

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL072524

Review By	MMDadoda	Review On	7/29/2024 5:57:16 PM
Supervise By		Supervise On	
SubDirectory	VL072524	HP Acquire Method	AIR-TO15
		HP Processing Method	VL072524AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2535		
Initial Calibration Stds	AP2539,AP2540,AP2541		
CCC	AP2539		
Internal Standard/PEM	AP2535		
ICV/I.BLK	AP2537		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041397.D	25 Jul 2024 12:29	SY/MD	Ok
2	VSTDICC0.5	VL041398.D	25 Jul 2024 13:19	SY/MD	Ok,M
3	VSTDICCC010	VL041399.D	25 Jul 2024 13:59	SY/MD	Ok,M
4	VSTDICC002	VL041400.D	25 Jul 2024 14:40	SY/MD	Ok,M
5	VSTDICC001	VL041401.D	25 Jul 2024 15:19	SY/MD	Ok,M
6	VSTDICC0.5	VL041402.D	25 Jul 2024 16:00	SY/MD	Not Ok
7	VSTDICC0.1	VL041403.D	25 Jul 2024 16:42	SY/MD	Ok,M
8	VSTDICC0.03	VL041404.D	25 Jul 2024 17:24	SY/MD	Ok,M
9	VSTDICC015	VL041405.D	25 Jul 2024 18:06	SY/MD	Ok,M
10	VSTDICV010	VL041406.D	25 Jul 2024 19:31	SY/MD	Ok,M
11	VL0725ABL01	VL041407.D	25 Jul 2024 20:56	SY/MD	Ok
12	VL0725ABS01	VL041408.D	25 Jul 2024 21:38	SY/MD	Ok,M
13	VIBLK	VL041409.D	25 Jul 2024 22:20	SY/MD	Ok
14	P3320-01	VL041410.D	26 Jul 2024 7:22	SY/MD	Ok,M
15	P3320-01DUP	VL041411.D	26 Jul 2024 8:02	SY/MD	Ok,M
16	P3320-02	VL041412.D	26 Jul 2024 8:43	SY/MD	Dilution
17	P3342-04	VL041413.D	26 Jul 2024 9:24	SY/MD	Ok,M
18	P3356-01	VL041414.D	26 Jul 2024 10:04	SY/MD	Dilution
19	P3356-02	VL041415.D	26 Jul 2024 10:45	SY/MD	Ok,M
20	P3320-02DL	VL041416.D	26 Jul 2024 11:25	SY/MD	Ok,M
21	P3356-01DL	VL041417.D	26 Jul 2024 12:05	SY/MD	Ok,M

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QCBatch ID # VL072524

Review By	MMDadoda	Review On	7/29/2024 5:57:16 PM
Supervise By		Supervise On	
SubDirectory	VL072524	HP Acquire Method	AIR-TO15
		HP Processing Method	VL072524AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2535		
Initial Calibration Stds	AP2539,AP2540,AP2541		
CCC	AP2539		
Internal Standard/PEM	AP2535		
ICV/I.BLK	AP2537		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	VSTDCCC010	VL041418.D	26 Jul 2024 12:45	SY/MD	Not Ok
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M : Manual Integration

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QCBatch ID # VL080824

Review By	MMDadoda	Review On	8/9/2024 6:45:54 PM
Supervise By		Supervise On	
SubDirectory	VL080824	HP Acquire Method	AIR-TO15
		HP Processing Method	VL072524AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2536		
Initial Calibration Stds	AP2539,AP2540,AP2541		
CCC	AP2539		
Internal Standard/PEM	AP2536		
ICV/I.BLK	AP2537		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041502.D	8 Aug 2024 7:31	SY/MD	Ok
2	VSTDCCC010	VL041503.D	8 Aug 2024 8:10	SY/MD	Ok,M
3	VL0808ABL01	VL041504.D	8 Aug 2024 8:59	SY/MD	Ok
4	VL0808ABS01	VL041505.D	8 Aug 2024 9:39	SY/MD	Ok,M
5	CAN 10602	VL041506.D	8 Aug 2024 10:19	SY/MD	Ok
6	CAN 10596	VL041507.D	8 Aug 2024 10:59	SY/MD	Ok
7	P3454-01DL	VL041508.D	8 Aug 2024 11:41	SY/MD	Ok
8	P3454-01	VL041509.D	8 Aug 2024 12:23	SY/MD	Dilution
9	VIBLK	VL041510.D	8 Aug 2024 13:04	SY/MD	Ok
10	P3496-01	VL041511.D	8 Aug 2024 13:45	SY/MD	Dilution
11	P3496-01DUP	VL041512.D	8 Aug 2024 14:26	SY/MD	Ok,M
12	P3496-04	VL041513.D	8 Aug 2024 15:07	SY/MD	Dilution
13	P3496-04DL	VL041514.D	8 Aug 2024 15:48	SY/MD	Ok,M
14	P3496-02	VL041515.D	8 Aug 2024 16:29	SY/MD	Ok,M
15	P3496-02DL	VL041516.D	8 Aug 2024 17:11	SY/MD	Not Ok
16	P3496-05	VL041517.D	8 Aug 2024 17:52	SY/MD	Dilution
17	P3496-05DL	VL041518.D	8 Aug 2024 18:34	SY/MD	Dilution
18	P3496-06	VL041519.D	8 Aug 2024 19:15	SY/MD	Dilution
19	P3496-06DL	VL041520.D	8 Aug 2024 19:57	SY/MD	Dilution
20	P3496-07	VL041521.D	8 Aug 2024 20:39	SY/MD	Dilution
21	P3496-07	VL041522.D	8 Aug 2024 21:20	SY/MD	Not Ok

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL080824

Review By	MMDadoda	Review On	8/9/2024 6:45:54 PM
Supervise By		Supervise On	
SubDirectory	VL080824	HP Acquire Method	AIR-TO15
		HP Processing Method	VL072524AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2536		
Initial Calibration Stds	AP2539,AP2540,AP2541		
CCC	AP2539		
Internal Standard/PEM	AP2536		
ICV/I.BLK	AP2537		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	VIBLK	VL041523.D	8 Aug 2024 22:01	SY/MD	Ok,M
23	P3496-01DL	VL041524.D	8 Aug 2024 22:42	SY/MD	Ok,M
24	VSTDCCC010	VL041525.D	8 Aug 2024 23:23	SY/MD	Ok,M

M : Manual Integration

Process Report

Order ID : Q1073

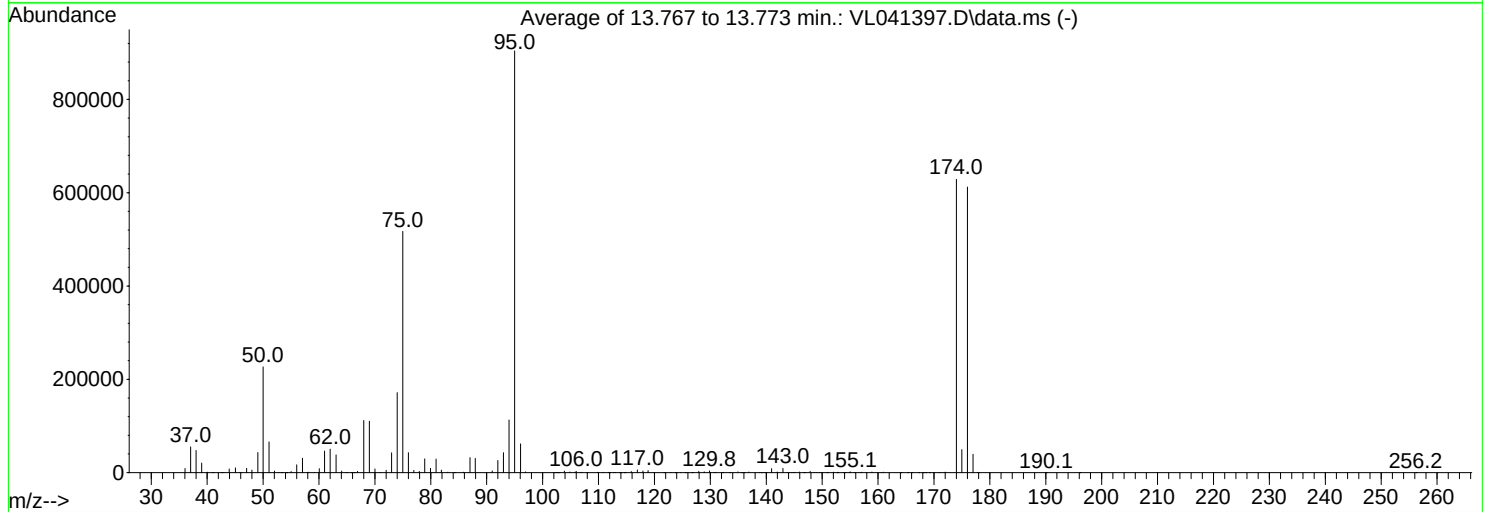
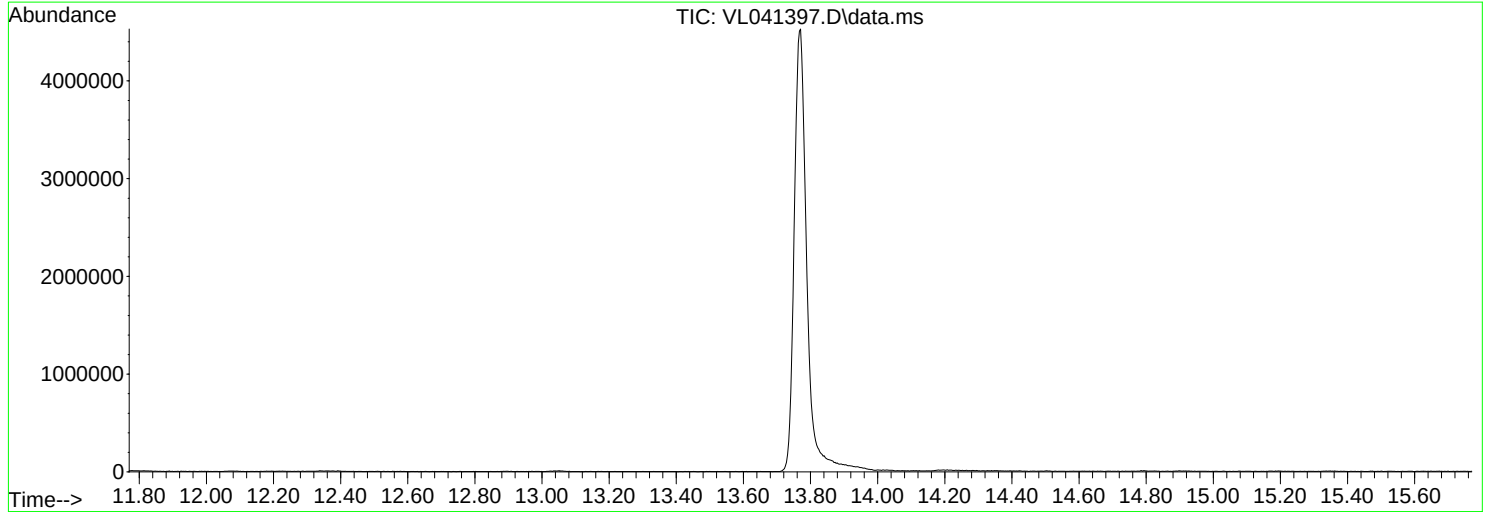
Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
01/13/2025	B2501005	Q1073-06	-7.1	10333	6 L	10485		C2409001	VL041612.D Seq :vl091824 TUNE : VL041600.D ICAL : VL041597.D CCAL : VL041601.D MB : VL041602.D
01/13/2025	B2501005	Q1073-01	-5.5	10439	6 L	10616		C2409001	VL041612.D Seq :vl091824 TUNE : VL041600.D ICAL : VL041597.D CCAL : VL041601.D MB : VL041602.D
01/13/2025	B2501005	Q1073-03	-6.7	10602	6 L	10185		C2409001	VL041612.D Seq :vl091824 TUNE : VL041600.D ICAL : VL041597.D CCAL : VL041601.D MB : VL041602.D
01/13/2025	B2501005	Q1073-04	-3.1	10596	6 L	10690		C2408001	VL041507.D Seq :VL080824 TUNE : VL041502.D ICAL : VL041404.D CCAL : VL041503.D MB : VL041504.D
01/13/2025	B2501005	Q1073-02	-6.7	10321	6 L	10109		C2409001	VL041612.D Seq :vl091824 TUNE : VL041600.D ICAL : VL041597.D CCAL : VL041601.D MB : VL041602.D
01/13/2025	B2501005	Q1073-05	-4.3	10296	6 L	10514		C2409001	VL041612.D Seq :vl091824 TUNE : VL041600.D ICAL : VL041597.D CCAL : VL041601.D MB : VL041602.D

