

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022725\
 Data File : VL042066.D
 Acq On : 27 Feb 2025 09:52
 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 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

Quant Time: Feb 28 00:22:07 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	2.800	49	162721	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	392831	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	336108	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.396 95 267067 10.328 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	173583	10.259	ppbv	99
3) Chlorodifluoromethane	1.483	51	233161	9.859	ppbv	100
4) Chloromethane	1.538	50	61750	9.868	ppbv	99
5) Vinyl Chloride	1.586	62	61173	10.335	ppbv	98
6) Bromomethane	1.674	94	29428	10.441	ppbv	90
7) Chloroethane	1.709	64	23950	9.959	ppbv	89
8) Dichlorotetrafluoroethane	1.560	85	139091	9.999	ppbv	99
9) Propene	1.489	41	91266	9.473	ppbv	100
10) Heptane	5.007	43	286248	9.542	ppbv	98
11) Trichlorofluoromethane	1.884	101	174383	10.285	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.149	101	125587	9.286	ppbv	100
13) Ethanol	1.729	45	3321	5.430	ppbv	92
14) Bromoethene	1.790	108	47798	10.008	ppbv	100
15) Acetone	1.842	43	130687	9.094	ppbv	99
16) 1,3-Butadiene	1.615	39	66219	9.902	ppbv	99
17) tert-Butyl alcohol	2.049	59	157381	8.754	ppbv	98
18) 1,1-Dichloroethene	2.042	96	57140	9.351	ppbv	89
19) Isopropyl Alcohol	1.894	45	72731	8.811	ppbv	95
20) Methylene Chloride	2.068	84	46329	8.523	ppbv	97
21) Allyl Chloride	2.104	41	96638	9.308	ppbv	99
22) trans-1,2-Dichloroethene	2.353	96	63150	8.865	ppbv	92
23) Vinyl Acetate	2.476	43	92502	9.155	ppbv	99
24) 1,1-Dichloroethane	2.421	63	121261	9.148	ppbv	99
25) Ethyl Acetate	2.852	43	568506	9.884	ppbv	99
26) Hexane	2.839	57	216949	9.330	ppbv	94
27) Carbon Disulfide	2.159	76	150101	9.522	ppbv	97
28) Methyl tert-Butyl Ether	2.454	73	131055	11.320	ppbv	100
29) Chloroform	2.865	83	295511	9.442	ppbv	99
30) Cyclohexane	3.878	84	171156	9.068	ppbv	91
31) cis-1,2-Dichloroethene	2.735	61	211707	9.617	ppbv	100
32) 1,1,1-Trichloroethane	3.386	97	281737	9.280	ppbv	96
34) 2-Butanone	2.570	43	328532	10.735	ppbv	95
35) Carbon Tetrachloride	3.784	117	281736	10.400	ppbv	98
36) Benzene	3.677	78	415968	10.115	ppbv	97
37) 1,2-Dichloroethane	3.237	62	237745	10.427	ppbv	98
38) Trichloroethene	4.574	130	155654	9.269	ppbv	99
39) 1,2-Dichloropropane	4.340	63	156581	10.031	ppbv	98
40) 1,4-Dioxane	4.612	88	67551	9.480	ppbv #	93
41) Tetrahydrofuran	3.072	42	187930	10.393	ppbv	98
42) Bromodichloromethane	4.515	83	315419	10.268	ppbv	100
43) Methyl Methacrylate	4.907	69	162597	10.124	ppbv	92
44) 2,2,4-Trimethylpentane	4.667	57	739087	10.183	ppbv	99
45) t-1,3-Dichloropropene	6.448	75	158174	9.913	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	209028	10.124	ppbv	94
47) 1,1,2-Trichloroethane	6.613	97	154416	9.745	ppbv	97
48) Dibromochloromethane	7.415	129	242372	9.766	ppbv	98
49) Bromoform	9.506	173	210571	9.770	ppbv	97
50) 4-Methyl-2-Pentanone	5.790	43	453208	11.450	ppbv	97
51) 2-Hexanone	7.464	43	365891	13.432	ppbv #	99
52) Tetrachloroethene	8.247	164	132672	9.424	ppbv	93
53) Toluene	6.962	91	451339	9.820	ppbv	99
54) 1,2-Dibromoethane	7.677	107	206018	9.616	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.946	131	187290	9.859	ppbv	99
57) Chlorobenzene	8.943	112	344354	9.882	ppbv	97
58) Ethyl Benzene	9.377	91	623468	10.072	ppbv	97
59) m/p-Xylene	9.571	91	999020m	20.281	ppbv	
60) o-Xylene	9.985	91	496842	10.033	ppbv	99
61) Styrene	9.891	104	236625	10.164	ppbv	99
62) Isopropylbenzene	10.558	105	740293	9.982	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.982	83	328074	10.060	ppbv	99
64) n-propylbenzene	11.005	120	196197	10.086	ppbv	97
65) tert-Butylbenzene	11.548	119	653248	9.678	ppbv	99
66) Benzyl Chloride	11.633	91	44563	8.652	ppbv	98
67) sec-Butylbenzene	11.785	105	949676	9.838	ppbv	100
69) p-Isopropyltoluene	11.940	119	766262	9.978	ppbv	100
70) n-Butylbenzene	12.296	91	795100	10.142	ppbv	99
71) 2-Chlorotoluene	10.917	91	571270	9.992	ppbv	99
72) 4-Ethyltoluene	11.144	105	611613	10.115	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	518797	9.892	ppbv	98
74) 1,2,4-Trimethylbenzene	11.555	105	561932	9.515	ppbv	98
75) 1,3-Dichlorobenzene	11.623	146	331331	9.748	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	325683	9.651	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	325528	9.869	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	234905	9.153	ppbv	99
79) Naphthalene	13.529	128	520726	12.859	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	202710	18.292	ppbv	99
81) 1,2,4-Trichlorobenzene	13.455	180	234860	10.407	ppbv	98

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

