

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041084.D
 Acq On : 11 Mar 2024 12:23
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Mar 12 05:50:13 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	1474460	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3823500	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	3470488	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2684467 9.893 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	300683	1.070	ppbv	94
3) Chlorodifluoromethane	2.674	51	230971	1.067	ppbv	98
4) Chloromethane	2.812	50	89081	1.087	ppbv	95
5) Vinyl Chloride	2.922	62	80000	0.959	ppbv	92
6) Bromomethane	3.124	94	31980	0.967	ppbv	99
7) Chloroethane	3.198	64	29623	1.009	ppbv	91
8) Dichlorotetrafluoroethane	2.857	85	219106	1.074	ppbv	98
9) Propene	2.693	41	75350	1.045	ppbv	91
10) Heptane	7.594	43	173571	1.006	ppbv	96
11) Trichlorofluoromethane	3.565	101	229828	1.061	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.076	101	167911	1.054	ppbv	96
13) Ethanol	3.253	45	21294m	1.167	ppbv	
14) Bromoethene	3.369	108	64483	1.038	ppbv	96
15) Acetone	3.478	43	187424	1.116	ppbv	96
16) 1,3-Butadiene	2.986	39	76891	0.972	ppbv	94
17) tert-Butyl alcohol	3.886	59	140338m	1.124	ppbv	
18) 1,1-Dichloroethene	3.886	96	71331	1.017	ppbv	94
19) Isopropyl Alcohol	3.594	45	94899	1.058	ppbv #	97
20) Methylene Chloride	3.938	84	69243	1.057	ppbv	87
21) Allyl Chloride	4.005	41	94448	0.996	ppbv	97
22) trans-1,2-Dichloroethene	4.452	96	80715	0.967	ppbv	98
23) Vinyl Acetate	4.639	43	187441	1.005	ppbv	98
24) 1,1-Dichloroethane	4.571	63	187686	1.093	ppbv	99
25) Ethyl Acetate	5.218	43	327572	1.082	ppbv	100
26) Hexane	5.224	57	142879m	1.053	ppbv	
27) Carbon Disulfide	4.131	76	162336	1.001	ppbv #	88
28) Methyl tert-Butyl Ether	4.600	73	128599	1.075	ppbv	98
29) Chloroform	5.282	83	248014	1.062	ppbv	85
30) Cyclohexane	6.610	84	107935	0.972	ppbv	88
31) cis-1,2-Dichloroethene	5.086	61	138698m	1.055	ppbv	
32) 1,1,1-Trichloroethane	6.012	97	232090	1.110	ppbv	100
34) 2-Butanone	4.800	43	191837	1.011	ppbv	95
35) Carbon Tetrachloride	6.507	117	238188	1.070	ppbv	98
36) Benzene	6.378	78	290585	1.021	ppbv	98
37) 1,2-Dichloroethane	5.819	62	182043	1.063	ppbv	99
38) Trichloroethene	7.301	130	112573	1.060	ppbv	97
39) 1,2-Dichloropropane	7.086	63	116598	1.025	ppbv #	84
40) 1,4-Dioxane	7.317	88	48402m	1.079	ppbv	
41) Tetrahydrofuran	5.584	42	107882	0.958	ppbv	94
42) Bromodichloromethane	7.259	83	245198	1.000	ppbv #	87
43) Methyl Methacrylate	7.491	69	109156	0.993	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	492404	1.035	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	66974m	0.877	ppbv	

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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	83983	0.883	ppbv	98
47) 1,1,2-Trichloroethane	8.905	97	117317	0.964	ppbv	96
48) Dibromochloromethane	9.722	129	192702	0.972	ppbv	99
49) Bromoform	12.420	173	150115	0.953	ppbv	98
50) 4-Methyl-2-Pentanone	8.201	43	275650	0.987	ppbv	99
51) 2-Hexanone	9.577	43	212304m	1.027	ppbv	
52) Tetrachloroethene	10.635	164	97774m	1.105	ppbv	
53) Toluene	9.233	91	299979	0.978	ppbv	99
54) 1,2-Dibromoethane	10.024	107	156875	1.005	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.523	131	157264	1.058	ppbv #	1
57) Chlorobenzene	11.545	112	260882	1.050	ppbv	96
58) Ethyl Benzene	12.105	91	420299	1.034	ppbv	96
59) m/p-Xylene	12.384	91	755348m	2.118	ppbv	
60) o-Xylene	13.076	91	349454	1.033	ppbv	99
61) Styrene	12.918	104	140215	0.909	ppbv	96
62) Isopropylbenzene	14.044	105	534126m	1.061	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.066	83	277284	1.073	ppbv	98
64) n-propylbenzene	14.931	120	128731	1.015	ppbv	85
65) tert-Butylbenzene	16.105	119	460747	1.055	ppbv	97
66) Benzyl Chloride	16.336	91	26610m	0.904	ppbv	
67) sec-Butylbenzene	16.654	105	677036	1.077	ppbv	99
69) p-Isopropyltoluene	17.011	119	516253	1.052	ppbv	99
70) n-Butylbenzene	17.905	91	563097	1.062	ppbv	96
71) 2-Chlorotoluene	14.818	91	395839	1.029	ppbv	98
72) 4-Ethyltoluene	15.211	105	382028	1.025	ppbv	98
73) 1,3,5-Trimethylbenzene	15.368	105	339487	1.029	ppbv	94
74) 1,2,4-Trimethylbenzene	16.124	105	400288	1.062	ppbv	96
75) 1,3-Dichlorobenzene	16.349	146	213421	0.992	ppbv	95
76) 1,4-Dichlorobenzene	16.490	146	225776m	1.043	ppbv	
77) 1,2-Dichlorobenzene	17.162	146	218437	1.028	ppbv	98
78) Hexachloro-1,3-Butadiene	22.661	225	163861m	1.103	ppbv	
79) Naphthalene	21.413	128	236320m	1.066	ppbv	
80) Naphthalene,2-methyl-	24.461	142	30674m	1.059	ppbv	
81) 1,2,4-Trichlorobenzene	21.169	180	122193	0.964	ppbv	95

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

