

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042165.D
 Acq On : 25 Mar 2025 09:29
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Mar 26 01:30:47 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	2.797	49	180973	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	444936	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	367440	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 295233 10.282 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	51371	2.572	ppbv	97
3) Chlorodifluoromethane	1.480	51	53635	2.044	ppbv	96
4) Chloromethane	1.535	50	18102	2.469	ppbv	91
5) Vinyl Chloride	1.583	62	17674	2.588	ppbv	96
6) Bromomethane	1.671	94	8401	2.529	ppbv	88
7) Chloroethane	1.706	64	6606	2.338	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	38506	2.372	ppbv	98
9) Propene	1.486	41	21193	1.990	ppbv	96
10) Heptane	4.998	43	50346	1.522	ppbv	96
11) Trichlorofluoromethane	1.881	101	52533	2.633	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	41439	2.568	ppbv	95
13) Ethanol	1.726	45	1619	2.324	ppbv	91
14) Bromoethene	1.787	108	14721	2.642	ppbv	96
15) Acetone	1.839	43	46532	2.762	ppbv	95
16) 1,3-Butadiene	1.612	39	18817	2.407	ppbv	99
17) tert-Butyl alcohol	2.046	59	42744	2.108	ppbv	100
18) 1,1-Dichloroethene	2.039	96	17129	2.397	ppbv	96
19) Isopropyl Alcohol	1.891	45	22780	2.381	ppbv #	1
20) Methylene Chloride	2.065	84	15925	2.519	ppbv	89
21) Allyl Chloride	2.101	41	28813	2.385	ppbv	97
22) trans-1,2-Dichloroethene	2.347	96	20877	2.473	ppbv	88
23) Vinyl Acetate	2.467	43	16374m	1.521	ppbv	
24) 1,1-Dichloroethane	2.418	63	39073	2.484	ppbv	99
25) Ethyl Acetate	2.849	43	118316	1.852	ppbv	99
26) Hexane	2.836	57	40682	1.589	ppbv	85
27) Carbon Disulfide	2.156	76	46871	2.509	ppbv #	81
28) Methyl tert-Butyl Ether	2.451	73	24492	1.852	ppbv	98
29) Chloroform	2.858	83	70298	2.017	ppbv	98
30) Cyclohexane	3.868	84	29119	1.424	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	39816	1.669	ppbv	88
32) 1,1,1-Trichloroethane	3.379	97	60148	1.809	ppbv	99
34) 2-Butanone	2.567	43	68307	1.950	ppbv	100
35) Carbon Tetrachloride	3.774	117	62457	2.012	ppbv	92
36) Benzene	3.671	78	83730	1.794	ppbv	99
37) 1,2-Dichloroethane	3.227	62	49431	1.904	ppbv	99
38) Trichloroethene	4.567	130	32341	1.699	ppbv	93
39) 1,2-Dichloropropane	4.328	63	33352	1.871	ppbv	92
40) 1,4-Dioxane	4.609	88	13702m	1.701	ppbv	
41) Tetrahydrofuran	3.072	42	31294	1.533	ppbv	96
42) Bromodichloromethane	4.506	83	67139	1.915	ppbv	99
43) Methyl Methacrylate	4.904	69	24868	1.393	ppbv	91
44) 2,2,4-Trimethylpentane	4.658	57	147082	1.766	ppbv	98
45) t-1,3-Dichloropropene	6.441	75	23516m	1.357	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	34069m	1.507	ppbv	
47) 1,1,2-Trichloroethane	6.603	97	34020	1.863	ppbv	92
48) Dibromochloromethane	7.406	129	53441	1.891	ppbv	100
49) Bromoform	9.493	173	47290	1.915	ppbv	99
50) 4-Methyl-2-Pentanone	5.788	43	85185	1.892	ppbv	98
51) 2-Hexanone	7.458	43	63146	2.064	ppbv #	96
52) Tetrachloroethene	8.238	164	27899	1.752	ppbv	95
53) Toluene	6.953	91	72344	1.404	ppbv	97
54) 1,2-Dibromoethane	7.665	107	42255	1.740	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.937	131	44277	2.072	ppbv	94
57) Chlorobenzene	8.937	112	80252	2.057	ppbv	97
58) Ethyl Benzene	9.370	91	94433	1.401	ppbv	99
59) m/p-Xylene	9.565	91	185887m	3.397	ppbv	
60) o-Xylene	9.976	91	91067	1.649	ppbv	98
61) Styrene	9.885	104	29574	1.177	ppbv	95
62) Isopropylbenzene	10.552	105	140615	1.702	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.976	83	79461	2.162	ppbv	99
64) n-propylbenzene	10.999	120	39741	1.816	ppbv	97
65) tert-Butylbenzene	11.542	119	140620	1.847	ppbv	99
66) Benzyl Chloride	11.626	91	9352	1.659	ppbv #	98
67) sec-Butylbenzene	11.779	105	214048	1.962	ppbv	99
69) p-Isopropyltoluene	11.934	119	170547	1.953	ppbv	99
70) n-Butylbenzene	12.290	91	178947	1.993	ppbv	97
71) 2-Chlorotoluene	10.914	91	101954	1.606	ppbv	98
72) 4-Ethyltoluene	11.138	105	116728	1.717	ppbv	97
73) 1,3,5-Trimethylbenzene	11.215	105	104138	1.771	ppbv	95
74) 1,2,4-Trimethylbenzene	11.546	105	142921	2.127	ppbv	97
75) 1,3-Dichlorobenzene	11.617	146	83243	2.133	ppbv	100
76) 1,4-Dichlorobenzene	11.681	146	76908	1.984	ppbv	98
77) 1,2-Dichlorobenzene	11.957	146	87423	2.285	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	79992	2.647	ppbv	99
79) Naphthalene	13.523	128	154335	3.187	ppbv	97
80) Naphthalene,2-methyl-	14.468	142	55441	3.831	ppbv	97
81) 1,2,4-Trichlorobenzene	13.449	180	67503	2.530	ppbv	99

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

