

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041865.D
 Acq On : 09 Jan 2025 14:27
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

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

Quant Time: Jan 09 14:50:25 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 : Thu Jan 09 13:37:17 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	137279	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	407583	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	378604	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 299372 9.232 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 92.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	313199	13.904	ppbv	97
3) Chlorodifluoromethane	1.483	51	337217	15.668	ppbv	100
4) Chloromethane	1.538	50	123832	13.369	ppbv	97
5) Vinyl Chloride	1.586	62	121286	12.983	ppbv	100
6) Bromomethane	1.674	94	60238	15.053	ppbv	100
7) Chloroethane	1.713	64	50126	13.938	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	278524	14.332	ppbv	94
9) Propene	1.489	41	153753	20.521	ppbv	97
10) Heptane	5.007	43	414222	22.380	ppbv	95
11) Trichlorofluoromethane	1.887	101	330865	14.446	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.149	101	265740	15.579	ppbv	93
13) Ethanol	1.729	45	7417m	8.701	ppbv	
14) Bromoethene	1.790	108	96283	17.241	ppbv #	97
15) Acetone	1.842	43	266190	10.532	ppbv	95
16) 1,3-Butadiene	1.615	39	126652	12.779	ppbv	92
17) tert-Butyl alcohol	2.049	59	359488	16.415	ppbv	99
18) 1,1-Dichloroethene	2.043	96	119220	16.693	ppbv	89
19) Isopropyl Alcohol	1.894	45	160227	13.505	ppbv #	1
20) Methylene Chloride	2.072	84	99639	13.790	ppbv	86
21) Allyl Chloride	2.107	41	206645	15.872	ppbv	90
22) trans-1,2-Dichloroethene	2.353	96	135232	16.942	ppbv	91
23) Vinyl Acetate	2.476	43	172469	21.278	ppbv #	93
24) 1,1-Dichloroethane	2.421	63	258532	14.799	ppbv	98
25) Ethyl Acetate	2.852	43	804978	18.993	ppbv	98
26) Hexane	2.842	57	323683	22.004	ppbv	88
27) Carbon Disulfide	2.162	76	327476	23.457	ppbv #	91
28) Methyl tert-Butyl Ether	2.454	73	238377	21.502	ppbv	98
29) Chloroform	2.865	83	453699	16.603	ppbv	97
30) Cyclohexane	3.878	84	283640	25.414	ppbv	89
31) cis-1,2-Dichloroethene	2.735	61	319115	21.076	ppbv	95
32) 1,1,1-Trichloroethane	3.389	97	467121	18.862	ppbv	94
34) 2-Butanone	2.570	43	467080	14.548	ppbv	96
35) Carbon Tetrachloride	3.784	117	460791	14.959	ppbv	93
36) Benzene	3.677	78	663984	17.053	ppbv	95
37) 1,2-Dichloroethane	3.237	62	353759	13.820	ppbv #	96
38) Trichloroethene	4.577	130	262977	17.230	ppbv	97
39) 1,2-Dichloropropane	4.341	63	238460	15.832	ppbv #	84
40) 1,4-Dioxane	4.609	88	117449	20.124	ppbv #	84
41) Tetrahydrofuran	3.072	42	273858	18.096	ppbv	92
42) Bromodichloromethane	4.515	83	507098	16.892	ppbv	100
43) Methyl Methacrylate	4.910	69	276446	22.609	ppbv	89
44) 2,2,4-Trimethylpentane	4.668	57	1112501	17.341	ppbv	93
45) t-1,3-Dichloropropene	6.448	75	290137	24.306	ppbv	91

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	370479	23.592	ppbv #	85
47) 1,1,2-Trichloroethane	6.616	97	252224	15.833	ppbv	96
48) Dibromochloromethane	7.412	129	408959	20.167	ppbv	99
49) Bromoform	9.503	173	362905	22.331	ppbv	99
50) 4-Methyl-2-Pentanone	5.787	43	680330	18.341	ppbv	92
51) 2-Hexanone	7.461	43	557793	19.852	ppbv #	87
52) Tetrachloroethene	8.247	164	233663	20.236	ppbv	97
53) Toluene	6.966	91	796461	22.957	ppbv	99
54) 1,2-Dibromoethane	7.678	107	353045	18.098	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.946	131	318489	14.760	ppbv	99
57) Chlorobenzene	8.943	112	578775	14.632	ppbv	100
58) Ethyl Benzene	9.377	91	1081235	20.954	ppbv	100
59) m/p-Xylene	9.574	91	1713669m	37.624	ppbv	
60) o-Xylene	9.985	91	840494	18.971	ppbv	99
61) Styrene	9.892	104	431280	25.091	ppbv	98
62) Isopropylbenzene	10.558	105	1247161	17.917	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.982	83	496124	12.770	ppbv	100
64) n-propylbenzene	11.008	120	326937	18.307	ppbv	90
65) tert-Butylbenzene	11.549	119	1082296	17.255	ppbv	97
66) Benzyl Chloride	11.633	91	113138	21.582	ppbv	96
67) sec-Butylbenzene	11.785	105	1472665	16.090	ppbv	97
69) p-Isopropyltoluene	11.944	119	1277666	17.781	ppbv	98
70) n-Butylbenzene	12.300	91	1262477	17.488	ppbv	95
71) 2-Chlorotoluene	10.921	91	958596	18.973	ppbv	100
72) 4-Ethyltoluene	11.144	105	1009262	18.837	ppbv	98
73) 1,3,5-Trimethylbenzene	11.222	105	866209	18.459	ppbv	96
74) 1,2,4-Trimethylbenzene	11.555	105	905561	16.660	ppbv	92
75) 1,3-Dichlorobenzene	11.626	146	550141	15.122	ppbv	98
76) 1,4-Dichlorobenzene	11.688	146	550306	15.719	ppbv	98
77) 1,2-Dichlorobenzene	11.966	146	519421	13.701	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	411642	15.294	ppbv	99
79) Naphthalene	13.529	128	896443	22.388	ppbv	98
80) Naphthalene,2-methyl-	14.475	142	442992	29.892	ppbv	98
81) 1,2,4-Trichlorobenzene	13.458	180	436412	19.665	ppbv	99

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

