

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041861.D
 Acq On : 09 Jan 2025 12:22
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 09 13:30:32 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M

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

QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.803	49	143443	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	434494	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	394905	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 317281 9.381 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	25040	1.064	ppbv	98
3) Chlorodifluoromethane	1.483	51	26900	1.196	ppbv	99
4) Chloromethane	1.541	50	9681	1.000	ppbv	90
5) Vinyl Chloride	1.586	62	9371	0.960	ppbv	97
6) Bromomethane	1.674	94	4513	1.079	ppbv	97
7) Chloroethane	1.712	64	4049	1.077	ppbv	97
8) Dichlorotetrafluoroethane	1.560	85	20696	1.019	ppbv	93
9) Propene	1.489	41	13149	1.680	ppbv	93
10) Heptane	5.011	43	33313	1.722	ppbv	99
11) Trichlorofluoromethane	1.887	101	24866	1.039	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.153	101	20153	1.131	ppbv	91
13) Ethanol	1.729	45	857m	0.962	ppbv	
14) Bromoethene	1.790	108	6917	1.185	ppbv #	85
15) Acetone	1.845	43	28258	1.070	ppbv #	86
16) 1,3-Butadiene	1.615	39	10650	1.028	ppbv	95
17) tert-Butyl alcohol	2.052	59	29021	1.268	ppbv #	92
18) 1,1-Dichloroethene	2.046	96	9481	1.270	ppbv	80
19) Isopropyl Alcohol	1.897	45	13968	1.127	ppbv #	97
20) Methylene Chloride	2.072	84	9326	1.235	ppbv	89
21) Allyl Chloride	2.107	41	16109	1.184	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	11020m	1.321	ppbv	
23) Vinyl Acetate	2.473	43	11666	1.377	ppbv #	95
24) 1,1-Dichloroethane	2.421	63	20750	1.137	ppbv #	94
25) Ethyl Acetate	2.855	43	62927	1.421	ppbv #	96
26) Hexane	2.842	57	25792	1.678	ppbv	89
27) Carbon Disulfide	2.162	76	24132	1.654	ppbv #	53
28) Methyl tert-Butyl Ether	2.457	73	19330	1.669	ppbv	99
29) Chloroform	2.865	83	36445	1.276	ppbv	100
30) Cyclohexane	3.881	84	21797	1.869	ppbv	92
31) cis-1,2-Dichloroethene	2.735	61	25721	1.626	ppbv	98
32) 1,1,1-Trichloroethane	3.389	97	34347	1.327	ppbv	95
34) 2-Butanone	2.573	43	37395	1.093	ppbv	96
35) Carbon Tetrachloride	3.784	117	33087	1.008	ppbv	94
36) Benzene	3.677	78	52621	1.268	ppbv #	91
37) 1,2-Dichloroethane	3.237	62	26348	0.966	ppbv #	93
38) Trichloroethene	4.577	130	20492	1.259	ppbv	97
39) 1,2-Dichloropropane	4.341	63	18342	1.142	ppbv #	78
40) 1,4-Dioxane	4.622	88	9193m	1.478	ppbv	
41) Tetrahydrofuran	3.082	42	21802	1.351	ppbv	89
42) Bromodichloromethane	4.515	83	37075	1.159	ppbv #	90
43) Methyl Methacrylate	4.913	69	20990	1.610	ppbv	93
44) 2,2,4-Trimethylpentane	4.671	57	89035	1.302	ppbv	92
45) t-1,3-Dichloropropene	6.448	75	21319m	1.675	ppbv	

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QLast Update : Wed Jan 08 03:26:12 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	27792m	1.660	ppbv	
47) 1,1,2-Trichloroethane	6.619	97	19621	1.155	ppbv	97
48) Dibromochloromethane	7.412	129	27553m	1.275	ppbv	
49) Bromoform	9.503	173	24569	1.418	ppbv	99
50) 4-Methyl-2-Pentanone	5.800	43	53757m	1.359	ppbv	
51) 2-Hexanone	7.470	43	43139m	1.440	ppbv	
52) Tetrachloroethene	8.250	164	18665	1.516	ppbv	91
53) Toluene	6.962	91	62304	1.685	ppbv	99
54) 1,2-Dibromoethane	7.678	107	26769	1.287	ppbv	89
56) 1,1,1,2-Tetrachloroethane	8.946	131	24293	1.079	ppbv #	91
57) Chlorobenzene	8.946	112	47288	1.146	ppbv	92
58) Ethyl Benzene	9.377	91	84795	1.575	ppbv	99
59) m/p-Xylene	9.552	91	135481m	2.852	ppbv	
60) o-Xylene	9.982	91	67480	1.460	ppbv	100
61) Styrene	9.891	104	32180	1.795	ppbv	99
62) Isopropylbenzene	10.558	105	101824	1.402	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.985	83	39140	0.966	ppbv	96
64) n-propylbenzene	11.008	120	26642	1.430	ppbv	99
65) tert-Butylbenzene	11.549	119	95303	1.457	ppbv	95
66) Benzyl Chloride	11.633	91	9179	1.679	ppbv #	91
67) sec-Butylbenzene	11.785	105	130334	1.365	ppbv	98
69) p-Isopropyltoluene	11.943	119	112256	1.498	ppbv	98
70) n-Butylbenzene	12.299	91	111884	1.486	ppbv	99
71) 2-Chlorotoluene	10.917	91	79598	1.510	ppbv	99
72) 4-Ethyltoluene	11.141	105	84096	1.505	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	71812	1.467	ppbv	98
74) 1,2,4-Trimethylbenzene	11.552	105	79018	1.394	ppbv #	92
75) 1,3-Dichlorobenzene	11.623	146	46462	1.224	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	45316	1.241	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	44103	1.115	ppbv	98
78) Hexachloro-1,3-Butadiene	13.898	225	40100	1.428	ppbv	98
79) Naphthalene	13.529	128	86398	2.069	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	49807	3.222	ppbv	96
81) 1,2,4-Trichlorobenzene	13.455	180	42679	1.844	ppbv	99

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

