

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044666.D
 Acq On : 16 Jan 2025 12:15
 Operator :
 Sample : VX0116WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0116WBS01

Quant Time: Jan 17 01:29:07 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	4.885	128	28646	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	161068	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	140626	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	82676	29.896	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.667%		
60) 4-Bromofluorobenzene	11.079	95	82354	30.151	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.500%		
63) Toluene-d8	8.641	98	234772	30.695	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	53644m	21.062	ug/l	
3) Chloromethane	1.301	50	55468	20.703	ug/l	99
4) Vinyl Chloride	1.374	62	54617	20.835	ug/l	98
5) Bromomethane	1.593	94	12579	19.855	ug/l	97
6) Chloroethane	1.660	64	8157	19.625	ug/l	99
7) Trichlorofluoromethane	1.868	101	59616	20.766	ug/l	100
8) Diethyl Ether	2.130	74	22534	20.347	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	44215	21.498	ug/l	99
10) 1,1-Dichloroethene	2.307	96	42986	20.316	ug/l	95
11) Methyl Iodide	2.441	142	59633	20.338	ug/l	99
12) Methyl Acetate	2.703	43	67172	21.745	ug/l	97
13) Acrolein	2.233	56	31492	92.186	ug/l	98
14) Acrylonitrile	3.062	53	125390	111.396	ug/l	100
15) Acetone	2.386	58	35094	116.189	ug/l	99
16) Carbon Disulfide	2.502	76	121993	20.746	ug/l	99
17) Allyl chloride	2.654	41	80203	21.019	ug/l	95
18) Methylene Chloride	2.782	84	47967	20.257	ug/l	99
19) trans-1,2-Dichloroethene	3.081	96	43887	20.859	ug/l	99
20) Diisopropyl ether	3.757	45	147353	21.276	ug/l	98
21) 1,1-Dichloroethane	3.599	63	86072	20.950	ug/l	96
22) cis-1,2-Dichloroethene	4.477	96	54221	20.822	ug/l	98
23) tert-Butyl Alcohol	2.977	59	60925m	111.906	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	153650	20.958	ug/l	98
25) Chloroform	5.080	83	86031	21.074	ug/l	97
26) Cyclohexane	5.458	56	75656	21.910	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	59004	21.061	ug/l	99
30) 2-Butanone	4.556	43	170160	110.567	ug/l	99
31) 2,2-Dichloropropane	4.465	77	78718	20.305	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	75532	20.344	ug/l	98
33) Carbon Tetrachloride	5.666	117	63350	20.227	ug/l	99
34) Benzene	6.025	78	185201	20.720	ug/l	99
35) Methacrylonitrile	4.916	41	35847	20.841	ug/l	98
36) 1,2-Dichloroethane	6.080	62	66201	20.715	ug/l	100
37) Trichloroethene	7.117	130	43327	20.077	ug/l	93
38) Methylcyclohexane	7.373	83	82233	21.603	ug/l	100
39) 1,2-Dichloropropane	7.421	63	44731	20.069	ug/l	99
40) Dibromomethane	7.574	93	33904	20.460	ug/l	98
41) Bromodichloromethane	7.818	83	69875	20.422	ug/l	99
42) Vinyl Acetate	3.715	43	651542	106.604	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	66567	22.050	ug/l	# 97
44) Isopropyl Acetate	6.336	43	115313	21.262	ug/l	99
45) 1,4-Dioxane	7.671	88	22029	426.557	ug/l	99
46) Methyl methacrylate	7.690	41	55535	20.919	ug/l	98
47) n-amyl Acetate	10.842	43	97092	21.332	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	74132	20.527	ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	80553	20.801	ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	45067	21.117	ug/l	98
51) Ethyl methacrylate	9.116	69	78385	21.143	ug/l	98
52) 1,3-Dichloropropane	9.305	76	78159	21.175	ug/l	99
53) Dibromochloromethane	9.519	129	52705	20.667	ug/l	98
54) 1,2-Dibromoethane	9.604	107	46527	20.623	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	213218	118.530	ug/l	99
56) Bromoform	10.799	173	34344	20.310	ug/l	98
58) 4-Methyl-2-Pentanone	8.568	43	327477	110.478	ug/l	100
59) 2-Hexanone	9.433	43	242671	111.825	ug/l	100
61) Tetrachloroethene	9.269	164	35664	21.142	ug/l	99
62) Toluene	8.714	91	197514	21.330	ug/l	98
64) Chlorobenzene	10.073	112	122046	21.222	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	42978	20.805	ug/l	99
66) Ethyl Benzene	10.189	91	214000	21.177	ug/l	98
67) m/p-Xylenes	10.299	106	161293	43.422	ug/l	100
68) o-Xylene	10.640	106	81063	21.744	ug/l	99
69) Styrene	10.653	104	131432	21.472	ug/l	99
70) Isopropylbenzene	10.957	105	201025	21.449	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	69701	22.122	ug/l	95
72) 1,2,3-Trichloropropane	11.238	75	58065m	21.906	ug/l	
73) Bromobenzene	11.195	156	45546	20.861	ug/l	99
74) n-propylbenzene	11.299	91	229406	21.550	ug/l	99
75) 2-Chlorotoluene	11.360	91	145209	21.697	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	166549	21.882	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	25808	20.580	ug/l	98
78) 4-Chlorotoluene	11.451	91	157409	21.345	ug/l	99
79) tert-butylbenzene	11.713	119	169187	21.638	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	165173	21.509	ug/l	100
81) sec-Butylbenzene	11.890	105	204493	21.902	ug/l	99
82) p-Isopropyltoluene	12.006	119	164534	21.412	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	80958	20.876	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	80775	21.247	ug/l	99
85) n-Butylbenzene	12.329	91	139667	20.968	ug/l	99
86) Hexachloroethane	12.536	117	35119	20.775	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	81019	20.921	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	16207	21.357	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	48252	20.050	ug/l	99
90) Hexachlorobutadiene	13.719	225	19172	20.595	ug/l	98
91) Naphthalene	13.774	128	194561	21.609	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	50711	20.717	ug/l	100

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

