

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL110724

Review By	SAM	Review On	11/9/2024 10:50:42 AM
Supervise By		Supervise On	
SubDirectory	VL110724	HP Acquire Method	AIR-TO15
		HP Processing Method	VL110724AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2549		
Initial Calibration Stds	AP2552,AP2554,AP2555		
CCC	AP2552		
Internal Standard/PEM	AP2549		
ICV/I.BLK	AP2553		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041672.D	7 Nov 2024 8:58	SY/MD	Ok
2	VSTDIC0.5	VL041673.D	7 Nov 2024 9:36	SY/MD	Not Ok
3	VSTDICCC010	VL041674.D	7 Nov 2024 10:15	SY/MD	Ok,M
4	VSTDIC002	VL041675.D	7 Nov 2024 10:55	SY/MD	Ok,M
5	VSTDIC001	VL041676.D	7 Nov 2024 11:34	SY/MD	Ok,M
6	VSTDIC0.5	VL041677.D	7 Nov 2024 12:13	SY/MD	Ok,M
7	VSTDIC0.1	VL041678.D	7 Nov 2024 12:52	SY/MD	Ok,M
8	VSTDIC0.03	VL041679.D	7 Nov 2024 13:31	SY/MD	Ok,M
9	VSTDIC015	VL041680.D	7 Nov 2024 14:12	SY/MD	Ok,M
10	VSTDICV010	VL041681.D	7 Nov 2024 14:51	SY/MD	Ok,M
11	VL1107ABL01	VL041682.D	7 Nov 2024 17:44	SY/MD	Ok
12	VL1107ABS01	VL041683.D	7 Nov 2024 18:24	SY/MD	Ok,M
13	VIBLK	VL041684.D	7 Nov 2024 19:04	SY/MD	Ok
14	P4696-02	VL041685.D	7 Nov 2024 19:44	SY/MD	Ok,M
15	P4696-02DL	VL041686.D	7 Nov 2024 20:24	SY/MD	Not Ok
16	VIBLK	VL041687.D	7 Nov 2024 21:03	SY/MD	Ok
17	P4696-01	VL041688.D	7 Nov 2024 21:44	SY/MD	Ok,M
18	P4696-01DUP	VL041689.D	7 Nov 2024 22:24	SY/MD	Ok,M
19	P4696-01DL	VL041690.D	7 Nov 2024 23:03	SY/MD	Not Ok
20	QC102124 CAN 10311	VL041691.D	7 Nov 2024 23:42	SY/MD	Ok
21	CAN 10268	VL041692.D	8 Nov 2024 00:21	SY/MD	Ok

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QC Batch ID # VL110724

Review By	SAM	Review On	11/9/2024 10:50:42 AM
Supervise By		Supervise On	
SubDirectory	VL110724	HP Acquire Method	AIR-TO15
		HP Processing Method	VL110724AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2549		
Initial Calibration Stds	AP2552,AP2554,AP2555		
CCC	AP2552		
Internal Standard/PEM	AP2549		
ICV/I.BLK	AP2553		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	CAN 10297	VL041693.D	8 Nov 2024 1:00	SY/MD	Ok
23	CAN 10154	VL041694.D	8 Nov 2024 1:39	SY/MD	Ok
24	VSTDCCC010	VL041695.D	8 Nov 2024 2:18	SY/MD	Ok,M

M : Manual Integration

Process Report

Order ID : Q1090

Date	Bottle ID	Lab Sample Number	InComing Vacuum	Canister ID	Can Size	Reg ID	Reg Size	Batch Code	Certification ID
01/15/2025	B2501005	Q1090-01	-6.7	10599	6 L	10550		C2409001	VL041612.D Seq :vl091824 TUNE : VL041600.D ICAL : VL041597.D CCAL : VL041601.D MB : VL041602.D
01/15/2025	B2501005	Q1090-03	-6.3	10598	6 L	10226		C2409001	VL041612.D Seq :vl091824 TUNE : VL041600.D ICAL : VL041597.D CCAL : VL041601.D MB : VL041602.D
01/15/2025	B2501005	Q1090-04	-6.3	10297	6 L	10648		C2410002	VL041693.D Seq :VL110724 TUNE : VL041672.D ICAL : VL041679.D CCAL : VL041674.D MB : VL041682.D
01/15/2025	B2501005	Q1090-05	-3.9	10154	6 L	10613		C2410002	VL041694.D Seq :VL110724 TUNE : VL041672.D ICAL : VL041679.D CCAL : VL041674.D MB : VL041682.D
01/15/2025	B2501005	Q1090-02	-6.7	10053	6 L	10707		C2410002	VL041691.D Seq :VL110724 TUNE : VL041672.D ICAL : VL041679.D CCAL : VL041674.D MB : VL041682.D

