

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042166.D
 Acq On : 25 Mar 2025 10:00
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

Quant Time: Mar 26 01:32:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M

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

QLast Update : Wed Mar 26 01:29:19 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	180324	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	436654	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	362926	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 294076 10.369 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	25686	1.291	ppbv	96
3) Chlorodifluoromethane	1.476	51	25683	0.982	ppbv	99
4) Chloromethane	1.534	50	8786	1.203	ppbv	98
5) Vinyl Chloride	1.583	62	7833	1.151	ppbv	97
6) Bromomethane	1.670	94	4670	1.411	ppbv	90
7) Chloroethane	1.706	64	3510	1.246	ppbv #	85
8) Dichlorotetrafluoroethane	1.557	85	19761	1.222	ppbv	98
9) Propene	1.486	41	9640	0.908	ppbv	92
10) Heptane	4.994	43	21750m	0.660	ppbv	
11) Trichlorofluoromethane	1.881	101	26102	1.313	ppbv	91
12) 1,1,2-Trichlorotrifluo...	2.143	101	20660	1.285	ppbv	100
13) Ethanol	1.725	45	696	1.003	ppbv #	9
14) Bromoethene	1.784	108	6990	1.259	ppbv	88
15) Acetone	1.839	43	23701	1.412	ppbv	95
16) 1,3-Butadiene	1.612	39	9337	1.198	ppbv	94
17) tert-Butyl alcohol	2.046	59	22520	1.115	ppbv	99
18) 1,1-Dichloroethene	2.036	96	8993	1.263	ppbv	94
19) Isopropyl Alcohol	1.890	45	11836	1.241	ppbv #	1
20) Methylene Chloride	2.062	84	8528	1.354	ppbv	88
21) Allyl Chloride	2.098	41	13950	1.159	ppbv	91
22) trans-1,2-Dichloroethene	2.347	96	10061	1.196	ppbv	96
23) Vinyl Acetate	2.466	43	6497m	0.606	ppbv	
24) 1,1-Dichloroethane	2.415	63	19489	1.244	ppbv #	93
25) Ethyl Acetate	2.845	43	54993	0.864	ppbv	99
26) Hexane	2.832	57	19803	0.776	ppbv	90
27) Carbon Disulfide	2.153	76	22696	1.219	ppbv #	80
28) Methyl tert-Butyl Ether	2.447	73	11594	0.880	ppbv	100
29) Chloroform	2.852	83	32652	0.940	ppbv	97
30) Cyclohexane	3.865	84	13017	0.639	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	18803	0.791	ppbv	96
32) 1,1,1-Trichloroethane	3.376	97	28739	0.868	ppbv	97
34) 2-Butanone	2.567	43	32544	0.946	ppbv	98
35) Carbon Tetrachloride	3.771	117	29498	0.968	ppbv	97
36) Benzene	3.664	78	40476	0.884	ppbv	97
37) 1,2-Dichloroethane	3.227	62	24591	0.965	ppbv	98
38) Trichloroethene	4.564	130	15693m	0.840	ppbv	
39) 1,2-Dichloropropane	4.324	63	15610	0.892	ppbv	94
40) 1,4-Dioxane	4.609	88	6481m	0.820	ppbv	
41) Tetrahydrofuran	3.068	42	14238	0.711	ppbv	99
42) Bromodichloromethane	4.502	83	33374	0.970	ppbv	95
43) Methyl Methacrylate	4.900	69	11613m	0.663	ppbv	
44) 2,2,4-Trimethylpentane	4.654	57	64335	0.787	ppbv	95
45) t-1,3-Dichloropropene	6.431	75	11565m	0.680	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	15817m	0.713	ppbv	
47) 1,1,2-Trichloroethane	6.600	97	16906	0.943	ppbv	97
48) Dibromochloromethane	7.399	129	25968	0.936	ppbv	95
49) Bromoform	9.490	173	21094	0.870	ppbv	99
50) 4-Methyl-2-Pentanone	5.787	43	36620m	0.829	ppbv	
51) 2-Hexanone	7.461	43	25047	0.834	ppbv #	94
52) Tetrachloroethene	8.234	164	13624	0.872	ppbv	95
53) Toluene	6.949	91	30277	0.599	ppbv	98
54) 1,2-Dibromoethane	7.665	107	20541	0.862	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.933	131	22183	1.051	ppbv #	92
57) Chlorobenzene	8.933	112	37941	0.984	ppbv	95
58) Ethyl Benzene	9.364	91	39065	0.587	ppbv	99
59) m/p-Xylene	9.558	91	71171m	1.317	ppbv	
60) o-Xylene	9.972	91	35807	0.656	ppbv	98
61) Styrene	9.885	104	11960	0.482	ppbv	96
62) Isopropylbenzene	10.548	105	56889	0.697	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	37917	1.045	ppbv	99
64) n-propylbenzene	10.998	120	15310	0.708	ppbv	94
65) tert-Butylbenzene	11.539	119	54928	0.731	ppbv	96
66) Benzyl Chloride	11.623	91	4126	0.741	ppbv #	97
67) sec-Butylbenzene	11.775	105	83586	0.776	ppbv	99
69) p-Isopropyltoluene	11.934	119	63349	0.735	ppbv	99
70) n-Butylbenzene	12.290	91	67648	0.763	ppbv	95
71) 2-Chlorotoluene	10.911	91	39453	0.629	ppbv	98
72) 4-Ethyltoluene	11.134	105	42519	0.633	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.212	105	41350	0.712	ppbv	99
74) 1,2,4-Trimethylbenzene	11.545	105	55469	0.836	ppbv	89
75) 1,3-Dichlorobenzene	11.613	146	36145	0.938	ppbv	97
76) 1,4-Dichlorobenzene	11.678	146	34191	0.893	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	41451	1.097	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	36548	1.224	ppbv	98
79) Naphthalene	13.520	128	45583	0.953	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	13723	0.960	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	22899	0.869	ppbv	96

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

