

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041121.D
 Acq On : 4 Apr 2024 10:07
 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 04/05/2024
 Supervised By :Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 04:15:56 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 05 04:13:19 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.217	49	1479754	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.680	114	3830680	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	3633674	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.812 95 2841341 9.760 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	516367	2.034	ppbv	100
3) Chlorodifluoromethane	2.680	51	485978	2.132	ppbv	97
4) Chloromethane	2.819	50	186683	2.164	ppbv	96
5) Vinyl Chloride	2.928	62	185325	2.248	ppbv	95
6) Bromomethane	3.131	94	66311	2.114	ppbv	89
7) Chloroethane	3.211	64	64416	2.146	ppbv	97
8) Dichlorotetrafluoroethane	2.864	85	451207	2.090	ppbv	95
9) Propene	2.700	41	158070	2.180	ppbv	96
10) Heptane	7.613	43	372517	2.164	ppbv	98
11) Trichlorofluoromethane	3.578	101	485902	2.117	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.082	101	357717	2.153	ppbv	99
13) Ethanol	3.262	45	38814m	2.298	ppbv	
14) Bromoethene	3.378	108	134856	2.061	ppbv #	93
15) Acetone	3.488	43	355302	2.218	ppbv	98
16) 1,3-Butadiene	2.996	39	167622	2.131	ppbv	94
17) tert-Butyl alcohol	3.896	59	312203	2.147	ppbv	99
18) 1,1-Dichloroethene	3.899	96	151085	2.130	ppbv	94
19) Isopropyl Alcohol	3.597	45	207129	2.104	ppbv	98
20) Methylene Chloride	3.951	84	133970	2.027	ppbv	91
21) Allyl Chloride	4.015	41	207093	2.121	ppbv	99
22) trans-1,2-Dichloroethene	4.465	96	153178	2.071	ppbv	94
23) Vinyl Acetate	4.648	43	350578	2.109	ppbv #	96
24) 1,1-Dichloroethane	4.584	63	322182	2.163	ppbv	98
25) Ethyl Acetate	5.230	43	666392	2.215	ppbv	99
26) Hexane	5.237	57	302451	2.240	ppbv	98
27) Carbon Disulfide	4.143	76	358031	2.184	ppbv	99
28) Methyl tert-Butyl Ether	4.610	73	230657	2.264	ppbv	99
29) Chloroform	5.295	83	478511	2.102	ppbv	99
30) Cyclohexane	6.632	84	242430m	2.232	ppbv	
31) cis-1,2-Dichloroethene	5.102	61	280881	2.198	ppbv	95
32) 1,1,1-Trichloroethane	6.031	97	477269	2.268	ppbv	99
34) 2-Butanone	4.812	43	346983	2.097	ppbv	98
35) Carbon Tetrachloride	6.520	117	490992	2.246	ppbv	97
36) Benzene	6.401	78	606338	2.158	ppbv	98
37) 1,2-Dichloroethane	5.832	62	352640	2.088	ppbv	100
38) Trichloroethene	7.320	130	218036	2.138	ppbv	97
39) 1,2-Dichloropropane	7.098	63	234013m	2.098	ppbv	
40) 1,4-Dioxane	7.336	88	91561m	2.395	ppbv	
41) Tetrahydrofuran	5.587	42	230792	2.181	ppbv	99
42) Bromodichloromethane	7.278	83	522696	2.166	ppbv	98
43) Methyl Methacrylate	7.503	69	236337m	2.421	ppbv	
44) 2,2,4-Trimethylpentane	7.356	57	1039313	2.232	ppbv	100
45) t-1,3-Dichloropropene	8.741	75	126972	2.018	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.172	75	162555	2.030	ppbv	96
47) 1,1,2-Trichloroethane	8.928	97	252907m	2.109	ppbv	
48) Dibromochloromethane	9.745	129	400397	2.104	ppbv	98
49) Bromoform	12.442	173	322203	2.136	ppbv	99
50) 4-Methyl-2-Pentanone	8.220	43	618053	2.177	ppbv	100
51) 2-Hexanone	9.597	43	430763	2.188	ppbv #	100
52) Tetrachloroethene	10.651	164	196457	2.181	ppbv	97
53) Toluene	9.253	91	653702	2.199	ppbv	98
54) 1,2-Dibromoethane	10.040	107	330691	2.213	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.542	131	314830	2.118	ppbv #	1
57) Chlorobenzene	11.558	112	518854	2.110	ppbv	99
58) Ethyl Benzene	12.124	91	869884	2.198	ppbv	97
59) m/p-Xylene	12.407	91	1574139m	4.401	ppbv	
60) o-Xylene	13.092	91	757370	2.226	ppbv	97
61) Styrene	12.934	104	322954	2.145	ppbv	97
62) Isopropylbenzene	14.063	105	1101011	2.180	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.085	83	580875	2.164	ppbv	100
64) n-propylbenzene	14.953	120	274321	2.170	ppbv	88
65) tert-Butylbenzene	16.127	119	984874	2.233	ppbv	96
66) Benzyl Chloride	16.365	91	55855m	1.921	ppbv	
67) sec-Butylbenzene	16.674	105	1431601	2.251	ppbv	98
69) p-Isopropyltoluene	17.034	119	1128286	2.275	ppbv	98
70) n-Butylbenzene	17.921	91	1234287	2.285	ppbv	98
71) 2-Chlorotoluene	14.838	91	847772	2.192	ppbv	97
72) 4-Ethyltoluene	15.230	105	816714	2.176	ppbv	99
73) 1,3,5-Trimethylbenzene	15.387	105	732660	2.194	ppbv	99
74) 1,2,4-Trimethylbenzene	16.140	105	852802	2.217	ppbv #	91
75) 1,3-Dichlorobenzene	16.368	146	485446	2.175	ppbv	100
76) 1,4-Dichlorobenzene	16.513	146	458380	2.108	ppbv	98
77) 1,2-Dichlorobenzene	17.178	146	484152m	2.231	ppbv	
78) Hexachloro-1,3-Butadiene	22.673	225	317937m	2.207	ppbv	
79) Naphthalene	21.432	128	602941	2.495	ppbv	99
80) Naphthalene,2-methyl-	24.416	142	98868	2.334	ppbv	91
81) 1,2,4-Trichlorobenzene	21.181	180	301737m	2.167	ppbv	

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

