

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042018.D
 Acq On : 14 Feb 2025 13:56
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Feb 15 01:21:13 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2025
 Supervised By : Mahesh Dadoda 02/17/2025

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

Internal Standards						
1) Bromochloromethane	2.778	49	94436	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	279976	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	251709	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.364 95 209868 10.108 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	8247	0.507	ppbv	97
3) Chlorodifluoromethane	1.473	51	9295	0.517	ppbv #	89
4) Chloromethane	1.528	50	2975	0.471	ppbv #	66
5) Vinyl Chloride	1.574	62	3516	0.465	ppbv	98
6) Bromomethane	1.664	94	1639	0.560	ppbv	94
7) Chloroethane	1.700	64	1148	0.466	ppbv #	73
8) Dichlorotetrafluoroethane	1.551	85	7752	0.542	ppbv	92
9) Propene	1.480	41	4003	0.515	ppbv	95
10) Heptane	4.966	43	11556m	0.540	ppbv	
11) Trichlorofluoromethane	1.875	101	8711	0.532	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.137	101	6352	0.498	ppbv	94
13) Ethanol	1.719	45	770	0.818	ppbv	61
14) Bromoethene	1.777	108	2389	0.501	ppbv #	89
15) Acetone	1.829	43	9879	0.634	ppbv	90
16) 1,3-Butadiene	1.603	39	4527	0.612	ppbv	96
17) tert-Butyl alcohol	2.040	59	10843	0.562	ppbv #	72
18) 1,1-Dichloroethene	2.030	96	3127m	0.504	ppbv	
19) Isopropyl Alcohol	1.884	45	5006	0.569	ppbv #	37
20) Methylene Chloride	2.056	84	3886	0.662	ppbv #	93
21) Allyl Chloride	2.091	41	6308	0.562	ppbv	92
22) trans-1,2-Dichloroethene	2.334	96	3536	0.534	ppbv	95
23) Vinyl Acetate	2.454	43	4271	0.506	ppbv #	92
24) 1,1-Dichloroethane	2.402	63	7214	0.537	ppbv #	87
25) Ethyl Acetate	2.833	43	23026	0.538	ppbv #	96
26) Hexane	2.816	57	8914	0.519	ppbv	93
27) Carbon Disulfide	2.143	76	7608	0.471	ppbv #	1
28) Methyl tert-Butyl Ether	2.435	73	5376	0.512	ppbv #	43
29) Chloroform	2.839	83	13077	0.526	ppbv	89
30) Cyclohexane	3.842	84	7847	0.522	ppbv	98
31) cis-1,2-Dichloroethene	2.710	61	8933m	0.526	ppbv	
32) 1,1,1-Trichloroethane	3.357	97	12836	0.465	ppbv	97
34) 2-Butanone	2.554	43	12852	0.534	ppbv	97
35) Carbon Tetrachloride	3.749	117	12442	0.467	ppbv	89
36) Benzene	3.645	78	17625	0.520	ppbv	97
37) 1,2-Dichloroethane	3.208	62	10309	0.534	ppbv	97
38) Trichloroethene	4.532	130	6897	0.495	ppbv	92
39) 1,2-Dichloropropane	4.302	63	6948m	0.552	ppbv	
40) 1,4-Dioxane	4.587	88	3751m	0.583	ppbv	
41) Tetrahydrofuran	3.059	42	7633	0.543	ppbv	95
42) Bromodichloromethane	4.470	83	13050	0.499	ppbv #	96
43) Methyl Methacrylate	4.872	69	8952m	0.587	ppbv	
44) 2,2,4-Trimethylpentane	4.629	57	30320	0.527	ppbv	95
45) t-1,3-Dichloropropene	6.399	75	7442m	0.509	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.584	75	9394	0.507	ppbv #	92
47) 1,1,2-Trichloroethane	6.561	97	7043m	0.538	ppbv	
48) Dibromochloromethane	7.370	129	11420m	0.525	ppbv	
49) Bromoform	9.471	173	9300	0.517	ppbv	96
50) 4-Methyl-2-Pentanone	5.755	43	20054m	0.536	ppbv	
51) 2-Hexanone	7.435	43	15525	0.506	ppbv #	96
52) Tetrachloroethene	8.205	164	6421m	0.542	ppbv	
53) Toluene	6.914	91	20911m	0.521	ppbv	
54) 1,2-Dibromoethane	7.633	107	9127m	0.500	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.914	131	11304m	0.629	ppbv	
57) Chlorobenzene	8.911	112	16052	0.542	ppbv #	84
58) Ethyl Benzene	9.341	91	28422	0.516	ppbv #	89
59) m/p-Xylene	9.542	91	45734m	1.053	ppbv	
60) o-Xylene	9.953	91	23290	0.531	ppbv	100
61) Styrene	9.859	104	10850	0.518	ppbv	95
62) Isopropylbenzene	10.533	105	34447	0.523	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.950	83	14087	0.498	ppbv #	92
64) n-propylbenzene	10.979	120	8738	0.540	ppbv	91
65) tert-Butylbenzene	11.523	119	30694	0.534	ppbv	99
66) Benzyl Chloride	11.604	91	2816	0.486	ppbv #	94
67) sec-Butylbenzene	11.759	105	43185	0.535	ppbv	96
69) p-Isopropyltoluene	11.918	119	35836	0.543	ppbv	98
70) n-Butylbenzene	12.274	91	33989	0.522	ppbv	97
71) 2-Chlorotoluene	10.895	91	27104	0.546	ppbv	100
72) 4-Ethyltoluene	11.115	105	26931	0.523	ppbv	99
73) 1,3,5-Trimethylbenzene	11.196	105	23624	0.533	ppbv	89
74) 1,2,4-Trimethylbenzene	11.526	105	25288	0.531	ppbv #	91
75) 1,3-Dichlorobenzene	11.601	146	13359	0.521	ppbv	95
76) 1,4-Dichlorobenzene	11.665	146	12997	0.520	ppbv	95
77) 1,2-Dichlorobenzene	11.934	146	13212	0.539	ppbv	97
78) Hexachloro-1,3-Butadiene	13.873	225	12224	0.603	ppbv	94
79) Naphthalene	13.507	128	25479	0.544	ppbv #	93
80) Naphthalene,2-methyl-	14.449	142	11628	0.546	ppbv	95
81) 1,2,4-Trichlorobenzene	13.433	180	9689	0.509	ppbv	98

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

Manual Integrations

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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