

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040225\
 Data File : VL042211.D
 Acq On : 02 Apr 2025 08:37
 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 04/03/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Apr 03 01:41:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	161260	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	460090	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.863	117	420497	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 348908 10.104 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.493	85	267318	11.227	ppbv	99
3) Chlorodifluoromethane	1.470	51	269207	11.068	ppbv	97
4) Chloromethane	1.528	50	105392	10.831	ppbv	99
5) Vinyl Chloride	1.574	62	98946	9.596	ppbv	96
6) Bromomethane	1.661	94	45763	10.378	ppbv	96
7) Chloroethane	1.697	64	39291	10.059	ppbv	92
8) Dichlorotetrafluoroethane	1.548	85	223786	11.037	ppbv	95
9) Propene	1.477	41	105335	9.448	ppbv	98
10) Heptane	4.956	43	304455	10.267	ppbv	100
11) Trichlorofluoromethane	1.868	101	259016	11.180	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.130	101	197679	10.381	ppbv	97
13) Ethanol	1.713	45	5425	5.147	ppbv	96
14) Bromoethene	1.774	108	74043	10.150	ppbv	99
15) Acetone	1.826	43	217441	9.641	ppbv	98
16) 1,3-Butadiene	1.603	39	105246	9.556	ppbv	98
17) tert-Butyl alcohol	2.033	59	280076	9.971	ppbv	99
18) 1,1-Dichloroethene	2.023	96	90865	10.207	ppbv	97
19) Isopropyl Alcohol	1.878	45	126448	9.937	ppbv	98
20) Methylene Chloride	2.053	84	82026	9.765	ppbv	98
21) Allyl Chloride	2.085	41	160348	10.081	ppbv	98
22) trans-1,2-Dichloroethene	2.331	96	101863	9.900	ppbv	99
23) Vinyl Acetate	2.454	43	84973	8.705	ppbv #	96
24) 1,1-Dichloroethane	2.399	63	201368	10.558	ppbv	98
25) Ethyl Acetate	2.823	43	626906	10.710	ppbv	99
26) Hexane	2.813	57	247723	10.957	ppbv	98
27) Carbon Disulfide	2.140	76	245604	10.130	ppbv	100
28) Methyl tert-Butyl Ether	2.428	73	136685	9.710	ppbv	96
29) Chloroform	2.836	83	380694	11.505	ppbv	100
30) Cyclohexane	3.839	84	204664	10.425	ppbv	97
31) cis-1,2-Dichloroethene	2.710	61	247426	10.779	ppbv	96
32) 1,1,1-Trichloroethane	3.354	97	403528	10.652	ppbv	99
34) 2-Butanone	2.545	43	354111	10.614	ppbv	100
35) Carbon Tetrachloride	3.742	117	407397	11.335	ppbv	99
36) Benzene	3.639	78	483334	10.597	ppbv	98
37) 1,2-Dichloroethane	3.205	62	307462	11.774	ppbv	98
38) Trichloroethene	4.525	130	199094	10.461	ppbv	97
39) 1,2-Dichloropropane	4.292	63	177282	10.672	ppbv	92
40) 1,4-Dioxane	4.561	88	87524	9.927	ppbv #	92
41) Tetrahydrofuran	3.040	42	200859	10.455	ppbv	100
42) Bromodichloromethane	4.470	83	416274	11.563	ppbv	99
43) Methyl Methacrylate	4.859	69	192210	9.954	ppbv	98
44) 2,2,4-Trimethylpentane	4.616	57	817788	10.610	ppbv	98
45) t-1,3-Dichloropropene	6.386	75	212796	10.272	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	262520	10.338	ppbv	98
47) 1,1,2-Trichloroethane	6.555	97	194135	11.056	ppbv	92
48) Dibromochloromethane	7.367	129	342757	11.518	ppbv	99
49) Bromoform	9.468	173	294684	11.030	ppbv	99
50) 4-Methyl-2-Pentanone	5.726	43	505465	9.560	ppbv	98
51) 2-Hexanone	7.416	43	401955	9.258	ppbv #	97
52) Tetrachloroethene	8.205	164	176588	9.762	ppbv	92
53) Toluene	6.911	91	566070	10.469	ppbv	100
54) 1,2-Dibromoethane	7.633	107	273624	11.178	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.908	131	264557	11.430	ppbv	99
57) Chlorobenzene	8.905	112	446293	11.190	ppbv	96
58) Ethyl Benzene	9.338	91	806990	10.804	ppbv	100
59) m/p-Xylene	9.536	91	1314419m	22.039	ppbv	
60) o-Xylene	9.947	91	660713	11.051	ppbv	99
61) Styrene	9.856	104	317396	10.730	ppbv	99
62) Isopropylbenzene	10.526	105	994497	11.123	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.947	83	400095	11.014	ppbv	99
64) n-propylbenzene	10.976	120	257771	11.200	ppbv	98
65) tert-Butylbenzene	11.520	119	895028	10.824	ppbv	98
66) Benzyl Chloride	11.604	91	76249	8.690	ppbv	99
67) sec-Butylbenzene	11.756	105	1246274	10.843	ppbv	100
69) p-Isopropyltoluene	11.915	119	1086376	10.977	ppbv	99
70) n-Butylbenzene	12.271	91	1129204	11.157	ppbv	99
71) 2-Chlorotoluene	10.889	91	767022	11.053	ppbv	99
72) 4-Ethyltoluene	11.112	105	827487	11.116	ppbv	99
73) 1,3,5-Trimethylbenzene	11.193	105	717175	11.031	ppbv	97
74) 1,2,4-Trimethylbenzene	11.526	105	782472	10.447	ppbv	97
75) 1,3-Dichlorobenzene	11.597	146	458806	11.168	ppbv	100
76) 1,4-Dichlorobenzene	11.659	146	460192	11.256	ppbv	100
77) 1,2-Dichlorobenzene	11.937	146	452758	11.319	ppbv	99
78) Hexachloro-1,3-Butadiene	13.870	225	386126	9.484	ppbv	99
79) Naphthalene	13.504	128	938531	11.455	ppbv	99
80) Naphthalene,2-methyl-	14.446	142	480160	11.951	ppbv	97
81) 1,2,4-Trichlorobenzene	13.429	180	418383	11.071	ppbv	99

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

