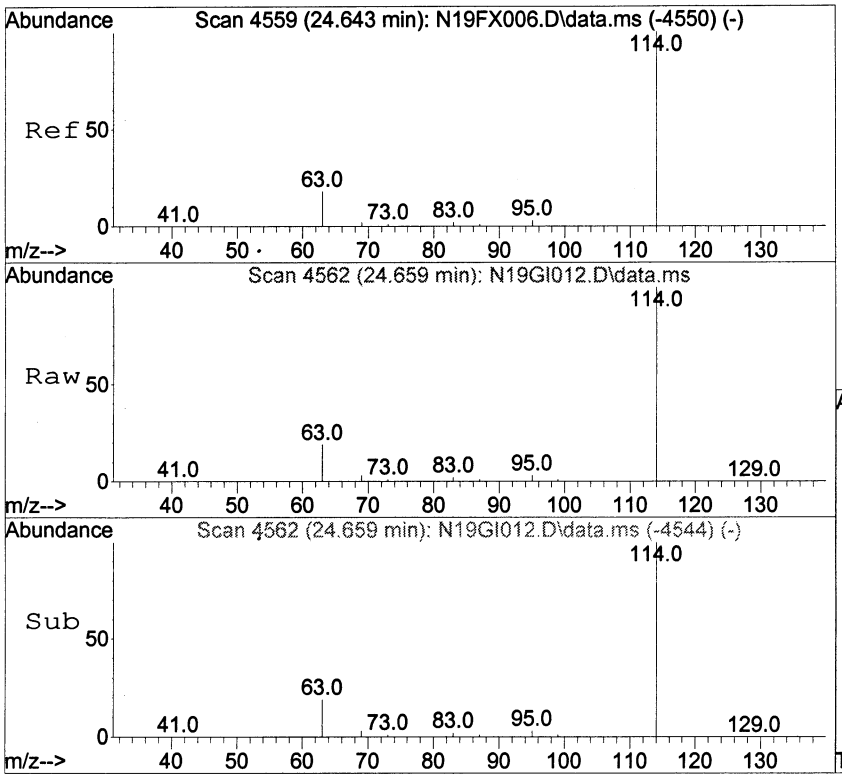


#2
Chloroprene
Concen: 0.108 ppbv
RT: 20.928 min Scan# 4145
Delta R.T. 0.013 min
Lab File: N19GI012.D
Acq: 10 Jul 2019 12:34 am

Tgt Ion: 53 Resp: 423

Ion	Ratio	Lower	Upper
53	100		
88	53.2	45.1	67.7
90	16.1	14.5	21.7

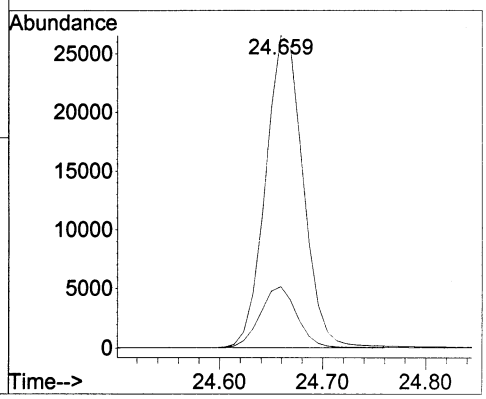


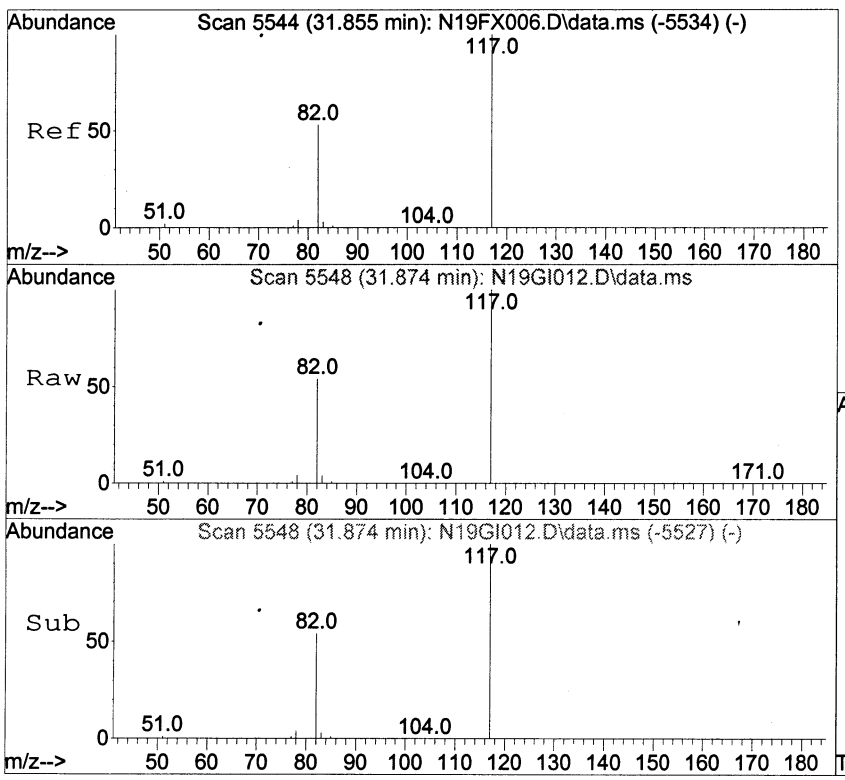


#3
IS-1,4-Difluorobenzene
Concen: 4.9900 ppbv
RT: 24.659 min Scan# 4562
Delta R.T. 0.016 min
Lab File: N19GI012.D
Acq: 10 Jul 2019 12:34 am

