

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052125\
 Data File : VL042557.D
 Acq On : 21 May 2025 09:28
 Operator : SY/MD
 Sample : VL0521ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0521ABL01

Quant Time: May 21 22:53:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 21 00:21:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	115052	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	371222	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	319806	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	251444	9.824	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	73	0.003	ppbv #	42
3) Chlorodifluoromethane	1.826	51	145	0.008	ppbv	99
4) Chloromethane	1.531	50	170	0.025	ppbv #	41
5) Vinyl Chloride	1.580	62	31	0.004	ppbv #	1
6) Bromomethane	1.677	94	23	0.005	ppbv #	3
7) Chloroethane	1.972	64	34	0.011	ppbv #	53
8) Dichlorotetrafluoroethane	1.502	85	73	0.004	ppbv #	14
10) Heptane	4.975	43	34	0.002	ppbv #	24
14) Bromoethene	1.787	108	35	0.005	ppbv #	1
17) tert-Butyl alcohol	2.046	59	186	0.010	ppbv #	77
18) 1,1-Dichloroethene	2.030	96	15	0.002	ppbv #	1
21) Allyl Chloride	2.104	41	140	0.014	ppbv #	19
22) trans-1,2-Dichloroethene	2.344	96	41	0.005	ppbv #	1
23) Vinyl Acetate	2.457	43	456	0.025	ppbv #	1
24) 1,1-Dichloroethane	2.418	63	42	0.003	ppbv #	86
25) Ethyl Acetate	2.839	43	48	0.002	ppbv #	74
26) Hexane	2.567	57	34	0.002	ppbv #	1
27) Carbon Disulfide	2.153	76	142	0.007	ppbv #	1
28) Methyl tert-Butyl Ether	2.438	73	30	0.003	ppbv #	75
29) Chloroform	2.862	83	43	0.002	ppbv	84
31) cis-1,2-Dichloroethene	2.341	61	34	0.002	ppbv #	23
36) Benzene	3.661	78	93	0.003	ppbv #	56
41) Tetrahydrofuran	3.088	42	28	0.003	ppbv #	33
42) Bromodichloromethane	4.192	83	81	0.003	ppbv #	25
46) cis-1,3-Dichloropropene	5.606	75	32	0.002	ppbv #	29
48) Dibromochloromethane	7.387	129	36	0.002	ppbv #	40
49) Bromoform	9.494	173	106	0.006	ppbv #	75
50) 4-Methyl-2-Pentanone	5.801	43	34	0.001	ppbv #	37
51) 2-Hexanone	7.370	43	26	0.001	ppbv #	27
53) Toluene	6.946	91	132	0.004	ppbv #	21
54) 1,2-Dibromoethane	7.658	107	23	0.001	ppbv #	32
57) Chlorobenzene	8.927	112	95	0.003	ppbv #	56
58) Ethyl Benzene	9.367	91	83	0.002	ppbv #	33
59) m/p-Xylene	9.562	91	309	0.009	ppbv #	30
60) o-Xylene	9.966	91	337	0.010	ppbv	97
61) Styrene	9.876	104	60	0.004	ppbv #	60
62) Isopropylbenzene	10.546	105	198	0.004	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	9.969	83	231	0.010	ppbv #	60
64) n-propylbenzene	10.999	120	90	0.007	ppbv #	1
65) tert-Butylbenzene	11.539	119	473	0.010	ppbv #	63
66) Benzyl Chloride	11.620	91	50	0.008	ppbv #	65
67) sec-Butylbenzene	11.769	105	438	0.006	ppbv #	1
69) p-Isopropyltoluene	11.934	119	230	0.004	ppbv #	58

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70) n-Butylbenzene	12.287	91	148	0.003	ppbv #	58
71) 2-Chlorotoluene	10.908	91	217	0.006	ppbv #	44
72) 4-Ethyltoluene	11.135	105	285	0.007	ppbv #	62
73) 1,3,5-Trimethylbenzene	11.215	105	953	0.025	ppbv #	62
75) 1,3-Dichlorobenzene	11.614	146	115	0.004	ppbv #	17
76) 1,4-Dichlorobenzene	11.675	146	386	0.014	ppbv	88
77) 1,2-Dichlorobenzene	11.953	146	317	0.011	ppbv	75
78) Hexachloro-1,3-Butadiene	13.889	225	263	0.011	ppbv #	76
79) Naphthalene	13.520	128	923	0.027	ppbv #	96

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

