

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041081.D
 Acq On : 11 Mar 2024 10:27
 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 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 05:48:09 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Tue Mar 12 05:47:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1216439	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3455865	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3129832	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 2505893 10.240 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	145799	0.629	ppbv	94
3) Chlorodifluoromethane	2.668	51	110838	0.620	ppbv	98
4) Chloromethane	2.812	50	43264	0.640	ppbv #	85
5) Vinyl Chloride	2.918	62	41057	0.597	ppbv	96
6) Bromomethane	3.121	94	16320	0.598	ppbv	87
7) Chloroethane	3.195	64	14846m	0.613	ppbv	
8) Dichlorotetrafluoroethane	2.854	85	109126	0.648	ppbv	94
9) Propene	2.687	41	35198	0.592	ppbv	93
10) Heptane	7.590	43	69239m	0.486	ppbv	
11) Trichlorofluoromethane	3.562	101	116845	0.654	ppbv	91
12) 1,1,2-Trichlorotrifluo...	4.066	101	80082	0.609	ppbv	96
13) Ethanol	3.253	45	10185m	0.677	ppbv	
14) Bromoethene	3.365	108	33622m	0.656	ppbv	
15) Acetone	3.481	43	101293	0.731	ppbv	91
16) 1,3-Butadiene	2.986	39	31713	0.486	ppbv	87
17) tert-Butyl alcohol	3.896	59	59310	0.576	ppbv	99
18) 1,1-Dichloroethene	3.880	96	35886m	0.620	ppbv	
19) Isopropyl Alcohol	3.597	45	39141	0.529	ppbv #	83
20) Methylene Chloride	3.938	84	39367	0.729	ppbv #	78
21) Allyl Chloride	3.999	41	41398	0.529	ppbv #	87
22) trans-1,2-Dichloroethene	4.449	96	33129m	0.481	ppbv	
23) Vinyl Acetate	4.635	43	68672m	0.446	ppbv	
24) 1,1-Dichloroethane	4.571	63	74634	0.527	ppbv	98
25) Ethyl Acetate	5.217	43	128965m	0.517	ppbv	
26) Hexane	5.224	57	53480	0.478	ppbv	85
27) Carbon Disulfide	4.134	76	71216m	0.532	ppbv	
28) Methyl tert-Butyl Ether	4.603	73	46588	0.472	ppbv	97
29) Chloroform	5.282	83	107682	0.559	ppbv	100
30) Cyclohexane	6.613	84	50630m	0.553	ppbv	
31) cis-1,2-Dichloroethene	5.086	61	55130m	0.508	ppbv	
32) 1,1,1-Trichloroethane	6.015	97	100363	0.582	ppbv	97
34) 2-Butanone	4.803	43	90699m	0.529	ppbv	
35) Carbon Tetrachloride	6.504	117	101372	0.504	ppbv	94
36) Benzene	6.381	78	117634	0.457	ppbv	95
37) 1,2-Dichloroethane	5.812	62	79883m	0.516	ppbv	
38) Trichloroethene	7.304	130	45705	0.476	ppbv #	78
39) 1,2-Dichloropropane	7.089	63	51299m	0.499	ppbv	
40) 1,4-Dioxane	7.333	88	15702m	0.387	ppbv	
41) Tetrahydrofuran	5.594	42	44421m	0.436	ppbv	
42) Bromodichloromethane	7.262	83	102119	0.461	ppbv #	95
43) Methyl Methacrylate	7.491	69	40836m	0.411	ppbv	
44) 2,2,4-Trimethylpentane	7.340	57	195034	0.454	ppbv	92
45) t-1,3-Dichloropropene	8.722	75	23999m	0.348	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041081.D
 Acq On : 11 Mar 2024 10:27
 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 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 05:48:09 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Tue Mar 12 05:47:21 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	32709m	0.380	ppbv	
47) 1,1,2-Trichloroethane	8.918	97	57209m	0.520	ppbv	
48) Dibromochloromethane	9.729	129	74951	0.418	ppbv	97
49) Bromoform	12.423	173	57613	0.405	ppbv	97
50) 4-Methyl-2-Pentanone	8.217	43	110153m	0.436	ppbv	
51) 2-Hexanone	9.587	43	74275m	0.397	ppbv	
52) Tetrachloroethene	10.629	164	41697m	0.521	ppbv	
53) Toluene	9.240	91	110000m	0.397	ppbv	
54) 1,2-Dibromoethane	10.028	107	64555	0.458	ppbv	85
56) 1,1,1,2-Tetrachloroethane	11.529	131	69041m	0.515	ppbv	
57) Chlorobenzene	11.539	112	116260m	0.519	ppbv	
58) Ethyl Benzene	12.108	91	146325	0.399	ppbv	90
59) m/p-Xylene	12.388	91	290261m	0.902	ppbv	
60) o-Xylene	13.076	91	128985	0.423	ppbv	100
61) Styrene	12.918	104	43639m	0.314	ppbv	
62) Isopropylbenzene	14.047	105	213526	0.470	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.069	83	130079	0.558	ppbv	100
64) n-propylbenzene	14.928	120	51487m	0.450	ppbv	
65) tert-Butylbenzene	16.111	119	180853m	0.459	ppbv	
66) Benzyl Chloride	16.349	91	10291m	0.388	ppbv	
67) sec-Butylbenzene	16.654	105	260908	0.460	ppbv	98
69) p-Isopropyltoluene	17.011	119	194909m	0.441	ppbv	
70) n-Butylbenzene	17.905	91	217256m	0.454	ppbv	
71) 2-Chlorotoluene	14.822	91	153830	0.443	ppbv	98
72) 4-Ethyltoluene	15.214	105	144995m	0.431	ppbv	
73) 1,3,5-Trimethylbenzene	15.378	105	133297m	0.448	ppbv	
74) 1,2,4-Trimethylbenzene	16.127	105	156957	0.462	ppbv	94
75) 1,3-Dichlorobenzene	16.349	146	94731	0.488	ppbv	96
76) 1,4-Dichlorobenzene	16.490	146	99135m	0.508	ppbv	
77) 1,2-Dichlorobenzene	17.166	146	94535m	0.493	ppbv	
78) Hexachloro-1,3-Butadiene	22.664	225	72646m	0.542	ppbv	
79) Naphthalene	21.416	128	76420m	0.382	ppbv	
80) Naphthalene,2-methyl-	24.416	142	7462m	0.286	ppbv	
81) 1,2,4-Trichlorobenzene	21.175	180	51619m	0.452	ppbv	

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Manual Integrations

Reviewed By :Semsettin Yesilyurt 03/12/2024
Supervised By :Mahesh Dadoda 03/12/2024