Tgt Ion:114 Resp: 66982

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.1

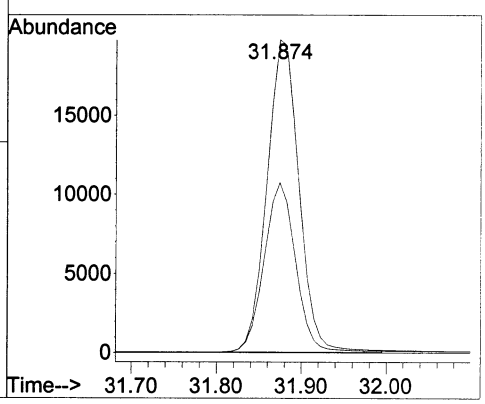




#4
IS-Chlorobenzene-d5
Concen: 4.7400 ppbv
RT: 31.874 min Scan# 5548
Delta R.T. 0.020 min
Lab File: N19GI012.D
Acq: 10 Jul 2019 12:34 am

Tgt Ion:117 Resp: 51872

Ion	Ratio	Lower	Upper
117	100		
82	53.2	23.1	83.1
54	0.0	0.0	30.0



Quantitation Report (QT Reviewed)

KSS 7/11/19

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI013.D
Acq On : 10 Jul 2019 1:38 am (#1); 10-Jul-19, 01:32:20 (#2)
Operator : KSS
Sample : 9070228-07
Misc : ACORN 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 10 14:17:53 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) IS-Hexane-d14	21.380	66	38054	4.7700	ppbv	0.02
3) IS-1,4-Difluorobenzene	24.661	114	66601	4.9900	ppbv	0.02
4) IS-Chlorobenzene-d5	31.878	117	50894	4.7400	ppbv	0.02

System Monitoring Compounds

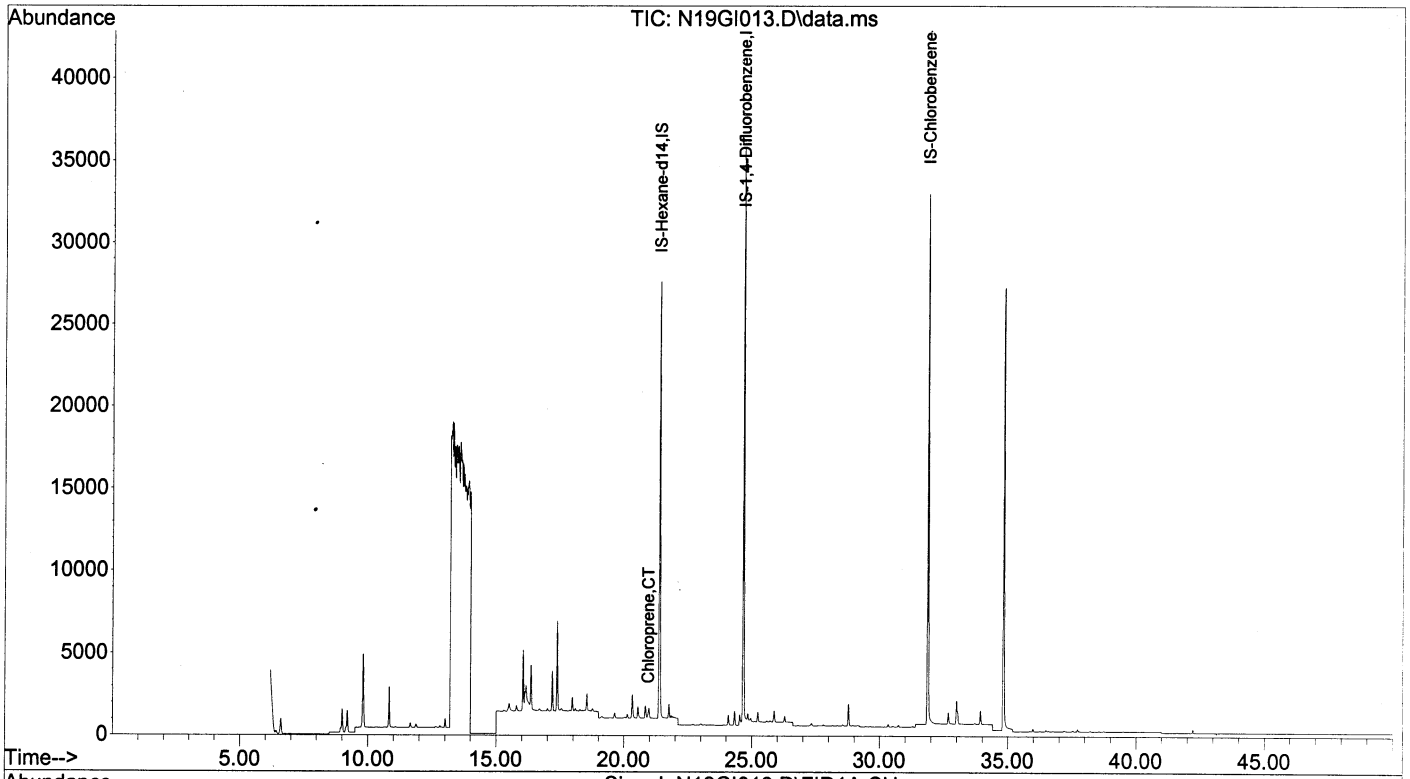
Target Compounds						Qvalue
2) Chloroprene	20.938	53	296	0.0752	ppbv	89