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041397.D
Acq On : 25 Jul 2024 12:29
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Jul 26 07:31:14 2024



AutoFind: Scans 3472, 3473, 3474; Background Corrected with Scan 3447

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	25.1	226560	PASS
75	95	30	66	57.2	517099	PASS
95	95	100	100	100.0	904149	PASS
96	95	5	9	6.8	61827	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	69.5	628715	PASS
175	174	4	9	7.9	49563	PASS
176	174	93	101	97.4	612373	PASS
177	176	5	9	6.5	39536	PASS

Average of 13.767 to 13.773 min.: VL041397.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	8938	46.20	747	56.00	16676	65.05	551
37.05	55184	47.05	9213	57.05	31064	65.80	81
38.00	47675	48.00	5580	57.90	369	66.30	10
39.00	20752	49.05	43096	58.10	1087	66.90	288
40.05	1048	50.00	226560	59.15	203	68.00	111861
41.00	138	51.05	66029	60.05	8699	69.00	110240
42.60	79	52.05	3388	61.00	46269	70.00	8026
43.00	328	52.80	214	62.00	50419	71.00	223
43.95	7790	53.30	58	63.05	38069	72.00	5052
45.05	10433	54.20	58	64.05	3478	73.00	42536
45.85	541	55.00	2439	64.80	240	74.00	171456

Average of 13.767 to 13.773 min.: VL041397.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
75.00	517099	87.00	32264	102.80	91	111.80	547
76.00	42749	87.95	30379	103.10	218	112.00	141
76.95	4771	91.00	3867	103.90	3349	112.70	384
77.95	2880	92.00	26149	104.90	1227	112.90	196
78.90	29461	93.00	42979	105.80	1264	113.10	362
79.95	9176	94.00	112992	106.00	2940	113.80	59
80.95	29333	95.00	904149	106.75	574	114.05	127
81.90	5623	96.05	61827	107.05	687	114.60	138
83.05	1031	96.95	1813	107.90	66	114.95	806
84.20	64	102.10	66	109.80	728	115.85	2516
85.85	912	102.50	68	110.85	786	116.95	5823

Average of 13.767 to 13.773 min.: VL041397.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
117.95	3451	127.00	452	136.90	1559	144.60	239
118.85	4375	127.95	2876	138.85	234	144.85	493
119.95	282	128.90	1703	139.10	68	145.10	546
121.70	129	129.85	3746	139.60	225	145.95	1224
122.95	288	130.80	427	139.80	304	146.70	187
123.70	104	130.95	691	140.10	626	147.05	598
124.05	549	132.20	91	140.95	8524	147.85	2732
124.70	240	133.50	69	141.95	1362	148.65	388
125.50	164	134.95	1826	143.00	9411	149.05	445
126.00	241	135.60	142	143.80	496	149.60	257
126.70	122	136.00	66	144.10	250	149.85	681

Average of 13.767 to 13.773 min.: VL041397.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
150.90	76	157.90	234	170.15	220	190.10	76
152.05	986	158.90	1386	170.90	340	196.10	56
152.70	159	160.60	208	171.20	248	256.20	100
152.95	643	161.00	1037	171.80	759		
153.80	503	164.10	70	172.05	974		
154.10	102	165.30	83	174.00	628715		
154.90	627	166.00	133	175.00	49563		
155.05	1691	167.30	75	176.00	612373		
155.85	163	168.10	83	177.00	39536		
156.80	419	168.55	131	177.85	738		
157.10	1211	169.20	88	178.10	340		

