

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042538.D
 Acq On : 14 May 2025 11:53
 Operator : SY/MD
 Sample : VL0514ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0514ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/15/2025
 Supervised By :Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:32:42 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M

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

QLast Update : Tue May 13 02:07:03 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	116911	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.962	114	342869	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.885	117	296340	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 260716 10.111 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	177349	9.342	ppbv	98
3) Chlorodifluoromethane	1.476	51	171430	8.861	ppbv	100
4) Chloromethane	1.534	50	69630	8.987	ppbv	100
5) Vinyl Chloride	1.580	62	68261	8.610	ppbv	94
6) Bromomethane	1.667	94	37101	9.854	ppbv	94
7) Chloroethane	1.706	64	28035	8.956	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	146902	8.993	ppbv	100
9) Propene	1.486	41	58217	13.876	ppbv #	1
10) Heptane	4.981	43	171029	10.667	ppbv	97
11) Trichlorofluoromethane	1.877	101	183595	10.054	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	148178	10.103	ppbv	100
13) Ethanol	1.722	45	8751	7.754	ppbv	98
14) Bromoethene	1.784	108	51275	9.589	ppbv	99
15) Acetone	1.835	43	152999	8.119	ppbv	99
16) 1,3-Butadiene	1.609	39	76378	9.092	ppbv	97
17) tert-Butyl alcohol	2.039	59	172075	9.968	ppbv	99
18) 1,1-Dichloroethene	2.036	96	63992	9.955	ppbv	99
19) Isopropyl Alcohol	1.887	45	97672	9.624	ppbv	100
20) Methylene Chloride	2.062	84	56851	8.739	ppbv	96
21) Allyl Chloride	2.098	41	120871	9.772	ppbv	96
22) trans-1,2-Dichloroethene	2.340	96	72704	9.669	ppbv	95
23) Vinyl Acetate	2.463	43	184141	9.415	ppbv #	98
24) 1,1-Dichloroethane	2.408	63	146965	10.102	ppbv	98
25) Ethyl Acetate	2.836	43	312927	9.540	ppbv	100
26) Hexane	2.829	57	138195	10.262	ppbv	97
27) Carbon Disulfide	2.153	76	181278	10.428	ppbv	95
28) Methyl tert-Butyl Ether	2.441	73	84826	11.338	ppbv	97
29) Chloroform	2.852	83	247796	8.872	ppbv	99
30) Cyclohexane	3.858	84	119963	10.850	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	145273	9.553	ppbv	95
32) 1,1,1-Trichloroethane	3.370	97	255956	8.881	ppbv	99
34) 2-Butanone	2.557	43	197074	8.720	ppbv	98
35) Carbon Tetrachloride	3.768	117	277335	8.997	ppbv	98
36) Benzene	3.661	78	293547	9.661	ppbv	99
37) 1,2-Dichloroethane	3.221	62	193600	8.932	ppbv	100
38) Trichloroethene	4.551	130	122351	9.261	ppbv	97
39) 1,2-Dichloropropane	4.315	63	103541	9.148	ppbv	88
40) 1,4-Dioxane	4.583	88	47286	10.292	ppbv #	99
41) Tetrahydrofuran	3.056	42	101765	10.403	ppbv	98
42) Bromodichloromethane	4.493	83	263548	9.111	ppbv	98
43) Methyl Methacrylate	4.884	69	106126	10.429	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	476041	9.887	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	132911	10.223	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	160141	10.239	ppbv	92
47) 1,1,2-Trichloroethane	6.587	97	119517	8.967	ppbv	97
48) Dibromochloromethane	7.389	129	215320	9.676	ppbv	98
49) Bromoform	9.487	173	177871	9.740	ppbv	98
50) 4-Methyl-2-Pentanone	5.755	43	268277	10.107	ppbv	99
51) 2-Hexanone	7.438	43	221041	11.195	ppbv #	99
52) Tetrachloroethene	8.228	164	104385	8.979	ppbv	91
53) Toluene	6.940	91	320104	10.735	ppbv	100
54) 1,2-Dibromoethane	7.658	107	181316	9.315	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.930	131	166531	9.064	ppbv	98
57) Chlorobenzene	8.924	112	275176	9.248	ppbv	99
58) Ethyl Benzene	9.357	91	466684	11.554	ppbv	94
59) m/p-Xylene	9.555	91	794877m	22.159	ppbv	
60) o-Xylene	9.969	91	395533	11.290	ppbv	100
61) Styrene	9.875	104	152625	11.763	ppbv	98
62) Isopropylbenzene	10.542	105	572300	10.847	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	248344	8.734	ppbv	99
64) n-propylbenzene	10.992	120	149437	11.156	ppbv	100
65) tert-Butylbenzene	11.532	119	527031	10.878	ppbv	100
66) Benzyl Chloride	11.617	91	67242	10.445	ppbv	99
67) sec-Butylbenzene	11.772	105	733606	10.561	ppbv	100
69) p-Isopropyltoluene	11.927	119	635567	11.129	ppbv	99
70) n-Butylbenzene	12.283	91	632577	11.210	ppbv	100
71) 2-Chlorotoluene	10.904	91	439880	11.010	ppbv	99
72) 4-Ethyltoluene	11.128	105	496655	11.428	ppbv	100
73) 1,3,5-Trimethylbenzene	11.205	105	415787	10.984	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	471038	10.114	ppbv	91
75) 1,3-Dichlorobenzene	11.610	146	282203	9.675	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	274722	9.900	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	269587	8.948	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	219747	8.506	ppbv	99
79) Naphthalene	13.513	128	437553	13.557	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	278888	14.972	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	219152	11.164	ppbv	99

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

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