

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012325\
 Data File : VX044701.D
 Acq On : 23 Jan 2025 09:56
 Operator : JC/MD
 Sample : VX0123WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0123WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/24/2025
 Supervised By :Semsettin Yesilyurt 01/24/2025

Quant Time: Jan 24 03:14:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.885	128	30388	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	171874	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	151608	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	81600	27.815	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	92.733%	
60) 4-Bromofluorobenzene	11.079	95	87212	29.616	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.733%	
63) Toluene-d8	8.641	98	250597	30.390	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	101.300%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	46829	17.332	ug/l	99
3) Chloromethane	1.294	50	51953	18.280	ug/l	98
4) Vinyl Chloride	1.374	62	53079	19.088	ug/l	100
5) Bromomethane	1.611	94	15641	23.273	ug/l	98
6) Chloroethane	1.679	64	12396	28.114	ug/l	94
7) Trichlorofluoromethane	1.880	101	54935	18.039	ug/l	99
8) Diethyl Ether	2.130	74	18745	15.956	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	44846	20.555	ug/l	97
10) 1,1-Dichloroethene	2.313	96	42893	19.110	ug/l	91
11) Methyl Iodide	2.447	142	57552	18.503	ug/l	99
12) Methyl Acetate	2.697	43	55710	17.001	ug/l	99
13) Acrolein	2.233	56	42449	117.137	ug/l	99
14) Acrylonitrile	3.056	53	104156	87.227	ug/l	98
15) Acetone	2.380	58	26783	83.590	ug/l	100
16) Carbon Disulfide	2.502	76	123299	19.766	ug/l	100
17) Allyl chloride	2.654	41	77621	19.176	ug/l	96
18) Methylene Chloride	2.782	84	47892	19.066	ug/l	98
19) trans-1,2-Dichloroethene	3.087	96	43409	19.449	ug/l	97
20) Diisopropyl ether	3.751	45	147188	20.034	ug/l	99
21) 1,1-Dichloroethane	3.599	63	84468	19.381	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	54083	19.578	ug/l	99
23) tert-Butyl Alcohol	2.977	59	25970	44.967	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	138752	17.841	ug/l	97
25) Chloroform	5.080	83	81932	18.919	ug/l	100
26) Cyclohexane	5.458	56	77840	21.250	ug/l #	96
29) 1,1-Dichloropropene	5.684	75	57214	19.138	ug/l	99
30) 2-Butanone	4.550	43	131906	80.322	ug/l	99
31) 2,2-Dichloropropane	4.465	77	72984	17.642	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	70074	17.687	ug/l	98
33) Carbon Tetrachloride	5.666	117	60444	18.086	ug/l	99
34) Benzene	6.025	78	184218	19.314	ug/l	99
35) Methacrylonitrile	4.910	41	30485	16.609	ug/l	98
36) 1,2-Dichloroethane	6.074	62	58620	17.190	ug/l	98
37) Trichloroethene	7.117	130	42878	18.620	ug/l	98
38) Methylcyclohexane	7.373	83	80756	19.882	ug/l	100
39) 1,2-Dichloropropane	7.421	63	45980	19.332	ug/l	98
40) Dibromomethane	7.574	93	31037	17.553	ug/l	99
41) Bromodichloromethane	7.812	83	64015	17.533	ug/l	96
42) Vinyl Acetate	3.709	43	596134	91.406	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	52284	16.230	ug/l	# 96
44) Isopropyl Acetate	6.330	43	97488	16.845	ug/l	99
45) 1,4-Dioxane	7.702	88	18796	341.073	ug/l	97
46) Methyl methacrylate	7.690	41	45716	16.138	ug/l	97
47) n-amyl Acetate	10.842	43	81339	16.747	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	66913	17.363	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	75011	18.152	ug/l	95
50) 1,1,2-Trichloroethane	9.147	97	42904	18.840	ug/l	95
51) Ethyl methacrylate	9.110	69	68250	17.252	ug/l	98
52) 1,3-Dichloropropane	9.305	76	73627	18.693	ug/l	100
53) Dibromochloromethane	9.519	129	47845	17.582	ug/l	99
54) 1,2-Dibromoethane	9.604	107	42218	17.537	ug/l	100
55) 2-Chloroethyl vinyl ether	8.232	63	170151	88.642	ug/l	98
56) Bromoform	10.799	173	29781	16.504	ug/l	98
58) 4-Methyl-2-Pentanone	8.568	43	273414	85.557	ug/l	99
59) 2-Hexanone	9.427	43	194421	83.101	ug/l	99
61) Tetrachloroethene	9.269	164	35071	19.285	ug/l	95
62) Toluene	8.714	91	192451	19.278	ug/l	98
64) Chlorobenzene	10.073	112	117154	18.896	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	40000	17.961	ug/l	99
66) Ethyl Benzene	10.189	91	208310	19.121	ug/l	96
67) m/p-Xylenes	10.299	106	155606	38.857	ug/l	98
68) o-Xylene	10.640	106	77523	19.288	ug/l	99
69) Styrene	10.653	104	126370	19.150	ug/l	99
70) Isopropylbenzene	10.957	105	194932	19.292	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	59892	17.632	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	50336m	17.614	ug/l	
73) Bromobenzene	11.195	156	43977	18.683	ug/l	99
74) n-propylbenzene	11.299	91	227898	19.858	ug/l	100
75) 2-Chlorotoluene	11.360	91	141239	19.575	ug/l	100
76) 1,3,5-Trimethylbenzene	11.445	105	163884	19.972	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	21618	15.990	ug/l	98
78) 4-Chlorotoluene	11.451	91	155256	19.528	ug/l	100
79) tert-butylbenzene	11.713	119	166058	19.699	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	158645	19.163	ug/l	99
81) sec-Butylbenzene	11.890	105	200227	19.892	ug/l	100
82) p-Isopropyltoluene	12.006	119	164522	19.859	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	79388	18.988	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	79396	19.371	ug/l	98
85) n-Butylbenzene	12.329	91	144210	20.081	ug/l	99
86) Hexachloroethane	12.536	117	34107	18.715	ug/l	99
87) 1,2-Dichlorobenzene	12.329	146	78557	18.816	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	11376	13.905	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	47392	18.266	ug/l	99
90) Hexachlorobutadiene	13.719	225	19452	19.383	ug/l	99
91) Naphthalene	13.774	128	166099	17.112	ug/l	98
92) 1,2,3-Trichlorobenzene	13.957	180	48170	18.254	ug/l	99

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

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