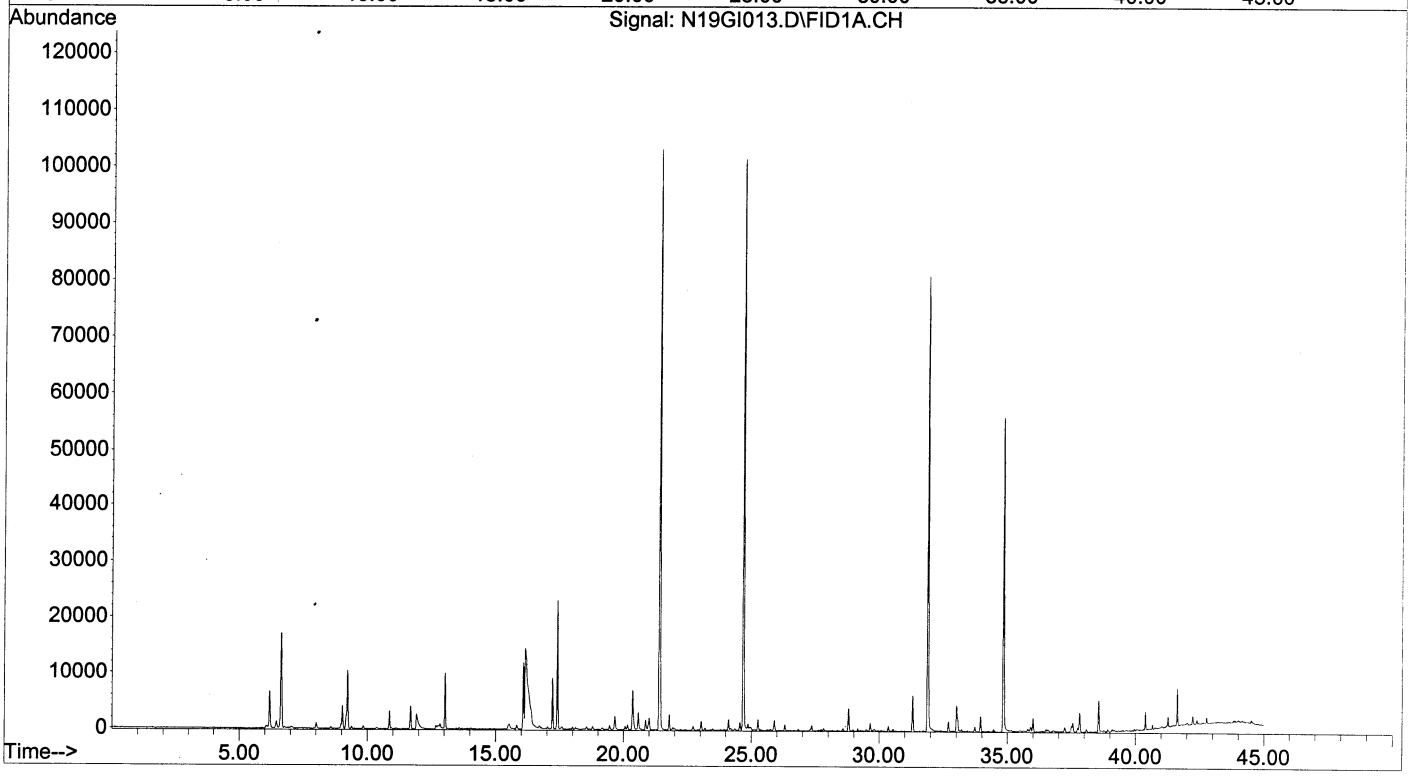
(#) = qualifier out of range (m) = manual integration (+) = signals summed

