

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042017.D
 Acq On : 14 Feb 2025 13:25
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Feb 15 01:20:16 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	2.774	49	92174	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.940	114	282067	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.866	117	256509	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.361 95 214136 10.121 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.493	85	16373	1.032	ppbv	98
3) Chlorodifluoromethane	1.470	51	19142	1.090	ppbv	99
4) Chloromethane	1.528	50	6614	1.073	ppbv	97
5) Vinyl Chloride	1.574	62	6402	0.868	ppbv	90
6) Bromomethane	1.661	94	3041	1.064	ppbv	98
7) Chloroethane	1.697	64	2776	1.155	ppbv #	84
8) Dichlorotetrafluoroethane	1.548	85	14261	1.022	ppbv	94
9) Propene	1.476	41	8138	1.073	ppbv	94
10) Heptane	4.956	43	22146m	1.060	ppbv	
11) Trichlorofluoromethane	1.871	101	15787	0.989	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.130	101	12604	1.012	ppbv	94
13) Ethanol	1.716	45	1207	1.314	ppbv	88
14) Bromoethene	1.774	108	5024	1.080	ppbv #	92
15) Acetone	1.829	43	16372	1.076	ppbv	91
16) 1,3-Butadiene	1.603	39	7502	1.039	ppbv	94
17) tert-Butyl alcohol	2.033	59	19848	1.054	ppbv	95
18) 1,1-Dichloroethene	2.023	96	6569	1.085	ppbv	95
19) Isopropyl Alcohol	1.881	45	9139	1.065	ppbv #	42
20) Methylene Chloride	2.056	84	6180	1.079	ppbv #	78
21) Allyl Chloride	2.088	41	11473	1.048	ppbv	97
22) trans-1,2-Dichloroethene	2.331	96	6499	1.006	ppbv	81
23) Vinyl Acetate	2.454	43	9143	1.110	ppbv #	94
24) 1,1-Dichloroethane	2.399	63	14290	1.090	ppbv	99
25) Ethyl Acetate	2.826	43	43444	1.040	ppbv	98
26) Hexane	2.813	57	18285	1.091	ppbv	95
27) Carbon Disulfide	2.140	76	17017	1.080	ppbv #	44
28) Methyl tert-Butyl Ether	2.435	73	11866	1.158	ppbv #	81
29) Chloroform	2.836	83	25310	1.043	ppbv	92
30) Cyclohexane	3.836	84	15240	1.038	ppbv	97
31) cis-1,2-Dichloroethene	2.710	61	17097	1.032	ppbv	97
32) 1,1,1-Trichloroethane	3.357	97	25430	0.945	ppbv	100
34) 2-Butanone	2.551	43	25581	1.054	ppbv	96
35) Carbon Tetrachloride	3.742	117	26435	0.984	ppbv #	88
36) Benzene	3.642	78	34379	1.006	ppbv	97
37) 1,2-Dichloroethane	3.205	62	20867	1.073	ppbv	98
38) Trichloroethene	4.529	130	14210	1.013	ppbv	95
39) 1,2-Dichloropropane	4.299	63	13187	1.040	ppbv #	82
40) 1,4-Dioxane	4.584	88	7225m	1.115	ppbv	
41) Tetrahydrofuran	3.050	42	13754	0.971	ppbv	94
42) Bromodichloromethane	4.467	83	26223	0.995	ppbv #	88
43) Methyl Methacrylate	4.862	69	18003m	1.172	ppbv	
44) 2,2,4-Trimethylpentane	4.616	57	59532	1.026	ppbv	99
45) t-1,3-Dichloropropene	6.386	75	14867m	1.010	ppbv	

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

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	18645m	0.999	ppbv	
47) 1,1,2-Trichloroethane	6.558	97	13186m	1.000	ppbv	
48) Dibromochloromethane	7.364	129	22318m	1.019	ppbv	
49) Bromoform	9.468	173	17395	0.960	ppbv	96
50) 4-Methyl-2-Pentanone	5.736	43	38589m	1.023	ppbv	
51) 2-Hexanone	7.422	43	33046	1.069	ppbv #	96
52) Tetrachloroethene	8.202	164	11613m	0.974	ppbv	
53) Toluene	6.914	91	42858m	1.060	ppbv	
54) 1,2-Dibromoethane	7.633	107	17720	0.964	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.905	131	18900	1.032	ppbv	93
57) Chlorobenzene	8.905	112	32156	1.066	ppbv	96
58) Ethyl Benzene	9.338	91	58735	1.046	ppbv	100
59) m/p-Xylene	9.532	91	91998m	2.079	ppbv	
60) o-Xylene	9.947	91	47347	1.059	ppbv	100
61) Styrene	9.853	104	21872	1.026	ppbv	97
62) Isopropylbenzene	10.526	105	70665	1.053	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.950	83	27852	0.965	ppbv	98
64) n-propylbenzene	10.979	120	17468	1.059	ppbv	93
65) tert-Butylbenzene	11.517	119	62846	1.074	ppbv	99
66) Benzyl Chloride	11.601	91	6113	1.035	ppbv	99
67) sec-Butylbenzene	11.756	105	88881	1.081	ppbv	99
69) p-Isopropyltoluene	11.911	119	71697	1.065	ppbv	98
70) n-Butylbenzene	12.271	91	70916	1.070	ppbv	97
71) 2-Chlorotoluene	10.889	91	51962	1.028	ppbv	95
72) 4-Ethyltoluene	11.112	105	54079	1.031	ppbv	98
73) 1,3,5-Trimethylbenzene	11.190	105	48308	1.069	ppbv	96
74) 1,2,4-Trimethylbenzene	11.523	105	52921	1.091	ppbv #	88
75) 1,3-Dichlorobenzene	11.594	146	28362	1.086	ppbv	97
76) 1,4-Dichlorobenzene	11.659	146	26798	1.052	ppbv	99
77) 1,2-Dichlorobenzene	11.937	146	26585	1.065	ppbv	98
78) Hexachloro-1,3-Butadiene	13.870	225	21844	1.058	ppbv	97
79) Naphthalene	13.504	128	56546	1.185	ppbv	98
80) Naphthalene,2-methyl-	14.446	142	26997	1.245	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	21943	1.131	ppbv	97

(#) = 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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