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041674.D
 Acq On : 7 Nov 2024 10:15
 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 :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:09:03 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1170802	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	3260349	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3326206m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2380541 9.677 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.800%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.726	85	2208753	10.438	ppbv 100
3) Chlorodifluoromethane	2.671	51	1393427	9.135	ppbv 100
4) Chloromethane	2.809	50	760160	9.408	ppbv 100
5) Vinyl Chloride	2.915	62	732442	10.005	ppbv 100
6) Bromomethane	3.115	94	371242	9.628	ppbv 100
7) Chloroethane	3.192	64	260602	9.824	ppbv 100
8) Dichlorotetrafluoroethane	2.851	85	1728631	9.151	ppbv 100
9) Propene	2.690	41	619994	9.327	ppbv 100
10) Heptane	7.577	43	1534950	10.305	ppbv 100
11) Trichlorofluoromethane	3.555	101	1732857	9.401	ppbv 100
12) 1,1,2-Trichlorotrifluo...	4.060	101	1257722	9.388	ppbv 100
13) Ethanol	3.246	45	33738m	8.160	ppbv
14) Bromoethene	3.362	108	504428	9.366	ppbv 100
15) Acetone	3.462	43	1285781	8.923	ppbv 100
16) 1,3-Butadiene	2.980	39	734062	10.160	ppbv 100
17) tert-Butyl alcohol	3.873	59	1215299	9.611	ppbv 100
18) 1,1-Dichloroethene	3.873	96	557278	9.484	ppbv 100
19) Isopropyl Alcohol	3.571	45	646252	9.266	ppbv 100
20) Methylene Chloride	3.928	84	468549	8.837	ppbv 100
21) Allyl Chloride	3.992	41	888517	9.979	ppbv 100
22) trans-1,2-Dichloroethene	4.442	96	566347	9.660	ppbv 100
23) Vinyl Acetate	4.623	43	602236	8.886	ppbv 100
24) 1,1-Dichloroethane	4.558	63	1223224	9.380	ppbv 100
25) Ethyl Acetate	5.201	43	2883606	9.668	ppbv 100
26) Hexane	5.208	57	1130877	9.869	ppbv 100
27) Carbon Disulfide	4.118	76	1374259	10.675	ppbv 100
28) Methyl tert-Butyl Ether	4.581	73	670928	9.092	ppbv 100
29) Chloroform	5.269	83	1779347	9.407	ppbv 100
30) Cyclohexane	6.597	84	965390	10.487	ppbv 100
31) cis-1,2-Dichloroethene	5.076	61	1095423	9.937	ppbv 100
32) 1,1,1-Trichloroethane	5.999	97	1742198	10.047	ppbv 100
34) 2-Butanone	4.780	43	1559421	9.606	ppbv 100
35) Carbon Tetrachloride	6.491	117	1838964	10.670	ppbv 100
36) Benzene	6.365	78	2404772	9.955	ppbv 100
37) 1,2-Dichloroethane	5.803	62	1331275	9.768	ppbv 100
38) Trichloroethene	7.288	130	986911	10.594	ppbv 100
39) 1,2-Dichloropropane	7.073	63	927055	9.711	ppbv 100
40) 1,4-Dioxane	7.282	88	361524	10.691	ppbv 100
41) Tetrahydrofuran	5.552	42	961227	10.379	ppbv 100
42) Bromodichloromethane	7.246	83	1922752	10.153	ppbv 100
43) Methyl Methacrylate	7.471	69	939057	11.071	ppbv 100
44) 2,2,4-Trimethylpentane	7.323	57	4079001	9.968	ppbv 100
45) t-1,3-Dichloropropene	8.706	75	920537	12.141	ppbv 100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041674.D
 Acq On : 7 Nov 2024 10:15
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Quant Time: Nov 08 00:09:03 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1257121	11.408	ppbv	100
47) 1,1,2-Trichloroethane	8.896	97	1003150	9.746	ppbv	100
48) Dibromochloromethane	9.709	129	1679053	10.690	ppbv	100
49) Bromoform	12.404	173	1497222	11.174	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2628657	10.544	ppbv	100
51) 2-Hexanone	9.548	43	2043690	11.281	ppbv	100
52) Tetrachloroethene	10.616	164	899580	10.893	ppbv	100
53) Toluene	9.217	91	2787590	10.973	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1353490	11.262	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	1266326	9.142	ppbv	100
57) Chlorobenzene	11.526	112	2237328	9.024	ppbv	100
58) Ethyl Benzene	12.085	91	3795372	10.301	ppbv	100
59) m/p-Xylene	12.368	91	6483858m	19.671	ppbv	
60) o-Xylene	13.056	91	3148609	10.005	ppbv	100
61) Styrene	12.896	104	1515741	11.670	ppbv	100
62) Isopropylbenzene	14.027	105	4647017	9.566	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.043	83	2194609	9.578	ppbv	100
64) n-propylbenzene	14.912	120	1256955	9.895	ppbv	100
65) tert-Butylbenzene	16.088	119	4162243	9.533	ppbv	100
66) Benzyl Chloride	16.326	91	359794	11.442	ppbv	100
67) sec-Butylbenzene	16.635	105	5857608	9.519	ppbv	100
69) p-Isopropyltoluene	16.992	119	4920309	9.887	ppbv	100
70) n-Butylbenzene	17.882	91	5021145	9.843	ppbv	100
71) 2-Chlorotoluene	14.796	91	3508288	9.986	ppbv	100
72) 4-Ethyltoluene	15.191	105	3763123	10.297	ppbv	100
73) 1,3,5-Trimethylbenzene	15.349	105	3217635	10.042	ppbv	100
74) 1,2,4-Trimethylbenzene	16.104	105	3563067	9.559	ppbv	100
75) 1,3-Dichlorobenzene	16.326	146	2192903	9.524	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	2144446	9.479	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	2138612	9.353	ppbv	100
78) Hexachloro-1,3-Butadiene	22.631	225	1422723m	7.865	ppbv	
79) Naphthalene	21.384	128	2767333	12.072	ppbv	100
80) Naphthalene,2-methyl-	24.374	142	466005	10.957	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	1415249	9.925	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041674.D
 Acq On : 7 Nov 2024 10:15
 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 :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:09:03 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1170802	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	3260349	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3326206m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2380541 9.677 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.800%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.726	85	2208753	10.438	ppbv 100
3) Chlorodifluoromethane	2.671	51	1393427	9.135	ppbv 100
4) Chloromethane	2.809	50	760160	9.408	ppbv 100
5) Vinyl Chloride	2.915	62	732442	10.005	ppbv 100
6) Bromomethane	3.115	94	371242	9.628	ppbv 100
7) Chloroethane	3.192	64	260602	9.824	ppbv 100
8) Dichlorotetrafluoroethane	2.851	85	1728631	9.151	ppbv 100
9) Propene	2.690	41	619994	9.327	ppbv 100
10) Heptane	7.577	43	1534950	10.305	ppbv 100
11) Trichlorofluoromethane	3.555	101	1732857	9.401	ppbv 100
12) 1,1,2-Trichlorotrifluo...	4.060	101	1257722	9.388	ppbv 100
13) Ethanol	3.246	45	33738m	8.160	ppbv
14) Bromoethene	3.362	108	504428	9.366	ppbv 100
15) Acetone	3.462	43	1285781	8.923	ppbv 100
16) 1,3-Butadiene	2.980	39	734062	10.160	ppbv 100
17) tert-Butyl alcohol	3.873	59	1215299	9.611	ppbv 100
18) 1,1-Dichloroethene	3.873	96	557278	9.484	ppbv 100
19) Isopropyl Alcohol	3.571	45	646252	9.266	ppbv 100
20) Methylene Chloride	3.928	84	468549	8.837	ppbv 100
21) Allyl Chloride	3.992	41	888517	9.979	ppbv 100
22) trans-1,2-Dichloroethene	4.442	96	566347	9.660	ppbv 100
23) Vinyl Acetate	4.623	43	602236	8.886	ppbv 100
24) 1,1-Dichloroethane	4.558	63	1223224	9.380	ppbv 100
25) Ethyl Acetate	5.201	43	2883606	9.668	ppbv 100
26) Hexane	5.208	57	1130877	9.869	ppbv 100
27) Carbon Disulfide	4.118	76	1374259	10.675	ppbv 100
28) Methyl tert-Butyl Ether	4.581	73	670928	9.092	ppbv 100
29) Chloroform	5.269	83	1779347	9.407	ppbv 100
30) Cyclohexane	6.597	84	965390	10.487	ppbv 100
31) cis-1,2-Dichloroethene	5.076	61	1095423	9.937	ppbv 100
32) 1,1,1-Trichloroethane	5.999	97	1742198	10.047	ppbv 100
34) 2-Butanone	4.780	43	1559421	9.606	ppbv 100
35) Carbon Tetrachloride	6.491	117	1838964	10.670	ppbv 100
36) Benzene	6.365	78	2404772	9.955	ppbv 100
37) 1,2-Dichloroethane	5.803	62	1331275	9.768	ppbv 100
38) Trichloroethene	7.288	130	986911	10.594	ppbv 100
39) 1,2-Dichloropropane	7.073	63	927055	9.711	ppbv 100
40) 1,4-Dioxane	7.282	88	361524	10.691	ppbv 100
41) Tetrahydrofuran	5.552	42	961227	10.379	ppbv 100
42) Bromodichloromethane	7.246	83	1922752	10.153	ppbv 100
43) Methyl Methacrylate	7.471	69	939057	11.071	ppbv 100
44) 2,2,4-Trimethylpentane	7.323	57	4079001	9.968	ppbv 100
45) t-1,3-Dichloropropene	8.706	75	920537	12.141	ppbv 100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041674.D
 Acq On : 7 Nov 2024 10:15
 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 :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:09:03 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1257121	11.408	ppbv	100
47) 1,1,2-Trichloroethane	8.896	97	1003150	9.746	ppbv	100
48) Dibromochloromethane	9.709	129	1679053	10.690	ppbv	100
49) Bromoform	12.404	173	1497222	11.174	ppbv	100
50) 4-Methyl-2-Pentanone	8.179	43	2628657	10.544	ppbv	100
51) 2-Hexanone	9.548	43	2043690	11.281	ppbv	100
52) Tetrachloroethene	10.616	164	899580	10.893	ppbv	100
53) Toluene	9.217	91	2787590	10.973	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1353490	11.262	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.507	131	1266326	9.142	ppbv	100
57) Chlorobenzene	11.526	112	2237328	9.024	ppbv	100
58) Ethyl Benzene	12.085	91	3795372	10.301	ppbv	100
59) m/p-Xylene	12.368	91	6483858m	19.671	ppbv	
60) o-Xylene	13.056	91	3148609	10.005	ppbv	100
61) Styrene	12.896	104	1515741	11.670	ppbv	100
62) Isopropylbenzene	14.027	105	4647017	9.566	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.043	83	2194609	9.578	ppbv	100
64) n-propylbenzene	14.912	120	1256955	9.895	ppbv	100
65) tert-Butylbenzene	16.088	119	4162243	9.533	ppbv	100
66) Benzyl Chloride	16.326	91	359794	11.442	ppbv	100
67) sec-Butylbenzene	16.635	105	5857608	9.519	ppbv	100
69) p-Isopropyltoluene	16.992	119	4920309	9.887	ppbv	100
70) n-Butylbenzene	17.882	91	5021145	9.843	ppbv	100
71) 2-Chlorotoluene	14.796	91	3508288	9.986	ppbv	100
72) 4-Ethyltoluene	15.191	105	3763123	10.297	ppbv	100
73) 1,3,5-Trimethylbenzene	15.349	105	3217635	10.042	ppbv	100
74) 1,2,4-Trimethylbenzene	16.104	105	3563067	9.559	ppbv	100
75) 1,3-Dichlorobenzene	16.326	146	2192903	9.524	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	2144446	9.479	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	2138612	9.353	ppbv	100
78) Hexachloro-1,3-Butadiene	22.631	225	1422723m	7.865	ppbv	
79) Naphthalene	21.384	128	2767333	12.072	ppbv	100
80) Naphthalene,2-methyl-	24.374	142	466005	10.957	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	1415249	9.925	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041675.D
 Acq On : 7 Nov 2024 10:55
 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 :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:09:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1208732	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3351063	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3155486	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2278471 9.764 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.600%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.726	85	514444	2.355	ppbv 97
3) Chlorodifluoromethane	2.671	51	328832	2.088	ppbv 99
4) Chloromethane	2.806	50	174215	2.088	ppbv 98
5) Vinyl Chloride	2.915	62	164345	2.174	ppbv 95
6) Bromomethane	3.115	94	83930	2.108	ppbv 95
7) Chloroethane	3.192	64	56344	2.057	ppbv 95
8) Dichlorotetrafluoroethane	2.851	85	407437	2.089	ppbv 100
9) Propene	2.690	41	145858	2.125	ppbv 96
10) Heptane	7.574	43	329781	2.145	ppbv 100
11) Trichlorofluoromethane	3.558	101	404483	2.126	ppbv 96
12) 1,1,2-Trichlorotrifluo...	4.060	101	293463	2.122	ppbv 100
13) Ethanol	3.253	45	11047m	2.588	ppbv
14) Bromoethene	3.362	108	115140	2.071	ppbv 97
15) Acetone	3.468	43	325763	2.190	ppbv 98
16) 1,3-Butadiene	2.980	39	166496	2.232	ppbv 100
17) tert-Butyl alcohol	3.880	59	250452	1.919	ppbv 100
18) 1,1-Dichloroethene	3.877	96	125850	2.075	ppbv 97
19) Isopropyl Alcohol	3.581	45	145112	2.015	ppbv # 98
20) Methylene Chloride	3.928	84	107956	1.972	ppbv 95
21) Allyl Chloride	3.992	41	188103	2.046	ppbv 93
22) trans-1,2-Dichloroethene	4.439	96	127951	2.114	ppbv 97
23) Vinyl Acetate	4.623	43	146592	2.095	ppbv 99
24) 1,1-Dichloroethane	4.555	63	311096	2.311	ppbv 99
25) Ethyl Acetate	5.201	43	648134	2.105	ppbv 99
26) Hexane	5.205	57	247802	2.095	ppbv 93
27) Carbon Disulfide	4.121	76	275871	2.076	ppbv # 92
28) Methyl tert-Butyl Ether	4.587	73	178647	2.345	ppbv 100
29) Chloroform	5.269	83	397794	2.037	ppbv 98
30) Cyclohexane	6.594	84	205987	2.167	ppbv 95
31) cis-1,2-Dichloroethene	5.073	61	231792	2.037	ppbv 95
32) 1,1,1-Trichloroethane	5.996	97	391289	2.186	ppbv 99
34) 2-Butanone	4.783	43	351257	2.105	ppbv 97
35) Carbon Tetrachloride	6.491	117	399871	2.257	ppbv 99
36) Benzene	6.368	78	538471	2.169	ppbv 96
37) 1,2-Dichloroethane	5.803	62	291330	2.080	ppbv 100
38) Trichloroethene	7.285	130	214170	2.237	ppbv 96
39) 1,2-Dichloropropane	7.069	63	206245	2.102	ppbv 97
40) 1,4-Dioxane	7.291	88	82194m	2.365	ppbv
41) Tetrahydrofuran	5.561	42	206889	2.173	ppbv 99
42) Bromodichloromethane	7.243	83	411846	2.116	ppbv 100
43) Methyl Methacrylate	7.471	69	186557	2.140	ppbv 95
44) 2,2,4-Trimethylpentane	7.323	57	932386	2.217	ppbv 99
45) t-1,3-Dichloropropene	8.709	75	150360	1.929	ppbv 97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041675.D
 Acq On : 7 Nov 2024 10:55
 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 :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:09:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	234294	2.069	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	218012m	2.061	ppbv	
48) Dibromochloromethane	9.703	129	342372	2.121	ppbv	99
49) Bromoform	12.404	173	286412	2.080	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	563317	2.198	ppbv	99
51) 2-Hexanone	9.558	43	402751	2.163	ppbv	97
52) Tetrachloroethene	10.616	164	191108m	2.252	ppbv	
53) Toluene	9.220	91	564332	2.161	ppbv	100
54) 1,2-Dibromoethane	10.005	107	279460	2.262	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.507	131	279872	2.130	ppbv #	1
57) Chlorobenzene	11.519	112	500524	2.128	ppbv	98
58) Ethyl Benzene	12.085	91	777614	2.225	ppbv	96
59) m/p-Xylene	12.368	91	1403331m	4.488	ppbv	
60) o-Xylene	13.053	91	674003	2.258	ppbv	98
61) Styrene	12.892	104	262837	2.133	ppbv	98
62) Isopropylbenzene	14.024	105	1030511	2.236	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	488021	2.245	ppbv	99
64) n-propylbenzene	14.915	120	271271	2.251	ppbv	94
65) tert-Butylbenzene	16.085	119	948395	2.290	ppbv	99
66) Benzyl Chloride	16.326	91	61799m	2.072	ppbv	
67) sec-Butylbenzene	16.632	105	1349679	2.312	ppbv	99
69) p-Isopropyltoluene	16.992	119	1097205	2.324	ppbv	99
70) n-Butylbenzene	17.886	91	1109618	2.293	ppbv	99
71) 2-Chlorotoluene	14.796	91	745884	2.238	ppbv	100
72) 4-Ethyltoluene	15.188	105	777952	2.244	ppbv	100
73) 1,3,5-Trimethylbenzene	15.346	105	691387	2.274	ppbv	93
74) 1,2,4-Trimethylbenzene	16.101	105	796450	2.252	ppbv	96
75) 1,3-Dichlorobenzene	16.329	146	473241	2.167	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	448788	2.091	ppbv	97
77) 1,2-Dichlorobenzene	17.140	146	466190	2.149	ppbv	98
78) Hexachloro-1,3-Butadiene	22.628	225	367865	2.144	ppbv	99
79) Naphthalene	21.387	128	538842	2.478	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	101409	2.513	ppbv	96
81) 1,2,4-Trichlorobenzene	21.143	180	287687	2.127	ppbv	99