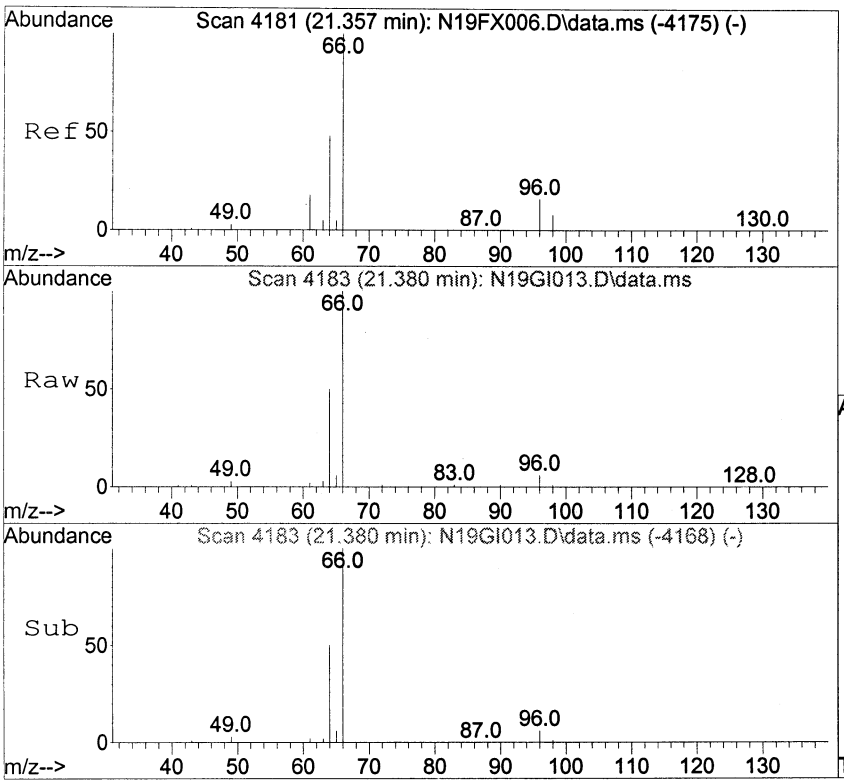
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\N19GI\
Data File : N19GI013.D
Acq On : 10 Jul 2019 1:38 am (#1); 10-Jul-19, 01:32:20 (#2)
Operator : KSS
Sample : 9070228-07
Misc : ACORN 6/28/19 (Sig #1); (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 10 14:17:53 2019
Quant Method : C:\msdchem\1\METHODS\9060006_CP.M
Quant Title : TO-15 by Selective Ion Analysis
QLast Update : Mon Jul 01 08:56:25 2019
Response via : Initial Calibration



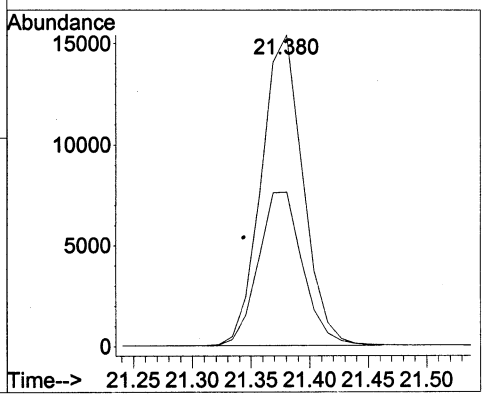


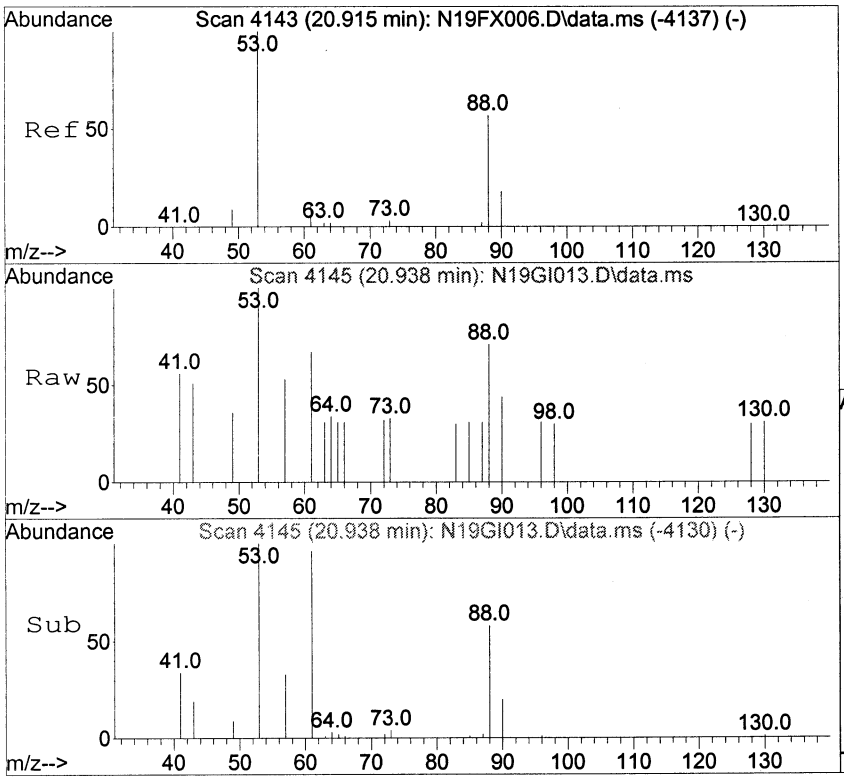


#1
IS-Hexane-d14
Concen: 4.7700 ppbv
RT: 21.380 min Scan# 4183
Delta R.T. 0.023 min
Lab File: N19GI013.D
Acq: 10 Jul 2019 1:38 am

