

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011425\
 Data File : VL041890.D
 Acq On : 14 Jan 2025 13:28
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Jan 14 21:20:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 16:31:18 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/15/2025
 Supervised By : Mahesh Dadoda 01/15/2025

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

Internal Standards						
1) Bromochloromethane	2.797	49	150761	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.971	114	452131	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	394865	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	313784	10.089	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.900%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	40991	1.996	ppbv	98
3) Chlorodifluoromethane	1.479	51	44207	2.055	ppbv	99
4) Chloromethane	1.538	50	15833	2.050	ppbv	93
5) Vinyl Chloride	1.583	62	15137	1.935	ppbv	99
6) Bromomethane	1.673	94	7486	2.008	ppbv	91
7) Chloroethane	1.709	64	6303	2.071	ppbv #	84
8) Dichlorotetrafluoroethane	1.557	85	36941	2.058	ppbv	99
9) Propene	1.486	41	18248	2.059	ppbv	95
10) Heptane	5.001	43	49302	2.081	ppbv	97
11) Trichlorofluoromethane	1.884	101	43266	2.025	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.146	101	35162	2.100	ppbv	97
13) Ethanol	1.725	45	1534	2.363	ppbv	84
14) Bromoethene	1.787	108	12163	1.984	ppbv #	95
15) Acetone	1.842	43	37867	2.091	ppbv	99
16) 1,3-Butadiene	1.612	39	16446	2.024	ppbv	100
17) tert-Butyl alcohol	2.049	59	45305	2.033	ppbv	99
18) 1,1-Dichloroethene	2.039	96	15508	2.055	ppbv	97
19) Isopropyl Alcohol	1.894	45	21530	2.005	ppbv	94
20) Methylene Chloride	2.068	84	14399	2.012	ppbv	95
21) Allyl Chloride	2.104	41	25533	2.036	ppbv	97
22) trans-1,2-Dichloroethene	2.350	96	17951	2.108	ppbv	83
23) Vinyl Acetate	2.470	43	16358	2.075	ppbv	99
24) 1,1-Dichloroethane	2.418	63	33175	2.014	ppbv	99
25) Ethyl Acetate	2.848	43	102475	2.099	ppbv	99
26) Hexane	2.835	57	41844	2.167	ppbv	99
27) Carbon Disulfide	2.156	76	39306	2.057	ppbv #	70
28) Methyl tert-Butyl Ether	2.454	73	30355	2.056	ppbv	96
29) Chloroform	2.858	83	63457	2.079	ppbv	94
30) Cyclohexane	3.874	84	34518	2.061	ppbv	97
31) cis-1,2-Dichloroethene	2.729	61	41921	2.062	ppbv	89
32) 1,1,1-Trichloroethane	3.382	97	58965	2.019	ppbv	98
34) 2-Butanone	2.570	43	61381	2.135	ppbv	99
35) Carbon Tetrachloride	3.777	117	59430	2.089	ppbv	95
36) Benzene	3.670	78	85859	2.070	ppbv	96
37) 1,2-Dichloroethane	3.230	62	46786	2.009	ppbv	100
38) Trichloroethene	4.564	130	33773	2.052	ppbv	98
39) 1,2-Dichloropropane	4.334	63	29723	2.043	ppbv	96
40) 1,4-Dioxane	4.619	88	14566m	1.984	ppbv	
41) Tetrahydrofuran	3.072	42	32358	2.064	ppbv	96
42) Bromodichloromethane	4.509	83	63611	2.037	ppbv	99
43) Methyl Methacrylate	4.900	69	31519	2.046	ppbv	99
44) 2,2,4-Trimethylpentane	4.658	57	141602	2.111	ppbv	100
45) t-1,3-Dichloropropene	6.435	75	28818	1.999	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.625	75	39668	2.095	ppbv	94
47) 1,1,2-Trichloroethane	6.600	97	31694m	2.055	ppbv	
48) Dibromochloromethane	7.406	129	48894	2.055	ppbv	99
49) Bromoform	9.496	173	39710	2.032	ppbv	99
50) 4-Methyl-2-Pentanone	5.784	43	81330	2.076	ppbv	98
51) 2-Hexanone	7.457	43	66831	2.216	ppbv #	98
52) Tetrachloroethene	8.241	164	29814	2.074	ppbv	94
53) Toluene	6.952	91	94741	2.097	ppbv	98
54) 1,2-Dibromoethane	7.671	107	44636	2.106	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.940	131	40249	2.043	ppbv	93
57) Chlorobenzene	8.933	112	77180	2.119	ppbv	94
58) Ethyl Benzene	9.367	91	130554	2.116	ppbv	98
59) m/p-Xylene	9.561	91	214076m	4.322	ppbv	
60) o-Xylene	9.975	91	106458	2.168	ppbv	99
61) Styrene	9.885	104	45490	2.065	ppbv	99
62) Isopropylbenzene	10.552	105	163135	2.147	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.975	83	67775	2.193	ppbv	99
64) n-propylbenzene	11.001	120	41184	2.145	ppbv	99
65) tert-Butylbenzene	11.542	119	151534	2.189	ppbv	97
66) Benzyl Chloride	11.626	91	8925	2.083	ppbv	97
67) sec-Butylbenzene	11.778	105	211759	2.221	ppbv	99
69) p-Isopropyltoluene	11.937	119	178172	2.270	ppbv	100
70) n-Butylbenzene	12.293	91	174217	2.238	ppbv	99
71) 2-Chlorotoluene	10.914	91	121418	2.161	ppbv	100
72) 4-Ethyltoluene	11.137	105	127115	2.164	ppbv	100
73) 1,3,5-Trimethylbenzene	11.215	105	114342	2.205	ppbv	99
74) 1,2,4-Trimethylbenzene	11.548	105	126939	2.260	ppbv #	89
75) 1,3-Dichlorobenzene	11.616	146	71332	2.143	ppbv	98
76) 1,4-Dichlorobenzene	11.684	146	70219	2.156	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	71818	2.177	ppbv	100
78) Hexachloro-1,3-Butadiene	13.892	225	60984	2.253	ppbv	99
79) Naphthalene	13.526	128	153268	2.710	ppbv	98
80) Naphthalene,2-methyl-	14.471	142	90910	3.391	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	64653	2.342	ppbv	98

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