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

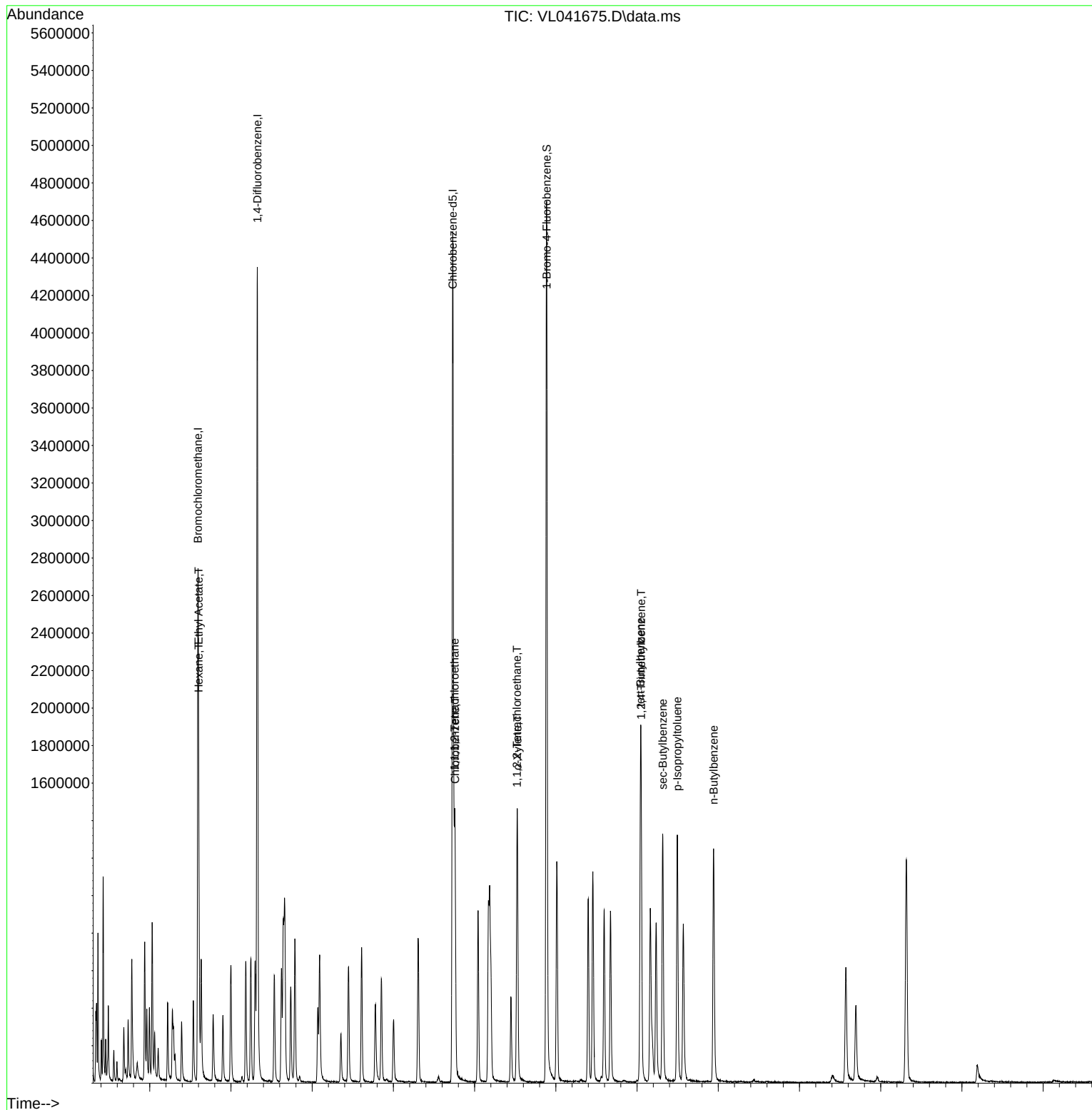
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041675.D
Acq On : 7 Nov 2024 10:55
Operator : SY/MD
Sample : VSTDICC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:09:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041676.D
 Acq On : 7 Nov 2024 11:34
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Nov 08 00:10:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 11/09/2024
 Supervised By : Semsettin Yesilyurt 11/09/2024

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

Internal Standards						
1) Bromochloromethane	5.185	49	1184622	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3332226	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3067671	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	2285234	10.073	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.726	85	181618	0.848	ppbv	98
3) Chlorodifluoromethane	2.671	51	164131	1.063	ppbv	100
4) Chloromethane	2.812	50	86683	1.060	ppbv	100
5) Vinyl Chloride	2.915	62	78147	1.055	ppbv	100
6) Bromomethane	3.118	94	38811	0.995	ppbv	89
7) Chloroethane	3.195	64	27451	1.023	ppbv	94
8) Dichlorotetrafluoroethane	2.854	85	198669	1.039	ppbv	99
9) Propene	2.690	41	72231	1.074	ppbv	95
10) Heptane	7.574	43	148906	0.988	ppbv	96
11) Trichlorofluoromethane	3.562	101	194775	1.044	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	141527	1.044	ppbv	98
13) Ethanol	3.256	45	3961	0.947	ppbv #	48
14) Bromoethene	3.359	108	55094	1.011	ppbv #	92
15) Acetone	3.475	43	166255	1.140	ppbv	99
16) 1,3-Butadiene	2.980	39	67777m	0.927	ppbv	
17) tert-Butyl alcohol	3.883	59	153265	1.198	ppbv	99
18) 1,1-Dichloroethene	3.873	96	58180	0.979	ppbv	97
19) Isopropyl Alcohol	3.584	45	82398	1.168	ppbv #	91
20) Methylene Chloride	3.928	84	59394	1.107	ppbv	96
21) Allyl Chloride	3.992	41	95568	1.061	ppbv	98
22) trans-1,2-Dichloroethene	4.446	96	60981m	1.028	ppbv	
23) Vinyl Acetate	4.626	43	66087m	0.964	ppbv	
24) 1,1-Dichloroethane	4.555	63	132214	1.002	ppbv	99
25) Ethyl Acetate	5.205	43	316814	1.050	ppbv	98
26) Hexane	5.208	57	122113	1.053	ppbv	94
27) Carbon Disulfide	4.121	76	125113	0.961	ppbv	97
28) Methyl tert-Butyl Ether	4.587	73	79309	1.062	ppbv	98
29) Chloroform	5.269	83	197891	1.034	ppbv	100
30) Cyclohexane	6.597	84	88127	0.946	ppbv	89
31) cis-1,2-Dichloroethene	5.073	61	115115	1.032	ppbv	94
32) 1,1,1-Trichloroethane	5.996	97	186425	1.063	ppbv	100
34) 2-Butanone	4.790	43	166525	1.004	ppbv	99
35) Carbon Tetrachloride	6.491	117	187475	1.064	ppbv	96
36) Benzene	6.369	78	250318	1.014	ppbv	98
37) 1,2-Dichloroethane	5.803	62	144449	1.037	ppbv	100
38) Trichloroethene	7.288	130	96191	1.010	ppbv	93
39) 1,2-Dichloropropane	7.069	63	99780	1.023	ppbv	91
40) 1,4-Dioxane	7.311	88	35039m	1.014	ppbv	
41) Tetrahydrofuran	5.571	42	93643	0.989	ppbv	99
42) Bromodichloromethane	7.246	83	188568	0.974	ppbv	100
43) Methyl Methacrylate	7.478	69	78902	0.910	ppbv	90
44) 2,2,4-Trimethylpentane	7.327	57	435343	1.041	ppbv	98
45) t-1,3-Dichloropropene	8.709	75	70088m	0.904	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041676.D
 Acq On : 7 Nov 2024 11:34
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Quant Time: Nov 08 00:10:33 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