Tgt Ion: 66 Resp: 38054

Ion	Ratio	Lower	Upper
66	100		
64	52.6	35.3	65.5

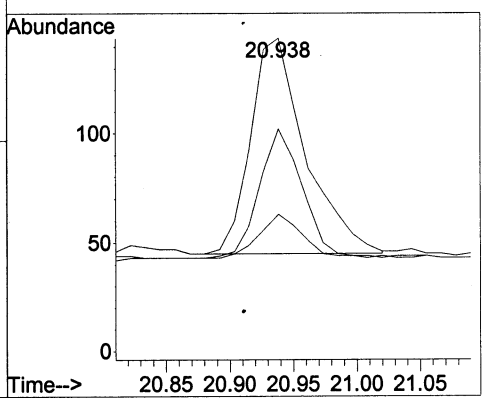


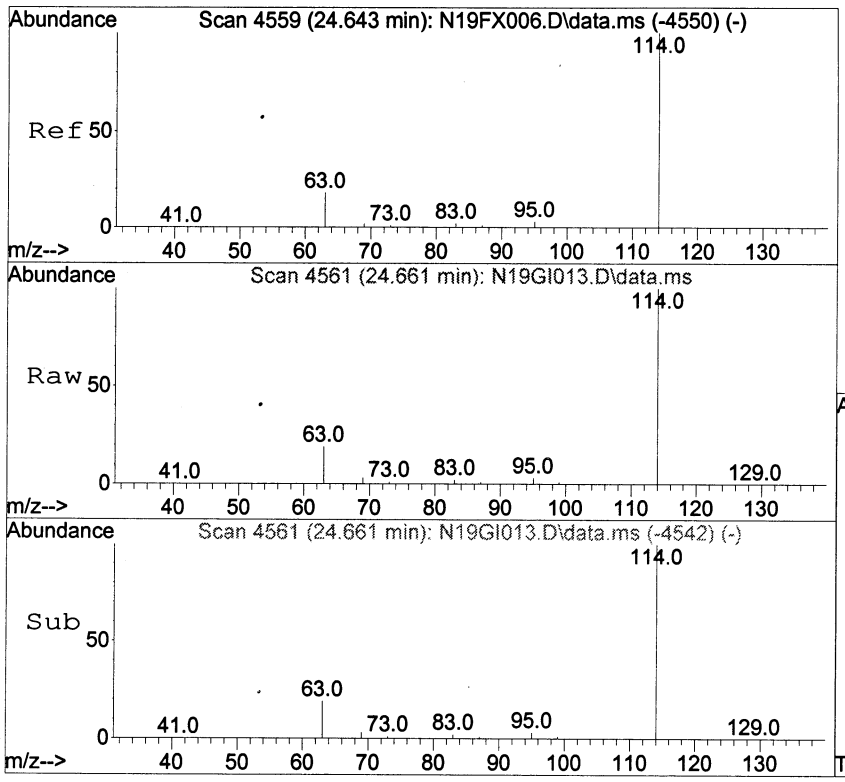


#2
Chloroprene
Concen: 0.075 ppbv
RT: 20.938 min Scan# 4145
Delta R.T. 0.023 min
Lab File: N19GI013.D
Acq: 10 Jul 2019 1:38 am

