

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031425\
 Data File : VL042141.D
 Acq On : 14 Mar 2025 08:39
 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 03/17/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 23:16:35 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	175939	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.959	114	420429	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.882	117	358414	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 293332 10.638 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	191974	10.493	ppbv	100
3) Chlorodifluoromethane	1.476	51	228149	8.922	ppbv	100
4) Chloromethane	1.532	50	72618	10.733	ppbv	97
5) Vinyl Chloride	1.580	62	70955	11.087	ppbv	96
6) Bromomethane	1.667	94	34387	11.284	ppbv	97
7) Chloroethane	1.703	64	27399	10.537	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	161623	10.746	ppbv	98
9) Propene	1.483	41	95933	9.209	ppbv	98
10) Heptane	4.979	43	269945	8.323	ppbv	98
11) Trichlorofluoromethane	1.875	101	202929	11.070	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.137	101	150319	10.280	ppbv	96
13) Ethanol	1.719	45	5940	8.982	ppbv	91
14) Bromoethene	1.781	108	55223	10.694	ppbv	99
15) Acetone	1.836	43	157921	10.164	ppbv	98
16) 1,3-Butadiene	1.609	39	76015	10.513	ppbv	99
17) tert-Butyl alcohol	2.040	59	177586	9.136	ppbv	100
18) 1,1-Dichloroethene	2.033	96	64716	9.795	ppbv	92
19) Isopropyl Alcohol	1.884	45	90039	10.088	ppbv	96
20) Methylene Chloride	2.059	84	64336	10.947	ppbv	97
21) Allyl Chloride	2.095	41	113949	10.150	ppbv	97
22) trans-1,2-Dichloroethene	2.341	96	80485	10.449	ppbv	90
23) Vinyl Acetate	2.460	43	94433	8.644	ppbv	99
24) 1,1-Dichloroethane	2.409	63	154561	10.784	ppbv	99
25) Ethyl Acetate	2.836	43	552236	8.880	ppbv	99
26) Hexane	2.823	57	224625	8.934	ppbv	98
27) Carbon Disulfide	2.150	76	186073	10.918	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	106326	8.494	ppbv	99
29) Chloroform	2.849	83	296552	8.764	ppbv	99
30) Cyclohexane	3.855	84	163459	8.010	ppbv	95
31) cis-1,2-Dichloroethene	2.719	61	193004	8.109	ppbv	98
32) 1,1,1-Trichloroethane	3.367	97	268630	8.184	ppbv	95
34) 2-Butanone	2.558	43	305355	9.323	ppbv	96
35) Carbon Tetrachloride	3.762	117	279849	9.653	ppbv	99
36) Benzene	3.655	78	399974	9.088	ppbv	95
37) 1,2-Dichloroethane	3.218	62	217321	8.906	ppbv	100
38) Trichloroethene	4.548	130	152158	8.466	ppbv	96
39) 1,2-Dichloropropane	4.315	63	150906	9.033	ppbv	96
40) 1,4-Dioxane	4.580	88	67340	8.830	ppbv #	99
41) Tetrahydrofuran	3.056	42	174452	9.014	ppbv	98
42) Bromodichloromethane	4.487	83	307764	9.361	ppbv	93
43) Methyl Methacrylate	4.881	69	145265	8.451	ppbv	96
44) 2,2,4-Trimethylpentane	4.635	57	717940	9.243	ppbv	98
45) t-1,3-Dichloropropene	6.412	75	135149	7.914	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	183303	8.295	ppbv	98
47) 1,1,2-Trichloroethane	6.581	97	154904	9.134	ppbv	96
48) Dibromochloromethane	7.387	129	239456	9.015	ppbv	98
49) Bromoform	9.484	173	213827	9.270	ppbv	99
50) 4-Methyl-2-Pentanone	5.755	43	408504	9.644	ppbv	96
51) 2-Hexanone	7.438	43	316988	10.872	ppbv #	98
52) Tetrachloroethene	8.225	164	129959	8.625	ppbv	98
53) Toluene	6.933	91	423735	8.614	ppbv	98
54) 1,2-Dibromoethane	7.652	107	201881	8.805	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.924	131	192287	9.492	ppbv	100
57) Chlorobenzene	8.921	112	344848	9.280	ppbv	99
58) Ethyl Benzene	9.354	91	572580	8.675	ppbv	100
59) m/p-Xylene	9.552	91	960961m	18.294	ppbv	
60) o-Xylene	9.963	91	485048	9.185	ppbv	99
61) Styrene	9.872	104	211885	8.535	ppbv	99
62) Isopropylbenzene	10.539	105	718498	9.085	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	341487	9.820	ppbv	100
64) n-propylbenzene	10.989	120	196285	9.462	ppbv	100
65) tert-Butylbenzene	11.533	119	655886	9.113	ppbv	98
66) Benzyl Chloride	11.617	91	45818	8.342	ppbv	97
67) sec-Butylbenzene	11.769	105	924266	8.979	ppbv	98
69) p-Isopropyltoluene	11.928	119	753153	9.197	ppbv	99
70) n-Butylbenzene	12.280	91	771737	9.232	ppbv	100
71) 2-Chlorotoluene	10.902	91	537863	8.822	ppbv	100
72) 4-Ethyltoluene	11.125	105	585082	9.074	ppbv	99
73) 1,3,5-Trimethylbenzene	11.203	105	494157	8.836	ppbv	98
74) 1,2,4-Trimethylbenzene	11.536	105	560827	8.905	ppbv	92
75) 1,3-Dichlorobenzene	11.607	146	336601	9.287	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	327927	9.113	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	330229	9.389	ppbv	99
78) Hexachloro-1,3-Butadiene	13.883	225	230108	8.408	ppbv	99
79) Naphthalene	13.514	128	481899	11.160	ppbv	100
80) Naphthalene,2-methyl-	14.459	142	151227	12.797	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	219258	9.111	ppbv	99

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

Manual Integrations APPROVED

Quant Time: Mar 14 23:16:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL02252SAIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

