

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012325\
 Data File : VX044700.D
 Acq On : 23 Jan 2025 09:28
 Operator : JC/MD
 Sample : VX0123WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0123WBS01

Manual Integrations
 APPROVED

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

Quant Time: Jan 24 03:11:56 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	31428	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	167207	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	150020	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	83694	27.585	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	91.967%		
60) 4-Bromofluorobenzene	11.079	95	84268	28.919	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.400%		
63) Toluene-d8	8.641	98	243545	29.848	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	46159	16.519	ug/l	97
3) Chloromethane	1.294	50	55229	18.789	ug/l	99
4) Vinyl Chloride	1.374	62	53110	18.467	ug/l	95
5) Bromomethane	1.611	94	16797	24.166	ug/l	98
6) Chloroethane	1.684	64	11761	25.791	ug/l	93
7) Trichlorofluoromethane	1.873	101	63068	20.024	ug/l	99
8) Diethyl Ether	2.130	74	26242	21.598	ug/l	96
9) 1,1,2-Trichlorotrifluoro...	2.325	101	42267	18.732	ug/l	98
10) 1,1-Dichloroethene	2.312	96	43052	18.546	ug/l	96
11) Methyl Iodide	2.447	142	62351	19.382	ug/l	100
12) Methyl Acetate	2.696	43	61679	18.200	ug/l	96
13) Acrolein	2.233	56	59075	157.622	ug/l	97
14) Acrylonitrile	3.062	53	116915	94.672	ug/l	98
15) Acetone	2.386	58	30504	92.053	ug/l	91
16) Carbon Disulfide	2.501	76	120239	18.638	ug/l	99
17) Allyl chloride	2.654	41	78075	18.650	ug/l	97
18) Methylene Chloride	2.782	84	49236	18.952	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	43855	18.999	ug/l	93
20) Diisopropyl ether	3.751	45	152628	20.087	ug/l	99
21) 1,1-Dichloroethane	3.599	63	84239	18.689	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	51676	18.088	ug/l	98
23) tert-Butyl Alcohol	2.983	59	33620m	56.286	ug/l	
24) Methyl tert-Butyl Ether	3.105	73	149842	18.629	ug/l	98
25) Chloroform	5.080	83	83656	18.678	ug/l	98
26) Cyclohexane	5.458	56	74825	19.751	ug/l #	96
29) 1,1-Dichloropropene	5.684	75	54702	18.809	ug/l	97
30) 2-Butanone	4.550	43	140626	88.022	ug/l	99
31) 2,2-Dichloropropane	4.458	77	67881	16.867	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	69793	18.108	ug/l	98
33) Carbon Tetrachloride	5.665	117	58267	17.921	ug/l	96
34) Benzene	6.025	78	184448	19.878	ug/l	98
35) Methacrylonitrile	4.903	41	33717	18.883	ug/l	95
36) 1,2-Dichloroethane	6.074	62	59889	18.052	ug/l	97
37) Trichloroethene	7.116	130	41667	18.599	ug/l	94
38) Methylcyclohexane	7.366	83	75479	19.101	ug/l	100
39) 1,2-Dichloropropane	7.421	63	47039	20.329	ug/l	96
40) Dibromomethane	7.574	93	32506	18.896	ug/l	98
41) Bromodichloromethane	7.811	83	66942	18.846	ug/l	99
42) Vinyl Acetate	3.709	43	642152	101.210	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.702	43	51297	16.368	ug/l #	93
44) Isopropyl Acetate	6.330	43	104232	18.513	ug/l	96
45) 1,4-Dioxane	7.702	88	19863	370.495	ug/l #	64
46) Methyl methacrylate	7.683	41	51178	18.570	ug/l	96
47) n-amyl Acetate	10.841	43	88069	18.639	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	68153	18.179	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	75271	18.724	ug/l	95
50) 1,1,2-Trichloroethane	9.147	97	44935	20.282	ug/l	98
51) Ethyl methacrylate	9.110	69	72950	18.954	ug/l	94
52) 1,3-Dichloropropane	9.305	76	75679	19.750	ug/l	100
53) Dibromochloromethane	9.512	129	50440	19.053	ug/l	98
54) 1,2-Dibromoethane	9.604	107	43934	18.759	ug/l	100
55) 2-Chloroethyl vinyl ether	8.232	63	172165	92.194	ug/l	99
56) Bromoform	10.799	173	31230	17.790	ug/l	100
58) 4-Methyl-2-Pentanone	8.567	43	301082	95.213	ug/l	99
59) 2-Hexanone	9.427	43	210365	90.868	ug/l	99
61) Tetrachloroethene	9.268	164	32447	18.031	ug/l	98
62) Toluene	8.714	91	189524	19.186	ug/l	99
64) Chlorobenzene	10.073	112	118648	19.340	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	41071	18.637	ug/l	97
66) Ethyl Benzene	10.189	91	206506	19.156	ug/l	100
67) m/p-Xylenes	10.299	106	154794	39.063	ug/l	96
68) o-Xylene	10.634	106	77692	19.534	ug/l	98
69) Styrene	10.652	104	125401	19.204	ug/l	98
70) Isopropylbenzene	10.957	105	192552	19.258	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	55246	16.437	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	47626m	16.843	ug/l	
73) Bromobenzene	11.195	156	41257	17.713	ug/l	97
74) n-propylbenzene	11.299	91	196409	17.295	ug/l	99
75) 2-Chlorotoluene	11.360	91	129839	18.185	ug/l	100
76) 1,3,5-Trimethylbenzene	11.445	105	157349	19.379	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	21779	16.280	ug/l	98
78) 4-Chlorotoluene	11.451	91	147496	18.748	ug/l	99
79) tert-butylbenzene	11.713	119	164644	19.738	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	157174	19.186	ug/l	98
81) sec-Butylbenzene	11.884	105	196919	19.770	ug/l	99
82) p-Isopropyltoluene	12.006	119	157153	19.171	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	77184	18.657	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	78278	19.301	ug/l	97
85) n-Butylbenzene	12.329	91	134979	18.995	ug/l	100
86) Hexachloroethane	12.536	117	33845	18.768	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	77112	18.666	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	12007	14.832	ug/l	94
89) 1,2,4-Trichlorobenzene	13.585	180	45606	17.764	ug/l	98
90) Hexachlorobutadiene	13.719	225	17672	17.795	ug/l	96
91) Naphthalene	13.774	128	168147	17.506	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	45654	17.483	ug/l	97

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

