

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060525\
 Data File : VL042619.D
 Acq On : 05 Jun 2025 13:11
 Operator : SY/MD
 Sample : Q2126-15 MDL 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT2-2025

Quant Time: Jun 06 01:41:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/06/2025
 Supervised By : Mahesh Dadoda 06/06/2025

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

Internal Standards						
1) Bromochloromethane	2.793	49	101758	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	263661	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	236658	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	175310	9.882	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	1496	0.120	ppbv #	76
3) Chlorodifluoromethane	1.476	51	2253	0.131	ppbv	95
4) Chloromethane	1.534	50	619	0.125	ppbv	89
5) Vinyl Chloride	1.580	62	517	0.102	ppbv #	88
6) Bromomethane	1.670	94	331	0.135	ppbv #	41
7) Chloroethane	1.703	64	256	0.131	ppbv #	64
8) Dichlorotetrafluoroethane	1.554	85	1125	0.108	ppbv	92
9) Propene	1.486	41	712m	0.103	ppbv	
10) Heptane	4.981	43	1972m	0.101	ppbv	
11) Trichlorofluoromethane	1.881	101	1572	0.135	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	1101	0.120	ppbv	97
14) Bromoethene	1.784	108	503	0.146	ppbv	88
15) Acetone	1.839	43	2202	0.180	ppbv #	90
16) 1,3-Butadiene	1.609	39	976	0.168	ppbv #	76
17) tert-Butyl alcohol	2.049	59	1589	0.124	ppbv #	79
18) 1,1-Dichloroethene	2.036	96	582m	0.137	ppbv	
19) Isopropyl Alcohol	1.890	45	1246	0.170	ppbv	100
20) Methylene Chloride	2.062	84	1096	0.271	ppbv	95
21) Allyl Chloride	2.101	41	1210m	0.140	ppbv	
22) trans-1,2-Dichloroethene	2.343	96	528	0.112	ppbv #	84
23) Vinyl Acetate	2.466	43	2801	0.169	ppbv #	74
24) 1,1-Dichloroethane	2.415	63	1094m	0.112	ppbv	
25) Ethyl Acetate	2.845	43	2266m	0.068	ppbv	
26) Hexane	2.829	57	1458	0.096	ppbv #	8
27) Carbon Disulfide	2.153	76	1341	0.115	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	694m	0.112	ppbv	
29) Chloroform	2.852	83	2536	0.128	ppbv	94
30) Cyclohexane	3.865	84	944m	0.075	ppbv	
31) cis-1,2-Dichloroethene	2.729	61	1701m	0.122	ppbv	
32) 1,1,1-Trichloroethane	3.373	97	2237	0.110	ppbv	97
34) 2-Butanone	2.567	43	2602m	0.138	ppbv	
35) Carbon Tetrachloride	3.768	117	2242m	0.129	ppbv	
36) Benzene	3.664	78	3105m	0.120	ppbv	
37) 1,2-Dichloroethane	3.227	62	1859	0.144	ppbv #	91
38) Trichloroethene	4.554	130	1523m	0.138	ppbv	
39) 1,2-Dichloropropane	4.321	63	1420m	0.148	ppbv	
40) 1,4-Dioxane	4.625	88	479m	0.111	ppbv	
41) Tetrahydrofuran	3.072	42	1285m	0.117	ppbv	
42) Bromodichloromethane	4.502	83	2510m	0.137	ppbv	
43) Methyl Methacrylate	4.891	69	1073m	0.106	ppbv	
44) 2,2,4-Trimethylpentane	4.645	57	5429m	0.122	ppbv	
45) t-1,3-Dichloropropene	6.431	75	1100m	0.095	ppbv	
46) cis-1,3-Dichloropropene	5.616	75	1531m	0.106	ppbv	

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QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	6.600	97	1248m	0.126	ppbv	
48) Dibromochloromethane	7.399	129	1975m	0.124	ppbv	
49) Bromoform	9.490	173	1449	0.106	ppbv	90
50) 4-Methyl-2-Pentanone	5.790	43	2535m	0.097	ppbv	
51) 2-Hexanone	7.467	43	1709m	0.083	ppbv	
52) Tetrachloroethene	8.237	164	1111m	0.115	ppbv	
53) Toluene	6.946	91	2460m	0.082	ppbv	
54) 1,2-Dibromoethane	7.671	107	1793m	0.122	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.937	131	1293	0.109	ppbv #	39
57) Chlorobenzene	8.927	112	2856m	0.124	ppbv	
58) Ethyl Benzene	9.364	91	3296m	0.082	ppbv	
59) m/p-Xylene	9.542	91	5052m	0.160	ppbv	
60) o-Xylene	9.969	91	2317	0.074	ppbv	86
61) Styrene	9.878	104	1029m	0.069	ppbv	
62) Isopropylbenzene	10.548	105	4374	0.094	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.975	83	2418	0.121	ppbv	97
64) n-propylbenzene	10.998	120	982m	0.079	ppbv	
65) tert-Butylbenzene	11.536	119	3148	0.075	ppbv	91
67) sec-Butylbenzene	11.775	105	4329	0.073	ppbv	96
69) p-Isopropyltoluene	11.937	119	3198	0.064	ppbv #	89
70) n-Butylbenzene	12.286	91	2843	0.058	ppbv	98
71) 2-Chlorotoluene	10.911	91	3343	0.094	ppbv	96
72) 4-Ethyltoluene	11.131	105	2270	0.058	ppbv #	86
73) 1,3,5-Trimethylbenzene	11.209	105	2317	0.071	ppbv #	76
74) 1,2,4-Trimethylbenzene	11.539	105	2472	0.069	ppbv #	72
75) 1,3-Dichlorobenzene	11.616	146	1878	0.083	ppbv	94
76) 1,4-Dichlorobenzene	11.678	146	2032	0.090	ppbv	97
77) 1,2-Dichlorobenzene	11.953	146	1900	0.086	ppbv	89
78) Hexachloro-1,3-Butadiene	13.882	225	1966m	0.108	ppbv	
79) Naphthalene	13.520	128	1125	0.033	ppbv #	81
81) 1,2,4-Trichlorobenzene	13.445	180	683m	0.036	ppbv	

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