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041398.D
 Acq On : 25 Jul 2024 13:19
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:07:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Jul 26 05:07:02 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1163290	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3245422	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3043708	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2357044 10.071 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.709	85	109541	0.539	ppbv	98
3) Chlorodifluoromethane	2.655	51	75741	0.549	ppbv	100
4) Chloromethane	2.793	50	39649	0.546	ppbv	96
5) Vinyl Chloride	2.906	62	36538	0.508	ppbv #	87
6) Bromomethane	3.102	94	19255	0.523	ppbv	93
7) Chloroethane	3.179	64	13984	0.572	ppbv	92
8) Dichlorotetrafluoroethane	2.838	85	92652	0.521	ppbv	93
9) Propene	2.671	41	33491	0.523	ppbv	98
10) Heptane	7.568	43	66249	0.465	ppbv	97
11) Trichlorofluoromethane	3.545	101	94267	0.536	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.050	101	67103	0.527	ppbv	99
13) Ethanol	3.237	45	2541m	0.454	ppbv	
14) Bromoethene	3.346	108	24275	0.495	ppbv #	90
15) Acetone	3.462	43	75165	0.574	ppbv	100
16) 1,3-Butadiene	2.963	39	35196m	0.505	ppbv	
17) tert-Butyl alcohol	3.870	59	59997	0.504	ppbv	99
18) 1,1-Dichloroethene	3.864	96	26744	0.484	ppbv	90
19) Isopropyl Alcohol	3.568	45	41335m	0.559	ppbv	
20) Methylene Chloride	3.915	84	29173	0.603	ppbv #	93
21) Allyl Chloride	3.979	41	41531	0.483	ppbv	94
22) trans-1,2-Dichloroethene	4.433	96	26864	0.500	ppbv	93
23) Vinyl Acetate	4.616	43	45209	0.444	ppbv #	97
24) 1,1-Dichloroethane	4.545	63	62999	0.542	ppbv #	97
25) Ethyl Acetate	5.195	43	126641	0.485	ppbv	99
26) Hexane	5.192	57	52190	0.475	ppbv	91
27) Carbon Disulfide	4.111	76	61342	0.489	ppbv #	93
28) Methyl tert-Butyl Ether	4.581	73	32882	0.475	ppbv	95
29) Chloroform	5.256	83	90359	0.503	ppbv	99
30) Cyclohexane	6.594	84	35035	0.389	ppbv #	88
31) cis-1,2-Dichloroethene	5.063	61	51136	0.472	ppbv #	87
32) 1,1,1-Trichloroethane	5.989	97	87155	0.508	ppbv	97
34) 2-Butanone	4.787	43	75522m	0.481	ppbv	
35) Carbon Tetrachloride	6.478	117	88027	0.495	ppbv	86
36) Benzene	6.356	78	112067	0.470	ppbv	95
37) 1,2-Dichloroethane	5.793	62	66949	0.507	ppbv	98
38) Trichloroethene	7.282	130	52825	0.488	ppbv	98
39) 1,2-Dichloropropane	7.060	63	43368	0.473	ppbv	95
40) 1,4-Dioxane	7.304	88	21057m	0.633	ppbv	
41) Tetrahydrofuran	5.568	42	36699	0.403	ppbv	98
42) Bromodichloromethane	7.237	83	92906	0.486	ppbv	98
43) Methyl Methacrylate	7.465	69	33258	0.386	ppbv	91
44) 2,2,4-Trimethylpentane	7.314	57	189569	0.479	ppbv	94
45) t-1,3-Dichloropropene	8.700	75	26864m	0.341	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041398.D
 Acq On : 25 Jul 2024 13:19
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:07:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Fri Jul 26 05:07:02 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	43823m	0.384	ppbv	
47) 1,1,2-Trichloroethane	8.886	97	50232	0.505	ppbv	95
48) Dibromochloromethane	9.700	129	72480	0.452	ppbv	100
49) Bromoform	12.400	173	57383	0.423	ppbv	95
50) 4-Methyl-2-Pentanone	8.185	43	104559m	0.417	ppbv	
51) 2-Hexanone	9.558	43	64659	0.338	ppbv #	97
52) Tetrachloroethene	10.600	164	44583	0.486	ppbv	92
53) Toluene	9.211	91	110057	0.411	ppbv	98
54) 1,2-Dibromoethane	10.002	107	61242	0.455	ppbv	89
56) 1,1,1,2-Tetrachloroethane	11.497	131	61039	0.519	ppbv #	1
57) Chlorobenzene	11.516	112	113739	0.524	ppbv	94
58) Ethyl Benzene	12.079	91	156513	0.441	ppbv	96
59) m/p-Xylene	12.365	91	284326m	0.936	ppbv	
60) o-Xylene	13.050	91	128195	0.440	ppbv	99
61) Styrene	12.889	104	47561	0.362	ppbv	94
62) Isopropylbenzene	14.018	105	213603m	0.492	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	95214	0.526	ppbv	97
64) n-propylbenzene	14.915	120	53748m	0.473	ppbv	
65) tert-Butylbenzene	16.082	119	187031m	0.476	ppbv	
66) Benzyl Chloride	16.323	91	10564m	0.422	ppbv	
67) sec-Butylbenzene	16.632	105	249741	0.458	ppbv	99
69) p-Isopropyltoluene	16.992	119	197625	0.434	ppbv	96
70) n-Butylbenzene	17.886	91	204999	0.443	ppbv	98
71) 2-Chlorotoluene	14.796	91	150717	0.465	ppbv	100
72) 4-Ethyltoluene	15.188	105	148551	0.441	ppbv	97
73) 1,3,5-Trimethylbenzene	15.346	105	126480	0.429	ppbv	92
74) 1,2,4-Trimethylbenzene	16.098	105	157396m	0.463	ppbv	
75) 1,3-Dichlorobenzene	16.326	146	100938	0.476	ppbv	94
76) 1,4-Dichlorobenzene	16.468	146	102368m	0.492	ppbv	
77) 1,2-Dichlorobenzene	17.143	146	105386m	0.503	ppbv	
78) Hexachloro-1,3-Butadiene	22.631	225	94555m	0.520	ppbv	
79) Naphthalene	21.387	128	123028m	0.412	ppbv	
80) Naphthalene,2-methyl-	24.374	142	75989	0.313	ppbv	93
81) 1,2,4-Trichlorobenzene	21.143	180	76641m	0.428	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041399.D
 Acq On : 25 Jul 2024 13:59
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Jul 26 05:05:14 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Jul 26 04:51:44 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1227171	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3353351	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3260833m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2550034 10.170 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1748662	8.150	ppbv	100
3) Chlorodifluoromethane	2.652	51	1312868	9.025	ppbv	100
4) Chloromethane	2.790	50	692256	9.024	ppbv	99
5) Vinyl Chloride	2.899	62	699389	9.214	ppbv	100
6) Bromomethane	3.099	94	361665	9.227	ppbv	100
7) Chloroethane	3.176	64	248340	9.630	ppbv	100
8) Dichlorotetrafluoroethane	2.835	85	1694634	9.039	ppbv	100
9) Propene	2.671	41	600396	8.889	ppbv	100
10) Heptane	7.568	43	1472225	9.801	ppbv	99
11) Trichlorofluoromethane	3.542	101	1696907	9.145	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.047	101	1226328	9.136	ppbv	100
13) Ethanol	3.224	45	43077m	7.073	ppbv	
14) Bromoethene	3.346	108	505960	9.786	ppbv	100
15) Acetone	3.446	43	1222864	8.859	ppbv	100
16) 1,3-Butadiene	2.964	39	681843	9.269	ppbv	100
17) tert-Butyl alcohol	3.861	59	1291681	10.276	ppbv	100
18) 1,1-Dichloroethene	3.861	96	558470	9.575	ppbv	100
19) Isopropyl Alcohol	3.555	45	792740	10.155	ppbv	100
20) Methylene Chloride	3.915	84	455611	8.929	ppbv	100
21) Allyl Chloride	3.980	41	890718	9.827	ppbv	100
22) trans-1,2-Dichloroethene	4.430	96	549902	9.711	ppbv	100
23) Vinyl Acetate	4.610	43	1085315	10.104	ppbv	100
24) 1,1-Dichloroethane	4.549	63	1154644	9.415	ppbv	100
25) Ethyl Acetate	5.189	43	2597295	9.430	ppbv	100
26) Hexane	5.198	57	1090849	9.420	ppbv	100
27) Carbon Disulfide	4.105	76	1375021	10.384	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	681033	9.329	ppbv	100
29) Chloroform	5.259	83	1735318	9.163	ppbv	100
30) Cyclohexane	6.590	84	937363	9.878	ppbv	100
31) cis-1,2-Dichloroethene	5.063	61	1091838	9.548	ppbv	100
32) 1,1,1-Trichloroethane	5.989	97	1715896	9.483	ppbv	100
34) 2-Butanone	4.771	43	1567685	9.654	ppbv	100
35) Carbon Tetrachloride	6.484	117	1836059	9.983	ppbv	100
36) Benzene	6.359	78	2363293	9.591	ppbv	100
37) 1,2-Dichloroethane	5.796	62	1317693	9.664	ppbv	99
38) Trichloroethene	7.282	130	1074518	9.605	ppbv	100
39) 1,2-Dichloropropane	7.063	63	891517	9.403	ppbv	100
40) 1,4-Dioxane	7.275	88	384473	11.177	ppbv	100
41) Tetrahydrofuran	5.542	42	931064	9.892	ppbv	100
42) Bromodichloromethane	7.240	83	1932798	9.793	ppbv	100
43) Methyl Methacrylate	7.465	69	948521	10.646	ppbv	100
44) 2,2,4-Trimethylpentane	7.317	57	3907968	9.554	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	963383	11.835	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041399.D
 Acq On : 25 Jul 2024 13:59
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:05:14 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Jul 26 04:51:44 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1281640	10.855	ppbv	100
47) 1,1,2-Trichloroethane	8.893	97	987016	9.602	ppbv	100
48) Dibromochloromethane	9.706	129	1692234	10.224	ppbv	100
49) Bromoform	12.404	173	1496236	10.670	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	2603717	10.051	ppbv	100
51) 2-Hexanone	9.542	43	2141345	10.819	ppbv	100
52) Tetrachloroethene	10.613	164	907950	9.585	ppbv	100
53) Toluene	9.214	91	2779504	10.036	ppbv	100
54) 1,2-Dibromoethane	10.002	107	1438535	10.342	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.503	131	1213659	9.640	ppbv #	58
57) Chlorobenzene	11.523	112	2174265	9.343	ppbv	100
58) Ethyl Benzene	12.085	91	3752771	9.870	ppbv	100
59) m/p-Xylene	12.368	91	6382118m	19.609	ppbv	
60) o-Xylene	13.053	91	3036791	9.732	ppbv	100
61) Styrene	12.896	104	1513410	10.748	ppbv	100
62) Isopropylbenzene	14.024	105	4462038	9.595	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	1853886	9.567	ppbv	100
64) n-propylbenzene	14.912	120	1205437	9.895	ppbv	100
65) tert-Butylbenzene	16.085	119	4027165	9.564	ppbv	100
66) Benzyl Chloride	16.323	91	299511	11.162	ppbv	100
67) sec-Butylbenzene	16.635	105	5605419	9.602	ppbv	100
69) p-Isopropyltoluene	16.989	119	4737222	9.713	ppbv	100
70) n-Butylbenzene	17.883	91	4851380	9.796	ppbv	100
71) 2-Chlorotoluene	14.799	91	3368997	9.707	ppbv	100
72) 4-Ethyltoluene	15.188	105	3711228	10.293	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	3175291	10.049	ppbv	100
74) 1,2,4-Trimethylbenzene	16.105	105	3502689	9.621	ppbv	100
75) 1,3-Dichlorobenzene	16.330	146	2192883	9.642	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	2140459	9.596	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	2131506	9.501	ppbv	100
78) Hexachloro-1,3-Butadiene	22.628	225	1626038	8.347	ppbv	100
79) Naphthalene	21.381	128	3669460	11.481	ppbv	100
80) Naphthalene,2-methyl-	24.371	142	3235986	12.454	ppbv	100
81) 1,2,4-Trichlorobenzene	21.133	180	1912951	9.962	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041400.D
 Acq On : 25 Jul 2024 14:40
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 25 15:37:54 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1187869	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3361544	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3300753	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2521024 10.190 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	505198	2.492	ppbv	99
3) Chlorodifluoromethane	2.652	51	300375	1.467	ppbv	99
4) Chloromethane	2.793	50	163139	2.084	ppbv	96
5) Vinyl Chloride	2.899	62	155185	1.835	ppbv	99
6) Bromomethane	3.102	94	79103	2.956	ppbv	98
7) Chloroethane	3.176	64	53717	1.922	ppbv	94
8) Dichlorotetrafluoroethane	2.835	85	399415	2.027	ppbv	100
9) Propene	2.671	41	139773	1.972	ppbv	99
10) Heptane	7.568	43	325614	1.956	ppbv	100
11) Trichlorofluoromethane	3.546	101	388765	1.970	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.050	101	285420	2.064	ppbv	100
13) Ethanol	3.237	45	15410m	0.980	ppbv	
14) Bromoethene	3.346	108	111081	2.003	ppbv	93
15) Acetone	3.456	43	292550	1.865	ppbv	99
16) 1,3-Butadiene	2.967	39	157764	2.113	ppbv	99
17) tert-Butyl alcohol	3.861	59	234318	1.936	ppbv	99
18) 1,1-Dichloroethene	3.861	96	122348	2.013	ppbv	97
19) Isopropyl Alcohol	3.562	45	156947m	1.822	ppbv	
20) Methylene Chloride	3.915	84	105428	1.852	ppbv	98
21) Allyl Chloride	3.980	41	189033	1.998	ppbv	90
22) trans-1,2-Dichloroethene	4.427	96	122560	2.030	ppbv	90
23) Vinyl Acetate	4.613	43	223002	1.442	ppbv	# 98
24) 1,1-Dichloroethane	4.546	63	265124	1.977	ppbv	98
25) Ethyl Acetate	5.192	43	597999	2.070	ppbv	99
26) Hexane	5.198	57	250786	1.961	ppbv	98
27) Carbon Disulfide	4.108	76	275637	1.771	ppbv	94
28) Methyl tert-Butyl Ether	4.578	73	154942	1.633	ppbv	97
29) Chloroform	5.259	83	394045	1.997	ppbv	99
30) Cyclohexane	6.587	84	207896	2.040	ppbv	93
31) cis-1,2-Dichloroethene	5.063	61	242910	1.981	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	375703	1.814	ppbv	97
34) 2-Butanone	4.774	43	355170	2.002	ppbv	98
35) Carbon Tetrachloride	6.481	117	395969	1.784	ppbv	98
36) Benzene	6.359	78	532213	1.913	ppbv	97
37) 1,2-Dichloroethane	5.793	62	287587	1.802	ppbv	98
38) Trichloroethene	7.282	130	234513	1.935	ppbv	93
39) 1,2-Dichloropropane	7.060	63	203420	1.892	ppbv	96
40) 1,4-Dioxane	7.288	88	71274	2.068	ppbv	# 1
41) Tetrahydrofuran	5.552	42	207220	1.886	ppbv	99
42) Bromodichloromethane	7.237	83	418292	1.873	ppbv	98
43) Methyl Methacrylate	7.468	69	192639	1.843	ppbv	94
44) 2,2,4-Trimethylpentane	7.317	57	902570	1.909	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	166952	2.524	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041400.D
 Acq On : 25 Jul 2024 14:40
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 25 15:37:54 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	249911	2.810	ppbv	97
47) 1,1,2-Trichloroethane	8.889	97	224865	1.950	ppbv	94
48) Dibromochloromethane	9.703	129	353718	1.910	ppbv	100
49) Bromoform	12.401	173	305646	2.073	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	577958	2.029	ppbv	99
51) 2-Hexanone	9.555	43	430093	2.124	ppbv #	96
52) Tetrachloroethene	10.606	164	204374	1.829	ppbv	98
53) Toluene	9.214	91	597804	1.905	ppbv	100
54) 1,2-Dibromoethane	10.005	107	311374	2.182	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.503	131	272178	1.832	ppbv #	1
57) Chlorobenzene	11.520	112	500573	1.933	ppbv	96
58) Ethyl Benzene	12.082	91	833428	1.887	ppbv	96
59) m/p-Xylene	12.365	91	1430508m	3.743	ppbv	
60) o-Xylene	13.053	91	685320	1.900	ppbv	99
61) Styrene	12.896	104	308833	1.763	ppbv	99
62) Isopropylbenzene	14.027	105	1029899	1.850	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	428827	1.509	ppbv	98
64) n-propylbenzene	14.912	120	269236	1.852	ppbv	91
65) tert-Butylbenzene	16.085	119	956093	1.928	ppbv	100
66) Benzyl Chloride	16.326	91	52950m	1.625	ppbv	
67) sec-Butylbenzene	16.635	105	1331315	1.898	ppbv	99
69) p-Isopropyltoluene	16.992	119	1105164	1.908	ppbv	100
70) n-Butylbenzene	17.886	91	1142994	1.931	ppbv	99
71) 2-Chlorotoluene	14.799	91	762002	1.842	ppbv	99
72) 4-Ethyltoluene	15.188	105	811504	1.889	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	707827	1.925	ppbv	95
74) 1,2,4-Trimethylbenzene	16.105	105	817315	1.972	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	506675	2.061	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	472957	1.931	ppbv	97
77) 1,2-Dichlorobenzene	17.140	146	506084	2.019	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	438766	2.407	ppbv	98
79) Naphthalene	21.384	128	826782	3.710	ppbv	98
80) Naphthalene,2-methyl-	24.371	142	601537	1025.625	ppbv	99
81) 1,2,4-Trichlorobenzene	21.140	180	426225	3.095	ppbv	94