Reviewed By : Mahesh Dadoda 11/09/2024
 Supervised By : Semsettin Yesilyurt 11/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	101425	0.901	ppbv	95
47) 1,1,2-Trichloroethane	8.896	97	104883	0.997	ppbv	92
48) Dibromochloromethane	9.709	129	152757	0.952	ppbv	99
49) Bromoform	12.400	173	127488m	0.931	ppbv	
50) 4-Methyl-2-Pentanone	8.188	43	250885	0.985	ppbv	99
51) 2-Hexanone	9.571	43	165158	0.892	ppbv #	100
52) Tetrachloroethene	10.610	164	92977	1.102	ppbv	93
53) Toluene	9.217	91	253501	0.976	ppbv	98
54) 1,2-Dibromoethane	10.008	107	122096	0.994	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.510	131	133283	1.043	ppbv #	1
57) Chlorobenzene	11.523	112	239417	1.047	ppbv	97
58) Ethyl Benzene	12.089	91	334939	0.986	ppbv	91
59) m/p-Xylene	12.368	91	625077m	2.056	ppbv	
60) o-Xylene	13.053	91	293793	1.012	ppbv	100
61) Styrene	12.892	104	102947	0.859	ppbv	96
62) Isopropylbenzene	14.031	105	468382	1.045	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.047	83	226867	1.074	ppbv	97
64) n-propylbenzene	14.915	120	115677	0.987	ppbv	82
65) tert-Butylbenzene	16.092	119	424019	1.053	ppbv	98
66) Benzyl Chloride	16.326	91	26944m	0.929	ppbv	
67) sec-Butylbenzene	16.638	105	596449	1.051	ppbv	99
69) p-Isopropyltoluene	16.998	119	480893	1.048	ppbv	99
70) n-Butylbenzene	17.889	91	484367	1.030	ppbv	97
71) 2-Chlorotoluene	14.799	91	331921	1.024	ppbv	99
72) 4-Ethyltoluene	15.191	105	327541	0.972	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	290287	0.982	ppbv	93
74) 1,2,4-Trimethylbenzene	16.111	105	360083	1.047	ppbv #	89
75) 1,3-Dichlorobenzene	16.326	146	218228	1.028	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	203100	0.973	ppbv	95
77) 1,2-Dichlorobenzene	17.143	146	221404	1.050	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	190183m	1.140	ppbv	
79) Naphthalene	21.394	128	226301m	1.070	ppbv	
80) Naphthalene,2-methyl-	24.374	142	39140m	0.998	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	138641m	1.054	ppbv	

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

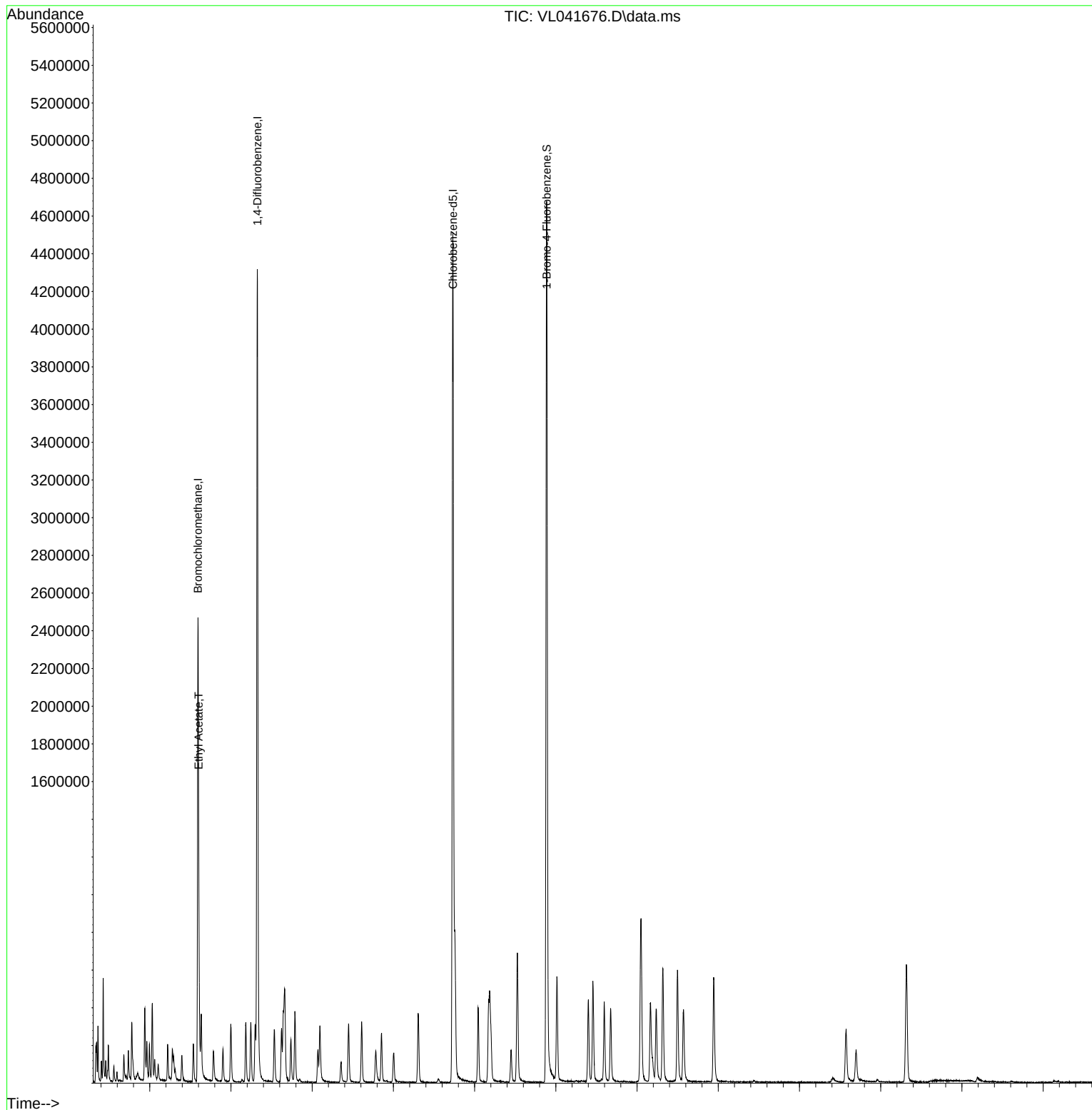
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041676.D
Acq On : 7 Nov 2024 11:34
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:10:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041677.D
 Acq On : 7 Nov 2024 12:13
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Nov 08 00:11:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

