

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042115.D
 Acq On : 10 Mar 2025 09:08
 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 03/11/2025
 Supervised By :Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 01:20:35 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	2.797	49	165085	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	392891	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	342991	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 279482 10.591 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	176674	10.292	ppbv	100
3) Chlorodifluoromethane	1.479	51	214625	8.945	ppbv	100
4) Chloromethane	1.538	50	66603	10.491	ppbv	99
5) Vinyl Chloride	1.586	62	63194	10.524	ppbv	99
6) Bromomethane	1.674	94	31189	10.908	ppbv	95
7) Chloroethane	1.709	64	25650	10.513	ppbv	96
8) Dichlorotetrafluoroethane	1.560	85	149265	10.577	ppbv	96
9) Propene	1.489	41	84787	8.674	ppbv	97
10) Heptane	5.004	43	250763	8.240	ppbv	99
11) Trichlorofluoromethane	1.884	101	186477	10.841	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.146	101	135213	9.855	ppbv	95
13) Ethanol	1.729	45	4581	7.383	ppbv	100
14) Bromoethene	1.787	108	49525	10.221	ppbv	99
15) Acetone	1.842	43	143215	9.824	ppbv	98
16) 1,3-Butadiene	1.615	39	69593	10.258	ppbv	97
17) tert-Butyl alcohol	2.049	59	159834	8.763	ppbv	99
18) 1,1-Dichloroethene	2.043	96	60058	9.687	ppbv	93
19) Isopropyl Alcohol	1.894	45	80799	9.648	ppbv	95
20) Methylene Chloride	2.068	84	54929	9.961	ppbv	94
21) Allyl Chloride	2.104	41	103183	9.796	ppbv	97
22) trans-1,2-Dichloroethene	2.350	96	72057	9.970	ppbv	93
23) Vinyl Acetate	2.473	43	75424	7.358	ppbv #	97
24) 1,1-Dichloroethane	2.418	63	139243	10.354	ppbv	99
25) Ethyl Acetate	2.848	43	504073	8.638	ppbv	99
26) Hexane	2.839	57	200177	8.485	ppbv	97
27) Carbon Disulfide	2.159	76	161105	10.074	ppbv	99
28) Methyl tert-Butyl Ether	2.450	73	124414	10.593	ppbv	96
29) Chloroform	2.861	83	278501	8.771	ppbv	97
30) Cyclohexane	3.874	84	154573	8.072	ppbv	98
31) cis-1,2-Dichloroethene	2.732	61	173603	7.774	ppbv	98
32) 1,1,1-Trichloroethane	3.382	97	245078	7.957	ppbv	95
34) 2-Butanone	2.570	43	280396	9.161	ppbv	96
35) Carbon Tetrachloride	3.777	117	263471	9.725	ppbv	96
36) Benzene	3.671	78	373628	9.084	ppbv	99
37) 1,2-Dichloroethane	3.234	62	197592	8.665	ppbv	100
38) Trichloroethene	4.567	130	141399	8.419	ppbv	91
39) 1,2-Dichloropropane	4.331	63	143609	9.199	ppbv	96
40) 1,4-Dioxane	4.609	88	66354	9.311	ppbv #	98
41) Tetrahydrofuran	3.069	42	160836	8.893	ppbv	96
42) Bromodichloromethane	4.509	83	282060	9.180	ppbv	98
43) Methyl Methacrylate	4.907	69	131818	8.207	ppbv	95
44) 2,2,4-Trimethylpentane	4.661	57	672958	9.271	ppbv	98
45) t-1,3-Dichloropropene	6.441	75	120441	7.547	ppbv	97

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QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.625	75	168796	8.174	ppbv	98
47) 1,1,2-Trichloroethane	6.603	97	144966m	9.147	ppbv	
48) Dibromochloromethane	7.406	129	223556	9.006	ppbv	98
49) Bromoform	9.500	173	202719	9.404	ppbv	98
50) 4-Methyl-2-Pentanone	5.784	43	384115	9.703	ppbv	98
51) 2-Hexanone	7.457	43	305375	11.208	ppbv #	98
52) Tetrachloroethene	8.244	164	120090	8.529	ppbv	97
53) Toluene	6.959	91	388571	8.453	ppbv	99
54) 1,2-Dibromoethane	7.671	107	189652	8.851	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.943	131	184992	9.542	ppbv	99
57) Chlorobenzene	8.937	112	330038	9.281	ppbv	99
58) Ethyl Benzene	9.370	91	549396	8.698	ppbv	100
59) m/p-Xylene	9.564	91	930397m	18.509	ppbv	
60) o-Xylene	9.979	91	466520	9.232	ppbv	98
61) Styrene	9.885	104	204092	8.590	ppbv	98
62) Isopropylbenzene	10.552	105	696113	9.198	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.979	83	327603	9.844	ppbv	99
64) n-propylbenzene	11.002	120	187705	9.455	ppbv	99
65) tert-Butylbenzene	11.542	119	627319	9.108	ppbv	99
66) Benzyl Chloride	11.626	91	43097	8.200	ppbv	100
67) sec-Butylbenzene	11.782	105	899556	9.132	ppbv	99
69) p-Isopropyltoluene	11.937	119	744068	9.494	ppbv	99
70) n-Butylbenzene	12.293	91	759905	9.499	ppbv	99
71) 2-Chlorotoluene	10.914	91	515375	8.834	ppbv	99
72) 4-Ethyltoluene	11.137	105	566348	9.179	ppbv	100
73) 1,3,5-Trimethylbenzene	11.218	105	480409	8.976	ppbv	99
74) 1,2,4-Trimethylbenzene	11.549	105	550074	9.127	ppbv	95
75) 1,3-Dichlorobenzene	11.620	146	325514	9.385	ppbv	99
76) 1,4-Dichlorobenzene	11.684	146	321685	9.341	ppbv	100
77) 1,2-Dichlorobenzene	11.960	146	322300	9.575	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	221283	8.449	ppbv	100
79) Naphthalene	13.526	128	470224	11.379	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	147775	13.067	ppbv	99
81) 1,2,4-Trichlorobenzene	13.455	180	214425	9.311	ppbv	99

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

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