

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
 Data File : VL042215.D
 Acq On : 04 Apr 2025 08:58
 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 04/07/2025
 Supervised By : Mahesh Dadoda 04/08/2025

Quant Time: Apr 05 01:58:44 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	187369	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	519347	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	464975	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 383840 10.052 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	263276	9.517	ppbv	99
3) Chlorodifluoromethane	1.476	51	264623	9.363	ppbv	96
4) Chloromethane	1.534	50	104117	9.209	ppbv	96
5) Vinyl Chloride	1.580	62	98352	8.209	ppbv	97
6) Bromomethane	1.667	94	44500	8.685	ppbv	97
7) Chloroethane	1.706	64	39804	8.771	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	227648	9.663	ppbv	93
9) Propene	1.486	41	101955	7.871	ppbv	99
10) Heptane	4.988	43	290775	8.439	ppbv	99
11) Trichlorofluoromethane	1.877	101	256266	9.520	ppbv	97
12) 1,1,2-Trichlorotrifluoro...	2.140	101	195280	8.826	ppbv	97
13) Ethanol	1.722	45	5295	4.324	ppbv	99
14) Bromoethene	1.783	108	72355	8.536	ppbv	98
15) Acetone	1.835	43	219621	8.381	ppbv	96
16) 1,3-Butadiene	1.609	39	106868	8.351	ppbv	98
17) tert-Butyl alcohol	2.042	59	264585	8.107	ppbv	100
18) 1,1-Dichloroethene	2.036	96	87932	8.501	ppbv	95
19) Isopropyl Alcohol	1.887	45	123909	8.381	ppbv	98
20) Methylene Chloride	2.062	84	76274	7.815	ppbv	94
21) Allyl Chloride	2.097	41	158103	8.555	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	97729	8.175	ppbv	96
23) Vinyl Acetate	2.463	43	81872	7.219	ppbv	99
24) 1,1-Dichloroethane	2.411	63	199075	8.983	ppbv	99
25) Ethyl Acetate	2.839	43	602732	8.862	ppbv	99
26) Hexane	2.829	57	231730	8.821	ppbv	99
27) Carbon Disulfide	2.152	76	244246	8.670	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	131136	8.018	ppbv	97
29) Chloroform	2.852	83	378649	9.849	ppbv	99
30) Cyclohexane	3.861	84	196271	8.604	ppbv	96
31) cis-1,2-Dichloroethene	2.722	61	243455	9.129	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	401472	9.121	ppbv	98
34) 2-Butanone	2.560	43	347241	9.221	ppbv	100
35) Carbon Tetrachloride	3.764	117	412365	10.164	ppbv	97
36) Benzene	3.661	78	467443	9.079	ppbv	97
37) 1,2-Dichloroethane	3.221	62	307037	10.416	ppbv	97
38) Trichloroethene	4.554	130	199451	9.284	ppbv	98
39) 1,2-Dichloropropane	4.318	63	170450	9.090	ppbv	91
40) 1,4-Dioxane	4.590	88	81209	8.160	ppbv #	93
41) Tetrahydrofuran	3.059	42	189995	8.761	ppbv	98
42) Bromodichloromethane	4.496	83	416628	10.252	ppbv	98
43) Methyl Methacrylate	4.884	69	184838	8.480	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	789050	9.069	ppbv	97
45) t-1,3-Dichloropropene	6.422	75	196583	8.407	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	248725	8.677	ppbv	98
47) 1,1,2-Trichloroethane	6.590	97	188954	9.533	ppbv	96
48) Dibromochloromethane	7.396	129	338657	10.081	ppbv	100
49) Bromoform	9.490	173	291660	9.671	ppbv	100
50) 4-Methyl-2-Pentanone	5.761	43	485587	8.136	ppbv	98
51) 2-Hexanone	7.448	43	393233	8.024	ppbv #	96
52) Tetrachloroethene	8.231	164	170524	8.351	ppbv	94
53) Toluene	6.939	91	548226	8.982	ppbv	99
54) 1,2-Dibromoethane	7.661	107	262312	9.493	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.930	131	265488	10.373	ppbv	97
57) Chlorobenzene	8.927	112	435637	9.878	ppbv	97
58) Ethyl Benzene	9.360	91	787508	9.535	ppbv	100
59) m/p-Xylene	9.558	91	1320455m	20.022	ppbv	
60) o-Xylene	9.969	91	648429	9.808	ppbv	96
61) Styrene	9.875	104	307359	9.397	ppbv	99
62) Isopropylbenzene	10.545	105	991027	10.024	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	404850	10.079	ppbv	100
64) n-propylbenzene	10.995	120	263771	10.364	ppbv	96
65) tert-Butylbenzene	11.535	119	904984	9.898	ppbv	98
66) Benzyl Chloride	11.620	91	71677	7.388	ppbv	97
67) sec-Butylbenzene	11.772	105	1272047	10.009	ppbv	99
69) p-Isopropyltoluene	11.930	119	1096744	10.022	ppbv	99
70) n-Butylbenzene	12.283	91	1129301	10.090	ppbv	99
71) 2-Chlorotoluene	10.908	91	769367	10.027	ppbv	100
72) 4-Ethyltoluene	11.131	105	835598	10.151	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	724375	10.076	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	804419	9.712	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	469384	10.333	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	467820	10.348	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	460424	10.410	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	386022	8.574	ppbv	100
79) Naphthalene	13.516	128	931920	10.287	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	470633	10.593	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	416845	9.975	ppbv	100

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

Manual Integrations

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