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041400.D
Acq On : 25 Jul 2024 14:40
Operator : SY/MD
Sample : VSTDIC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

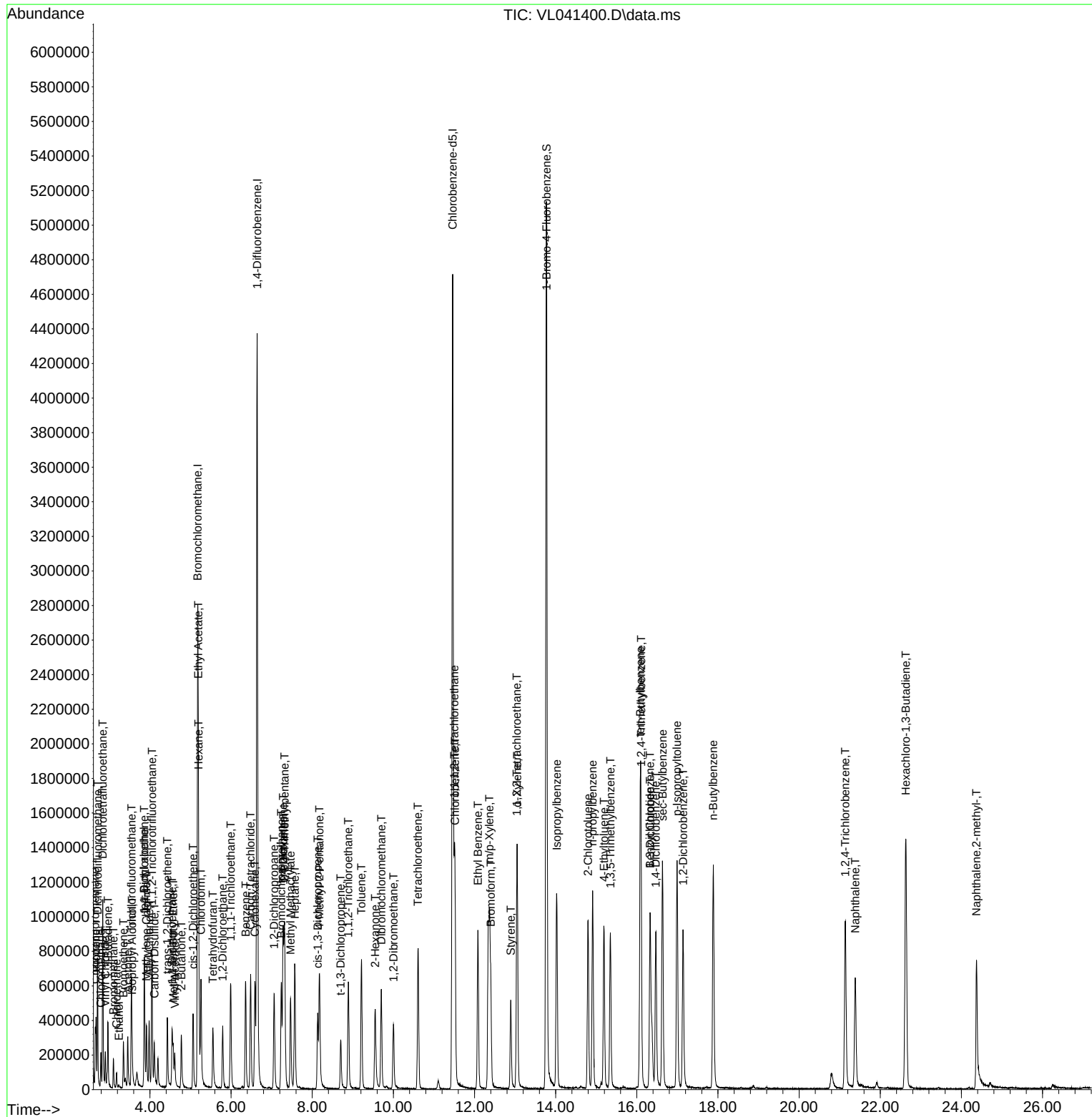
Quant Time: Jul 25 15:37:54 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041401.D
 Acq On : 25 Jul 2024 15:19
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:43:04 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1198624	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3342988	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	3161618	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.774 95 2414921 10.191 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	241964	1.183	ppbv	95
3) Chlorodifluoromethane	2.652	51	151299	0.732	ppbv	98
4) Chloromethane	2.793	50	82099	1.039	ppbv	96
5) Vinyl Chloride	2.899	62	79527	0.932	ppbv	98
6) Bromomethane	3.099	94	41204	1.526	ppbv	92
7) Chloroethane	3.179	64	25119	0.891	ppbv	92
8) Dichlorotetrafluoroethane	2.835	85	197281	0.992	ppbv	99
9) Propene	2.674	41	70203	0.982	ppbv	97
10) Heptane	7.568	43	148675	0.885	ppbv	96
11) Trichlorofluoromethane	3.542	101	196294	0.986	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.050	101	138368	0.992	ppbv	99
13) Ethanol	3.240	45	7925m	0.500	ppbv	
14) Bromoethene	3.350	108	51557	0.921	ppbv #	85
15) Acetone	3.456	43	142863	0.902	ppbv	97
16) 1,3-Butadiene	2.967	39	78187	1.038	ppbv	96
17) tert-Butyl alcohol	3.867	59	131833	1.080	ppbv	100
18) 1,1-Dichloroethene	3.861	96	57445	0.937	ppbv	99
19) Isopropyl Alcohol	3.568	45	80830	0.930	ppbv #	98
20) Methylene Chloride	3.912	84	51566	0.898	ppbv	96
21) Allyl Chloride	3.980	41	93864	0.983	ppbv	95
22) trans-1,2-Dichloroethene	4.433	96	57666	0.947	ppbv	91
23) Vinyl Acetate	4.613	43	104758	0.671	ppbv #	94
24) 1,1-Dichloroethane	4.546	63	125314	0.926	ppbv	100
25) Ethyl Acetate	5.195	43	285442	0.979	ppbv	98
26) Hexane	5.198	57	113990	0.883	ppbv	88
27) Carbon Disulfide	4.112	76	122266	0.779	ppbv	97
28) Methyl tert-Butyl Ether	4.575	73	76370	0.798	ppbv	99
29) Chloroform	5.259	83	193219	0.970	ppbv	91
30) Cyclohexane	6.594	84	95243m	0.926	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	112360	0.908	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	181889	0.870	ppbv	99
34) 2-Butanone	4.777	43	163975	0.930	ppbv	97
35) Carbon Tetrachloride	6.481	117	186609	0.845	ppbv	99
36) Benzene	6.356	78	259942	0.940	ppbv	95
37) 1,2-Dichloroethane	5.793	62	138981	0.875	ppbv	100
38) Trichloroethene	7.279	130	116586m	0.967	ppbv	
39) 1,2-Dichloropropane	7.063	63	98425m	0.921	ppbv	
40) 1,4-Dioxane	7.298	88	36813m	1.074	ppbv	
41) Tetrahydrofuran	5.558	42	97249	0.890	ppbv	98
42) Bromodichloromethane	7.240	83	204988	0.923	ppbv	99
43) Methyl Methacrylate	7.472	69	84268	0.811	ppbv	88
44) 2,2,4-Trimethylpentane	7.317	57	432528	0.920	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	67675	1.029	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041401.D
 Acq On : 25 Jul 2024 15:19
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:43:04 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	108779	1.230	ppbv	99
47) 1,1,2-Trichloroethane	8.889	97	104479	0.911	ppbv	97
48) Dibromochloromethane	9.703	129	168168	0.913	ppbv	97
49) Bromoform	12.404	173	133988	0.914	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	258275	0.912	ppbv	96
51) 2-Hexanone	9.558	43	190138	0.944	ppbv #	100
52) Tetrachloroethene	10.613	164	96753m	0.871	ppbv	
53) Toluene	9.211	91	284562	0.912	ppbv	98
54) 1,2-Dibromoethane	10.005	107	141838	0.999	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.504	131	126753	0.891	ppbv #	1
57) Chlorobenzene	11.520	112	240871	0.971	ppbv	95
58) Ethyl Benzene	12.086	91	388676	0.919	ppbv	98
59) m/p-Xylene	12.368	91	673526m	1.840	ppbv	
60) o-Xylene	13.053	91	320813	0.929	ppbv	99
61) Styrene	12.896	104	133924	0.798	ppbv	99
62) Isopropylbenzene	14.024	105	490658	0.920	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.047	83	202749	0.745	ppbv	98
64) n-propylbenzene	14.915	120	124102	0.891	ppbv	83
65) tert-Butylbenzene	16.085	119	446299	0.940	ppbv	99
66) Benzyl Chloride	16.326	91	24142m	0.774	ppbv	
67) sec-Butylbenzene	16.632	105	613358	0.913	ppbv	99
69) p-Isopropyltoluene	16.992	119	511080	0.921	ppbv	100
70) n-Butylbenzene	17.886	91	512783	0.904	ppbv	98
71) 2-Chlorotoluene	14.796	91	358079	0.904	ppbv	100
72) 4-Ethyltoluene	15.188	105	361470	0.878	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	312184	0.886	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	379183	0.955	ppbv #	91
75) 1,3-Dichlorobenzene	16.330	146	237337	1.008	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	224373	0.956	ppbv	98
77) 1,2-Dichlorobenzene	17.140	146	231111	0.963	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	215079	1.232	ppbv	99
79) Naphthalene	21.387	128	349592m	1.638	ppbv	
80) Naphthalene,2-methyl-	24.374	142	210840	375.304	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	191623	1.452	ppbv	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041403.D
 Acq On : 25 Jul 2024 16:42
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:44:42 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1207844	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3343894	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3087423	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2418801	10.453	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.500%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.899	62	6804	0.079	ppbv	94
32) 1,1,1-Trichloroethane	5.989	97	15825m	0.075	ppbv	
35) Carbon Tetrachloride	6.478	117	16719m	0.076	ppbv	
38) Trichloroethene	7.278	130	9639m	0.080	ppbv	
52) Tetrachloroethene	10.593	164	8679m	0.078	ppbv	
54) 1,2-Dibromoethane	9.995	107	11367m	0.080	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	17530m	0.066	ppbv	
79) Naphthalene	21.403	128	15122m	0.073	ppbv	

