

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041675.D
 Acq On : 7 Nov 2024 10:55
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Nov 08 00:09:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

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

Internal Standards						
1) Bromochloromethane	5.185	49	1208732	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3351063	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3155486	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2278471	9.764	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.726	85	514444	2.355	ppbv	97
3) Chlorodifluoromethane	2.671	51	328832	2.088	ppbv	99
4) Chloromethane	2.806	50	174215	2.088	ppbv	98
5) Vinyl Chloride	2.915	62	164345	2.174	ppbv	95
6) Bromomethane	3.115	94	83930	2.108	ppbv	95
7) Chloroethane	3.192	64	56344	2.057	ppbv	95
8) Dichlorotetrafluoroethane	2.851	85	407437	2.089	ppbv	100
9) Propene	2.690	41	145858	2.125	ppbv	96
10) Heptane	7.574	43	329781	2.145	ppbv	100
11) Trichlorofluoromethane	3.558	101	404483	2.126	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.060	101	293463	2.122	ppbv	100
13) Ethanol	3.253	45	11047m	2.588	ppbv	
14) Bromoethene	3.362	108	115140	2.071	ppbv	97
15) Acetone	3.468	43	325763	2.190	ppbv	98
16) 1,3-Butadiene	2.980	39	166496	2.232	ppbv	100
17) tert-Butyl alcohol	3.880	59	250452	1.919	ppbv	100
18) 1,1-Dichloroethene	3.877	96	125850	2.075	ppbv	97
19) Isopropyl Alcohol	3.581	45	145112	2.015	ppbv	# 98
20) Methylene Chloride	3.928	84	107956	1.972	ppbv	95
21) Allyl Chloride	3.992	41	188103	2.046	ppbv	93
22) trans-1,2-Dichloroethene	4.439	96	127951	2.114	ppbv	97
23) Vinyl Acetate	4.623	43	146592	2.095	ppbv	99
24) 1,1-Dichloroethane	4.555	63	311096	2.311	ppbv	99
25) Ethyl Acetate	5.201	43	648134	2.105	ppbv	99
26) Hexane	5.205	57	247802	2.095	ppbv	93
27) Carbon Disulfide	4.121	76	275871	2.076	ppbv	# 92
28) Methyl tert-Butyl Ether	4.587	73	178647	2.345	ppbv	100
29) Chloroform	5.269	83	397794	2.037	ppbv	98
30) Cyclohexane	6.594	84	205987	2.167	ppbv	95
31) cis-1,2-Dichloroethene	5.073	61	231792	2.037	ppbv	95
32) 1,1,1-Trichloroethane	5.996	97	391289	2.186	ppbv	99
34) 2-Butanone	4.783	43	351257	2.105	ppbv	97
35) Carbon Tetrachloride	6.491	117	399871	2.257	ppbv	99
36) Benzene	6.368	78	538471	2.169	ppbv	96
37) 1,2-Dichloroethane	5.803	62	291330	2.080	ppbv	100
38) Trichloroethene	7.285	130	214170	2.237	ppbv	96
39) 1,2-Dichloropropane	7.069	63	206245	2.102	ppbv	97
40) 1,4-Dioxane	7.291	88	82194m	2.365	ppbv	
41) Tetrahydrofuran	5.561	42	206889	2.173	ppbv	99
42) Bromodichloromethane	7.243	83	411846	2.116	ppbv	100
43) Methyl Methacrylate	7.471	69	186557	2.140	ppbv	95
44) 2,2,4-Trimethylpentane	7.323	57	932386	2.217	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	150360	1.929	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	234294	2.069	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	218012m	2.061	ppbv	
48) Dibromochloromethane	9.703	129	342372	2.121	ppbv	99
49) Bromoform	12.404	173	286412	2.080	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	563317	2.198	ppbv	99
51) 2-Hexanone	9.558	43	402751	2.163	ppbv	97
52) Tetrachloroethene	10.616	164	191108m	2.252	ppbv	
53) Toluene	9.220	91	564332	2.161	ppbv	100
54) 1,2-Dibromoethane	10.005	107	279460	2.262	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.507	131	279872	2.130	ppbv #	1
57) Chlorobenzene	11.519	112	500524	2.128	ppbv	98
58) Ethyl Benzene	12.085	91	777614	2.225	ppbv	96
59) m/p-Xylene	12.368	91	1403331m	4.488	ppbv	
60) o-Xylene	13.053	91	674003	2.258	ppbv	98
61) Styrene	12.892	104	262837	2.133	ppbv	98
62) Isopropylbenzene	14.024	105	1030511	2.236	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	488021	2.245	ppbv	99
64) n-propylbenzene	14.915	120	271271	2.251	ppbv	94
65) tert-Butylbenzene	16.085	119	948395	2.290	ppbv	99
66) Benzyl Chloride	16.326	91	61799m	2.072	ppbv	
67) sec-Butylbenzene	16.632	105	1349679	2.312	ppbv	99
69) p-Isopropyltoluene	16.992	119	1097205	2.324	ppbv	99
70) n-Butylbenzene	17.886	91	1109618	2.293	ppbv	99
71) 2-Chlorotoluene	14.796	91	745884	2.238	ppbv	100
72) 4-Ethyltoluene	15.188	105	777952	2.244	ppbv	100
73) 1,3,5-Trimethylbenzene	15.346	105	691387	2.274	ppbv	93
74) 1,2,4-Trimethylbenzene	16.101	105	796450	2.252	ppbv	96
75) 1,3-Dichlorobenzene	16.329	146	473241	2.167	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	448788	2.091	ppbv	97
77) 1,2-Dichlorobenzene	17.140	146	466190	2.149	ppbv	98
78) Hexachloro-1,3-Butadiene	22.628	225	367865	2.144	ppbv	99
79) Naphthalene	21.387	128	538842	2.478	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	101409	2.513	ppbv	96
81) 1,2,4-Trichlorobenzene	21.143	180	287687	2.127	ppbv	99

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

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