

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010725\
 Data File : VL041844.D
 Acq On : 07 Jan 2025 12:25
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Jan 08 01:23:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Jan 08 01:18:22 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/09/2025
 Supervised By : Mahesh Dadoda 01/09/2025

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

Internal Standards						
1) Bromochloromethane	2.803	49	93311	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.981	114	214048	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.904	117	188085	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.393	95	169446	10.519	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.200%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.505	85	217118	14.181	ppbv	97
3) Chlorodifluoromethane	1.483	51	204247	13.962	ppbv	100
4) Chloromethane	1.538	50	91107	14.470	ppbv	98
5) Vinyl Chloride	1.586	62	81611	12.852	ppbv	98
6) Bromomethane	1.674	94	37525	13.796	ppbv	94
7) Chloroethane	1.712	64	33831	13.840	ppbv	99
8) Dichlorotetrafluoroethane	1.560	85	191885	14.527	ppbv	99
9) Propene	1.489	41	76147	14.952	ppbv	100
10) Heptane	5.007	43	232968	18.518	ppbv	99
11) Trichlorofluoromethane	1.887	101	222468	14.290	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.149	101	165689	14.290	ppbv	100
13) Ethanol	1.729	45	4786	8.174	ppbv	95
14) Bromoethene	1.790	108	55728	14.681	ppbv	99
15) Acetone	1.842	43	203219	11.829	ppbv	97
16) 1,3-Butadiene	1.615	39	96407	14.311	ppbv	99
17) tert-Butyl alcohol	2.049	59	210612	14.149	ppbv	100
18) 1,1-Dichloroethene	2.046	96	68995	14.213	ppbv	95
19) Isopropyl Alcohol	1.894	45	100236	12.430	ppbv	100
20) Methylene Chloride	2.072	84	62016	12.627	ppbv	96
21) Allyl Chloride	2.107	41	135077	15.264	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	76536	14.107	ppbv	92
23) Vinyl Acetate	2.476	43	87069	15.804	ppbv	99
24) 1,1-Dichloroethane	2.421	63	172210	14.503	ppbv	100
25) Ethyl Acetate	2.848	43	459657	15.955	ppbv	99
26) Hexane	2.842	57	168383	16.841	ppbv	100
27) Carbon Disulfide	2.162	76	165817	17.474	ppbv	98
28) Methyl tert-Butyl Ether	2.454	73	105985	14.065	ppbv	99
29) Chloroform	2.865	83	262539	14.134	ppbv	98
30) Cyclohexane	3.881	84	135635	17.879	ppbv	99
31) cis-1,2-Dichloroethene	2.735	61	162395	15.779	ppbv	98
32) 1,1,1-Trichloroethane	3.386	97	249799	14.840	ppbv	100
34) 2-Butanone	2.570	43	261912	15.534	ppbv	98
35) Carbon Tetrachloride	3.784	117	261173	16.145	ppbv	97
36) Benzene	3.677	78	331869	16.230	ppbv	99
37) 1,2-Dichloroethane	3.237	62	207949	15.469	ppbv	100
38) Trichloroethene	4.577	130	125492	15.656	ppbv	96
39) 1,2-Dichloropropane	4.337	63	122940	15.543	ppbv	98
40) 1,4-Dioxane	4.609	88	55317	18.048	ppbv #	95
41) Tetrahydrofuran	3.068	42	145035	18.249	ppbv	100
42) Bromodichloromethane	4.519	83	265034	16.811	ppbv	98
43) Methyl Methacrylate	4.913	69	127306	19.826	ppbv	98
44) 2,2,4-Trimethylpentane	4.667	57	589679	17.503	ppbv	99
45) t-1,3-Dichloropropene	6.451	75	120537	19.228	ppbv	96

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QLast Update : Wed Jan 08 01:18:22 2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	156300	18.952	ppbv	98
47) 1,1,2-Trichloroethane	6.613	97	129484	15.477	ppbv	97
48) Dibromochloromethane	7.415	129	194367	18.252	ppbv	100
49) Bromoform	9.503	173	165226	19.360	ppbv	99
50) 4-Methyl-2-Pentanone	5.790	43	373823	19.190	ppbv	100
51) 2-Hexanone	7.464	43	306279	20.756	ppbv	98
52) Tetrachloroethene	8.250	164	105951	17.472	ppbv	97
53) Toluene	6.962	91	360317	19.776	ppbv	99
54) 1,2-Dibromoethane	7.677	107	172958	16.883	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.946	131	164661	15.360	ppbv	99
57) Chlorobenzene	8.943	112	293187	14.921	ppbv	95
58) Ethyl Benzene	9.377	91	515403	20.106	ppbv	99
59) m/p-Xylene	9.571	91	880667m	38.901	ppbv	
60) o-Xylene	9.985	91	434378	19.735	ppbv	100
61) Styrene	9.891	104	191091	22.378	ppbv	100
62) Isopropylbenzene	10.558	105	648118	18.743	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.982	83	279419	14.477	ppbv	99
64) n-propylbenzene	11.005	120	167958	18.932	ppbv	100
65) tert-Butylbenzene	11.548	119	576406	18.498	ppbv	100
66) Benzyl Chloride	11.633	91	46260	17.763	ppbv	99
67) sec-Butylbenzene	11.785	105	829725	18.248	ppbv	100
69) p-Isopropyltoluene	11.943	119	691614	19.375	ppbv	99
70) n-Butylbenzene	12.296	91	698101	19.466	ppbv	99
71) 2-Chlorotoluene	10.917	91	486908	19.398	ppbv	99
72) 4-Ethyltoluene	11.141	105	534215	20.070	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	457438	19.622	ppbv	98
74) 1,2,4-Trimethylbenzene	11.555	105	496746	18.396	ppbv	95
75) 1,3-Dichlorobenzene	11.626	146	286905	15.874	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	289777	16.662	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	280054	14.870	ppbv	100
78) Hexachloro-1,3-Butadiene	13.898	225	191358	14.312	ppbv	99
79) Naphthalene	13.529	128	431155	21.675	ppbv	99
80) Naphthalene,2-methyl-	14.474	142	168205	22.846	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	191178	17.340	ppbv	100

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