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

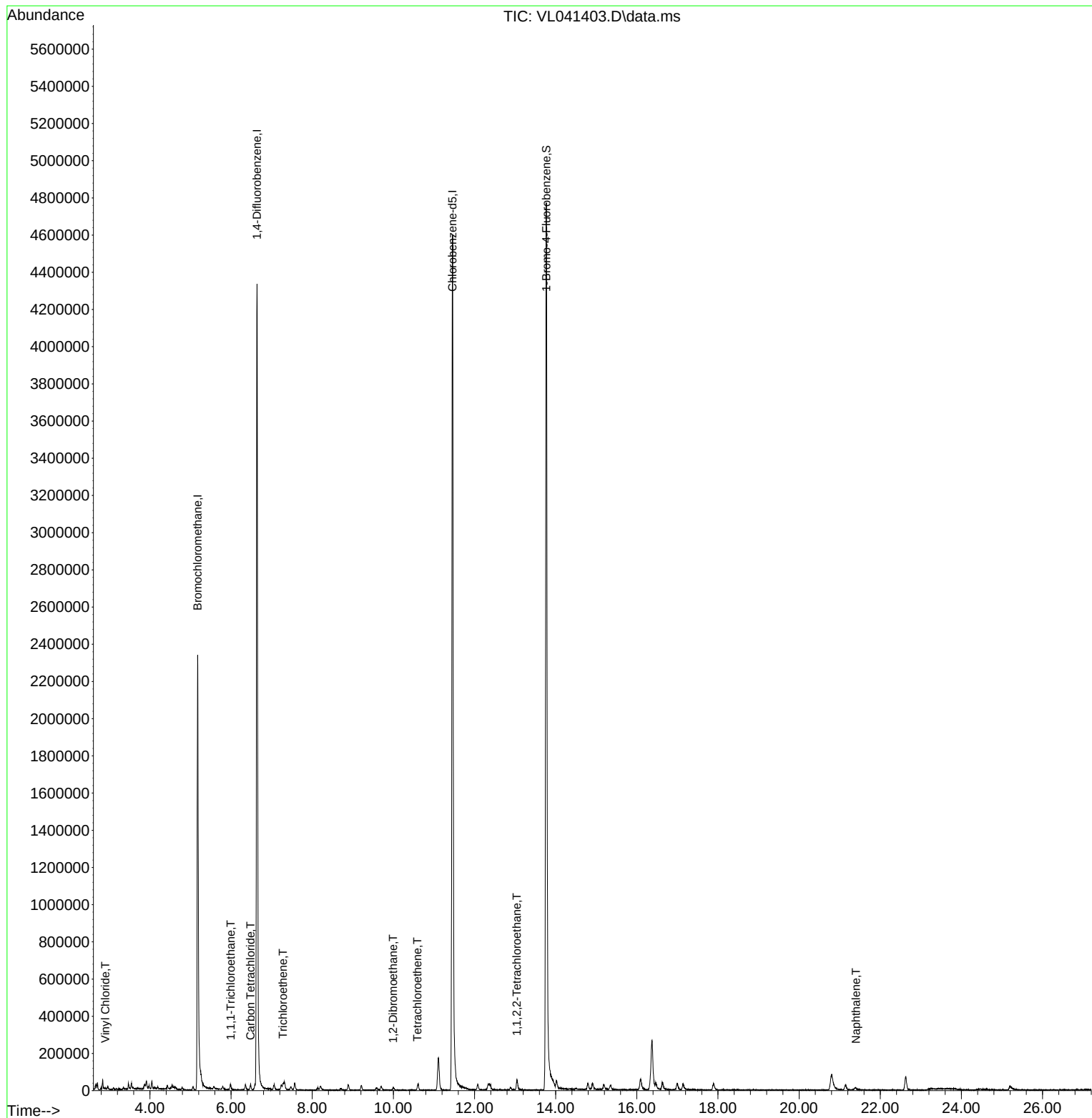
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041403.D
Acq On : 25 Jul 2024 16:42
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:44:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041404.D
 Acq On : 25 Jul 2024 17:24
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jul 25 14:31:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1173154	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3272729	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3056197	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2360153	10.303	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%
Target Compounds						
5) Vinyl Chloride	2.899	62	2531m	0.030	ppbv	Qvalue
32) 1,1,1-Trichloroethane	5.983	97	6029m	0.029	ppbv	
35) Carbon Tetrachloride	6.478	117	5730m	0.027	ppbv	
38) Trichloroethene	7.275	130	3872m	0.033	ppbv	
52) Tetrachloroethene	10.610	164	3020m	0.028	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.037	83	5269m	0.020	ppbv	

