Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
Data File : VL042902.D
Acq On : 08 Sep 2025 13:35
Operator : SY/MD
Sample : VL0908ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 09 00:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 1
QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.781	49	139945	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	365857	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	306385	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	240840	10.481	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.492	85	220085	10.731	ppbv	99
3) Chlorodifluoromethane	1.470	51	263595	11.627	ppbv	98
4) Chloromethane	1.528	50	84783	10.244	ppbv	99
5) Vinyl Chloride	1.577	62	78545	9.636	ppbv	99
6) Bromomethane	1.664	94	31405	9.636	ppbv	96
7) Chloroethane	1.700	64	30810	9.679	ppbv	94
8) Dichlorotetrafluoroethane	1.551	85	175617	10.464	ppbv	96
9) Propene	1.476	41	56496m	5.770	ppbv	
10) Heptane	4.965	43	256593	9.785	ppbv	99
11) Trichlorofluoromethane	1.871	101	206104	10.185	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.133	101	164464	10.197	ppbv	96
13) Ethanol	1.716	45	7225	8.071	ppbv	92
14) Bromoethene	1.777	108	58442	10.009	ppbv	99
15) Acetone	1.829	43	156147	8.435	ppbv	99
16) 1,3-Butadiene	1.606	39	77632	9.250	ppbv	97
17) tert-Butyl alcohol	2.036	59	176056	8.020	ppbv	99
18) 1,1-Dichloroethene	2.026	96	68830	9.707	ppbv	97
19) Isopropyl Alcohol	1.881	45	97198	8.791	ppbv	93
20) Methylene Chloride	2.056	84	62334	8.038	ppbv	93
21) Allyl Chloride	2.091	41	125191	9.573	ppbv	94
22) trans-1,2-Dichloroethene	2.334	96	82077	10.005	ppbv	98
23) Vinyl Acetate	2.454	43	270676	10.634	ppbv #	99
24) 1,1-Dichloroethane	2.402	63	164910	10.066	ppbv	99
25) Ethyl Acetate	2.826	43	458640	10.237	ppbv	99
26) Hexane	2.816	57	207705	10.043	ppbv	95
27) Carbon Disulfide	2.143	76	206751	10.273	ppbv	98
28) Methyl tert-Butyl Ether	2.431	73	95768	9.082	ppbv	93
29) Chloroform	2.839	83	311859	10.562	ppbv	97
30) Cyclohexane	3.845	84	169353	9.340	ppbv	96
31) cis-1,2-Dichloroethene	2.713	61	202349	9.796	ppbv	97
32) 1,1,1-Trichloroethane	3.357	97	293618	9.409	ppbv	96
34) 2-Butanone	2.551	43	298071	12.066	ppbv	98
35) Carbon Tetrachloride	3.748	117	297085	11.779	ppbv	98
36) Benzene	3.645	78	407263	11.625	ppbv	99
37) 1,2-Dichloroethane	3.208	62	232809	12.720	ppbv	99
38) Trichloroethene	4.532	130	166529	10.408	ppbv	96
39) 1,2-Dichloropropane	4.302	63	153042	11.961	ppbv	96
40) 1,4-Dioxane	4.567	88	61682	10.138	ppbv #	88
41) Tetrahydrofuran	3.046	42	164268	11.927	ppbv	97
42) Bromodichloromethane	4.473	83	336858	12.351	ppbv	98
43) Methyl Methacrylate	4.862	69	158457	10.979	ppbv	98
44) 2,2,4-Trimethylpentane	4.625	57	701486	11.797	ppbv	98
45) t-1,3-Dichloropropene	6.399	75	169435	10.403	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.583	75	223871	11.031	ppbv		96
47) 1,1,2-Trichloroethane	6.564	97	156460	11.541	ppbv		95
48) Dibromochloromethane	7.373	129	256923	11.712	ppbv		99
49) Bromoform	9.474	173	203018	11.222	ppbv		99
50) 4-Methyl-2-Pentanone	5.732	43	390291	11.688	ppbv		97
51) 2-Hexanone	7.422	43	311589	11.858	ppbv	#	95
52) Tetrachloroethene	8.212	164	122229	9.644	ppbv		93
53) Toluene	6.920	91	447844	10.752	ppbv		99
54) 1,2-Dibromoethane	7.639	107	223417	11.277	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.917	131	190922	12.050	ppbv		98
57) Chlorobenzene	8.911	112	345342	11.855	ppbv		99
58) Ethyl Benzene	9.344	91	618650	11.442	ppbv		99
59) m/p-Xylene	9.542	91	1015739m	23.968	ppbv		
60) o-Xylene	9.956	91	504922	11.844	ppbv		99
61) Styrene	9.862	104	212594	10.644	ppbv		100
62) Isopropylbenzene	10.532	105	717761	11.521	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.953	83	295111	12.588	ppbv		99
64) n-propylbenzene	10.982	120	186258	11.717	ppbv		94
65) tert-Butylbenzene	11.523	119	633844	11.541	ppbv		97
66) Benzyl Chloride	11.607	91	55458	7.954	ppbv		99
67) sec-Butylbenzene	11.759	105	904977	11.739	ppbv		99
69) p-Isopropyltoluene	11.918	119	743217	11.229	ppbv		98
70) n-Butylbenzene	12.274	91	793205	12.084	ppbv		97
71) 2-Chlorotoluene	10.892	91	551398	11.398	ppbv		97
72) 4-Ethyltoluene	11.118	105	613510	11.871	ppbv		99
73) 1,3,5-Trimethylbenzene	11.196	105	505222	11.496	ppbv		100
74) 1,2,4-Trimethylbenzene	11.529	105	562868	11.668	ppbv		99
75) 1,3-Dichlorobenzene	11.600	146	322979	11.778	ppbv		99
76) 1,4-Dichlorobenzene	11.665	146	320689	11.563	ppbv		99
77) 1,2-Dichlorobenzene	11.940	146	309433	11.524	ppbv		100
78) Hexachloro-1,3-Butadiene	13.876	225	187990	8.542	ppbv		97
79) Naphthalene	13.507	128	477313	10.914	ppbv		99
80) Naphthalene,2-methyl-	14.449	142	142381	8.713	ppbv		97
81) 1,2,4-Trichlorobenzene	13.432	180	228630	10.401	ppbv		99

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

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