Tgt Ion: 53 Resp: 296

Ion	Ratio	Lower	Upper
53	100		
88	47.0	45.1	67.7
90	15.9	14.5	21.7

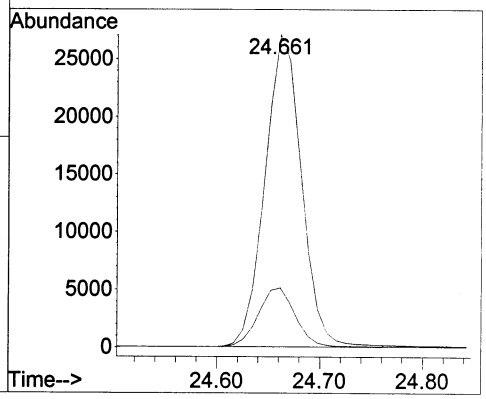


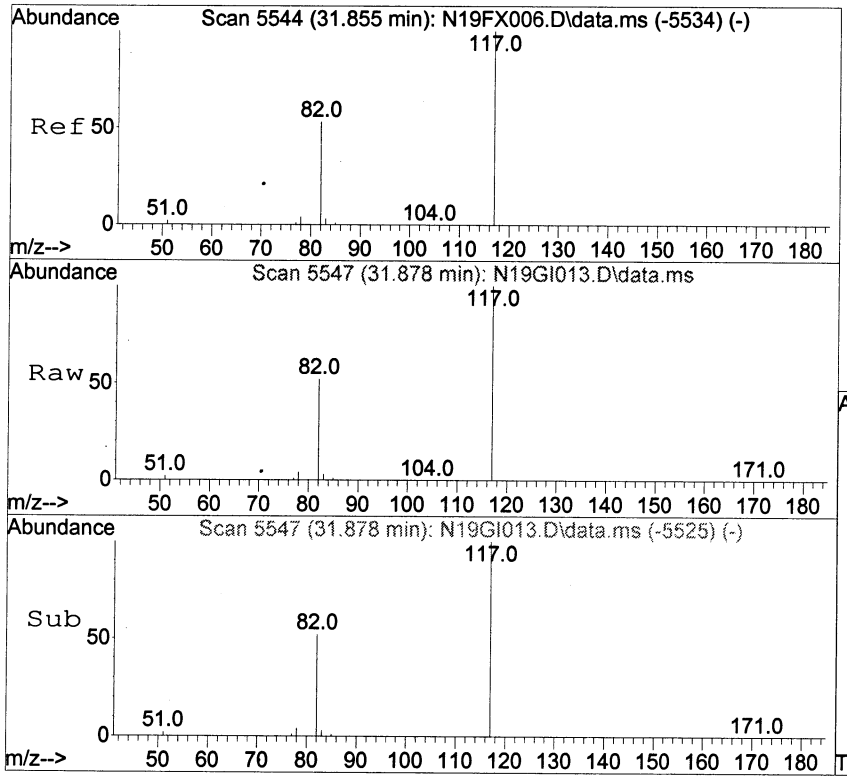


#3
IS-1,4-Difluorobenzene
Concen: 4.9900 ppbv
RT: 24.661 min Scan# 4561
Delta R.T. 0.018 min
Lab File: N19GI013.D
Acq: 10 Jul 2019 1:38 am

Tgt Ion:114 Resp: 66601

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.1

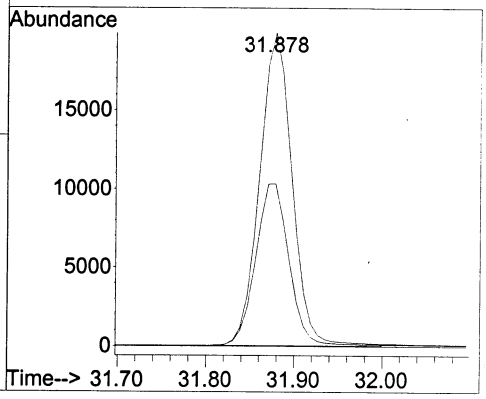




#4
IS-Chlorobenzene-d5
Concen: 4.7400 ppbv
RT: 31.878 min Scan# 5547
Delta R.T. 0.024 min
Lab File: N19GI013.D
Acq: 10 Jul 2019 1:38 am

Tgt Ion:117 Resp: 50894

Ion	Ratio	Lower	Upper
117	100		
82	53.2	23.1	83.1
54	0.0	0.0	30.0



PREPARATION BENCH SHEET

B9G0906

Eastern Research Group

Matrix: Air | **Prepared using: Air Toxics - Summa Canister Prep** | **Printed: 7/9/2019 1:01:33PM**

Lab Number	Prepared	Initial (ml)	Final (ml)	Spike ID	Source ID	ul Spike	Comments
9070228-01 *TO-15 2019_Chloropren*	06/28/19 14:40	250	250	U.S. Environmental Protection Agency - OAQPS			
9070228-02 *TO-15 2019_Chloropren*	06/28/19 14:40	250	250	U.S. Environmental Protection Agency - OAQPS			
9070228-03 *TO-15 2019_Chloropren*	06/28/19 14:26	250	250	U.S. Environmental Protection Agency - OAQPS			
9070228-04 *TO-15 2019_Chloropren*	06/28/19 14:46	250	250	U.S. Environmental Protection Agency - OAQPS			
9070228-05 *TO-15 2019_Chloropren*	06/28/19 14:43	250	250	U.S. Environmental Protection Agency - OAQPS			
9070228-06 *TO-15 2019_Chloropren*	06/28/19 14:30	250	250	U.S. Environmental Protection Agency - OAQPS			
9070228-07 *TO-15 2019_Chloropren*	06/28/19 14:30	250	250	U.S. Environmental Protection Agency - OAQPS			
9070835-01 *TO-15 2019_Chloropren*	07/04/19 12:45	250	250	U.S. Environmental Protection Agency - OAQPS			
9070835-02 *TO-15 2019_Chloropren*	07/04/19 12:48	250	250	U.S. Environmental Protection Agency - OAQPS			
9070835-03 *TO-15 2019_Chloropren*	07/04/19 12:42	250	250	U.S. Environmental Protection Agency - OAQPS			
9070835-04 *TO-15 2019_Chloropren*	07/04/19 12:52	250	250	U.S. Environmental Protection Agency - OAQPS			
9070835-05 *TO-15 2019_Chloropren*	07/04/19 12:30	250	250	U.S. Environmental Protection Agency - OAQPS			
9070835-06 *TO-15 2019_Chloropren*	07/04/19 12:35	250	250	U.S. Environmental Protection Agency - OAQPS			
9070835-07 *TO-15 2019_Chloropren*	07/04/19 12:35	250	250	U.S. Environmental Protection Agency - OAQPS			