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

Internal Standards						
1) Bromochloromethane	5.189	49	1153970	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3232256	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2900644	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2213310	10.318	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	96069	0.461	ppbv	100
3) Chlorodifluoromethane	2.671	51	81180	0.540	ppbv	99
4) Chloromethane	2.809	50	41203	0.517	ppbv #	86
5) Vinyl Chloride	2.915	62	36174	0.501	ppbv	97
6) Bromomethane	3.118	94	19426	0.511	ppbv #	79
7) Chloroethane	3.192	64	13079	0.500	ppbv	90
8) Dichlorotetrafluoroethane	2.854	85	102861	0.552	ppbv	97
9) Propene	2.690	41	32642	0.498	ppbv	96
10) Heptane	7.578	43	63040	0.429	ppbv	99
11) Trichlorofluoromethane	3.558	101	92855	0.511	ppbv	89
12) 1,1,2-Trichlorotrifluo...	4.063	101	67243	0.509	ppbv	96
13) Ethanol	3.269	45	2080m	0.510	ppbv	
14) Bromoethene	3.362	108	28054	0.528	ppbv #	88
15) Acetone	3.481	43	69299	0.488	ppbv #	85
16) 1,3-Butadiene	2.983	39	33737	0.474	ppbv	88
17) tert-Butyl alcohol	3.890	59	61100	0.490	ppbv #	93
18) 1,1-Dichloroethene	3.877	96	30772	0.531	ppbv	97
19) Isopropyl Alcohol	3.597	45	32369m	0.471	ppbv	
20) Methylene Chloride	3.928	84	29673	0.568	ppbv	97
21) Allyl Chloride	3.993	41	39722	0.453	ppbv	86
22) trans-1,2-Dichloroethene	4.439	96	27393	0.474	ppbv	96
23) Vinyl Acetate	4.629	43	28383m	0.425	ppbv	
24) 1,1-Dichloroethane	4.562	63	61980	0.482	ppbv	99
25) Ethyl Acetate	5.211	43	140929	0.479	ppbv #	98
26) Hexane	5.211	57	50843	0.450	ppbv	81
27) Carbon Disulfide	4.121	76	52791	0.416	ppbv #	86
28) Methyl tert-Butyl Ether	4.594	73	34128	0.469	ppbv	96
29) Chloroform	5.266	83	98787	0.530	ppbv	93
30) Cyclohexane	6.600	84	51970m	0.573	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	50385	0.464	ppbv	94
32) 1,1,1-Trichloroethane	5.999	97	84699	0.496	ppbv	96
34) 2-Butanone	4.796	43	78940	0.490	ppbv	99
35) Carbon Tetrachloride	6.488	117	89311m	0.523	ppbv	
36) Benzene	6.362	78	107078	0.447	ppbv	97
37) 1,2-Dichloroethane	5.803	62	64024	0.474	ppbv	97
38) Trichloroethene	7.291	130	42598	0.461	ppbv #	90
39) 1,2-Dichloropropane	7.070	63	44946	0.475	ppbv	93
40) 1,4-Dioxane	7.330	88	11696m	0.349	ppbv	
41) Tetrahydrofuran	5.574	42	37743m	0.411	ppbv	
42) Bromodichloromethane	7.246	83	86164	0.459	ppbv	97
43) Methyl Methacrylate	7.475	69	31683m	0.377	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	175510	0.433	ppbv	93
45) t-1,3-Dichloropropene	8.709	75	26475m	0.352	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041677.D
 Acq On : 7 Nov 2024 12:13
 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 :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:11:14 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	41408m	0.379	ppbv	
47) 1,1,2-Trichloroethane	8.902	97	52244m	0.512	ppbv	
48) Dibromochloromethane	9.709	129	64053	0.411	ppbv	99
49) Bromoform	12.401	173	51263m	0.386	ppbv	
50) 4-Methyl-2-Pentanone	8.198	43	98725m	0.399	ppbv	
51) 2-Hexanone	9.577	43	66460m	0.370	ppbv	
52) Tetrachloroethene	10.610	164	40017m	0.489	ppbv	
53) Toluene	9.221	91	90468	0.359	ppbv	99
54) 1,2-Dibromoethane	10.008	107	57696m	0.484	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	61817	0.512	ppbv #	1
57) Chlorobenzene	11.520	112	113601m	0.525	ppbv	
58) Ethyl Benzene	12.089	91	125893m	0.392	ppbv	
59) m/p-Xylene	12.372	91	241360m	0.840	ppbv	
60) o-Xylene	13.060	91	111856	0.408	ppbv	99
61) Styrene	12.899	104	36189m	0.320	ppbv	
62) Isopropylbenzene	14.031	105	187478	0.443	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	100534	0.503	ppbv	96
64) n-propylbenzene	14.921	120	47206m	0.426	ppbv	
65) tert-Butylbenzene	16.092	119	162846	0.428	ppbv	95
66) Benzyl Chloride	16.330	91	12069m	0.440	ppbv	
67) sec-Butylbenzene	16.638	105	230007	0.429	ppbv	100
69) p-Isopropyltoluene	16.995	119	169014	0.389	ppbv	95
70) n-Butylbenzene	17.892	91	178790m	0.402	ppbv	
71) 2-Chlorotoluene	14.802	91	122982	0.401	ppbv	100
72) 4-Ethyltoluene	15.191	105	125281m	0.393	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	115096m	0.412	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	142178	0.437	ppbv #	87
75) 1,3-Dichlorobenzene	16.333	146	93240m	0.464	ppbv	
76) 1,4-Dichlorobenzene	16.478	146	93341m	0.473	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	93228	0.468	ppbv	94
78) Hexachloro-1,3-Butadiene	22.638	225	89942m	0.570	ppbv	
79) Naphthalene	21.397	128	76368m	0.382	ppbv	
80) Naphthalene,2-methyl-	24.410	142	17526m	0.473	ppbv	
81) 1,2,4-Trichlorobenzene	21.149	180	52746m	0.424	ppbv	

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

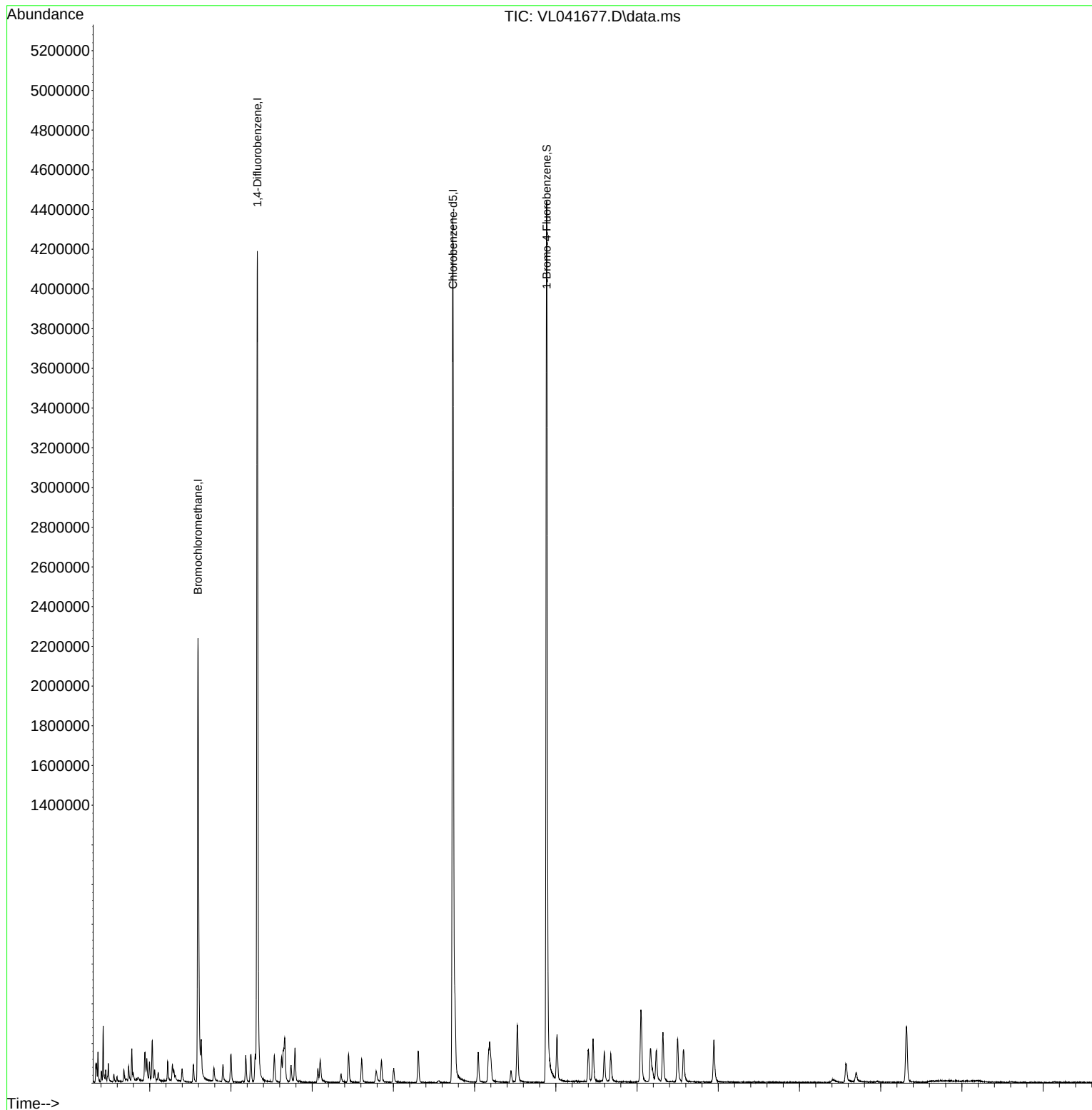
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041677.D
Acq On : 7 Nov 2024 12:13
Operator : SY/MD
Sample : VSTDICC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:11:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041678.D
 Acq On : 7 Nov 2024 12:52
 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 :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:11:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1123559	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3159589	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2815160	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	2112048	10.145	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.915	62	5503	0.078	ppbv	97
32) 1,1,1-Trichloroethane	6.002	97	14483m	0.087	ppbv	
35) Carbon Tetrachloride	6.488	117	13438m	0.080	ppbv	
38) Trichloroethene	7.291	130	7336m	0.081	ppbv	
52) Tetrachloroethene	10.613	164	6067m	0.076	ppbv	
54) 1,2-Dibromoethane	10.005	107	7494m	0.064	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	15978m	0.082	ppbv	
79) Naphthalene	21.400	128	7580m	0.039	ppbv	

