

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042993.D
 Acq On : 23 Sep 2025 15:49
 Operator : SY/MD
 Sample : Q2893-14 0.5 PPB LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

Quant Time: Sep 24 02:23:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Sep 24 02:23:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Bromochloromethane	2.794	49	150922	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	406531	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.892	117	354646	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	285762	10.794	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 107.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	11429	0.563	ppbv	91
3) Chlorodifluoromethane	1.480	51	14490	0.573	ppbv	99
4) Chloromethane	1.538	50	4698	0.511	ppbv	92
5) Vinyl Chloride	1.583	62	4258m	0.513	ppbv	
6) Bromomethane	1.671	94	1677	0.572	ppbv	99
7) Chloroethane	1.706	64	1643	0.509	ppbv	91
8) Dichlorotetrafluoroethane	1.557	85	9528	0.550	ppbv	96
9) Propene	1.486	41	5231	0.475	ppbv	99
10) Heptane	4.991	43	11632m	0.396	ppbv	
11) Trichlorofluoromethane	1.881	101	11333	0.579	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.143	101	8437	0.532	ppbv	99
13) Ethanol	1.726	45	1004	0.940	ppbv #	35
14) Bromoethene	1.787	108	3240	0.541	ppbv #	86
15) Acetone	1.839	43	14415	0.733	ppbv	99
16) 1,3-Butadiene	1.612	39	4932	0.532	ppbv	97
17) tert-Butyl alcohol	2.046	59	9985	0.463	ppbv #	90
18) 1,1-Dichloroethene	2.040	96	4164	0.568	ppbv	92
19) Isopropyl Alcohol	1.891	45	6991	0.592	ppbv #	68
20) Methylene Chloride	2.066	84	5763	0.700	ppbv #	77
21) Allyl Chloride	2.098	41	7024	0.513	ppbv #	82
22) trans-1,2-Dichloroethene	2.347	96	4698	0.564	ppbv	96
23) Vinyl Acetate	2.467	43	11572	0.412	ppbv #	86
24) 1,1-Dichloroethane	2.415	63	8874	0.543	ppbv #	89
25) Ethyl Acetate	2.846	43	22540	0.454	ppbv	99
26) Hexane	2.833	57	9398	0.415	ppbv #	82
27) Carbon Disulfide	2.156	76	9009	0.444	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	5448	0.463	ppbv	97
29) Chloroform	2.855	83	17334	0.585	ppbv	94
30) Cyclohexane	3.862	84	7196	0.380	ppbv	88
31) cis-1,2-Dichloroethene	2.726	61	9375	0.442	ppbv	95
34) 2-Butanone	2.567	43	15292	0.537	ppbv	96
36) Benzene	3.664	78	20248	0.530	ppbv	96
37) 1,2-Dichloroethane	3.227	62	13418	0.668	ppbv	99
39) 1,2-Dichloropropane	4.321	63	7990	0.573	ppbv #	86
40) 1,4-Dioxane	4.616	88	3014m	0.465	ppbv	
41) Tetrahydrofuran	3.069	42	7174	0.438	ppbv	98
42) Bromodichloromethane	4.496	83	17045m	0.610	ppbv	
43) Methyl Methacrylate	4.901	69	5968m	0.382	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	32124	0.487	ppbv #	92
45) t-1,3-Dichloropropene	6.429	75	6211m	0.373	ppbv	
46) cis-1,3-Dichloropropene	5.616	75	9609m	0.453	ppbv	
47) 1,1,2-Trichloroethane	6.600	97	8835m	0.600	ppbv	
48) Dibromochloromethane	7.399	129	11816	0.502	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Bromoform	9.494	173	9101	0.444	ppbv	98
50) 4-Methyl-2-Pentanone	5.775	43	16617m	0.435	ppbv	
51) 2-Hexanone	7.455	43	11168	0.367	ppbv #	94
53) Toluene	6.943	91	18594m	0.412	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.934	131	10105	0.595	ppbv #	1
57) Chlorobenzene	8.934	112	19441	0.600	ppbv	96
58) Ethyl Benzene	9.367	91	23824	0.409	ppbv	97
59) m/p-Xylene	9.558	91	39265m	0.855	ppbv	
60) o-Xylene	9.973	91	19435	0.424	ppbv	99
61) Styrene	9.882	104	7436	0.343	ppbv	95
62) Isopropylbenzene	10.549	105	30987	0.453	ppbv	97
64) n-propylbenzene	10.999	120	7633	0.427	ppbv	89
65) tert-Butylbenzene	11.536	119	24749	0.407	ppbv	94
66) Benzyl Chloride	11.623	91	1593	0.250	ppbv #	90
67) sec-Butylbenzene	11.772	105	38430	0.453	ppbv	98
69) p-Isopropyltoluene	11.931	119	28401	0.397	ppbv	96
70) n-Butylbenzene	12.287	91	27856	0.398	ppbv	93
71) 2-Chlorotoluene	10.908	91	22664	0.439	ppbv	94
72) 4-Ethyltoluene	11.131	105	22688	0.395	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	19089	0.410	ppbv	89
74) 1,2,4-Trimethylbenzene	11.542	105	21216	0.412	ppbv #	79
75) 1,3-Dichlorobenzene	11.617	146	16401	0.514	ppbv	96
76) 1,4-Dichlorobenzene	11.678	146	15079	0.476	ppbv	96
77) 1,2-Dichlorobenzene	11.953	146	17043	0.561	ppbv	100
78) Hexachloro-1,3-Butadiene	13.886	225	12691	0.534	ppbv	92
80) Naphthalene,2-methyl-	14.468	142	2287	0.163	ppbv #	73
81) 1,2,4-Trichlorobenzene	13.449	180	6097	0.251	ppbv	91

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

