

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022725\
 Data File : VL042068.D
 Acq On : 27 Feb 2025 11:25
 Operator : SY/MD
 Sample : VL0227ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Quant Time: Feb 28 00:23:38 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

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

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Bromochloromethane	2.806	49	165316	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.988	114	376713	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.911	117	334241	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.399 95 264206 10.275 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.505	85	170672	9.928	ppbv	99
3) Chlorodifluoromethane	1.482	51	229434	9.549	ppbv	100
4) Chloromethane	1.541	50	60990	9.594	ppbv	100
5) Vinyl Chloride	1.589	62	58888	9.793	ppbv	98
6) Bromomethane	1.677	94	28906	10.095	ppbv	94
7) Chloroethane	1.712	64	23753	9.722	ppbv	93
8) Dichlorotetrafluoroethane	1.563	85	139528	9.873	ppbv	99
9) Propene	1.492	41	92485	9.449	ppbv	99
10) Heptane	5.017	43	283782	9.311	ppbv	97
11) Trichlorofluoromethane	1.887	101	177082	10.281	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.152	101	127217	9.259	ppbv	97
13) Ethanol	1.732	45	3431	5.522	ppbv	91
14) Bromoethene	1.793	108	48197	9.933	ppbv	99
15) Acetone	1.845	43	131627	9.016	ppbv	100
16) 1,3-Butadiene	1.618	39	63625	9.365	ppbv	99
17) tert-Butyl alcohol	2.052	59	156140	8.548	ppbv	98
18) 1,1-Dichloroethene	2.046	96	56620	9.120	ppbv	94
19) Isopropyl Alcohol	1.897	45	73339	8.745	ppbv	96
20) Methylene Chloride	2.075	84	47852	8.665	ppbv	90
21) Allyl Chloride	2.107	41	95455	9.049	ppbv	99
22) trans-1,2-Dichloroethene	2.356	96	64221	8.873	ppbv	93
23) Vinyl Acetate	2.479	43	92926	9.052	ppbv	99
24) 1,1-Dichloroethane	2.424	63	119840	8.899	ppbv	99
25) Ethyl Acetate	2.855	43	558049	9.550	ppbv	99
26) Hexane	2.845	57	217289	9.198	ppbv	96
27) Carbon Disulfide	2.162	76	150739	9.413	ppbv	99
28) Methyl tert-Butyl Ether	2.460	73	105298	8.953	ppbv	99
29) Chloroform	2.868	83	288962	9.088	ppbv	96
30) Cyclohexane	3.884	84	168184	8.771	ppbv	93
31) cis-1,2-Dichloroethene	2.738	61	206470	9.232	ppbv	96
32) 1,1,1-Trichloroethane	3.392	97	278241	9.021	ppbv	96
34) 2-Butanone	2.576	43	324037	11.041	ppbv	95
35) Carbon Tetrachloride	3.787	117	278142	10.707	ppbv	98
36) Benzene	3.683	78	400607	10.158	ppbv	98
37) 1,2-Dichloroethane	3.240	62	233998	10.702	ppbv	98
38) Trichloroethene	4.583	130	152975	9.500	ppbv	93
39) 1,2-Dichloropropane	4.347	63	154331	10.310	ppbv	98
40) 1,4-Dioxane	4.619	88	64907	9.499	ppbv #	94
41) Tetrahydrofuran	3.078	42	188776	10.886	ppbv	95
42) Bromodichloromethane	4.522	83	311726	10.582	ppbv	96
43) Methyl Methacrylate	4.917	69	159170	10.335	ppbv	92
44) 2,2,4-Trimethylpentane	4.677	57	726970	10.445	ppbv	98
45) t-1,3-Dichloropropene	6.457	75	148784	9.724	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.645	75	197788	9.989	ppbv	98
47) 1,1,2-Trichloroethane	6.625	97	151230	9.952	ppbv	98
48) Dibromochloromethane	7.422	129	241737	10.157	ppbv	100
49) Bromoform	9.509	173	208752	10.100	ppbv	99
50) 4-Methyl-2-Pentanone	5.800	43	448045	11.804	ppbv	95
51) 2-Hexanone	7.473	43	363250	13.905	ppbv #	96
52) Tetrachloroethene	8.257	164	131063	9.708	ppbv	98
53) Toluene	6.972	91	439197	9.965	ppbv	99
54) 1,2-Dibromoethane	7.687	107	201354	9.801	ppbv	91
56) 1,1,1,2-Tetrachloroethane	8.953	131	185028	9.794	ppbv	99
57) Chlorobenzene	8.949	112	336164	9.700	ppbv	98
58) Ethyl Benzene	9.380	91	612879	9.957	ppbv	100
59) m/p-Xylene	9.577	91	986159m	20.132	ppbv	
60) o-Xylene	9.988	91	495449	10.061	ppbv	99
61) Styrene	9.898	104	233127	10.069	ppbv	99
62) Isopropylbenzene	10.564	105	732584	9.933	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.988	83	321036	9.899	ppbv	100
64) n-propylbenzene	11.011	120	191865	9.918	ppbv	96
65) tert-Butylbenzene	11.552	119	652374	9.719	ppbv	99
66) Benzyl Chloride	11.639	91	42928	8.381	ppbv	99
67) sec-Butylbenzene	11.788	105	942757	9.821	ppbv	100
69) p-Isopropyltoluene	11.947	119	770654	10.091	ppbv	99
70) n-Butylbenzene	12.303	91	794021	10.185	ppbv	99
71) 2-Chlorotoluene	10.924	91	551772	9.705	ppbv	100
72) 4-Ethyltoluene	11.147	105	595865	9.910	ppbv	99
73) 1,3,5-Trimethylbenzene	11.225	105	506813	9.717	ppbv	99
74) 1,2,4-Trimethylbenzene	11.558	105	554973	9.450	ppbv	94
75) 1,3-Dichlorobenzene	11.629	146	327628	9.693	ppbv	98
76) 1,4-Dichlorobenzene	11.694	146	325333	9.694	ppbv	99
77) 1,2-Dichlorobenzene	11.969	146	319258	9.733	ppbv	98
78) Hexachloro-1,3-Butadiene	13.901	225	235707	9.235	ppbv	99
79) Naphthalene	13.532	128	510280	12.671	ppbv	98
80) Naphthalene,2-methyl-	14.478	142	195167	17.710	ppbv	99
81) 1,2,4-Trichlorobenzene	13.458	180	228692	10.190	ppbv	97

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

