

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
 Data File : VL042288.D
 Acq On : 09 Apr 2025 11:46
 Operator : SY/MD
 Sample : VL0409ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/10/2025
 Supervised By :Mahesh Dadoda 04/10/2025

Quant Time: Apr 10 01:41:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

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

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	158607	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	399129	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	347062	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 281515 9.877 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	231302	9.877	ppbv	99
3) Chlorodifluoromethane	1.473	51	246971	10.323	ppbv	99
4) Chloromethane	1.531	50	94690	9.894	ppbv	99
5) Vinyl Chloride	1.580	62	88718	8.748	ppbv	97
6) Bromomethane	1.667	94	37387	8.620	ppbv	93
7) Chloroethane	1.703	64	34720	9.038	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	197213	9.889	ppbv	93
9) Propene	1.482	41	92366	8.423	ppbv	100
10) Heptane	4.972	43	286886	9.836	ppbv	99
11) Trichlorofluoromethane	1.874	101	221983	9.742	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	178880	9.550	ppbv	98
13) Ethanol	1.719	45	4815	4.645	ppbv	91
14) Bromoethene	1.780	108	62224	8.672	ppbv	98
15) Acetone	1.832	43	203183	9.160	ppbv	94
16) 1,3-Butadiene	1.605	39	97390	8.990	ppbv	96
17) tert-Butyl alcohol	2.039	59	228072	8.255	ppbv	99
18) 1,1-Dichloroethene	2.033	96	78555	8.972	ppbv	96
19) Isopropyl Alcohol	1.884	45	107415	8.582	ppbv	95
20) Methylene Chloride	2.059	84	69914	8.463	ppbv	91
21) Allyl Chloride	2.094	41	144348	9.227	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	89052	8.800	ppbv	94
23) Vinyl Acetate	2.460	43	76797	7.999	ppbv #	98
24) 1,1-Dichloroethane	2.405	63	182520	9.730	ppbv	99
25) Ethyl Acetate	2.832	43	579774	10.071	ppbv	99
26) Hexane	2.822	57	217275	9.771	ppbv	96
27) Carbon Disulfide	2.146	76	219626	9.210	ppbv	95
28) Methyl tert-Butyl Ether	2.437	73	112219	8.105	ppbv	97
29) Chloroform	2.845	83	345539	10.617	ppbv	99
30) Cyclohexane	3.852	84	176612	9.146	ppbv	96
31) cis-1,2-Dichloroethene	2.719	61	211391	9.364	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	338190	9.077	ppbv	97
34) 2-Butanone	2.554	43	321361	11.104	ppbv	98
35) Carbon Tetrachloride	3.758	117	349527	11.210	ppbv	100
36) Benzene	3.654	78	433844	10.964	ppbv	98
37) 1,2-Dichloroethane	3.214	62	261897	11.561	ppbv	99
38) Trichloroethene	4.544	130	173360	10.500	ppbv	94
39) 1,2-Dichloropropane	4.311	63	159695	11.082	ppbv	94
40) 1,4-Dioxane	4.577	88	71420	9.338	ppbv #	95
41) Tetrahydrofuran	3.052	42	180593	10.836	ppbv	94
42) Bromodichloromethane	4.486	83	362659	11.612	ppbv	96
43) Methyl Methacrylate	4.878	69	159384	9.515	ppbv	97
44) 2,2,4-Trimethylpentane	4.635	57	750171	11.219	ppbv	97
45) t-1,3-Dichloropropene	6.409	75	148388	8.257	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	201536	9.148	ppbv	98
47) 1,1,2-Trichloroethane	6.577	97	172556	11.328	ppbv	98
48) Dibromochloromethane	7.383	129	283271	10.972	ppbv	100
49) Bromoform	9.480	173	254563	10.983	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	458113	9.988	ppbv	96
51) 2-Hexanone	7.431	43	365868	9.714	ppbv #	94
52) Tetrachloroethene	8.221	164	148490	9.463	ppbv	96
53) Toluene	6.927	91	476311	10.155	ppbv	99
54) 1,2-Dibromoethane	7.648	107	234607	11.048	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.920	131	237721	12.443	ppbv	99
57) Chlorobenzene	8.917	112	402702	12.233	ppbv	99
58) Ethyl Benzene	9.351	91	687439	11.151	ppbv	98
59) m/p-Xylene	9.548	91	1177138m	23.913	ppbv	
60) o-Xylene	9.959	91	586005	11.875	ppbv	97
61) Styrene	9.865	104	258440	10.586	ppbv	98
62) Isopropylbenzene	10.535	105	877118	11.886	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	393271	13.116	ppbv	99
64) n-propylbenzene	10.985	120	233492	12.292	ppbv	99
65) tert-Butylbenzene	11.529	119	806218	11.813	ppbv	99
66) Benzyl Chloride	11.613	91	57936	8.000	ppbv	98
67) sec-Butylbenzene	11.765	105	1160994	12.239	ppbv	99
69) p-Isopropyltoluene	11.924	119	980361	12.002	ppbv	99
70) n-Butylbenzene	12.280	91	1015883	12.161	ppbv	99
71) 2-Chlorotoluene	10.898	91	673928	11.767	ppbv	99
72) 4-Ethyltoluene	11.121	105	739552	12.036	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	633137	11.798	ppbv	99
74) 1,2,4-Trimethylbenzene	11.535	105	710091	11.486	ppbv	97
75) 1,3-Dichlorobenzene	11.607	146	426279	12.572	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	424123	12.569	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	422964	12.812	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	320151	9.527	ppbv	99
79) Naphthalene	13.513	128	717321	10.608	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	230965	6.965	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	325764	10.444	ppbv	99

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

