

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021025\
 Data File : VL041993.D
 Acq On : 10 Feb 2025 17:52
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/11/2025
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 01:27:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	132613	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.952	114	372174	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.875	117	328288	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 245358 9.489 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	187441	10.377	ppbv	97
3) Chlorodifluoromethane	1.473	51	208163	11.000	ppbv	99
4) Chloromethane	1.531	50	77124	11.353	ppbv	98
5) Vinyl Chloride	1.576	62	74402	10.812	ppbv	96
6) Bromomethane	1.667	94	34334	10.469	ppbv	98
7) Chloroethane	1.703	64	29648	11.074	ppbv	97
8) Dichlorotetrafluoroethane	1.550	85	170316	10.789	ppbv	100
9) Propene	1.482	41	85059	10.912	ppbv	97
10) Heptane	4.972	43	247164	11.862	ppbv	98
11) Trichlorofluoromethane	1.874	101	200701	10.681	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	162249	11.017	ppbv	99
13) Ethanol	1.719	45	4564	7.993	ppbv	88
14) Bromoethene	1.780	108	55723	10.335	ppbv	97
15) Acetone	1.832	43	165943	10.418	ppbv	99
16) 1,3-Butadiene	1.605	39	79976	11.187	ppbv	97
17) tert-Butyl alcohol	2.036	59	199491	10.176	ppbv	99
18) 1,1-Dichloroethene	2.029	96	70627	10.641	ppbv	97
19) Isopropyl Alcohol	1.884	45	96367	10.204	ppbv	96
20) Methylene Chloride	2.059	84	61283	9.736	ppbv	98
21) Allyl Chloride	2.094	41	122898	11.143	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	82351	10.993	ppbv	99
23) Vinyl Acetate	2.460	43	87975	11.143	ppbv	97
24) 1,1-Dichloroethane	2.405	63	161579	11.152	ppbv	99
25) Ethyl Acetate	2.832	43	505363	11.766	ppbv	100
26) Hexane	2.822	57	198387	11.679	ppbv	96
27) Carbon Disulfide	2.146	76	189804	11.291	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	116710	8.989	ppbv	99
29) Chloroform	2.845	83	299794	11.164	ppbv	96
30) Cyclohexane	3.852	84	167220	11.349	ppbv	99
31) cis-1,2-Dichloroethene	2.716	61	195851	10.950	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	284999	11.092	ppbv	99
34) 2-Butanone	2.554	43	292289	12.349	ppbv	99
35) Carbon Tetrachloride	3.758	117	284266	12.160	ppbv	99
36) Benzene	3.651	78	402965	11.805	ppbv	98
37) 1,2-Dichloroethane	3.214	62	223262	11.646	ppbv	99
38) Trichloroethene	4.544	130	159550	11.778	ppbv	98
39) 1,2-Dichloropropane	4.305	63	142297	11.884	ppbv	98
40) 1,4-Dioxane	4.580	88	66947	11.071	ppbv #	94
41) Tetrahydrofuran	3.052	42	164651	12.800	ppbv	98
42) Bromodichloromethane	4.483	83	304019	11.827	ppbv	97
43) Methyl Methacrylate	4.875	69	150330	11.855	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	683444	12.378	ppbv	99
45) t-1,3-Dichloropropene	6.409	75	137787	11.608	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	185097	11.877	ppbv	97
47) 1,1,2-Trichloroethane	6.570	97	156072	12.298	ppbv	98
48) Dibromochloromethane	7.380	129	243943	12.458	ppbv	98
49) Bromoform	9.477	173	203178	12.632	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	391463	12.116	ppbv	99
51) 2-Hexanone	7.431	43	301468	12.143	ppbv #	96
52) Tetrachloroethene	8.218	164	132255	11.174	ppbv	98
53) Toluene	6.927	91	448502	12.062	ppbv	99
54) 1,2-Dibromoethane	7.645	107	208549	11.954	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.917	131	200460	12.239	ppbv	99
57) Chlorobenzene	8.917	112	360197	11.895	ppbv	96
58) Ethyl Benzene	9.351	91	615926	12.005	ppbv	98
59) m/p-Xylene	9.545	91	1001125m	24.344	ppbv	
60) o-Xylene	9.959	91	505219	12.377	ppbv	100
61) Styrene	9.865	104	228735	12.492	ppbv	99
62) Isopropylbenzene	10.535	105	750312	11.879	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.956	83	316337	12.128	ppbv	100
64) n-propylbenzene	10.985	120	192838	12.083	ppbv	99
65) tert-Butylbenzene	11.529	119	681514	11.840	ppbv	100
66) Benzyl Chloride	11.613	91	39317	11.036	ppbv	98
67) sec-Butylbenzene	11.765	105	952024	12.012	ppbv	100
69) p-Isopropyltoluene	11.924	119	779644	11.945	ppbv	99
70) n-Butylbenzene	12.277	91	763428	11.794	ppbv	99
71) 2-Chlorotoluene	10.898	91	555610	11.892	ppbv	99
72) 4-Ethyltoluene	11.121	105	598417	12.256	ppbv	100
73) 1,3,5-Trimethylbenzene	11.199	105	513748	11.915	ppbv	97
74) 1,2,4-Trimethylbenzene	11.532	105	556350	11.915	ppbv	99
75) 1,3-Dichlorobenzene	11.603	146	326166	11.788	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	316981	11.709	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	318070	11.599	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	224864	9.990	ppbv	100
79) Naphthalene	13.510	128	488219	10.384	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	140342	6.296	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	221216	9.640	ppbv	98

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

