

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040211.D
 Acq On : 22 Feb 2023 1:29
 Operator : SY/MD
 Sample : 01627-13 LOD 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2023

Quant Time: Feb 22 05:11:23 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	5.189	49	799890	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.651	114	2035993	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.468	117	1801094	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.780 95 1487641 10.045 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	19184	0.129	ppbv	99
3) Chlorodifluoromethane	2.668	51	11049	0.116	ppbv	94
4) Chloromethane	2.809	50	8098	0.135	ppbv #	84
5) Vinyl Chloride	2.915	62	5291	0.110	ppbv #	35
6) Bromomethane	3.111	94	2336m	0.134	ppbv	
7) Chloroethane	3.195	64	2426m	0.127	ppbv	
8) Dichlorotetrafluoroethane	2.851	85	13704	0.107	ppbv	94
9) Propene	2.697	41	5755m	0.148	ppbv	
10) Heptane	7.577	43	6843m	0.074	ppbv	
11) Trichlorofluoromethane	3.558	101	15263	0.114	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.060	101	10997	0.111	ppbv	93
13) Ethanol	3.263	45	1204m	0.336	ppbv	
14) Bromoethene	3.359	108	3939m	0.104	ppbv	
15) Acetone	3.488	43	17007	0.177	ppbv #	85
16) 1,3-Butadiene	2.976	39	6339m	0.144	ppbv	
17) tert-Butyl alcohol	3.909	59	10729m	0.122	ppbv	
18) 1,1-Dichloroethene	3.877	96	5818	0.136	ppbv #	55
19) Isopropyl Alcohol	3.594	45	6591m	0.144	ppbv	
20) Methylene Chloride	3.928	84	13749	0.274	ppbv	93
21) Allyl Chloride	3.999	41	6806m	0.115	ppbv	
22) trans-1,2-Dichloroethene	4.449	96	4083m	0.092	ppbv	
23) Vinyl Acetate	4.639	43	3572m	0.122	ppbv	
24) 1,1-Dichloroethane	4.558	63	9049	0.099	ppbv #	97
25) Ethyl Acetate	5.211	43	17287m	0.097	ppbv	
26) Hexane	5.208	57	8149m	0.106	ppbv	
27) Carbon Disulfide	4.121	76	8343	0.086	ppbv #	25
28) Methyl tert-Butyl Ether	4.607	73	7335	0.089	ppbv #	82
29) Chloroform	5.269	83	14150	0.107	ppbv #	82
30) Cyclohexane	6.597	84	4407m	0.073	ppbv	
31) cis-1,2-Dichloroethene	5.079	61	7666m	0.105	ppbv	
32) 1,1,1-Trichloroethane	5.996	97	13171m	0.106	ppbv	
34) 2-Butanone	4.812	43	12240m	0.122	ppbv	
35) Carbon Tetrachloride	6.494	117	12294m	0.102	ppbv	
36) Benzene	6.372	78	14021m	0.088	ppbv	
37) 1,2-Dichloroethane	5.806	62	9913m	0.100	ppbv	
38) Trichloroethene	7.282	130	8019m	0.092	ppbv	
39) 1,2-Dichloropropane	7.066	63	6816m	0.111	ppbv	
40) 1,4-Dioxane	7.340	88	2243m	0.091	ppbv	
41) Tetrahydrofuran	5.587	42	4903m	0.084	ppbv	
42) Bromodichloromethane	7.250	83	12733m	0.093	ppbv	
43) Methyl Methacrylate	7.491	69	3731m	0.064	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	19818m	0.075	ppbv	
45) t-1,3-Dichloropropene	8.729	75	2564m	0.049	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	4979m	0.069	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	6533m	0.098	ppbv	
48) Dibromochloromethane	9.709	129	8177m	0.077	ppbv	
49) Bromoform	12.407	173	5683m	0.068	ppbv	
50) 4-Methyl-2-Pentanone	8.224	43	11166m	0.072	ppbv	
51) 2-Hexanone	9.590	43	7271m	0.061	ppbv	
52) Tetrachloroethene	10.613	164	4906m	0.099	ppbv	
53) Toluene	9.227	91	11005m	0.065	ppbv	
54) 1,2-Dibromoethane	10.011	107	5621m	0.081	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.507	131	7650m	0.101	ppbv	
57) Chlorobenzene	11.526	112	14766m	0.112	ppbv	
58) Ethyl Benzene	12.085	91	13526m	0.062	ppbv	
59) m/p-Xylene	12.346	91	22383m	0.115	ppbv	
60) o-Xylene	13.069	91	10987m	0.059	ppbv	
61) Styrene	12.902	104	4642m	0.047	ppbv	
62) Isopropylbenzene	14.031	105	20450m	0.076	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.056	83	6541m	0.097	ppbv	
64) n-propylbenzene	14.915	120	3828m	0.058	ppbv	
65) tert-Butylbenzene	16.101	119	14118m	0.061	ppbv	
67) sec-Butylbenzene	16.641	105	18797m	0.056	ppbv	
69) p-Isopropyltoluene	17.011	119	13251m	0.050	ppbv	
70) n-Butylbenzene	17.895	91	15383m	0.054	ppbv	
71) 2-Chlorotoluene	14.809	91	14484m	0.071	ppbv	
72) 4-Ethyltoluene	15.201	105	11869m	0.058	ppbv	
73) 1,3,5-Trimethylbenzene	15.362	105	11481m	0.060	ppbv	
74) 1,2,4-Trimethylbenzene	16.117	105	11112m	0.053	ppbv	
75) 1,3-Dichlorobenzene	16.349	146	9193m	0.080	ppbv	
76) 1,4-Dichlorobenzene	16.490	146	8960m	0.079	ppbv	
77) 1,2-Dichlorobenzene	17.162	146	9015m	0.079	ppbv	
78) Hexachloro-1,3-Butadiene	22.648	225	7425m	0.094	ppbv	
79) Naphthalene	21.407	128	4405m	0.037	ppbv	
81) 1,2,4-Trichlorobenzene	21.162	180	3886m	0.052	ppbv	

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

Manual Integrations

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