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

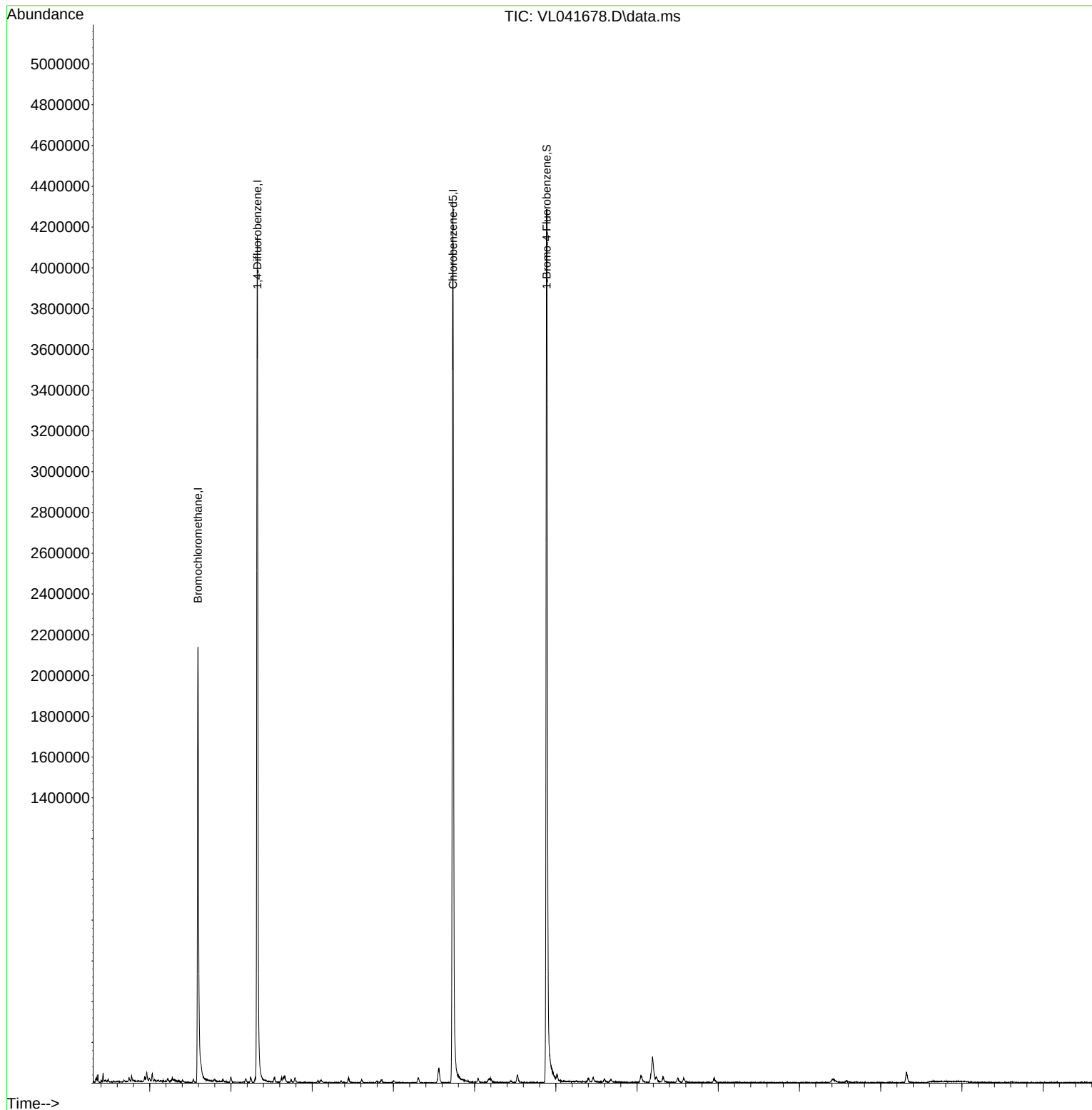
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041678.D
Acq On : 7 Nov 2024 12:52
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:11:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041679.D
 Acq On : 7 Nov 2024 13:31
 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 :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:12:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

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

Internal Standards							
1) Bromochloromethane		5.192	49	1085923	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		6.652	114	3041887	10.000	ppbv	0.00
55) Chlorobenzene-d5		11.465	117	2745730	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		13.777	95	2034307	10.018	ppbv	0.00
Spiked Amount		10.000	Range	65 - 135	Recovery	= 100.200%	
Target Compounds							
						Qvalue	
5) Vinyl Chloride		2.922	62	2094m	0.031	ppbv	
63) 1,1,2,2-Tetrachloroethane		13.047	83	6025m	0.032	ppbv	

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

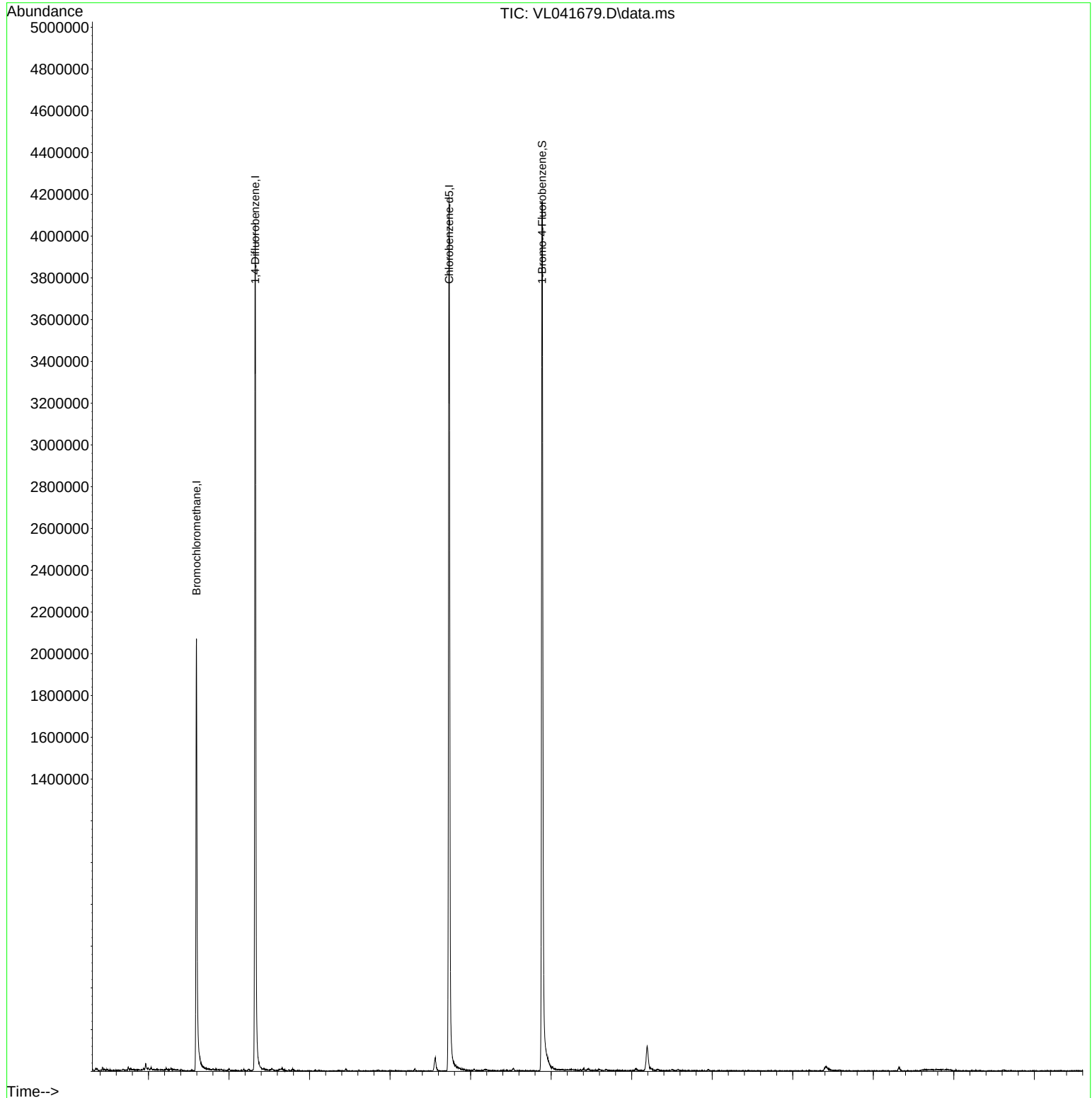
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Data File : VL041679.D
Acq On : 7 Nov 2024 13:31
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:12:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Nov 08 00:07:44 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041680.D
 Acq On : 7 Nov 2024 14:12
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Nov 08 00:13:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 11/09/2024
 Supervised By : Semsettin Yesilyurt 11/09/2024

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

Internal Standards						
1) Bromochloromethane	5.192	49	1139788	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3182548	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	3271350	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2357958	9.746	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.729	85	3118931	15.140	ppbv	99
3) Chlorodifluoromethane	2.674	51	2003229	13.489	ppbv	99
4) Chloromethane	2.813	50	1085629	13.801	ppbv	95
5) Vinyl Chloride	2.922	62	1061943	14.900	ppbv	99
6) Bromomethane	3.121	94	543873	14.489	ppbv	99
7) Chloroethane	3.198	64	374124	14.487	ppbv	99
8) Dichlorotetrafluoroethane	2.858	85	2471590	13.440	ppbv	100
9) Propene	2.694	41	906594	14.010	ppbv	99
10) Heptane	7.581	43	2284371	15.754	ppbv	98
11) Trichlorofluoromethane	3.562	101	2504580	13.958	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.067	101	1834846	14.068	ppbv	100
13) Ethanol	3.250	45	50975m	12.664	ppbv	
14) Bromoethene	3.366	108	755053	14.401	ppbv	98
15) Acetone	3.469	43	1886393	13.448	ppbv	99
16) 1,3-Butadiene	2.986	39	1081107	15.371	ppbv	99
17) tert-Butyl alcohol	3.880	59	1663672	13.516	ppbv	100
18) 1,1-Dichloroethene	3.880	96	834933	14.596	ppbv	93
19) Isopropyl Alcohol	3.575	45	910280	13.406	ppbv	100
20) Methylene Chloride	3.932	84	687212	13.313	ppbv	96
21) Allyl Chloride	3.996	41	1317025	15.194	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	842095	14.755	ppbv	97
23) Vinyl Acetate	4.626	43	926796	14.047	ppbv	98
24) 1,1-Dichloroethane	4.565	63	1790354	14.103	ppbv	99
25) Ethyl Acetate	5.205	43	4234322	14.583	ppbv	100
26) Hexane	5.211	57	1693823	15.184	ppbv	96
27) Carbon Disulfide	4.124	76	2071779	16.531	ppbv	99
28) Methyl tert-Butyl Ether	4.587	73	988726	13.764	ppbv	99
29) Chloroform	5.276	83	2615593	14.204	ppbv	98
30) Cyclohexane	6.600	84	1445757	16.132	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1655410	15.426	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	2576420	15.262	ppbv	99
34) 2-Butanone	4.787	43	2382292	15.033	ppbv	100
35) Carbon Tetrachloride	6.497	117	2728914	16.220	ppbv	98
36) Benzene	6.372	78	3579956	15.182	ppbv	100
37) 1,2-Dichloroethane	5.809	62	1992504	14.978	ppbv	99
38) Trichloroethene	7.295	130	1492186	16.410	ppbv	98
39) 1,2-Dichloropropane	7.076	63	1405373	15.081	ppbv	99
40) 1,4-Dioxane	7.285	88	545340	16.521	ppbv	93
41) Tetrahydrofuran	5.555	42	1449986	16.040	ppbv	99
42) Bromodichloromethane	7.253	83	2869440	15.522	ppbv	99
43) Methyl Methacrylate	7.475	69	1439612	17.388	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	5922866	14.828	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	1469151	19.850	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041680.D
 Acq On : 7 Nov 2024 14:12
 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 :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

