

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082625\
 Data File : VL042880.D
 Acq On : 26 Aug 2025 08:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Aug 27 01:09:19 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 27 2025

QLast Update : Thu Aug 14 02:12:54 2025

Response via : Initial Calibration

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 08/27/2025
 Supervised By : Mahesh Dadoda 08/27/2025

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

Internal Standards						
1) Bromochloromethane	2.793	49	122810	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	336296	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	294948	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 235225 10.634 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	183364	10.188	ppbv	99
3) Chlorodifluoromethane	1.479	51	203212	10.214	ppbv	98
4) Chloromethane	1.534	50	69979	9.635	ppbv	97
5) Vinyl Chloride	1.583	62	64920	9.076	ppbv	100
6) Bromomethane	1.670	94	26845	9.386	ppbv	96
7) Chloroethane	1.706	64	24801	8.878	ppbv	92
8) Dichlorotetrafluoroethane	1.557	85	146099	9.919	ppbv	95
9) Propene	1.486	41	75313	8.766	ppbv	97
10) Heptane	4.991	43	211489	9.190	ppbv	100
11) Trichlorofluoromethane	1.881	101	174494	9.826	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	139099	9.828	ppbv	96
13) Ethanol	1.725	45	5799	7.382	ppbv	100
14) Bromoethene	1.784	108	48467	9.459	ppbv	99
15) Acetone	1.839	43	134319	8.268	ppbv	100
16) 1,3-Butadiene	1.612	39	64565	8.767	ppbv	100
17) tert-Butyl alcohol	2.046	59	165719	8.602	ppbv	97
18) 1,1-Dichloroethene	2.036	96	61218	9.838	ppbv	96
19) Isopropyl Alcohol	1.887	45	84638	8.723	ppbv	95
20) Methylene Chloride	2.065	84	54772	8.048	ppbv	93
21) Allyl Chloride	2.101	41	107208	9.341	ppbv	94
22) trans-1,2-Dichloroethene	2.344	96	69614	9.670	ppbv	96
23) Vinyl Acetate	2.467	43	218325	9.774	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	139590	9.709	ppbv	100
25) Ethyl Acetate	2.839	43	383086	9.743	ppbv	98
26) Hexane	2.832	57	171859	9.469	ppbv	93
27) Carbon Disulfide	2.153	76	176879	10.015	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	87775	9.485	ppbv	91
29) Chloroform	2.855	83	270006	10.420	ppbv	98
30) Cyclohexane	3.865	84	145756	9.160	ppbv	97
31) cis-1,2-Dichloroethene	2.725	61	171782	9.476	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	268172	9.793	ppbv	97
34) 2-Butanone	2.560	43	245700	10.820	ppbv	99
35) Carbon Tetrachloride	3.771	117	268495	11.581	ppbv	96
36) Benzene	3.664	78	342327	10.630	ppbv	99
37) 1,2-Dichloroethane	3.224	62	210915	12.536	ppbv	96
38) Trichloroethene	4.554	130	147070	10.000	ppbv	94
39) 1,2-Dichloropropane	4.321	63	128537	10.929	ppbv	92
40) 1,4-Dioxane	4.590	88	52575	9.401	ppbv #	89
41) Tetrahydrofuran	3.059	42	135134	10.674	ppbv	99
42) Bromodichloromethane	4.499	83	300275	11.977	ppbv	99
43) Methyl Methacrylate	4.891	69	132478	9.986	ppbv	94
44) 2,2,4-Trimethylpentane	4.648	57	578677	10.587	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	151146	10.096	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	196004	10.507	ppbv	97
47) 1,1,2-Trichloroethane	6.590	97	137096	11.002	ppbv	98
48) Dibromochloromethane	7.396	129	226360	11.225	ppbv	100
49) Bromoform	9.490	173	181503	10.914	ppbv	99
50) 4-Methyl-2-Pentanone	5.761	43	336202	10.953	ppbv	97
51) 2-Hexanone	7.445	43	268720	11.126	ppbv #	97
52) Tetrachloroethene	8.234	164	108007	9.271	ppbv	89
53) Toluene	6.943	91	389102	10.163	ppbv	100
54) 1,2-Dibromoethane	7.661	107	196903	10.812	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	166781	10.935	ppbv	98
57) Chlorobenzene	8.930	112	297688	10.615	ppbv	99
58) Ethyl Benzene	9.361	91	553547	10.635	ppbv	97
59) m/p-Xylene	9.558	91	901528m	22.098	ppbv	
60) o-Xylene	9.969	91	452658	11.030	ppbv	98
61) Styrene	9.878	104	194940	10.138	ppbv	98
62) Isopropylbenzene	10.545	105	641727	10.700	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	249214	11.042	ppbv	99
64) n-propylbenzene	10.995	120	162661	10.630	ppbv	91
65) tert-Butylbenzene	11.539	119	557907	10.552	ppbv	95
66) Benzyl Chloride	11.620	91	48141	7.172	ppbv	98
67) sec-Butylbenzene	11.772	105	812989	10.955	ppbv	98
69) p-Isopropyltoluene	11.931	119	659073	10.344	ppbv	97
70) n-Butylbenzene	12.287	91	703206	11.128	ppbv	97
71) 2-Chlorotoluene	10.908	91	498341	10.701	ppbv	96
72) 4-Ethyltoluene	11.131	105	541729	10.889	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	449818	10.632	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	498209	10.728	ppbv	97
75) 1,3-Dichlorobenzene	11.613	146	282628	10.706	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	282236	10.571	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	273118	10.566	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	175877	8.301	ppbv	97
79) Naphthalene	13.516	128	439648	10.443	ppbv	98
80) Naphthalene,2-methyl-	14.462	142	129366	8.223	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	210039	9.926	ppbv	98

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

