

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041720.D
 Acq On : 11 Dec 2024 14:43
 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 :Mahesh
 Dadoda

Quant Time: Dec 12 13:15:20 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M

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

QLast Update : Thu Dec 12 13:14:06 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	277626	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	1385343	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	1295180	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	856439	10.059	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.499	85	97905	2.009	ppbv	99
3) Chlorodifluoromethane	1.476	51	79172	2.095	ppbv	99
4) Chloromethane	1.534	50	24588	1.901	ppbv	97
5) Vinyl Chloride	1.580	62	29104	1.838	ppbv	96
6) Bromomethane	1.670	94	19786	1.905	ppbv	96
7) Chloroethane	1.706	64	13082	1.899	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	79386	1.998	ppbv	99
9) Propene	1.482	41	32779	2.034	ppbv	100
10) Heptane	4.991	43	91961	2.064	ppbv	97
11) Trichlorofluoromethane	1.881	101	111944	1.995	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	100651	1.992	ppbv	99
13) Ethanol	1.722	45	2350	1.763	ppbv	76
14) Bromoethene	1.783	108	36656	1.980	ppbv	98
15) Acetone	1.838	43	66064	2.061	ppbv	98
16) 1,3-Butadiene	1.609	39	20438	1.901	ppbv	96
17) tert-Butyl alcohol	2.042	59	91232	1.963	ppbv	100
18) 1,1-Dichloroethene	2.036	96	45267	1.938	ppbv	95
19) Isopropyl Alcohol	1.887	45	53907	1.770	ppbv	93
20) Methylene Chloride	2.065	84	36561	1.883	ppbv	96
21) Allyl Chloride	2.101	41	35226	1.952	ppbv	99
22) trans-1,2-Dichloroethene	2.343	96	51747	1.935	ppbv	98
23) Vinyl Acetate	2.466	43	43214m	2.226	ppbv	
24) 1,1-Dichloroethane	2.411	63	70151	1.943	ppbv	98
25) Ethyl Acetate	4.991	43	91961	2.064	ppbv #	97
26) Hexane	2.832	57	90974	2.106	ppbv	99
27) Carbon Disulfide	2.152	76	84774	1.906	ppbv #	87
28) Methyl tert-Butyl Ether	2.444	73	61139	1.885	ppbv	97
29) Chloroform	2.855	83	138157	2.089	ppbv	96
30) Cyclohexane	3.865	84	100415	2.068	ppbv	98
31) cis-1,2-Dichloroethene	2.725	61	83799	2.093	ppbv	99
32) 1,1,1-Trichloroethane	3.376	97	134846	2.073	ppbv	99
34) 2-Butanone	2.563	43	100854	2.079	ppbv	100
35) Carbon Tetrachloride	3.771	117	136519	2.116	ppbv	97
36) Benzene	3.664	78	224948	2.065	ppbv	98
37) 1,2-Dichloroethane	3.224	62	81628	2.075	ppbv	99
38) Trichloroethene	4.557	130	117701	2.084	ppbv	97
39) 1,2-Dichloropropane	4.324	63	72887	2.100	ppbv	99
40) 1,4-Dioxane	4.606	88	42986	2.053	ppbv #	59
41) Tetrahydrofuran	3.065	42	60168	2.058	ppbv	99
42) Bromodichloromethane	4.499	83	131836	2.075	ppbv	99
43) Methyl Methacrylate	4.894	69	82875	2.112	ppbv	100
44) 2,2,4-Trimethylpentane	4.651	57	316508	2.088	ppbv	99
45) t-1,3-Dichloropropene	6.428	75	90924	2.367	ppbv	97

12/13/2024
 Supervised By :Semsettin
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12/13/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.616	75	109667	2.157	ppbv	96	12/13/2024
47) 1,1,2-Trichloroethane	6.596	97	101637	2.199	ppbv	98	Supervised By :Semsettin
48) Dibromochloromethane	7.402	129	155515	2.335	ppbv	100	Yesilyurt
49) Bromoform	9.496	173	145788	2.288	ppbv	98	
50) 4-Methyl-2-Pentanone	5.774	43	153134	2.201	ppbv	99	
51) 2-Hexanone	7.454	43	131059	2.290	ppbv #	100	
52) Tetrachloroethene	8.237	164	120747	2.092	ppbv	96	12/13/2024
53) Toluene	6.949	91	292341	2.184	ppbv	100	
54) 1,2-Dibromoethane	7.668	107	140215	2.219	ppbv	100	
56) 1,1,1,2-Tetrachloroethane	8.940	131	128450	2.133	ppbv	95	
57) Chlorobenzene	8.936	112	247207	2.098	ppbv	98	
58) Ethyl Benzene	9.367	91	373274	2.154	ppbv	99	
59) m/p-Xylene	9.564	91	567807m	4.276	ppbv		
60) o-Xylene	9.975	91	278836	2.117	ppbv	99	
61) Styrene	9.885	104	156919	2.159	ppbv	100	
62) Isopropylbenzene	10.552	105	468688	2.157	ppbv	97	
63) 1,1,2,2-Tetrachloroethane	9.975	83	180232	2.115	ppbv	100	
64) n-propylbenzene	11.001	120	136665	2.137	ppbv	93	
65) tert-Butylbenzene	11.542	119	443437	2.153	ppbv	99	
66) Benzyl Chloride	10.914	91	314226	2.128	ppbv	99	
67) sec-Butylbenzene	11.778	105	584643	2.193	ppbv	99	
69) p-Isopropyltoluene	11.937	119	503847	2.191	ppbv	97	
70) n-Butylbenzene	12.293	91	413520	2.167	ppbv	98	
71) 2-Chlorotoluene	10.914	91	314226	2.128	ppbv	98	
72) 4-Ethyltoluene	11.137	105	363629	2.138	ppbv	99	
73) 1,3,5-Trimethylbenzene	11.215	105	289211	2.102	ppbv	100	
74) 1,2,4-Trimethylbenzene	11.548	105	317920	2.126	ppbv	94	
75) 1,3-Dichlorobenzene	11.620	146	252474	2.113	ppbv	99	
76) 1,4-Dichlorobenzene	11.684	146	248692	2.107	ppbv	100	
77) 1,2-Dichlorobenzene	11.959	146	238217	2.105	ppbv	100	
78) Hexachloro-1,3-Butadiene	13.895	225	211434	2.273	ppbv	99	
79) Naphthalene	13.526	128	292520	2.285	ppbv	98	
80) Naphthalene,2-methyl-	14.471	142	71957	1.554	ppbv	99	
81) 1,2,4-Trichlorobenzene	13.452	180	168514	2.091	ppbv	99	

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

