

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040915.D
 Acq On : 20 Dec 2023 11:48
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023
 Supervised By :Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 07:08:33 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Thu Dec 21 07:06:17 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1302693	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3273636	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	3081487	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 2204815 9.714 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	516227	2.080	ppbv	97
3) Chlorodifluoromethane	2.674	51	406903	2.076	ppbv	99
4) Chloromethane	2.812	50	145876	2.018	ppbv	91
5) Vinyl Chloride	2.919	62	152029	2.260	ppbv	97
6) Bromomethane	3.115	94	63349	2.050	ppbv	94
7) Chloroethane	3.195	64	53693	2.158	ppbv	94
8) Dichlorotetrafluoroethane	2.854	85	363879	2.035	ppbv	96
9) Propene	2.693	41	139433	2.156	ppbv	100
10) Heptane	7.555	43	345372	2.148	ppbv	99
11) Trichlorofluoromethane	3.555	101	406654	2.096	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.054	101	344039	2.284	ppbv	100
13) Ethanol	3.243	45	32955m	2.280	ppbv	
14) Bromoethene	3.359	108	116151	2.104	ppbv	98
15) Acetone	3.465	43	350141	2.241	ppbv	96
16) 1,3-Butadiene	2.983	39	140390	2.087	ppbv	97
17) tert-Butyl alcohol	3.873	59	230081	1.991	ppbv	98
18) 1,1-Dichloroethene	3.873	96	127008	2.042	ppbv	92
19) Isopropyl Alcohol	3.578	45	171100	2.071	ppbv #	97
20) Methylene Chloride	3.922	84	116581	2.072	ppbv	95
21) Allyl Chloride	3.986	41	209558	2.269	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	148949	2.078	ppbv	94
23) Vinyl Acetate	4.613	43	361479	2.047	ppbv	98
24) 1,1-Dichloroethane	4.552	63	343228	2.226	ppbv	97
25) Ethyl Acetate	5.192	43	565236	2.088	ppbv	98
26) Hexane	5.198	57	256567	2.123	ppbv	99
27) Carbon Disulfide	4.115	76	380827	2.345	ppbv	97
28) Methyl tert-Butyl Ether	4.578	73	246667	2.216	ppbv	100
29) Chloroform	5.256	83	435571	2.151	ppbv	94
30) Cyclohexane	6.578	84	214238	2.142	ppbv #	82
31) cis-1,2-Dichloroethene	5.063	61	262209	2.128	ppbv	99
32) 1,1,1-Trichloroethane	5.986	97	426373	2.210	ppbv	98
34) 2-Butanone	4.774	43	364402	2.104	ppbv	99
35) Carbon Tetrachloride	6.471	117	442766	2.151	ppbv	97
36) Benzene	6.349	78	546505	2.136	ppbv	98
37) 1,2-Dichloroethane	5.787	62	316801	2.066	ppbv	100
38) Trichloroethene	7.269	130	206857	2.102	ppbv	96
39) 1,2-Dichloropropane	7.050	63	201834	2.001	ppbv	93
40) 1,4-Dioxane	7.282	88	85512m	2.049	ppbv	
41) Tetrahydrofuran	5.549	42	219201	2.086	ppbv	98
42) Bromodichloromethane	7.227	83	465084	2.103	ppbv	98
43) Methyl Methacrylate	7.449	69	206936	2.074	ppbv	94
44) 2,2,4-Trimethylpentane	7.304	57	938474	2.159	ppbv	99
45) t-1,3-Dichloropropene	8.680	75	149951	2.027	ppbv	94

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.114	75	192361	2.088	ppbv	99
47) 1,1,2-Trichloroethane	8.867	97	225886	2.093	ppbv	96
48) Dibromochloromethane	9.684	129	387432	2.126	ppbv	99
49) Bromoform	12.372	173	301234m	2.136	ppbv	
50) 4-Methyl-2-Pentanone	8.159	43	565116	2.150	ppbv	100
51) 2-Hexanone	9.532	43	401275	2.122	ppbv #	98
52) Tetrachloroethene	10.587	164	183647	2.128	ppbv	94
53) Toluene	9.195	91	615734	2.153	ppbv	100
54) 1,2-Dibromoethane	9.979	107	321599	2.183	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.481	131	283210	2.102	ppbv #	1
57) Chlorobenzene	11.494	112	491555	2.161	ppbv	99
58) Ethyl Benzene	12.060	91	852099	2.152	ppbv	96
59) m/p-Xylene	12.339	91	1443765m	4.288	ppbv	
60) o-Xylene	13.027	91	685932	2.162	ppbv	99
61) Styrene	12.870	104	325429	2.151	ppbv	99
62) Isopropylbenzene	13.998	105	1013849	2.155	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.015	83	488653	2.145	ppbv	98
64) n-propylbenzene	14.886	120	250925	2.114	ppbv	86
65) tert-Butylbenzene	16.063	119	880613	2.168	ppbv	99
66) Benzyl Chloride	16.294	91	49227m	1.788	ppbv	
67) sec-Butylbenzene	16.609	105	1260259	2.169	ppbv	98
69) p-Isopropyltoluene	16.963	119	983294	2.179	ppbv	99
70) n-Butylbenzene	17.857	91	1000463	2.134	ppbv	99
71) 2-Chlorotoluene	14.767	91	777165m	2.146	ppbv	
72) 4-Ethyltoluene	15.162	105	736465	2.115	ppbv	99
73) 1,3,5-Trimethylbenzene	15.320	105	652191	2.170	ppbv	99
74) 1,2,4-Trimethylbenzene	16.079	105	710955	2.126	ppbv	92
75) 1,3-Dichlorobenzene	16.301	146	404462	2.110	ppbv	99
76) 1,4-Dichlorobenzene	16.439	146	393228	2.101	ppbv	99
77) 1,2-Dichlorobenzene	17.111	146	388725m	2.103	ppbv	
78) Hexachloro-1,3-Butadiene	22.603	225	243235	2.121	ppbv	97
79) Naphthalene	21.362	128	357863m	2.288	ppbv	
80) Naphthalene,2-methyl-	24.361	142	69862m	2.555	ppbv	
81) 1,2,4-Trichlorobenzene	21.111	180	191147m	2.039	ppbv	

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

Manual Integrations

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