

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050125\
 Data File : VL042458.D
 Acq On : 01 May 2025 09:03
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/02/2025
 Supervised By : Mahesh Dadoda 05/05/2025

Quant Time: May 02 01:39:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M

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

QLast Update : Fri May 02 01:37:48 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	71402	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	201290	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	174168	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 165650 10.258 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	104948	8.882	ppbv	100
3) Chlorodifluoromethane	1.476	51	112008	8.966	ppbv	100
4) Chloromethane	1.531	50	44585	9.028	ppbv	100
5) Vinyl Chloride	1.580	62	40466	8.138	ppbv	100
6) Bromomethane	1.667	94	20392	8.680	ppbv	100
7) Chloroethane	1.703	64	16528	9.002	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	88162	9.051	ppbv	100
9) Propene	1.483	41	37491	9.175	ppbv	100
10) Heptane	4.978	43	103167	9.733	ppbv	100
11) Trichlorofluoromethane	1.874	101	98215	9.320	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.136	101	78482	9.015	ppbv	100
13) Ethanol	1.719	45	5679	6.849	ppbv	100
14) Bromoethene	1.780	108	28440	8.849	ppbv	100
15) Acetone	1.835	43	94092	7.219	ppbv	100
16) 1,3-Butadiene	1.609	39	48641	8.461	ppbv	100
17) tert-Butyl alcohol	2.039	59	106304	9.257	ppbv	100
18) 1,1-Dichloroethene	2.033	96	35320	8.689	ppbv	100
19) Isopropyl Alcohol	1.884	45	62533	8.668	ppbv	100
20) Methylene Chloride	2.059	84	32039	8.176	ppbv	100
21) Allyl Chloride	2.094	41	76859	9.169	ppbv	100
22) trans-1,2-Dichloroethene	2.340	96	39427	8.305	ppbv	100
23) Vinyl Acetate	2.460	43	123215	10.146	ppbv	100
24) 1,1-Dichloroethane	2.408	63	85367	8.814	ppbv	100
25) Ethyl Acetate	2.835	43	202215	9.689	ppbv	100
26) Hexane	2.826	57	86764	9.543	ppbv	100
27) Carbon Disulfide	2.146	76	101248	9.542	ppbv #	92
28) Methyl tert-Butyl Ether	2.437	73	47941	8.777	ppbv	100
29) Chloroform	2.848	83	156976	9.213	ppbv	100
30) Cyclohexane	3.855	84	74614	9.815	ppbv	100
31) cis-1,2-Dichloroethene	2.719	61	95797	9.031	ppbv	100
32) 1,1,1-Trichloroethane	3.366	97	163334	8.836	ppbv	100
34) 2-Butanone	2.557	43	132685	9.113	ppbv	100
35) Carbon Tetrachloride	3.758	117	166490	9.511	ppbv	100
36) Benzene	3.654	78	179532	9.451	ppbv	100
37) 1,2-Dichloroethane	3.217	62	133963	9.150	ppbv	100
38) Trichloroethene	4.544	130	69846	9.642	ppbv	100
39) 1,2-Dichloropropane	4.311	63	63894	8.979	ppbv	100
40) 1,4-Dioxane	4.583	88	30303m	9.161	ppbv	
41) Tetrahydrofuran	3.052	42	65713	9.516	ppbv	100
42) Bromodichloromethane	4.486	83	168957	9.445	ppbv	100
43) Methyl Methacrylate	4.881	69	73117	10.339	ppbv	100
44) 2,2,4-Trimethylpentane	4.635	57	289161	9.420	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	96692	10.385	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	111768	10.111	ppbv	100
47) 1,1,2-Trichloroethane	6.580	97	71805	9.207	ppbv	100
48) Dibromochloromethane	7.386	129	126754	9.628	ppbv	100
49) Bromoform	9.480	173	106108	9.610	ppbv	100
50) 4-Methyl-2-Pentanone	5.748	43	175193	9.518	ppbv	100
51) 2-Hexanone	7.435	43	145272	9.855	ppbv	100
52) Tetrachloroethene	8.224	164	61456	8.500	ppbv	100
53) Toluene	6.930	91	204494	10.171	ppbv	100
54) 1,2-Dibromoethane	7.648	107	111506	9.300	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	94346	9.172	ppbv	99
57) Chlorobenzene	8.920	112	157401	8.994	ppbv	100
58) Ethyl Benzene	9.354	91	300412	10.321	ppbv	100
59) m/p-Xylene	9.529	91	497922m	20.404	ppbv	
60) o-Xylene	9.963	91	247784	10.157	ppbv	100
61) Styrene	9.872	104	101509	11.134	ppbv	100
62) Isopropylbenzene	10.539	105	354055	10.047	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	147295	9.305	ppbv	100
64) n-propylbenzene	10.989	120	84006	9.787	ppbv	100
65) tert-Butylbenzene	11.529	119	316532	10.065	ppbv	100
66) Benzyl Chloride	11.613	91	40331	11.096	ppbv	100
67) sec-Butylbenzene	11.769	105	442600	9.903	ppbv	100
69) p-Isopropyltoluene	11.924	119	374540	9.947	ppbv	100
70) n-Butylbenzene	12.280	91	382883	9.836	ppbv	100
71) 2-Chlorotoluene	10.898	91	278215	10.065	ppbv	100
72) 4-Ethyltoluene	11.124	105	299831	10.409	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	256952	10.143	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	286615	9.351	ppbv	100
75) 1,3-Dichlorobenzene	11.607	146	155598	9.118	ppbv	100
76) 1,4-Dichlorobenzene	11.671	146	157966	9.782	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	150432	9.007	ppbv	100
78) Hexachloro-1,3-Butadiene	13.879	225	134402	8.058	ppbv	100
79) Naphthalene	13.513	128	266036	10.352	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	204042	10.641	ppbv	100
81) 1,2,4-Trichlorobenzene	13.439	180	135473	9.844	ppbv	100

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