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

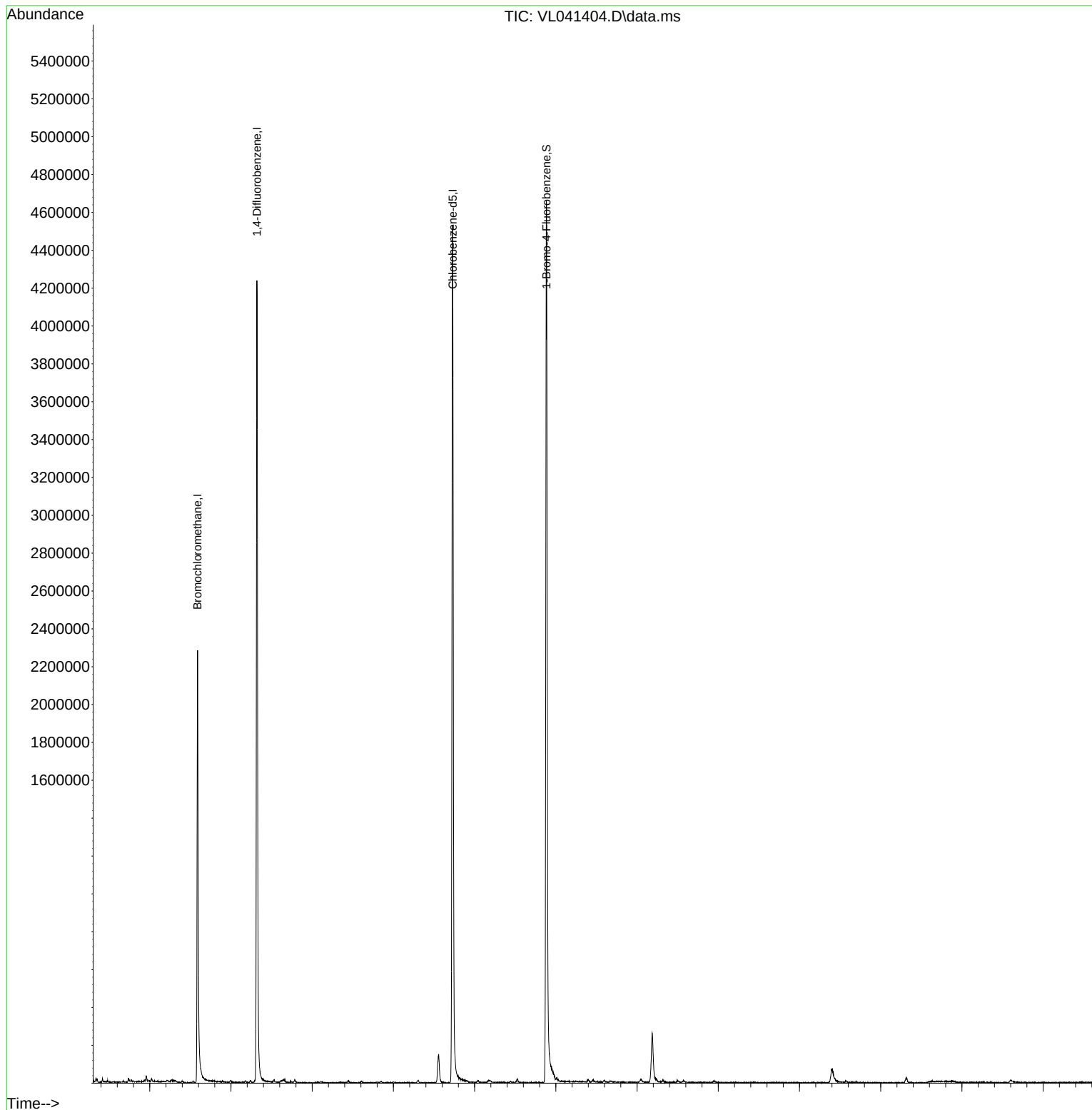
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041404.D
Acq On : 25 Jul 2024 17:24
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jul 26 02:45:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
Supervised By : Mahesh Dadoda 07/29/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041405.D
 Acq On : 25 Jul 2024 18:06
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:39 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.179	49	1211244	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3327019	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3365868	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2515088 9.970 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	2086477	10.095	ppbv	99
3) Chlorodifluoromethane	2.652	51	1914240	9.165	ppbv	100
4) Chloromethane	2.790	50	996482	12.485	ppbv	99
5) Vinyl Chloride	2.899	62	1038128	12.036	ppbv	98
6) Bromomethane	3.099	94	547488	20.067	ppbv	96
7) Chloroethane	3.176	64	360614	12.655	ppbv	95
8) Dichlorotetrafluoroethane	2.835	85	2399417	11.943	ppbv	99
9) Propene	2.671	41	899840	12.451	ppbv	98
10) Heptane	7.571	43	2169367	12.780	ppbv	99
11) Trichlorofluoromethane	3.542	101	2473823	12.296	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.047	101	1802452	12.784	ppbv	99
13) Ethanol	3.221	45	62897m	3.923	ppbv	
14) Bromoethene	3.346	108	757933	13.400	ppbv	98
15) Acetone	3.446	43	1760479	11.005	ppbv	99
16) 1,3-Butadiene	2.964	39	1014052	13.319	ppbv	99
17) tert-Butyl alcohol	3.857	59	1836705	14.883	ppbv	99
18) 1,1-Dichloroethene	3.861	96	806522	13.011	ppbv	100
19) Isopropyl Alcohol	3.555	45	1143994	13.027	ppbv	100
20) Methylene Chloride	3.915	84	675282	11.634	ppbv	99
21) Allyl Chloride	3.980	41	1284615	13.313	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	809963	13.156	ppbv	99
23) Vinyl Acetate	4.613	43	1570687	9.960	ppbv	98
24) 1,1-Dichloroethane	4.545	63	1677304	12.269	ppbv	99
25) Ethyl Acetate	5.189	43	3804371	12.915	ppbv	100
26) Hexane	5.198	57	1615258	12.384	ppbv	98
27) Carbon Disulfide	4.105	76	2038049	12.842	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	986442	10.196	ppbv	100
29) Chloroform	5.263	83	2540539	12.624	ppbv	99
30) Cyclohexane	6.590	84	1411237	13.581	ppbv	96
31) cis-1,2-Dichloroethene	5.063	61	1628471	13.023	ppbv	100
32) 1,1,1-Trichloroethane	5.989	97	2522136	11.940	ppbv	100
34) 2-Butanone	4.771	43	2330483	13.274	ppbv	99
35) Carbon Tetrachloride	6.481	117	2695636	12.269	ppbv	98
36) Benzene	6.359	78	3438269	12.487	ppbv	100
37) 1,2-Dichloroethane	5.793	62	1975307	12.503	ppbv	100
38) Trichloroethene	7.282	130	1582683	13.195	ppbv	98
39) 1,2-Dichloropropane	7.063	63	1340584	12.599	ppbv	96
40) 1,4-Dioxane	7.269	88	505735	14.825	ppbv	80
41) Tetrahydrofuran	5.542	42	1399340	12.868	ppbv	100
42) Bromodichloromethane	7.240	83	2836611	12.832	ppbv	99
43) Methyl Methacrylate	7.465	69	1415809	13.686	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	5650271	12.075	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	1508473	23.041	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041405.D
 Acq On : 25 Jul 2024 18:06
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:39 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1956016	22.219	ppbv	96
47) 1,1,2-Trichloroethane	8.893	97	1451859	12.721	ppbv	96
48) Dibromochloromethane	9.706	129	2512083	13.707	ppbv	100
49) Bromoform	12.404	173	2210280	15.143	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	3807510	13.505	ppbv	99
51) 2-Hexanone	9.542	43	3193628	15.936	ppbv	100
52) Tetrachloroethene	10.610	164	1349134	12.202	ppbv	98
53) Toluene	9.214	91	4102245	13.210	ppbv	99
54) 1,2-Dibromoethane	10.002	107	2140365	15.154	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.503	131	1780102	11.753	ppbv #	58
57) Chlorobenzene	11.523	112	3158639	11.963	ppbv	98
58) Ethyl Benzene	12.082	91	5512808	12.242	ppbv	99
59) m/p-Xylene	12.365	91	9224976m	23.671	ppbv	
60) o-Xylene	13.053	91	4441698	12.076	ppbv	100
61) Styrene	12.892	104	2297760	12.864	ppbv	99
62) Isopropylbenzene	14.027	105	6413793	11.295	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	2691069	9.287	ppbv	99
64) n-propylbenzene	14.915	120	1752978	11.826	ppbv	100
65) tert-Butylbenzene	16.088	119	5746630	11.366	ppbv	99
66) Benzyl Chloride	16.323	91	487926	14.686	ppbv	99
67) sec-Butylbenzene	16.632	105	8009840	11.201	ppbv	98
69) p-Isopropyltoluene	16.992	119	6796381	11.508	ppbv	99
70) n-Butylbenzene	17.883	91	6996243	11.589	ppbv	98
71) 2-Chlorotoluene	14.796	91	4875167	11.557	ppbv	98
72) 4-Ethyltoluene	15.188	105	5320289	12.144	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	4587750	12.234	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	5066348	11.990	ppbv	97
75) 1,3-Dichlorobenzene	16.330	146	3202871	12.778	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	3142958	12.585	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	3101661	12.137	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	2444092	13.150	ppbv	99
79) Naphthalene	21.381	128	5532989	24.347	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	5230189	8744.993	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	2891669	20.588	ppbv	99

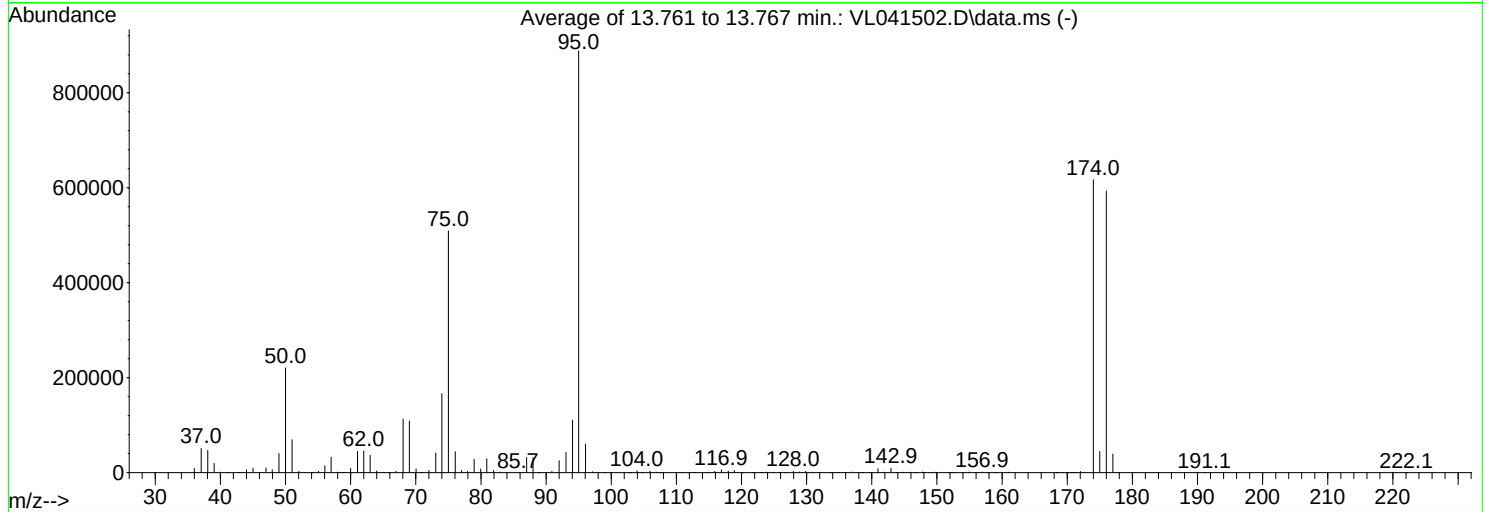
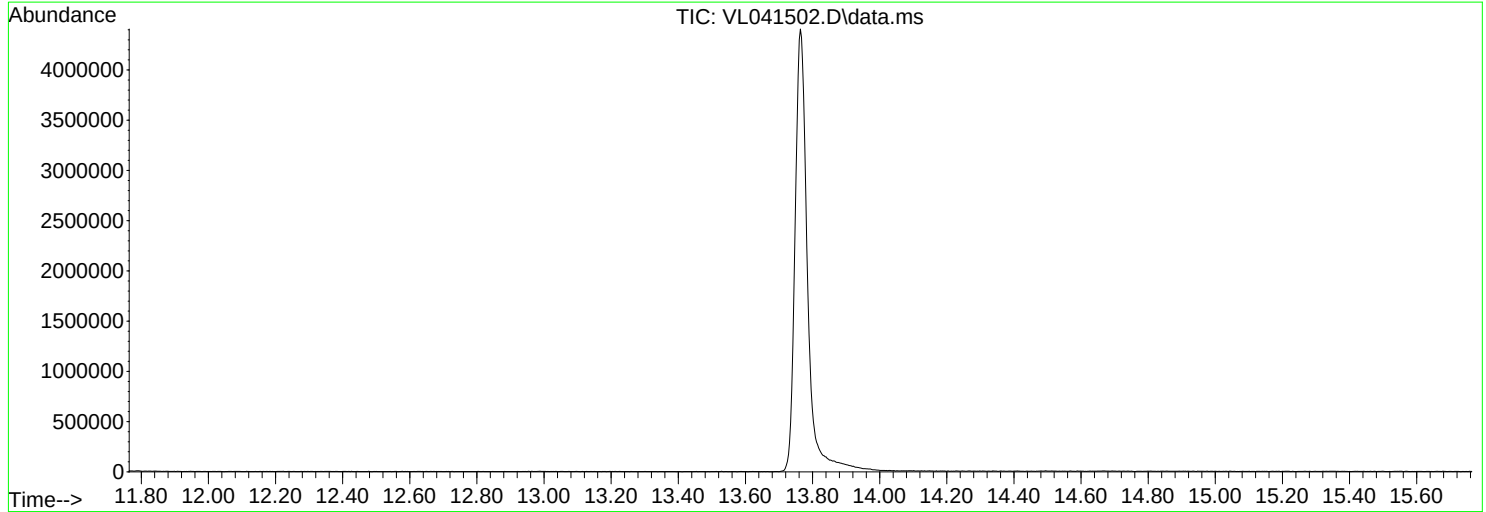
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
Data File : VL041502.D
Acq On : 8 Aug 2024 7:31
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Tue Aug 06 01:32:58 2024



