

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042075.D
 Acq On : 03 Mar 2025 12:15
 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 03/04/2025
 Supervised By : Mahesh Dadoda 03/05/2025

Quant Time: Mar 04 00:16:36 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	173325	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.952	114	409365	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.875	117	350236	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 273654 10.156 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	176895	9.815	ppbv	98
3) Chlorodifluoromethane	1.473	51	229308	9.103	ppbv	100
4) Chloromethane	1.531	50	61184	9.180	ppbv	99
5) Vinyl Chloride	1.576	62	60317	9.567	ppbv	100
6) Bromomethane	1.664	94	30156	10.045	ppbv	92
7) Chloroethane	1.703	64	24074	9.398	ppbv	98
8) Dichlorotetrafluoroethane	1.550	85	144041	9.722	ppbv	99
9) Propene	1.482	41	95116	9.268	ppbv	99
10) Heptane	4.972	43	285343	8.930	ppbv	96
11) Trichlorofluoromethane	1.874	101	187492	10.382	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	142259	9.875	ppbv	98
13) Ethanol	1.719	45	3376	5.182	ppbv	95
14) Bromoethene	1.780	108	48570	9.548	ppbv	100
15) Acetone	1.832	43	133956	8.752	ppbv	99
16) 1,3-Butadiene	1.605	39	64990	9.124	ppbv	99
17) tert-Butyl alcohol	2.036	59	174843	9.130	ppbv	97
18) 1,1-Dichloroethene	2.029	96	62817	9.651	ppbv	98
19) Isopropyl Alcohol	1.884	45	79667	9.061	ppbv	100
20) Methylene Chloride	2.059	84	53086	9.169	ppbv	97
21) Allyl Chloride	2.091	41	107750	9.743	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	72547	9.561	ppbv	93
23) Vinyl Acetate	2.460	43	89888	8.352	ppbv	99
24) 1,1-Dichloroethane	2.405	63	136644	9.678	ppbv	99
25) Ethyl Acetate	2.832	43	563012	9.189	ppbv	99
26) Hexane	2.822	57	216702	8.749	ppbv	94
27) Carbon Disulfide	2.146	76	166324	9.906	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	102443	8.307	ppbv	99
29) Chloroform	2.845	83	294142	8.824	ppbv	100
30) Cyclohexane	3.852	84	170364	8.474	ppbv	91
31) cis-1,2-Dichloroethene	2.716	61	209328	8.928	ppbv	95
32) 1,1,1-Trichloroethane	3.363	97	275584	8.522	ppbv	94
34) 2-Butanone	2.554	43	324639	10.179	ppbv	96
35) Carbon Tetrachloride	3.755	117	281106	9.958	ppbv	93
36) Benzene	3.651	78	410714	9.584	ppbv	98
37) 1,2-Dichloroethane	3.214	62	235420	9.908	ppbv	98
38) Trichloroethene	4.541	130	154616	8.836	ppbv	99
39) 1,2-Dichloropropane	4.308	63	159010	9.776	ppbv	95
40) 1,4-Dioxane	4.577	88	69401	9.347	ppbv #	99
41) Tetrahydrofuran	3.052	42	189509	10.057	ppbv	97
42) Bromodichloromethane	4.483	83	315387	9.852	ppbv	97
43) Methyl Methacrylate	4.871	69	160485	9.589	ppbv	92
44) 2,2,4-Trimethylpentane	4.635	57	731737	9.675	ppbv	98
45) t-1,3-Dichloropropene	6.409	75	150198	9.033	ppbv	89

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	201389	9.360	ppbv	97
47) 1,1,2-Trichloroethane	6.574	97	155548	9.419	ppbv	94
48) Dibromochloromethane	7.380	129	244551	9.456	ppbv	99
49) Bromoform	9.477	173	215068	9.576	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	451104	10.937	ppbv	97
51) 2-Hexanone	7.428	43	364047	12.824	ppbv #	98
52) Tetrachloroethene	8.218	164	135049	9.205	ppbv	96
53) Toluene	6.926	91	448652	9.368	ppbv	99
54) 1,2-Dibromoethane	7.645	107	207672	9.302	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.917	131	186364	9.414	ppbv	99
57) Chlorobenzene	8.917	112	344415	9.485	ppbv	99
58) Ethyl Benzene	9.351	91	617808	9.578	ppbv	99
59) m/p-Xylene	9.545	91	999203m	19.467	ppbv	
60) o-Xylene	9.959	91	499183	9.674	ppbv	99
61) Styrene	9.865	104	239891	9.888	ppbv	99
62) Isopropylbenzene	10.535	105	742029	9.602	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.956	83	327826	9.647	ppbv	99
64) n-propylbenzene	10.985	120	194972	9.618	ppbv	95
65) tert-Butylbenzene	11.529	119	655219	9.316	ppbv	98
66) Benzyl Chloride	11.613	91	44259	8.247	ppbv	99
67) sec-Butylbenzene	11.765	105	956463	9.509	ppbv	100
69) p-Isopropyltoluene	11.924	119	773774	9.669	ppbv	99
70) n-Butylbenzene	12.280	91	803607	9.837	ppbv	99
71) 2-Chlorotoluene	10.898	91	568423	9.541	ppbv	99
72) 4-Ethyltoluene	11.121	105	607815	9.647	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	516320	9.447	ppbv	99
74) 1,2,4-Trimethylbenzene	11.532	105	569704	9.257	ppbv #	91
75) 1,3-Dichlorobenzene	11.603	146	332997	9.402	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	334533	9.513	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	328836	9.567	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	235840	8.819	ppbv	98
79) Naphthalene	13.510	128	519908	12.321	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	193268	16.737	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	237980	10.120	ppbv	98

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

