

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010825\
 Data File : VX044641.D
 Acq On : 09 Jan 2025 03:11
 Operator : JC/MD
 Sample : VX0108WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0108WBS02

Quant Time: Jan 09 03:51:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 09 02:10:37 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/09/2025
 Supervised By : Semsettin Yesilyurt 01/09/2025

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

Internal Standards						
1) Bromochloromethane	4.897	128	29854	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	182022	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	139644	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	99146	30.334	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 101.100%	
60) 4-Bromofluorobenzene	11.079	95	79432	30.468	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 101.567%	
63) Toluene-d8	8.647	98	240444	30.795	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.633%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	55153	20.458	ug/l	99
3) Chloromethane	1.294	50	53397	19.734	ug/l	93
4) Vinyl Chloride	1.374	62	50534	19.826	ug/l	95
5) Bromomethane	1.599	94	25586	19.916	ug/l	97
6) Chloroethane	1.666	64	32344	22.674	ug/l	99
7) Trichlorofluoromethane	1.874	101	76310	19.478	ug/l	95
8) Diethyl Ether	2.136	74	28780	19.114	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	41823	19.867	ug/l	98
10) 1,1-Dichloroethene	2.313	96	41475	20.036	ug/l	92
11) Methyl Iodide	2.447	142	56754	19.616	ug/l	99
12) Methyl Acetate	2.703	43	57302	19.612	ug/l	96
13) Acrolein	2.233	56	51826	96.653	ug/l	98
14) Acrylonitrile	3.062	53	106584	97.067	ug/l	98
15) Acetone	2.380	58	28614	102.541	ug/l	97
16) Carbon Disulfide	2.508	76	86547	19.071	ug/l	100
17) Allyl chloride	2.660	41	69792	19.555	ug/l	99
18) Methylene Chloride	2.788	84	46805	19.515	ug/l	98
19) trans-1,2-Dichloroethene	3.087	96	40145	18.945	ug/l	98
20) Diisopropyl ether	3.757	45	148822	19.848	ug/l #	96
21) 1,1-Dichloroethane	3.605	63	83768	19.820	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	52267	20.023	ug/l	99
23) tert-Butyl Alcohol	2.995	59	40649	97.828	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	147267	19.790	ug/l	99
25) Chloroform	5.093	83	91761	20.238	ug/l	100
26) Cyclohexane	5.471	56	66352	19.842	ug/l #	97
29) 1,1-Dichloropropene	5.684	75	58214	17.743	ug/l	98
30) 2-Butanone	4.562	43	150440	88.319	ug/l	99
31) 2,2-Dichloropropane	4.471	77	65745	17.128	ug/l #	76
32) 1,1,1-Trichloroethane	5.379	97	76928	16.991	ug/l	98
33) Carbon Tetrachloride	5.666	117	61634	16.716	ug/l	90
34) Benzene	6.031	78	183113	17.910	ug/l	98
35) Methacrylonitrile	4.922	41	36421	18.192	ug/l	98
36) 1,2-Dichloroethane	6.080	62	77080	18.040	ug/l	99
37) Trichloroethene	7.123	130	51161	20.017	ug/l	91
38) Methylcyclohexane	7.379	83	80809	19.763	ug/l	96
39) 1,2-Dichloropropane	7.427	63	49599	19.522	ug/l	90
40) Dibromomethane	7.574	93	38051	19.095	ug/l	96
41) Bromodichloromethane	7.818	83	67647	18.075	ug/l	99
42) Vinyl Acetate	3.715	43	612920	85.540	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	63512m	17.914	ug/l	
44) Isopropyl Acetate	6.336	43	105403	17.886	ug/l	95
45) 1,4-Dioxane	7.665	88	15649	378.985	ug/l #	90
46) Methyl methacrylate	7.690	41	52523	18.281	ug/l	93
47) n-amyl Acetate	10.841	43	79583	16.654	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	59174	16.336	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	70981	17.163	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	41935	16.601	ug/l	97
51) Ethyl methacrylate	9.116	69	64562	16.733	ug/l	99
52) 1,3-Dichloropropane	9.305	76	74337	17.172	ug/l	99
53) Dibromochloromethane	9.519	129	43551	16.574	ug/l	98
54) 1,2-Dibromoethane	9.604	107	44732	17.210	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	146935	77.287	ug/l	99
56) Bromoform	10.799	173	24633	15.201	ug/l #	96
58) 4-Methyl-2-Pentanone	8.574	43	315051	110.624	ug/l	99
59) 2-Hexanone	9.427	43	219306	111.495	ug/l	99
61) Tetrachloroethene	9.269	164	38685	21.564	ug/l	95
62) Toluene	8.714	91	193983	21.109	ug/l	100
64) Chlorobenzene	10.079	112	117917	20.671	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	39871	20.587	ug/l	99
66) Ethyl Benzene	10.189	91	207853	21.036	ug/l	97
67) m/p-Xylenes	10.299	106	151184	40.692	ug/l	99
68) o-Xylene	10.640	106	77273	21.309	ug/l	98
69) Styrene	10.652	104	123068	20.434	ug/l	99
70) Isopropylbenzene	10.957	105	193119	20.661	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	62158	21.363	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	52276m	20.598	ug/l	
73) Bromobenzene	11.195	156	46327	21.084	ug/l	98
74) n-propylbenzene	11.299	91	214235	20.221	ug/l	100
75) 2-Chlorotoluene	11.360	91	140222	21.058	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	162443	20.905	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	15367	19.053	ug/l	96
78) 4-Chlorotoluene	11.451	91	156157	21.116	ug/l	99
79) tert-butylbenzene	11.713	119	162017	21.232	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	161937	21.146	ug/l	99
81) sec-Butylbenzene	11.890	105	191852	20.780	ug/l	99
82) p-Isopropyltoluene	12.006	119	159544	20.784	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	81668	20.543	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	80995	20.370	ug/l	97
85) n-Butylbenzene	12.329	91	139011	21.275	ug/l	99
86) Hexachloroethane	12.536	117	24599	20.339	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	88965	21.941	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	12283	21.942	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	53498	22.988	ug/l	98
90) Hexachlorobutadiene	13.725	225	22078	23.421	ug/l	96
91) Naphthalene	13.774	128	191089	24.261	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	56252	23.526	ug/l	99

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

