

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040205.D
 Acq On : 21 Feb 2023 21:46
 Operator : SY/MD
 Sample : 01627-14 LOQ 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Feb 22 05:07:47 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

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

Internal Standards						
1) Bromochloromethane	5.192	49	841890	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.655	114	2195501	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.478	117	1977634	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 1648214 10.135 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	95499	0.609	ppbv	97
3) Chlorodifluoromethane	2.671	51	57935	0.576	ppbv	95
4) Chloromethane	2.809	50	36577	0.579	ppbv	94
5) Vinyl Chloride	2.919	62	26085	0.514	ppbv	100
6) Bromomethane	3.115	94	10140	0.553	ppbv	98
7) Chloroethane	3.195	64	11852	0.589	ppbv #	73
8) Dichlorotetrafluoroethane	2.851	85	76618	0.567	ppbv	98
9) Propene	2.690	41	22896	0.559	ppbv	99
10) Heptane	7.581	43	47080m	0.483	ppbv	
11) Trichlorofluoromethane	3.558	101	77139	0.548	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.066	101	58275	0.561	ppbv	99
13) Ethanol	3.253	45	2639	0.699	ppbv #	5
14) Bromoethene	3.366	108	21881	0.549	ppbv	94
15) Acetone	3.481	43	63354	0.625	ppbv	94
16) 1,3-Butadiene	2.980	39	24928m	0.539	ppbv	
17) tert-Butyl alcohol	3.899	59	56255m	0.609	ppbv	
18) 1,1-Dichloroethene	3.877	96	25184	0.558	ppbv	94
19) Isopropyl Alcohol	3.594	45	29122	0.604	ppbv #	97
20) Methylene Chloride	3.928	84	36332	0.689	ppbv	91
21) Allyl Chloride	3.999	41	29154	0.469	ppbv #	77
22) trans-1,2-Dichloroethene	4.449	96	26028m	0.557	ppbv	
23) Vinyl Acetate	4.639	43	18739m	0.609	ppbv	
24) 1,1-Dichloroethane	4.565	63	52168	0.543	ppbv	98
25) Ethyl Acetate	5.214	43	95226	0.505	ppbv #	97
26) Hexane	5.214	57	39692	0.491	ppbv	88
27) Carbon Disulfide	4.124	76	44866	0.437	ppbv #	91
28) Methyl tert-Butyl Ether	4.597	73	44673	0.515	ppbv	95
29) Chloroform	5.272	83	75741	0.545	ppbv	92
30) Cyclohexane	6.607	84	33884	0.533	ppbv #	84
31) cis-1,2-Dichloroethene	5.076	61	42555	0.554	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	72160	0.553	ppbv	97
34) 2-Butanone	4.800	43	57649	0.532	ppbv	96
35) Carbon Tetrachloride	6.494	117	67662	0.521	ppbv	97
36) Benzene	6.372	78	84219	0.493	ppbv	97
37) 1,2-Dichloroethane	5.806	62	56758	0.531	ppbv	99
38) Trichloroethene	7.298	130	45523	0.484	ppbv	90
39) 1,2-Dichloropropane	7.076	63	33921	0.510	ppbv #	91
40) 1,4-Dioxane	7.320	88	14645m	0.551	ppbv	
41) Tetrahydrofuran	5.587	42	31102m	0.496	ppbv	
42) Bromodichloromethane	7.250	83	73063m	0.495	ppbv	
43) Methyl Methacrylate	7.491	69	28401m	0.449	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	138487	0.486	ppbv	93
45) t-1,3-Dichloropropene	8.719	75	19796m	0.353	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	32850m	0.420	ppbv	
47) 1,1,2-Trichloroethane	8.912	97	35531m	0.494	ppbv	
48) Dibromochloromethane	9.716	129	50400	0.438	ppbv	99
49) Bromoform	12.417	173	37140m	0.414	ppbv	
50) 4-Methyl-2-Pentanone	8.205	43	82012m	0.488	ppbv	
51) 2-Hexanone	9.584	43	54074m	0.418	ppbv	
52) Tetrachloroethene	10.622	164	28237m	0.529	ppbv	
53) Toluene	9.230	91	77785	0.425	ppbv	99
54) 1,2-Dibromoethane	10.021	107	37362	0.500	ppbv	93
56) 1,1,1,2-Tetrachloroethane	11.516	131	43535	0.524	ppbv #	1
57) Chlorobenzene	11.536	112	77094	0.534	ppbv	98
58) Ethyl Benzene	12.098	91	108950	0.453	ppbv	94
59) m/p-Xylene	12.378	91	199169m	0.936	ppbv	
60) o-Xylene	13.076	91	97741m	0.477	ppbv	
61) Styrene	12.909	104	39668m	0.369	ppbv	
62) Isopropylbenzene	14.037	105	147434	0.502	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.056	83	39972m	0.542	ppbv	
64) n-propylbenzene	14.931	120	34433	0.473	ppbv	77
65) tert-Butylbenzene	16.108	119	118360	0.463	ppbv	91
66) Benzyl Chloride	16.346	91	6973m	0.410	ppbv	
67) sec-Butylbenzene	16.651	105	181621m	0.496	ppbv	
69) p-Isopropyltoluene	17.008	119	125687	0.433	ppbv	94
70) n-Butylbenzene	17.902	91	145216	0.461	ppbv	96
71) 2-Chlorotoluene	14.812	91	106358	0.473	ppbv	97
72) 4-Ethyltoluene	15.208	105	104613m	0.462	ppbv	
73) 1,3,5-Trimethylbenzene	15.368	105	99220	0.471	ppbv	86
74) 1,2,4-Trimethylbenzene	16.117	105	111626	0.482	ppbv #	89
75) 1,3-Dichlorobenzene	16.339	146	64044m	0.506	ppbv	
76) 1,4-Dichlorobenzene	16.487	146	62126m	0.501	ppbv	
77) 1,2-Dichlorobenzene	17.156	146	65841m	0.523	ppbv	
78) Hexachloro-1,3-Butadiene	22.651	225	47134m	0.545	ppbv	
79) Naphthalene	21.410	128	50361m	0.387	ppbv	
80) Naphthalene,2-methyl-	24.387	142	13211m	0.357	ppbv	
81) 1,2,4-Trichlorobenzene	21.165	180	36657m	0.451	ppbv	

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

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