

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040206.D
 Acq On : 21 Feb 2023 22:23
 Operator : SY/MD
 Sample : 01627-14 LOQ 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2023

Quant Time: Feb 22 05:08:25 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/22/2023
 Supervised By : Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) Bromochloromethane	5.192	49	833329	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2150406	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.474	117	1903032	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1572695	10.050	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.500%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.722	85	17982	0.116	ppbv	96
3) Chlorodifluoromethane	2.671	51	10834	0.109	ppbv	96
4) Chloromethane	2.809	50	7464	0.119	ppbv #	67
5) Vinyl Chloride	2.915	62	5245	0.104	ppbv #	83
6) Bromomethane	3.115	94	2034m	0.112	ppbv	
7) Chloroethane	3.201	64	2842m	0.143	ppbv	
8) Dichlorotetrafluoroethane	2.854	85	14466	0.108	ppbv	95
9) Propene	2.693	41	6607	0.163	ppbv	96
10) Heptane	7.590	43	7000m	0.072	ppbv	
11) Trichlorofluoromethane	3.558	101	15430	0.111	ppbv	90
12) 1,1,2-Trichlorotrifluo...	4.066	101	11698m	0.114	ppbv	
13) Ethanol	3.256	45	770	0.206	ppbv #	31
14) Bromoethene	3.362	108	3892	0.099	ppbv #	91
15) Acetone	3.491	43	16622	0.166	ppbv #	82
16) 1,3-Butadiene	2.980	39	6119m	0.134	ppbv	
17) tert-Butyl alcohol	3.909	59	9643m	0.105	ppbv	
18) 1,1-Dichloroethene	3.883	96	4637m	0.104	ppbv	
19) Isopropyl Alcohol	3.597	45	5569m	0.117	ppbv	
20) Methylene Chloride	3.934	84	13713	0.263	ppbv #	94
21) Allyl Chloride	3.996	41	6476	0.105	ppbv	93
22) trans-1,2-Dichloroethene	4.449	96	5256m	0.114	ppbv	
23) Vinyl Acetate	4.648	43	4117m	0.135	ppbv	
24) 1,1-Dichloroethane	4.568	63	9128	0.096	ppbv #	96
25) Ethyl Acetate	5.221	43	17482	0.094	ppbv #	95
26) Hexane	5.211	57	8507m	0.106	ppbv	
27) Carbon Disulfide	4.121	76	8841	0.087	ppbv #	90
28) Methyl tert-Butyl Ether	4.603	73	8257m	0.096	ppbv	
29) Chloroform	5.272	83	13924	0.101	ppbv	98
30) Cyclohexane	6.603	84	6604m	0.105	ppbv	
31) cis-1,2-Dichloroethene	5.082	61	7837	0.103	ppbv #	82
32) 1,1,1-Trichloroethane	6.005	97	12378m	0.096	ppbv	
34) 2-Butanone	4.812	43	13486m	0.127	ppbv	
35) Carbon Tetrachloride	6.503	117	12343m	0.097	ppbv	
36) Benzene	6.372	78	13221	0.079	ppbv #	92
37) 1,2-Dichloroethane	5.803	62	12032m	0.115	ppbv	
38) Trichloroethene	7.294	130	7984	0.087	ppbv #	88
39) 1,2-Dichloropropane	7.085	63	6601m	0.101	ppbv	
40) 1,4-Dioxane	7.359	88	3277m	0.126	ppbv	
41) Tetrahydrofuran	5.603	42	5050m	0.082	ppbv	
42) Bromodichloromethane	7.253	83	12394m	0.086	ppbv	
43) Methyl Methacrylate	7.491	69	4234m	0.068	ppbv	
44) 2,2,4-Trimethylpentane	7.333	57	20055	0.072	ppbv #	87
45) t-1,3-Dichloropropene	8.728	75	3228m	0.059	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.146	75	5665m	0.074	ppbv	
47) 1,1,2-Trichloroethane	8.909	97	6858m	0.097	ppbv	
48) Dibromochloromethane	9.722	129	7870m	0.070	ppbv	
49) Bromoform	12.413	173	5761m	0.066	ppbv	
50) 4-Methyl-2-Pentanone	8.220	43	12002m	0.073	ppbv	
51) 2-Hexanone	9.603	43	8300m	0.066	ppbv	
52) Tetrachloroethene	10.619	164	5182m	0.099	ppbv	
53) Toluene	9.230	91	12254m	0.068	ppbv	
54) 1,2-Dibromoethane	10.018	107	6662m	0.091	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.516	131	6806m	0.085	ppbv	
57) Chlorobenzene	11.542	112	13446m	0.097	ppbv	
58) Ethyl Benzene	12.092	91	14500m	0.063	ppbv	
59) m/p-Xylene	12.391	91	23787m	0.116	ppbv	
60) o-Xylene	13.063	91	11720m	0.059	ppbv	
61) Styrene	12.905	104	4930m	0.048	ppbv	
62) Isopropylbenzene	14.037	105	20899m	0.074	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.066	83	6613m	0.093	ppbv	
64) n-propylbenzene	14.928	120	4842m	0.069	ppbv	
65) tert-Butylbenzene	16.108	119	14535m	0.059	ppbv	
67) sec-Butylbenzene	16.648	105	22015m	0.062	ppbv	
69) p-Isopropyltoluene	17.008	119	14547m	0.052	ppbv	
70) n-Butylbenzene	17.911	91	17107m	0.056	ppbv	
71) 2-Chlorotoluene	14.815	91	13820m	0.064	ppbv	
72) 4-Ethyltoluene	15.207	105	12316m	0.057	ppbv	
73) 1,3,5-Trimethylbenzene	15.365	105	11322m	0.056	ppbv	
74) 1,2,4-Trimethylbenzene	16.117	105	12962m	0.058	ppbv	
75) 1,3-Dichlorobenzene	16.346	146	10254m	0.084	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	10583m	0.089	ppbv	
77) 1,2-Dichlorobenzene	17.165	146	9757m	0.081	ppbv	
78) Hexachloro-1,3-Butadiene	22.641	225	8047m	0.097	ppbv	
79) Naphthalene	21.403	128	5018m	0.040	ppbv	
81) 1,2,4-Trichlorobenzene	21.165	180	4300m	0.055	ppbv	

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

