

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040177.D
 Acq On : 15 Feb 2023 15:48
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

Quant Time: Feb 15 16:24:54 2023

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

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

QLast Update : Wed Feb 15 14:52:25 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	941750	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.655	114	2396738	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2169923	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.786 95 1813682 10.189 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	95922	0.541	ppbv	92
3) Chlorodifluoromethane	2.661	51	61013	0.542	ppbv	99
4) Chloromethane	2.806	50	39517	0.574	ppbv	91
5) Vinyl Chloride	2.909	62	30244	0.529	ppbv	99
6) Bromomethane	3.108	94	10633	0.518	ppbv	92
7) Chloroethane	3.189	64	12097	0.549	ppbv #	77
8) Dichlorotetrafluoroethane	2.848	85	84679	0.566	ppbv	98
9) Propene	2.684	41	22657	0.484	ppbv	98
10) Heptane	7.581	43	48656m	0.440	ppbv	
11) Trichlorofluoromethane	3.555	101	89410	0.581	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.060	101	62268	0.542	ppbv	98
13) Ethanol	3.240	45	2651m	0.614	ppbv	
14) Bromoethene	3.359	108	23674	0.531	ppbv #	97
15) Acetone	3.475	43	63708	0.562	ppbv	99
16) 1,3-Butadiene	2.976	39	25440	0.486	ppbv	95
17) tert-Butyl alcohol	3.886	59	56805	0.539	ppbv	96
18) 1,1-Dichloroethene	3.873	96	26065	0.513	ppbv	88
19) Isopropyl Alcohol	3.587	45	32121m	0.593	ppbv	
20) Methylene Chloride	3.928	84	36958	0.621	ppbv	95
21) Allyl Chloride	3.992	41	32300	0.461	ppbv	87
22) trans-1,2-Dichloroethene	4.446	96	26856	0.519	ppbv #	76
23) Vinyl Acetate	4.632	43	16649m	0.482	ppbv	
24) 1,1-Dichloroethane	4.561	63	54867	0.513	ppbv	98
25) Ethyl Acetate	5.211	43	102296	0.478	ppbv	98
26) Hexane	5.211	57	42963	0.466	ppbv	89
27) Carbon Disulfide	4.121	76	54027	0.476	ppbv	94
28) Methyl tert-Butyl Ether	4.594	73	49511	0.511	ppbv	98
29) Chloroform	5.272	83	81285	0.522	ppbv	96
30) Cyclohexane	6.606	84	29047	0.387	ppbv #	91
31) cis-1,2-Dichloroethene	5.076	61	40618	0.463	ppbv	90
32) 1,1,1-Trichloroethane	6.002	97	77173	0.540	ppbv	98
34) 2-Butanone	4.796	43	58184	0.494	ppbv	99
35) Carbon Tetrachloride	6.494	117	71535	0.511	ppbv	98
36) Benzene	6.375	78	88285	0.468	ppbv	96
37) 1,2-Dichloroethane	5.809	62	59672	0.518	ppbv	100
38) Trichloroethene	7.294	130	50702	0.507	ppbv	90
39) 1,2-Dichloropropane	7.079	63	36793m	0.508	ppbv	
40) 1,4-Dioxane	7.320	88	15322	0.531	ppbv	85
41) Tetrahydrofuran	5.581	42	29094	0.407	ppbv	99
42) Bromodichloromethane	7.253	83	78492	0.495	ppbv	97
43) Methyl Methacrylate	7.487	69	28567	0.408	ppbv	95
44) 2,2,4-Trimethylpentane	7.327	57	150384m	0.484	ppbv	
45) t-1,3-Dichloropropene	8.716	75	23266m	0.378	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040177.D
 Acq On : 15 Feb 2023 15:48
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

Quant Time: Feb 15 16:24:54 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 15 14:52:25 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	32650m	0.379	ppbv	
47) 1,1,2-Trichloroethane	8.905	97	38986	0.496	ppbv	95
48) Dibromochloromethane	9.716	129	54549	0.437	ppbv	99
49) Bromoform	12.410	173	41865m	0.434	ppbv	
50) 4-Methyl-2-Pentanone	8.204	43	78558	0.421	ppbv	98
51) 2-Hexanone	9.581	43	59594m	0.420	ppbv	
52) Tetrachloroethene	10.626	164	28818m	0.490	ppbv	
53) Toluene	9.227	91	80911m	0.397	ppbv	
54) 1,2-Dibromoethane	10.015	107	37801m	0.470	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.516	131	46334	0.512	ppbv #	1
57) Chlorobenzene	11.535	112	80791	0.507	ppbv	99
58) Ethyl Benzene	12.098	91	112518	0.421	ppbv	95
59) m/p-Xylene	12.381	91	216500m	0.926	ppbv	
60) o-Xylene	13.072	91	102558m	0.455	ppbv	
61) Styrene	12.908	104	42342	0.353	ppbv	96
62) Isopropylbenzene	14.043	105	149976	0.462	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	42217m	0.530	ppbv	
64) n-propylbenzene	14.934	120	36230m	0.464	ppbv	
65) tert-Butylbenzene	16.104	119	126032	0.447	ppbv	89
66) Benzyl Chloride	16.336	91	8944m	0.492	ppbv	
67) sec-Butylbenzene	16.648	105	187737	0.464	ppbv	98
69) p-Isopropyltoluene	17.011	119	142786	0.446	ppbv	95
70) n-Butylbenzene	17.905	91	155968	0.449	ppbv	97
71) 2-Chlorotoluene	14.815	91	111719	0.450	ppbv	97
72) 4-Ethyltoluene	15.207	105	105170	0.419	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.368	105	106586m	0.464	ppbv	
74) 1,2,4-Trimethylbenzene	16.120	105	121928	0.482	ppbv	96
75) 1,3-Dichlorobenzene	16.339	146	68533m	0.495	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	65836m	0.489	ppbv	
77) 1,2-Dichlorobenzene	17.162	146	69309m	0.505	ppbv	
78) Hexachloro-1,3-Butadiene	22.654	225	50306m	0.529	ppbv	
79) Naphthalene	21.413	128	56688m	0.396	ppbv	
80) Naphthalene,2-methyl-	24.393	142	17692m	0.474	ppbv	
81) 1,2,4-Trichlorobenzene	21.172	180	38138m	0.427	ppbv	

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