Quant Time: Nov 08 00:13:20 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 08 00:07:44 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	1964082	18.259	ppbv	98
47) 1,1,2-Trichloroethane	8.902	97	1496508	14.895	ppbv	99
48) Dibromochloromethane	9.713	129	2521147	16.444	ppbv	100
49) Bromoform	12.413	173	2265132	17.318	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	3873850	15.919	ppbv	99
51) 2-Hexanone	9.552	43	3096656	17.512	ppbv #	99
52) Tetrachloroethene	10.616	164	1362327	16.900	ppbv	98
53) Toluene	9.224	91	4192947	16.909	ppbv	100
54) 1,2-Dibromoethane	10.012	107	2047188	17.451	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.510	131	1851127	13.588	ppbv	98
57) Chlorobenzene	11.529	112	3280487	13.453	ppbv	99
58) Ethyl Benzene	12.092	91	5635176	15.550	ppbv	98
59) m/p-Xylene	12.372	91	9532832m	29.406	ppbv	
60) o-Xylene	13.063	91	4598783	14.859	ppbv	100
61) Styrene	12.902	104	2329096	18.233	ppbv	100
62) Isopropylbenzene	14.031	105	6769619	14.169	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	3217179	14.277	ppbv	100
64) n-propylbenzene	14.918	120	1875181	15.010	ppbv	95
65) tert-Butylbenzene	16.095	119	6075642	14.149	ppbv	100
66) Benzyl Chloride	16.333	91	602019	19.466	ppbv	99
67) sec-Butylbenzene	16.638	105	8477471	14.008	ppbv	99
69) p-Isopropyltoluene	16.999	119	7127872	14.562	ppbv	99
70) n-Butylbenzene	17.889	91	7337569	14.625	ppbv	98
71) 2-Chlorotoluene	14.806	91	5195848	15.038	ppbv	99
72) 4-Ethyltoluene	15.198	105	5625512	15.652	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	4772611	15.144	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	5199497	14.183	ppbv	95
75) 1,3-Dichlorobenzene	16.336	146	3296952	14.559	ppbv	100
76) 1,4-Dichlorobenzene	16.478	146	3204404	14.402	ppbv	100
77) 1,2-Dichlorobenzene	17.150	146	3223835	14.336	ppbv	100
78) Hexachloro-1,3-Butadiene	22.638	225	2162938	12.158	ppbv	99
79) Naphthalene	21.391	128	4363777	19.355	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	967466m	23.129	ppbv	
81) 1,2,4-Trichlorobenzene	21.146	180	2238509	15.962	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041683.D
 Acq On : 7 Nov 2024 18:24
 Operator : SY/MD
 Sample : VL1107ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1107ABS01

Quant Time: Nov 08 03:51:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 11/09/2024
 Supervised By : Semsettin Yesilyurt 11/09/2024

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

Internal Standards						
1) Bromochloromethane	5.185	49	1128795	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3126174	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3072161m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.770	95	2300291	10.162	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.726	85	2133142	10.456	ppbv	98
3) Chlorodifluoromethane	2.671	51	1358036	9.234	ppbv	100
4) Chloromethane	2.809	50	739426	9.492	ppbv	96
5) Vinyl Chloride	2.915	62	715579	10.211	ppbv	98
6) Bromomethane	3.115	94	360881	9.708	ppbv	99
7) Chloroethane	3.192	64	255796	10.001	ppbv	94
8) Dichlorotetrafluoroethane	2.854	85	1714914	9.416	ppbv	99
9) Propene	2.690	41	599297	9.352	ppbv	100
10) Heptane	7.571	43	1503499	10.470	ppbv	100
11) Trichlorofluoromethane	3.558	101	1686292	9.489	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.060	101	1233736	9.551	ppbv	99
13) Ethanol	3.250	45	29777m	7.588	ppbv	
14) Bromoethene	3.362	108	501745	9.663	ppbv	98
15) Acetone	3.462	43	1258503	9.059	ppbv	100
16) 1,3-Butadiene	2.980	39	714485	10.193	ppbv	99
17) tert-Butyl alcohol	3.874	59	1171221	9.608	ppbv	100
18) 1,1-Dichloroethene	3.874	96	550010	9.709	ppbv	97
19) Isopropyl Alcohol	3.571	45	604518	9.104	ppbv #	98
20) Methylene Chloride	3.928	84	457424	8.948	ppbv	98
21) Allyl Chloride	3.993	41	833757	9.712	ppbv	97
22) trans-1,2-Dichloroethene	4.439	96	528381	9.380	ppbv	97
23) Vinyl Acetate	4.620	43	593962	9.699	ppbv	97
24) 1,1-Dichloroethane	4.558	63	1150120	9.148	ppbv	99
25) Ethyl Acetate	5.198	43	2812437	9.780	ppbv	100
26) Hexane	5.208	57	1107924	10.028	ppbv	99
27) Carbon Disulfide	4.118	76	1322486	10.655	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	647697	9.104	ppbv	100
29) Chloroform	5.269	83	1738610	9.534	ppbv	99
30) Cyclohexane	6.594	84	935328	9.943	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	1066172	10.032	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	1706831	10.259	ppbv	100
34) 2-Butanone	4.780	43	1558779	10.014	ppbv	99
35) Carbon Tetrachloride	6.488	117	1799316	10.909	ppbv	99
36) Benzene	6.365	78	2351635	10.153	ppbv	99
37) 1,2-Dichloroethane	5.803	62	1305458	9.990	ppbv	99
38) Trichloroethene	7.285	130	958369	10.773	ppbv	98
39) 1,2-Dichloropropane	7.070	63	918548	10.035	ppbv	96
40) 1,4-Dioxane	7.282	88	306141	9.322	ppbv	71
41) Tetrahydrofuran	5.549	42	931440	10.478	ppbv	100
42) Bromodichloromethane	7.243	83	1863473	10.262	ppbv	98
43) Methyl Methacrylate	7.468	69	933637	11.480	ppbv	98
44) 2,2,4-Trimethylpentane	7.320	57	3949724	10.067	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	880458	11.848	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041683.D
 Acq On : 7 Nov 2024 18:24
 Operator : SY/MD
 Sample : VL1107ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1107ABS01

Quant Time: Nov 08 03:51:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 11/09/2024
 Supervised By : Semsettin Yesilyurt 11/09/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	1229071	11.515	ppbv	98
47) 1,1,2-Trichloroethane	8.896	97	987685	9.970	ppbv	98
48) Dibromochloromethane	9.703	129	1630376	10.826	ppbv	99
49) Bromoform	12.401	173	1455608	11.297	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	2571671	10.762	ppbv	100
51) 2-Hexanone	9.542	43	1998257	11.483	ppbv	100
52) Tetrachloroethene	10.610	164	879019	11.136	ppbv	96
53) Toluene	9.214	91	2735661	11.231	ppbv	100
54) 1,2-Dibromoethane	10.002	107	1309588	11.314	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.500	131	1243563	9.815	ppbv	99
57) Chlorobenzene	11.520	112	2179178	9.591	ppbv	99
58) Ethyl Benzene	12.082	91	3728449	11.070	ppbv	98
59) m/p-Xylene	12.365	91	6395484m	21.205	ppbv	
60) o-Xylene	13.053	91	3062960	10.650	ppbv	100
61) Styrene	12.889	104	1481910	12.484	ppbv	100
62) Isopropylbenzene	14.021	105	4558228	10.262	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	2147383	10.150	ppbv	100
64) n-propylbenzene	14.912	120	1241910	10.681	ppbv	100
65) tert-Butylbenzene	16.082	119	4096195	10.261	ppbv	100
66) Benzyl Chloride	16.320	91	355379	11.572	ppbv	98
67) sec-Butylbenzene	16.629	105	5794246	10.298	ppbv	100
69) p-Isopropyltoluene	16.989	119	4835968	10.631	ppbv	100
70) n-Butylbenzene	17.879	91	4962037	10.661	ppbv	100
71) 2-Chlorotoluene	14.793	91	3445507	10.731	ppbv	100
72) 4-Ethyltoluene	15.185	105	3711135	11.099	ppbv	99
73) 1,3,5-Trimethylbenzene	15.343	105	3178195	10.832	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	3520719	10.330	ppbv	98
75) 1,3-Dichlorobenzene	16.326	146	2160341	10.235	ppbv	100
76) 1,4-Dichlorobenzene	16.468	146	2076558	10.196	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	2104681	10.065	ppbv	100
78) Hexachloro-1,3-Butadiene	22.622	225	1379912	8.344	ppbv	99
79) Naphthalene	21.374	128	2624137	12.474	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	350949	7.653	ppbv	96
81) 1,2,4-Trichlorobenzene	21.130	180	1353417	10.230	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041691.D
 Acq On : 7 Nov 2024 23:42
 Operator : SY/MD
 Sample : QC102124 CAN 10311
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC102124 CAN 10311

