

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060325\
 Data File : VL042608.D
 Acq On : 03 Jun 2025 13:35
 Operator : SY/MD
 Sample : Q2126-13 0.45 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2025

Quant Time: Jun 04 01:49:47 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 06/04/2025
 Supervised By : Mahesh Dadoda 06/06/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	100961	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	278712	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	246919	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 190124 10.272 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	6417	0.517	ppbv	98
3) Chlorodifluoromethane	1.476	51	9071	0.531	ppbv	96
4) Chloromethane	1.531	50	2614	0.532	ppbv	96
5) Vinyl Chloride	1.580	62	2222	0.444	ppbv	95
6) Bromomethane	1.667	94	1123	0.461	ppbv	82
7) Chloroethane	1.703	64	1129	0.580	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	5616	0.543	ppbv	96
9) Propene	1.483	41	3193	0.464	ppbv	86
10) Heptane	4.975	43	7757	0.400	ppbv	98
11) Trichlorofluoromethane	1.877	101	6290	0.545	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.136	101	4499	0.496	ppbv	91
13) Ethanol	1.722	45	685	0.835	ppbv	99
14) Bromoethene	1.780	108	1977	0.580	ppbv #	78
15) Acetone	1.835	43	6488	0.534	ppbv	92
16) 1,3-Butadiene	1.609	39	2958	0.513	ppbv	91
17) tert-Butyl alcohol	2.042	59	6220	0.491	ppbv #	89
18) 1,1-Dichloroethene	2.033	96	2108	0.502	ppbv	95
19) Isopropyl Alcohol	1.887	45	3549	0.488	ppbv #	69
20) Methylene Chloride	2.059	84	2385	0.594	ppbv #	86
21) Allyl Chloride	2.094	41	4335	0.505	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	2221	0.473	ppbv #	72
23) Vinyl Acetate	2.463	43	7001	0.426	ppbv #	96
24) 1,1-Dichloroethane	2.405	63	4436	0.459	ppbv	97
25) Ethyl Acetate	2.839	43	15514	0.466	ppbv	99
26) Hexane	2.823	57	6230	0.412	ppbv	84
27) Carbon Disulfide	2.146	76	5250	0.452	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	2740	0.447	ppbv	92
29) Chloroform	2.845	83	10447	0.531	ppbv	97
30) Cyclohexane	3.858	84	5131	0.409	ppbv	93
31) cis-1,2-Dichloroethene	2.716	61	6796	0.491	ppbv	87
32) 1,1,1-Trichloroethane	3.366	97	9150	0.455	ppbv	93
34) 2-Butanone	2.560	43	10907	0.549	ppbv	95
35) Carbon Tetrachloride	3.758	117	9231	0.502	ppbv	91
36) Benzene	3.654	78	13329	0.486	ppbv #	94
37) 1,2-Dichloroethane	3.217	62	7539	0.553	ppbv	98
38) Trichloroethene	4.548	130	5978	0.512	ppbv #	86
39) 1,2-Dichloropropane	4.318	63	5040m	0.497	ppbv	
40) 1,4-Dioxane	4.596	88	2182m	0.480	ppbv	
41) Tetrahydrofuran	3.062	42	5249	0.451	ppbv	94
42) Bromodichloromethane	4.483	83	10471	0.540	ppbv #	85
43) Methyl Methacrylate	4.884	69	4480m	0.421	ppbv	
44) 2,2,4-Trimethylpentane	4.635	57	20911m	0.445	ppbv	
45) t-1,3-Dichloropropene	6.418	75	5145m	0.422	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	6678m	0.437	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	5434m	0.517	ppbv	
48) Dibromochloromethane	7.386	129	8001	0.476	ppbv	99
49) Bromoform	9.484	173	6593	0.454	ppbv	96
50) 4-Methyl-2-Pentanone	5.768	43	12225m	0.443	ppbv	
51) 2-Hexanone	7.444	43	8327m	0.381	ppbv	
52) Tetrachloroethene	8.221	164	4798	0.468	ppbv #	85
53) Toluene	6.930	91	12714	0.401	ppbv	99
54) 1,2-Dibromoethane	7.655	107	7200m	0.463	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.920	131	6514m	0.525	ppbv	
57) Chlorobenzene	8.924	112	12573m	0.524	ppbv	
58) Ethyl Benzene	9.354	91	17519	0.418	ppbv	99
59) m/p-Xylene	9.532	91	27519m	0.835	ppbv	
60) o-Xylene	9.966	91	13119	0.399	ppbv	97
61) Styrene	9.869	104	5589	0.360	ppbv	94
62) Isopropylbenzene	10.542	105	21748	0.448	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	10741	0.514	ppbv	99
64) n-propylbenzene	10.985	120	5391	0.414	ppbv	92
65) tert-Butylbenzene	11.529	119	20030	0.454	ppbv	97
66) Benzyl Chloride	11.616	91	1724m	0.304	ppbv	
67) sec-Butylbenzene	11.769	105	27392	0.442	ppbv	98
69) p-Isopropyltoluene	11.924	119	21462	0.414	ppbv	97
70) n-Butylbenzene	12.280	91	21136	0.413	ppbv	95
71) 2-Chlorotoluene	10.901	91	16562	0.447	ppbv	95
72) 4-Ethyltoluene	11.124	105	16565	0.404	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.205	105	14462	0.426	ppbv	90
74) 1,2,4-Trimethylbenzene	11.532	105	16780	0.446	ppbv #	82
75) 1,3-Dichlorobenzene	11.604	146	11563	0.489	ppbv	100
76) 1,4-Dichlorobenzene	11.671	146	11436	0.485	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	11439	0.499	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	10620	0.559	ppbv	98
79) Naphthalene	13.513	128	10091	0.284	ppbv #	95
80) Naphthalene,2-methyl-	14.461	142	1762	0.110	ppbv	92
81) 1,2,4-Trichlorobenzene	13.439	180	6057	0.306	ppbv	95

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