AutoFind: Scans 3470, 3471, 3472; Background Corrected with Scan 3447

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	24.8	220352	PASS
75	95	30	66	57.3	509397	PASS
95	95	100	100	100.0	888405	PASS
96	95	5	9	6.8	60357	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	69.4	616853	PASS
175	174	4	9	7.3	44741	PASS
176	174	93	101	96.2	593237	PASS
177	176	5	9	6.6	39235	PASS

Average of 13.761 to 13.767 min.: VL041502.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	9187	47.00	10020	58.00	864	66.95	3061
37.05	51341	47.95	5988	58.25	764	68.05	11306
38.05	47011	49.00	40131	58.80	71	69.00	10839
39.05	19617	50.00	220352	60.00	8825	70.05	8041
40.05	867	51.00	69389	61.05	44901	70.80	76
41.15	187	52.05	2902	62.00	45475	71.05	389
42.80	256	53.05	249	63.00	36861	72.00	4729
43.00	218	54.00	100	64.00	3653	73.05	41365
44.00	5878	55.05	2810	64.95	1097	74.00	166464
45.00	9862	56.05	14647	65.20	216	75.00	509397
46.10	353	57.00	32467	65.85	121	76.05	44301

Average of 13.761 to 13.767 min.: VL041502.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
77.05	4978	88.80	145	103.95	3874	112.70	200
77.95	2848	90.90	2697	104.70	305	112.95	454
78.95	27891	92.00	25139	104.95	826	114.75	415
79.95	7726	93.05	42613	105.95	3442	115.00	193
80.90	29264	94.05	110955	106.90	1193	115.90	2969
81.95	4960	95.00	888405	107.50	121	116.90	6008
83.00	900	96.05	60357	110.00	485	117.95	3263
85.70	605	97.10	1957	110.80	330	118.90	4836
86.05	511	99.00	53	111.05	754	120.10	69
87.00	31656	102.70	68	111.85	426	121.70	180
88.00	31848	103.00	165	112.10	279	122.00	94

Average of 13.761 to 13.767 min.: VL041502.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
122.90	248	131.10	608	140.95	8554	149.15	380
123.10	128	132.00	246	141.90	1052	149.85	1016
123.80	898	133.70	60	142.95	9188	151.80	144
124.90	366	134.25	283	143.85	749	152.30	104
125.80	235	134.70	593	144.90	990	152.80	259
126.00	112	135.00	860	145.85	1095	153.00	697
126.70	148	136.00	294	146.60	110	153.85	368
127.95	2863	136.90	1483	146.95	354	154.05	305
128.95	1802	138.55	155	147.80	1482	154.80	593
129.85	2821	139.70	92	148.10	204	155.00	1310
130.85	968	139.95	543	148.75	271	155.90	219

Average of 13.761 to 13.767 min.: VL041502.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.30	208	170.15	185	191.10	57		
156.95	1434	170.60	188	222.10	50		
157.80	146	171.00	121				
158.00	316	171.30	228				
158.90	613	172.05	2416				
159.10	398	174.00	616853				
161.00	901	175.00	44741				
168.30	129	176.00	593237				
168.60	94	177.00	39235				
169.20	158	177.90	264				
169.80	71	178.05	579				

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041503.D
 Acq On : 8 Aug 2024 8:10
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/09/2024
 Supervised By : Mahesh Dadoda 08/09/2024

Quant Time: Aug 09 05:39:51 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 9 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.179	49	994274	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2716113	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2735202	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2064714 9.809 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	1205570	7.048	ppbv	100
3) Chlorodifluoromethane	2.655	51	1218812	10.297	ppbv	99
4) Chloromethane	2.793	50	654494	10.396	ppbv	98
5) Vinyl Chloride	2.903	62	657002	10.588	ppbv	100
6) Bromomethane	3.102	94	347002	10.880	ppbv	97
7) Chloroethane	3.179	64	222634	10.396	ppbv	98
8) Dichlorotetrafluoroethane	2.838	85	1535212	10.129	ppbv	99
9) Propene	2.674	41	552374	10.159	ppbv	99
10) Heptane	7.568	43	1367534	11.194	ppbv	100
11) Trichlorofluoromethane	3.546	101	1537424	10.121	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.050	101	1117174	10.213	ppbv	99
13) Ethanol	3.227	45	43164m	8.882	ppbv	
14) Bromoethene	3.349	108	448512	10.517	ppbv	99
15) Acetone	3.449	43	1157230	10.244	ppbv	100
16) 1,3-Butadiene	2.967	39	648992	10.753	ppbv	99
17) tert-Butyl alcohol	3.861	59	1149112	11.153	ppbv	99
18) 1,1-Dichloroethene	3.864	96	510290	10.906	ppbv	100
19) Isopropyl Alcohol	3.555	45	702963	10.644	ppbv #	97
20) Methylene Chloride	3.915	84	421098	9.996	ppbv	96
21) Allyl Chloride	3.980	41	810028	10.933	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	501480	10.719	ppbv	98
23) Vinyl Acetate	4.613	43	1027820	11.913	ppbv #	99
24) 1,1-Dichloroethane	4.549	63	1071411	10.547	ppbv	100
25) Ethyl Acetate	5.189	43	2422469	10.794	ppbv	100
26) Hexane	5.198	57	1003885	10.783	ppbv	99
27) Carbon Disulfide	4.108	76	1219858	11.200	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	624314	10.633	ppbv	100
29) Chloroform	5.259	83	1584043	10.431	ppbv	96
30) Cyclohexane	6.590	84	860023	11.344	ppbv	100
31) cis-1,2-Dichloroethene	5.063	61	991208	10.777	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	1561971	10.567	ppbv	99
34) 2-Butanone	4.771	43	1433865	10.913	ppbv	99
35) Carbon Tetrachloride	6.478	117	1642158	10.962	ppbv	99
36) Benzene	6.359	78	2160436	10.886	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1212174	10.913	ppbv	100
38) Trichloroethene	7.282	130	973395	10.706	ppbv	98
39) 1,2-Dichloropropane	7.063	63	831710	10.946	ppbv	97
40) 1,4-Dioxane	7.272	88	351210	11.506	ppbv	96
41) Tetrahydrofuran	5.542	42	882484	11.744	ppbv	98
42) Bromodichloromethane	7.240	83	1760010	10.973	ppbv	99
43) Methyl Methacrylate	7.462	69	859947	12.083	ppbv	97
44) 2,2,4-Trimethylpentane	7.317	57	3637662	10.974	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	870364	13.287	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041503.D
 Acq On : 8 Aug 2024 8:10
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/09/2024
 Supervised By : Mahesh Dadoda 08/09/2024

Quant Time: Aug 09 05:39:51 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 9 18:23:48 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	1170745	12.377	ppbv	97
47) 1,1,2-Trichloroethane	8.893	97	906083	10.818	ppbv	97
48) Dibromochloromethane	9.703	129	1512424	11.209	ppbv	99
49) Bromoform	12.397	173	1335513	11.718	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2427866	11.712	ppbv	100
51) 2-Hexanone	9.536	43	1971025	12.575	ppbv #	99
52) Tetrachloroethene	10.610	164	829107	10.812	ppbv	97
53) Toluene	9.211	91	2538680	11.484	ppbv	100
54) 1,2-Dibromoethane	9.999	107	1309379	11.745	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	1094554	10.319	ppbv #	57
57) Chlorobenzene	11.516	112	1979363	10.164	ppbv	98
58) Ethyl Benzene	12.079	91	3440262	10.912	ppbv	98
59) m/p-Xylene	12.362	91	5837461m	21.449	ppbv	
60) o-Xylene	13.050	91	2788147	10.830	ppbv	100
61) Styrene	12.889	104	1365378	11.756	ppbv	99
62) Isopropylbenzene	14.018	105	4085330	10.439	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	1720583	10.584	ppbv	100
64) n-propylbenzene	14.908	120	1093524	10.687	ppbv	95
65) tert-Butylbenzene	16.079	119	3674350	10.394	ppbv	100
66) Benzyl Chloride	16.320	91	282565	12.462	ppbv	100
67) sec-Butylbenzene	16.625	105	5141403	10.556	ppbv	100
69) p-Isopropyltoluene	16.986	119	4317703	10.683	ppbv	100
70) n-Butylbenzene	17.873	91	4449977	10.740	ppbv	100
71) 2-Chlorotoluene	14.790	91	3074343	10.652	ppbv	99
72) 4-Ethyltoluene	15.185	105	3346091	11.040	ppbv	100
73) 1,3,5-Trimethylbenzene	15.339	105	2877672	11.021	ppbv	99
74) 1,2,4-Trimethylbenzene	16.098	105	3193140	10.519	ppbv	100
75) 1,3-Dichlorobenzene	16.317	146	1998644	10.474	ppbv	100
76) 1,4-Dichlorobenzene	16.465	146	1949765	10.552	ppbv	100
77) 1,2-Dichlorobenzene	17.130	146	1933641	10.222	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1474762	9.142	ppbv	100
79) Naphthalene	21.371	128	3286851	12.267	ppbv	100
80) Naphthalene,2-methyl-	24.361	142	2805169	12.490	ppbv	96
81) 1,2,4-Trichlorobenzene	21.127	180	1726526	10.828	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041504.D
 Acq On : 8 Aug 2024 8:59
 Operator : SY/MD
 Sample : VL0808ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0808ABL01

Quant Time: Aug 09 05:51:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1125277	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.639	114	3113770	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2845978	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2132862	9.738	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%