Quant Time: Nov 08 03:55:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1005782	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2787450	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	2445005	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.770	95	1862666	10.340	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%

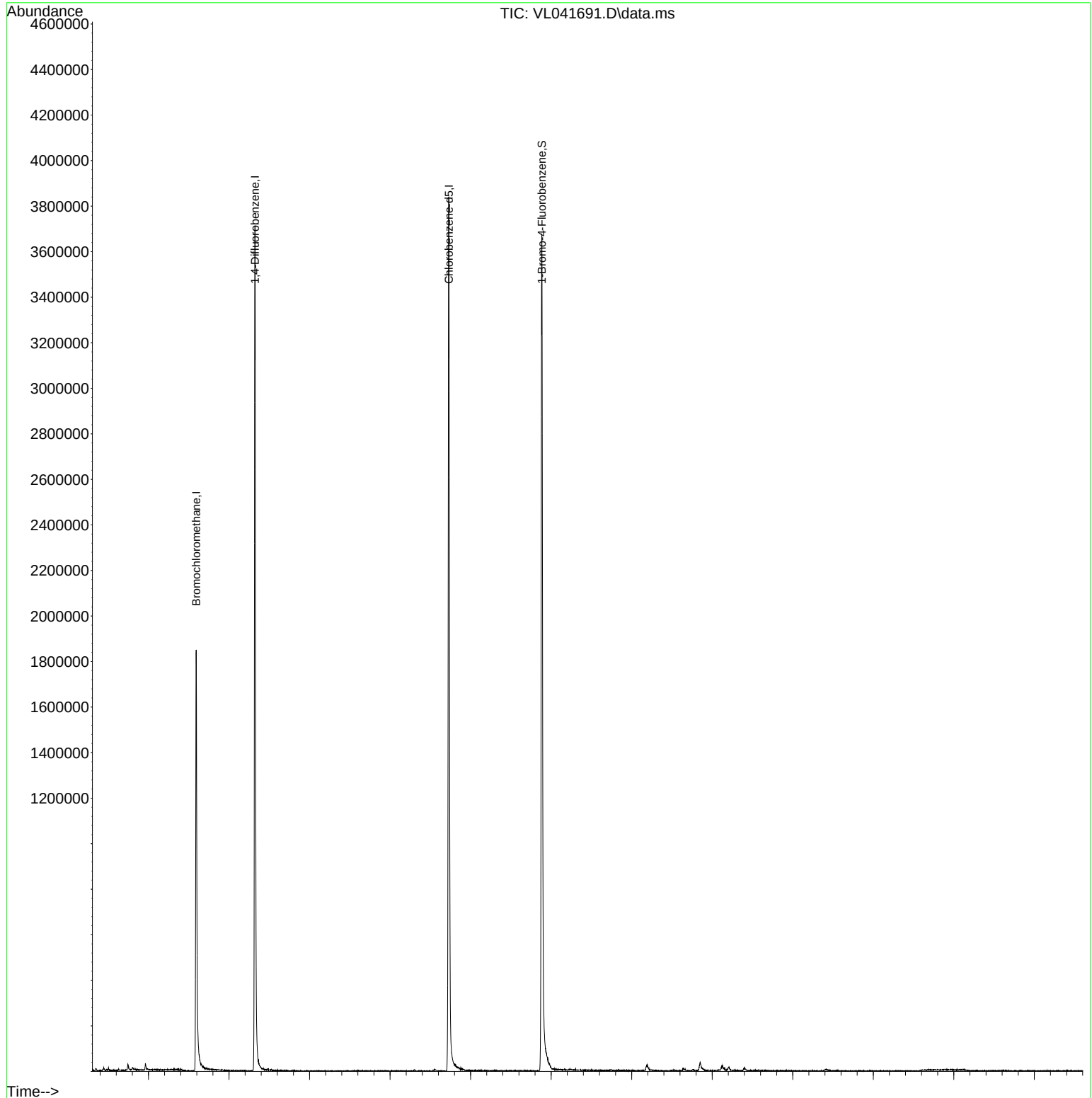
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041691.D
Acq On : 7 Nov 2024 23:42
Operator : SY/MD
Sample : QC102124 CAN 10311
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC102124 CAN 10311

Quant Time: Nov 08 03:55:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Nov 08 01:01:00 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041693.D
 Acq On : 8 Nov 2024 1:00
 Operator : SY/MD
 Sample : CAN 10297
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10297

Quant Time: Nov 08 03:55:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	850875	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2494152	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2154687	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	1561545	9.836	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%

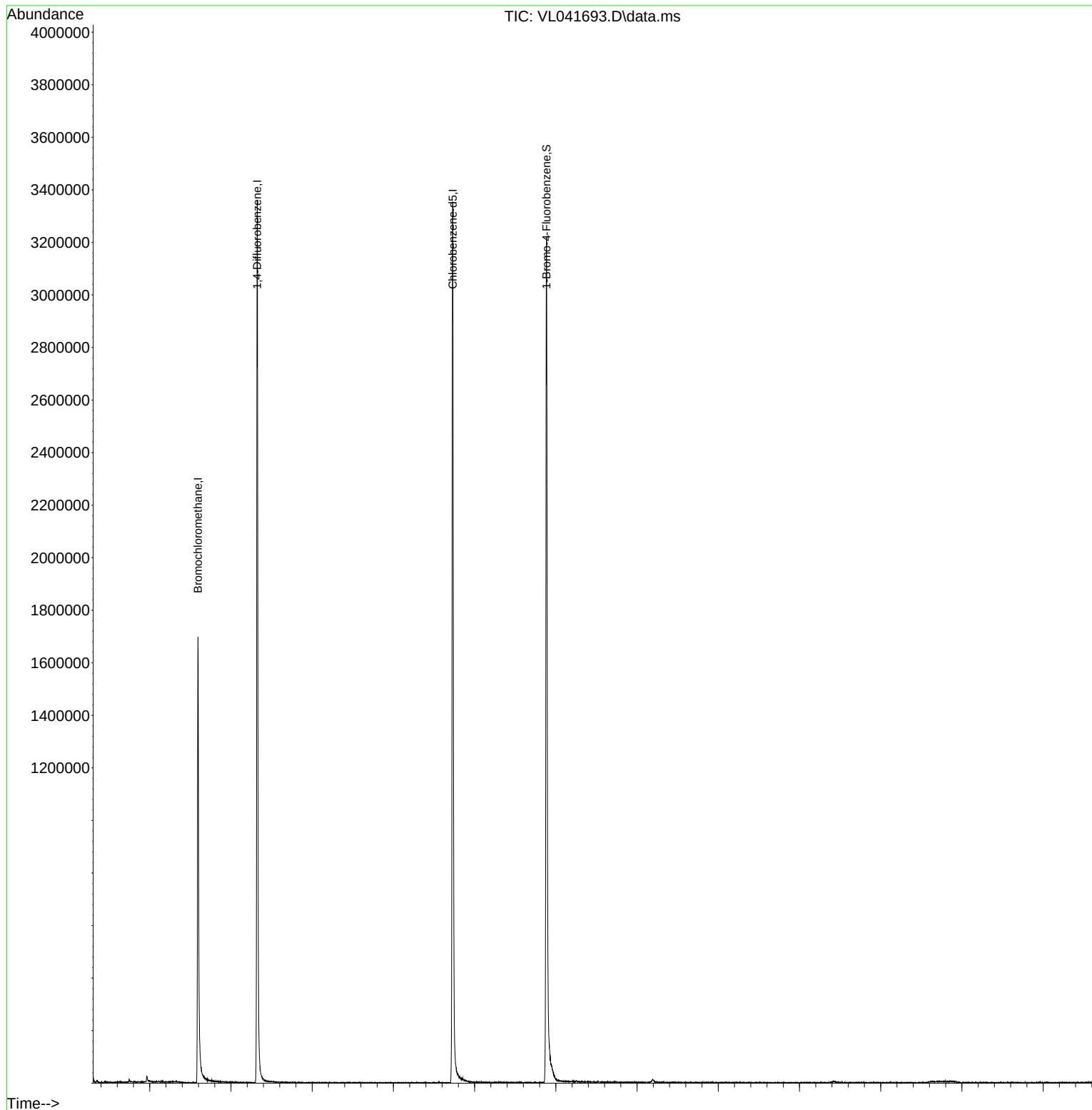
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041693.D
Acq On : 8 Nov 2024 1:00
Operator : SY/MD
Sample : CAN 10297
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10297

Quant Time: Nov 08 03:55:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Nov 08 01:01:00 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041694.D
 Acq On : 8 Nov 2024 1:39
 Operator : SY/MD
 Sample : CAN 10154
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10154

Quant Time: Nov 08 03:55:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	991197	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2720698	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2387368	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.770	95	1790227	10.177	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.800%

Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
Data File : VL041694.D
Acq On : 8 Nov 2024 1:39
Operator : SY/MD
Sample : CAN 10154
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10154

Quant Time: Nov 08 03:55:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Nov 08 01:01:00 2024
Response via : Initial Calibration