Spiking Witnessed By _____ Date _____

Preparation Reviewed By _____ Date 7/10/19

Extracts Received By _____ Date _____

PREPARATION BENCH SHEET

B9G0906

Eastern Research Group

Matrix: Air **Prepared using: Air Toxics - Summa Canister Prep** **Printed: 7/9/2019 1:01:33PM**

Lab Number	Prepared	Initial (ml)	Final (ml)	Spike ID	Source ID	ul Spike	Comments
B9G0906-BLK1	07/09/19 12:59	250	250				T-H2-626
B9G0906-DUP1	06/28/19 14:40	250	250		9070228-01		
B9G0906-DUP2	06/28/19 14:40	250	250		9070228-02		
B9G0906-DUP3	07/04/19 12:35	250	250		9070835-06		
B9G0906-DUP4	07/04/19 12:35	250	250		9070835-07		

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

1

ERG Eastern Research Group, Inc.

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

ERG Lab ID # 9070228-01

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: LEVEE

Canister Number: SAT037

City/State: LA PLACE, LA

Lab Initial Can. Press. ("Hg): 29.7

AQS Code:

Cleaning Batch # : H2-618

Collection Date: 6/28/19

Date Can. Cleaned: 6/10/19

Options:

SNMOC (Y/N):

Duplicate Event (Y/N): Y

TOXICS (Y/N): CHLOROFORM

Duplicate Can # : A21040

METHANE (Y/N):

Relinquished by: RMB

Date: 6/18/19

Field Setup

Received by: [signature]

Date: 6/27/19

Operator: [signature]

MFC Setting: 24 hr

System #: PR-28

Elapsed Timer Reset (Y/N): N

Setup Date: 6/27/19 1445

Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -30 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 6/28/19 1440

Sample Duration (3 or 24 hr): 24 hr

Operator: [signature]

Elapsed Time: 23.92

Field Final Can. Press.: -10 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one)

Canister Valve Closed (Y/N): Y

Relinquished by: [signature]

Date: 6/28/19

Lab Recovery

Received by: RMB

Date: 7/2/19

Lab Final Can. Press.: 11.00 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)

To:

5-2016

Comments:

White: Sample Traveler

Canary: Lab Copy

Pink: Field Copy

ERG Eastern Research Group, Inc.

ERG Lab ID # 9070228-02

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

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: LEVEE

Canister Number: A21040

City/State: LaPlace, LA

Lab Initial Can. Press. ("Hg): 29.9

AQS Code:

Cleaning Batch # : H1-610

Collection Date: 6/28/19

Date Can. Cleaned: 5/30/19

Options:

SNMOC (Y/N):

Duplicate Event (Y/N): Y

TOXICS (Y/N): CHLOROPRENE

Duplicate Can # : SAT037

METHANE (Y/N):

Relinquished by: RMB

Date: 6/4/19

Field Setup

Received by: [signature]

Date: 6/27/19

Operator: [signature]

MFC Setting: 24 hr

System #: PR-26

Elapsed Timer Reset (Y/N): N

Setup Date: 6/27/19 1445

Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -30 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 6/28/19 1440

Sample Duration (3 or 24 hr): 24 hr

Operator: [signature]

Elapsed Time: 23.92

Field Final Can. Press.: -10 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one)

Canister Valve Closed (Y/N): Y

Relinquished by: [signature]

Date: 6/28/19

Lab Recovery

Received by: RMB

Date: 7/2/19

Lab Final Can. Press.: 9.50 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:

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 # 9070228-03

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: E. St. John HS

Canister Number: 5090

City/State: LaPlace, LA

Lab Initial Can. Press. ("Hg): 29.7

AQS Code:

Cleaning Batch # : H1-619

Collection Date: 6/28/19

Date Can. Cleaned: 6/12/19

Options:

SNMOC (Y/N):

Duplicate Event (Y/N): N

TOXICS (Y/N): Chloroprene

Duplicate Can # :

METHANE (Y/N):

Relinquished by: RMB

Date: 6/18/19

Field Setup

Received by:

Date: 6/28/19

Operator:

MFC Setting: 24 hr

System #: TR-24

Elapsed Timer Reset (Y/N): N

Setup Date: 6/27/19 1426

Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -30 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 6/28/19 1426

Sample Duration (3 or 24 hr): 24 hr

Operator:

Elapsed Time: 24.0

Field Final Can. Press.: -9 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one)

Canister Valve Closed (Y/N): Y

Relinquished by:

Date: 6/28/19

Lab Recovery

Received by: RMB

Date: 7/2/19

Lab Final Can. Press.: 10.00 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:

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 # 9070228-04

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: 238 Chad Baker

Canister Number: A21088

City/State: LaPlace, LA

Lab Initial Can. Press. ("Hg): 29.7

AQS Code:

Cleaning Batch # : H2-618

Collection Date: 6/28/19

Date Can. Cleaned: 6/10/19

Options:

SNMOC (Y/N):

Duplicate Event (Y/N): N

TOXICS (Y/N): Chloroprene

Duplicate Can # :

METHANE (Y/N):

Relinquished by: RMB

Date: 6/18/19

Field Setup

Received by: [signature]

Date: 6/27/19

Operator: [signature]

MFC Setting: 24 hr

System #: PR-27

Elapsed Timer Reset (Y/N): N

Setup Date: 6/27/19 1453

Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -30 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 6/28/19 1446

Sample Duration (3 or 24 hr): 24 hr

Operator: [signature]

Elapsed Time: 23.88

Field Final Can. Press.: -8 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one)

Canister Valve Closed (Y/N): Y

Relinquished by: [signature]

Date: 6/28/19

Lab Recovery

Received by: RMB

Date: 7/2/19

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:

To:

Samples stored in Air Tox Lab (Room 130)

5-2016

Comments:

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 # 9070228-05

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: 5th Ward Elem

Canister Number: SAT141

City/State: LaPlace, LA

Lab Initial Can. Press. ("Hg): 29.7

AQS Code:

Cleaning Batch # : H1-618

Collection Date: 6/28/19

Date Can. Cleaned: 6/10/19

Options:

SNMOC (Y/N):

Duplicate Event (Y/N): N

TOXICS (Y/N): Chloroprene

Duplicate Can # :

METHANE (Y/N):

Relinquished by: RMB

Date: 6/18/19

Field Setup

Received by:

Date: 6/27/19

Operator:

MFC Setting: 24-hr

System #: PR-29

Elapsed Timer Reset (Y/N): N

Setup Date: 6/27/19 1450

Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -30 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 6/28/19 1443

Sample Duration (3 or 24 hr): 24-hr

Operator:

Elapsed Time: 23.88

Field Final Can. Press.: -7.5 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one)

Canister Valve Closed (Y/N): Y

Relinquished by:

Date: 6/28/19

Lab Recovery

Received by: RMB

Date: 7/2/19

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:

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 # 9070228-06

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: OCHSNERS

Canister Number: 5110

City/State: LAPLACE, LA

Lab Initial Can. Press. ("Hg): 29.7

AQS Code:

Cleaning Batch # : H1-618

Collection Date: 6/28/19

Date Can. Cleaned: 6/10/19

Options:

SNMOC (Y/N):

Duplicate Event (Y/N): N

TOXICS (Y/N): CHLOROPRENE

Duplicate Can # :

METHANE (Y/N):

Relinquished by: RMB

Date: 6/18/19

Field Setup

Received by: [illegible]

Date: 6/27/19

Operator: [illegible]

MFC Setting: 24-hr

System #: PR-18

Elapsed Timer Reset (Y/N): N

Setup Date: 6/27/19 1434

Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -30 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 6/28/19 1430

Sample Duration (3 or 24 hr): 24-hr

Operator: [illegible]

Elapsed Time: 23.93

Field Final Can. Press.: -11.5 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one)

Canister Valve Closed (Y/N): Y

Relinquished by: [illegible]

Date: 6/27/19

Lab Recovery

Received by: RMB

Date: 7/2/19

Lab Final Can. Press.: 10.50 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:

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 # 9070228-07

AIR TOXICS SAMPLE CHAIN OF CUSTODY

Lab Pre-Sampling

Site Code: Acorn + Hwy 44

Canister Number: 19640

City/State: La Place, LA

Lab Initial Can. Press. ("Hg): 29.7

AQS Code:

Cleaning Batch # : H1-618

Collection Date: 6/28/19

Date Can. Cleaned: 6/10/19

Options:

SNMOC (Y/N):

Duplicate Event (Y/N): N

TOXICS (Y/N): Chloroprene

Duplicate Can # :

METHANE (Y/N):

Relinquished by: RMB

Date: 6/18/19

Field Setup

Received by:

Date: 6/27/19

Operator:

MFC Setting: 24-hr

System #: PR-17

Elapsed Timer Reset (Y/N): N

Setup Date: 6/27/19 1441

Canister Valve Opened (Y/N): Y

Field Initial Can. Press.: -30 psig psia "Hg (Circle one)

Field Recovery

Recovery Date: 6/28/19 1436

Sample Duration (3 or 24 hr): 24-hr

Operator:

Elapsed Time: 23.92

Field Final Can. Press.: -12.5 psig psia "Hg (Circle one)

Status: VALID VOID (Circle one)

Canister Valve Closed (Y/N): Y

Relinquished by:

Date: 6/28/19

Lab Recovery

Received by: RMB

Date: 7/2/19

Lab Final Can. Press.: 10.00 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:

White: Sample Traveler

Canary: Lab Copy

Pink: Field Copy