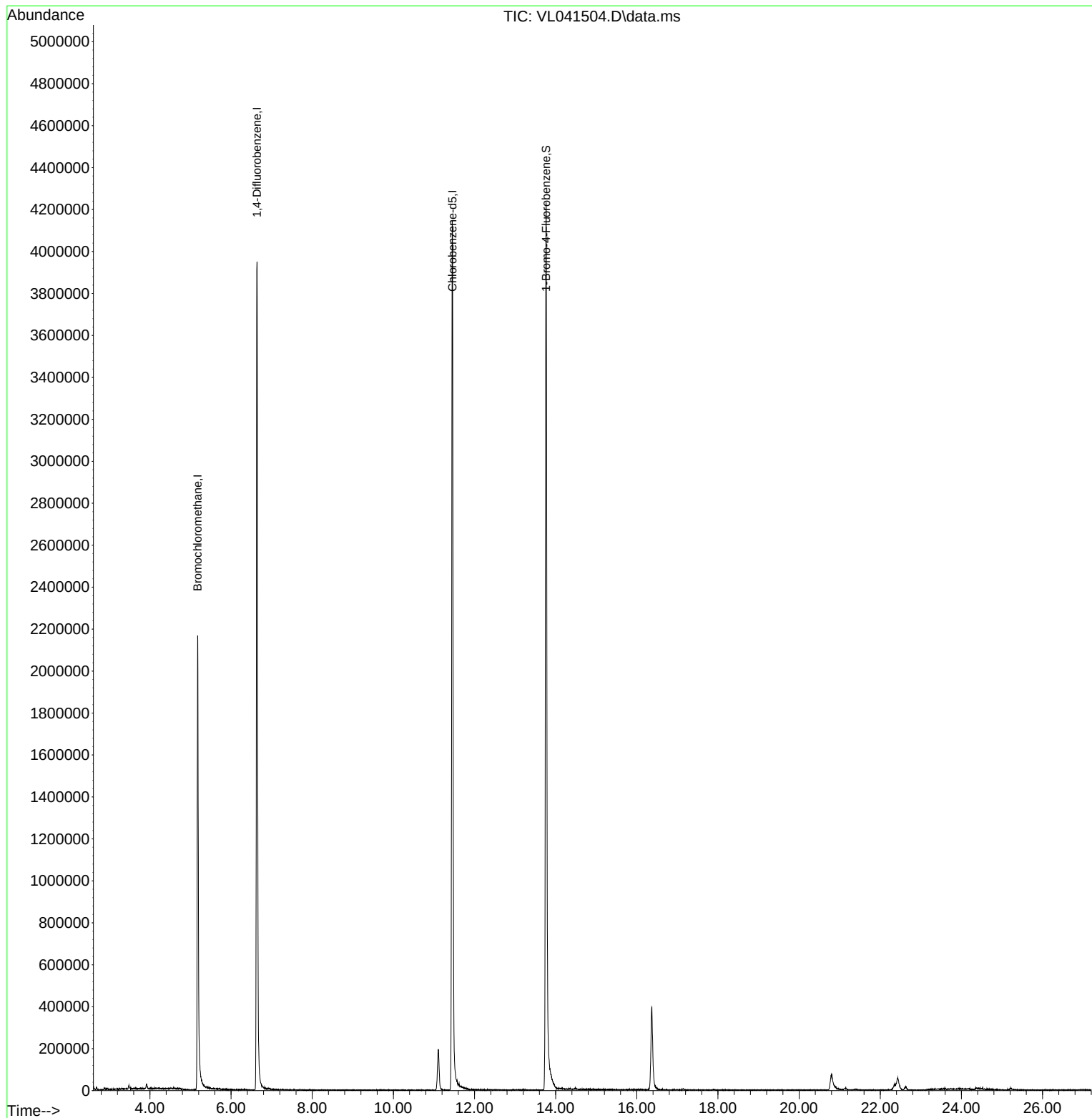
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
Data File : VL041504.D
Acq On : 8 Aug 2024 8:59
Operator : SY/MD
Sample : VL0808ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0808ABL01

Quant Time: Aug 09 05:51:45 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041505.D
 Acq On : 8 Aug 2024 9:39
 Operator : SY/MD
 Sample : VL0808ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0808ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024
 Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 09 05:52:05 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 9

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.179	49	1036737	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2818389	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2683034m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2015008 9.759 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	1963731	11.010	ppbv	99
3) Chlorodifluoromethane	2.658	51	1212326	9.823	ppbv	100
4) Chloromethane	2.796	50	644382	9.816	ppbv	98
5) Vinyl Chloride	2.903	62	657040	10.155	ppbv	98
6) Bromomethane	3.102	94	339523	10.210	ppbv	99
7) Chloroethane	3.179	64	225482	10.098	ppbv	97
8) Dichlorotetrafluoroethane	2.838	85	1585053	10.030	ppbv	97
9) Propene	2.677	41	537992	9.489	ppbv	99
10) Heptane	7.568	43	1358204	10.662	ppbv	100
11) Trichlorofluoromethane	3.546	101	1546989	9.767	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.050	101	1124528	9.859	ppbv	100
13) Ethanol	3.227	45	37266m	7.354	ppbv	
14) Bromoethene	3.349	108	450359	10.128	ppbv	99
15) Acetone	3.449	43	1153082	9.789	ppbv	100
16) 1,3-Butadiene	2.967	39	640049	10.170	ppbv	99
17) tert-Butyl alcohol	3.861	59	1088370	10.131	ppbv	100
18) 1,1-Dichloroethene	3.864	96	507629	10.404	ppbv	97
19) Isopropyl Alcohol	3.558	45	649416	9.430	ppbv	99
20) Methylene Chloride	3.919	84	427017	9.721	ppbv	98
21) Allyl Chloride	3.980	41	810265	10.489	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	509292	10.440	ppbv	94
23) Vinyl Acetate	4.610	43	986430	10.965	ppbv	99
24) 1,1-Dichloroethane	4.549	63	1080436	10.200	ppbv	100
25) Ethyl Acetate	5.189	43	2438160	10.419	ppbv	99
26) Hexane	5.198	57	1007382	10.377	ppbv	99
27) Carbon Disulfide	4.108	76	1202786	10.591	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	606713	9.910	ppbv	99
29) Chloroform	5.259	83	1581303	9.987	ppbv	97
30) Cyclohexane	6.587	84	862757	10.914	ppbv	99
31) cis-1,2-Dichloroethene	5.063	61	990545	10.329	ppbv	98
32) 1,1,1-Trichloroethane	5.989	97	1549649	10.054	ppbv	100
34) 2-Butanone	4.771	43	1429326	10.484	ppbv	100
35) Carbon Tetrachloride	6.481	117	1616273	10.397	ppbv	99
36) Benzene	6.356	78	2135056	10.367	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1194493	10.363	ppbv	100
38) Trichloroethene	7.282	130	997228	10.570	ppbv	98
39) 1,2-Dichloropropane	7.060	63	829487	10.521	ppbv	99
40) 1,4-Dioxane	7.279	88	298472	9.424	ppbv	63
41) Tetrahydrofuran	5.539	42	871664	11.179	ppbv	98
42) Bromodichloromethane	7.237	83	1721893	10.346	ppbv	100
43) Methyl Methacrylate	7.462	69	855545	11.585	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	3603459	10.476	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	870875	12.812	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041505.D
 Acq On : 8 Aug 2024 9:39
 Operator : SY/MD
 Sample : VL0808ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0808ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/09/2024
 Supervised By : Mahesh Dadoda 08/09/2024

Quant Time: Aug 09 05:52:05 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 9 18:25:20 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	1170577	11.926	ppbv	96
47) 1,1,2-Trichloroethane	8.889	97	904470	10.407	ppbv	97
48) Dibromochloromethane	9.700	129	1493471	10.667	ppbv	100
49) Bromoform	12.397	173	1340539	11.335	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2404678	11.179	ppbv	100
51) 2-Hexanone	9.539	43	1961903	12.062	ppbv #	99
52) Tetrachloroethene	10.606	164	823642	10.351	ppbv	99
53) Toluene	9.208	91	2540535	11.075	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1312754	11.348	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.497	131	1108511	10.653	ppbv #	55
57) Chlorobenzene	11.516	112	2003627	10.489	ppbv	98
58) Ethyl Benzene	12.079	91	3432326	11.099	ppbv	99
59) m/p-Xylene	12.362	91	5833651m	21.852	ppbv	
60) o-Xylene	13.050	91	2795768	11.071	ppbv	99
61) Styrene	12.886	104	1388008	12.183	ppbv	99
62) Isopropylbenzene	14.018	105	4075363	10.616	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	1721898	10.798	ppbv	99
64) n-propylbenzene	14.905	120	1081113	10.771	ppbv	96
65) tert-Butylbenzene	16.076	119	3634119	10.480	ppbv	99
66) Benzyl Chloride	16.314	91	279937	12.586	ppbv	99
67) sec-Butylbenzene	16.622	105	5112169	10.700	ppbv	100
69) p-Isopropyltoluene	16.986	119	4284866	10.808	ppbv	100
70) n-Butylbenzene	17.873	91	4407161	10.844	ppbv	100
71) 2-Chlorotoluene	14.790	91	3086845	10.903	ppbv	100
72) 4-Ethyltoluene	15.179	105	3389594	11.401	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	2867978	11.197	ppbv	96
74) 1,2,4-Trimethylbenzene	16.098	105	3189834	10.712	ppbv	98
75) 1,3-Dichlorobenzene	16.317	146	1987381	10.617	ppbv	100
76) 1,4-Dichlorobenzene	16.461	146	1946715	10.741	ppbv	100
77) 1,2-Dichlorobenzene	17.133	146	1931870	10.411	ppbv	100
78) Hexachloro-1,3-Butadiene	22.619	225	1457393	9.210	ppbv	99
79) Naphthalene	21.368	128	3214160	12.229	ppbv	100
80) Naphthalene,2-methyl-	24.361	142	2490096	11.302	ppbv	100
81) 1,2,4-Trichlorobenzene	21.124	180	1688779	10.797	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041507.D
 Acq On : 8 Aug 2024 10:59
 Operator : SY/MD
 Sample : CAN 10596
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10596

Quant Time: Aug 09 05:53:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.182	49	1065917	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2843077	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2602526	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1948907	9.731	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.300%

Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
Data File : VL041507.D
Acq On : 8 Aug 2024 10:59
Operator : SY/MD
Sample : CAN 10596
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10596

Quant Time: Aug 09 05:53:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration

