

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044667.D
 Acq On : 16 Jan 2025 12:42
 Operator :
 Sample : VX0116WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:29:55 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	29143	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	154664	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	141140	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	81817	29.081	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.933%		
60) 4-Bromofluorobenzene	11.079	95	84152	30.697	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.333%		
63) Toluene-d8	8.641	98	230128	29.978	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.933%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	50299	19.412	ug/l	94
3) Chloromethane	1.294	50	53276	19.546	ug/l	98
4) Vinyl Chloride	1.374	62	49013	18.379	ug/l	98
5) Bromomethane	1.593	94	12364	19.183	ug/l	99
6) Chloroethane	1.660	64	8486	20.068	ug/l	94
7) Trichlorofluoromethane	1.867	101	56431	19.322	ug/l	98
8) Diethyl Ether	2.130	74	21881	19.421	ug/l	97
9) 1,1,2-Trichlorotrifluoro...	2.319	101	41466	19.818	ug/l	98
10) 1,1-Dichloroethene	2.306	96	40895	18.998	ug/l	94
11) Methyl Iodide	2.441	142	59694	20.011	ug/l	100
12) Methyl Acetate	2.697	43	64826	20.628	ug/l	99
13) Acrolein	2.233	56	28835	82.969	ug/l	99
14) Acrylonitrile	3.062	53	122799	107.234	ug/l	99
15) Acetone	2.380	58	32401	105.444	ug/l	96
16) Carbon Disulfide	2.501	76	115603	19.324	ug/l	99
17) Allyl chloride	2.654	41	77211	19.889	ug/l	98
18) Methylene Chloride	2.782	84	47436	19.691	ug/l	98
19) trans-1,2-Dichloroethene	3.081	96	41639	19.453	ug/l	99
20) Diisopropyl ether	3.757	45	144618	20.525	ug/l	98
21) 1,1-Dichloroethane	3.599	63	82410	19.716	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	52477	19.808	ug/l	100
23) tert-Butyl Alcohol	2.971	59	60519m	109.264	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	151415	20.301	ug/l	100
25) Chloroform	5.086	83	81568	19.640	ug/l	95
26) Cyclohexane	5.452	56	71351	20.311	ug/l #	100
29) 1,1-Dichloropropene	5.684	75	54850	20.389	ug/l	99
30) 2-Butanone	4.550	43	165507	111.997	ug/l	99
31) 2,2-Dichloropropane	4.465	77	74335	19.968	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	71131	19.952	ug/l	98
33) Carbon Tetrachloride	5.666	117	60964	20.271	ug/l	99
34) Benzene	6.025	78	179036	20.860	ug/l	98
35) Methacrylonitrile	4.922	41	36212	21.925	ug/l	98
36) 1,2-Dichloroethane	6.080	62	63614	20.730	ug/l	99
37) Trichloroethene	7.117	130	40784	19.681	ug/l	96
38) Methylcyclohexane	7.373	83	75031	20.528	ug/l	100
39) 1,2-Dichloropropane	7.421	63	45140	21.091	ug/l	99
40) Dibromomethane	7.580	93	32524	20.440	ug/l	98
41) Bromodichloromethane	7.818	83	67065	20.412	ug/l	98
42) Vinyl Acetate	3.715	43	640784	109.185	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	65139	22.471	ug/l	# 94
44) Isopropyl Acetate	6.336	43	114704	22.025	ug/l	100
45) 1,4-Dioxane	7.665	88	23338	470.615	ug/l	97
46) Methyl methacrylate	7.690	41	56196	22.045	ug/l	96
47) n-amyl Acetate	10.841	43	100947	23.097	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	72372	20.869	ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	77206	20.762	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	45741	22.320	ug/l	98
51) Ethyl methacrylate	9.116	69	77938	21.893	ug/l	98
52) 1,3-Dichloropropane	9.305	76	76648	21.626	ug/l	99
53) Dibromochloromethane	9.518	129	51589	21.067	ug/l	98
54) 1,2-Dibromoethane	9.604	107	46846	21.625	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	182886	105.878	ug/l	99
56) Bromoform	10.799	173	34859	21.468	ug/l	100
58) 4-Methyl-2-Pentanone	8.567	43	335782	112.867	ug/l	100
59) 2-Hexanone	9.427	43	246848	113.336	ug/l	99
61) Tetrachloroethene	9.269	164	34028	20.099	ug/l	98
62) Toluene	8.714	91	188382	20.270	ug/l	97
64) Chlorobenzene	10.073	112	117343	20.330	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	42389	20.445	ug/l	98
66) Ethyl Benzene	10.189	91	204802	20.193	ug/l	97
67) m/p-Xylenes	10.299	106	155513	41.713	ug/l	100
68) o-Xylene	10.640	106	78193	20.897	ug/l	100
69) Styrene	10.652	104	129327	21.051	ug/l	99
70) Isopropylbenzene	10.957	105	194064	20.631	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	71004	22.454	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	59524m	22.375	ug/l	
73) Bromobenzene	11.195	156	45269	20.658	ug/l	99
74) n-propylbenzene	11.299	91	220790	20.665	ug/l	100
75) 2-Chlorotoluene	11.360	91	141132	21.011	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	162403	21.260	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	26030	20.682	ug/l	98
78) 4-Chlorotoluene	11.451	91	154949	20.935	ug/l	100
79) tert-butylbenzene	11.713	119	168407	21.459	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	163274	21.184	ug/l	100
81) sec-Butylbenzene	11.890	105	195627	20.876	ug/l	99
82) p-Isopropyltoluene	12.006	119	160023	20.749	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	80445	20.668	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	79657	20.876	ug/l	99
85) n-Butylbenzene	12.329	91	138064	20.652	ug/l	100
86) Hexachloroethane	12.536	117	34851	20.542	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	83183	21.402	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	16131	21.179	ug/l	98
89) 1,2,4-Trichlorobenzene	13.585	180	47913	19.836	ug/l	98
90) Hexachlorobutadiene	13.725	225	18666	19.979	ug/l	98
91) Naphthalene	13.774	128	191902	21.236	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	50326	20.485	ug/l	99

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

