

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022525\
 Data File : VL042044.D
 Acq On : 25 Feb 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Feb 25 10:56:41 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 : Tue Feb 25 10:31:48 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

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

Internal Standards						
1) Bromochloromethane	2.797	49	159644	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	421340	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	365954	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	281042	9.310	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	8852	0.322	ppbv	98
3) Chlorodifluoromethane	1.479	51	11921	0.392	ppbv	94
4) Chloromethane	1.537	50	3497	0.327	ppbv #	88
5) Vinyl Chloride	1.583	62	3005	0.235	ppbv	98
6) Bromomethane	1.673	94	1359	0.275	ppbv	92
7) Chloroethane	1.709	64	1205	0.290	ppbv	89
8) Dichlorotetrafluoroethane	1.557	85	7123	0.295	ppbv	99
9) Propene	1.486	41	4904	0.374	ppbv	94
10) Heptane	5.004	43	15731	0.432	ppbv	98
11) Trichlorofluoromethane	1.884	101	8429	0.305	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.146	101	7336	0.340	ppbv	98
13) Ethanol	1.725	45	426	0.288	ppbv	75
14) Bromoethene	1.787	108	2598	0.323	ppbv #	89
15) Acetone	1.842	43	8655	0.328	ppbv	96
16) 1,3-Butadiene	1.615	39	3803	0.304	ppbv	97
17) tert-Butyl alcohol	2.049	59	9447	0.290	ppbv #	90
18) 1,1-Dichloroethene	2.039	96	3173	0.308	ppbv	94
19) Isopropyl Alcohol	1.894	45	4481	0.303	ppbv #	32
20) Methylene Chloride	2.068	84	3423	0.345	ppbv	97
21) Allyl Chloride	2.104	41	5640	0.296	ppbv	100
22) trans-1,2-Dichloroethene	2.347	96	3838m	0.343	ppbv	
23) Vinyl Acetate	2.473	43	5499	0.385	ppbv #	86
24) 1,1-Dichloroethane	2.418	63	7396	0.326	ppbv #	88
25) Ethyl Acetate	2.848	43	30593	0.423	ppbv	98
26) Hexane	2.832	57	12739	0.439	ppbv	98
27) Carbon Disulfide	2.159	76	8316	0.305	ppbv #	15
28) Methyl tert-Butyl Ether	2.450	73	5185	0.292	ppbv #	80
29) Chloroform	2.858	83	17278	0.411	ppbv	93
30) Cyclohexane	3.874	84	9209	0.391	ppbv	88
31) cis-1,2-Dichloroethene	2.729	61	11344	0.395	ppbv	97
32) 1,1,1-Trichloroethane	3.382	97	15027	0.322	ppbv	93
34) 2-Butanone	2.570	43	17555	0.484	ppbv	99
35) Carbon Tetrachloride	3.780	117	14223	0.348	ppbv	90
36) Benzene	3.670	78	22728	0.445	ppbv	95
37) 1,2-Dichloroethane	3.230	62	13141	0.452	ppbv	100
38) Trichloroethene	4.570	130	9115	0.440	ppbv #	87
39) 1,2-Dichloropropane	4.331	63	8877m	0.474	ppbv	
40) 1,4-Dioxane	4.622	88	4046m	0.416	ppbv	
41) Tetrahydrofuran	3.078	42	9880	0.477	ppbv	98
42) Bromodichloromethane	4.505	83	16973	0.431	ppbv #	96
43) Methyl Methacrylate	4.904	69	8428	0.362	ppbv	93
44) 2,2,4-Trimethylpentane	4.661	57	40623	0.469	ppbv	98
45) t-1,3-Dichloropropene	6.441	75	8720m	0.397	ppbv	

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Feb 25 10:31:48 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.629	75	10834m	0.389	ppbv	
47) 1,1,2-Trichloroethane	6.609	97	8982m	0.456	ppbv	
48) Dibromochloromethane	7.406	129	13014m	0.395	ppbv	
49) Bromoform	9.496	173	11640	0.430	ppbv	98
50) 4-Methyl-2-Pentanone	5.794	43	20992m	0.377	ppbv	
51) 2-Hexanone	7.470	43	12149m	0.267	ppbv	
52) Tetrachloroethene	8.241	164	8012	0.450	ppbv	95
53) Toluene	6.956	91	24224	0.398	ppbv	96
54) 1,2-Dibromoethane	7.674	107	11718m	0.432	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.940	131	11100	0.424	ppbv #	61
57) Chlorobenzene	8.936	112	20167	0.468	ppbv	97
58) Ethyl Benzene	9.370	91	34506	0.431	ppbv	90
59) m/p-Xylene	9.568	91	54449m	0.863	ppbv	
60) o-Xylene	9.979	91	28757	0.451	ppbv	95
61) Styrene	9.885	104	12051	0.396	ppbv	99
62) Isopropylbenzene	10.552	105	42074	0.439	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.975	83	18774	0.456	ppbv	96
64) n-propylbenzene	11.001	120	10900	0.463	ppbv	100
65) tert-Butylbenzene	11.542	119	38066	0.456	ppbv	98
66) Benzyl Chloride	11.626	91	2589	0.309	ppbv #	96
67) sec-Butylbenzene	11.778	105	54394	0.464	ppbv	97
69) p-Isopropyltoluene	11.937	119	40978	0.427	ppbv	95
70) n-Butylbenzene	12.293	91	42673	0.451	ppbv	99
71) 2-Chlorotoluene	10.914	91	32161	0.446	ppbv	99
72) 4-Ethyltoluene	11.137	105	32477	0.434	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.215	105	29130	0.452	ppbv	91
74) 1,2,4-Trimethylbenzene	11.548	105	33950	0.491	ppbv	97
75) 1,3-Dichlorobenzene	11.616	146	20339	0.546	ppbv	96
76) 1,4-Dichlorobenzene	11.684	146	20492	0.564	ppbv	93
77) 1,2-Dichlorobenzene	11.959	146	19373	0.544	ppbv	96
78) Hexachloro-1,3-Butadiene	13.892	225	15367	0.522	ppbv	99
79) Naphthalene	13.523	128	17897	0.263	ppbv #	95
80) Naphthalene,2-methyl-	14.478	142	1646	0.053	ppbv #	81
81) 1,2,4-Trichlorobenzene	13.452	180	10771	0.389	ppbv	94

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

