

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010825\
 Data File : VX044642.D
 Acq On : 09 Jan 2025 03:34
 Operator : JC/MD
 Sample : VX0108WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0108WBSD02

Quant Time: Jan 09 04:29:59 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	29944	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	147708	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	133739	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	97759	29.820	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.400%		
60) 4-Bromofluorobenzene	11.079	95	89436	35.820	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	119.400%#		
63) Toluene-d8	8.641	98	225042	30.095	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	45454	16.809	ug/l	96
3) Chloromethane	1.294	50	49583	18.270	ug/l	93
4) Vinyl Chloride	1.374	62	47279	18.493	ug/l	100
5) Bromomethane	1.599	94	24860	19.293	ug/l	90
6) Chloroethane	1.666	64	28090	19.633	ug/l	93
7) Trichlorofluoromethane	1.874	101	65289	16.615	ug/l	95
8) Diethyl Ether	2.130	74	26847	17.777	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	38420	18.195	ug/l	96
10) 1,1-Dichloroethene	2.313	96	42534	20.486	ug/l	82
11) Methyl Iodide	2.447	142	58348	20.107	ug/l	97
12) Methyl Acetate	2.703	43	52913	18.055	ug/l	96
13) Acrolein	2.233	56	51065	94.948	ug/l	99
14) Acrylonitrile	3.062	53	101039	91.741	ug/l	99
15) Acetone	2.380	58	30113	107.589	ug/l	84
16) Carbon Disulfide	2.508	76	75354	16.555	ug/l	98
17) Allyl chloride	2.660	41	63057	17.615	ug/l	98
18) Methylene Chloride	2.782	84	44927	18.675	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	37937	17.849	ug/l	98
20) Diisopropyl ether	3.757	45	140330	18.659	ug/l	97
21) 1,1-Dichloroethane	3.605	63	77173	18.205	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	48341	18.464	ug/l	99
23) tert-Butyl Alcohol	3.001	59	39348m	94.412	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	140884	18.875	ug/l	99
25) Chloroform	5.086	83	82724	18.190	ug/l	97
26) Cyclohexane	5.458	56	52878	15.765	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	49527	18.602	ug/l	99
30) 2-Butanone	4.556	43	138583	100.258	ug/l #	98
31) 2,2-Dichloropropane	4.471	77	58609	18.816	ug/l #	74
32) 1,1,1-Trichloroethane	5.379	97	68881	18.748	ug/l	98
33) Carbon Tetrachloride	5.672	117	53402	17.847	ug/l	95
34) Benzene	6.031	78	161688	19.489	ug/l	98
35) Methacrylonitrile	4.922	41	33338	20.520	ug/l	95
36) 1,2-Dichloroethane	6.080	62	71079	20.500	ug/l #	86
37) Trichloroethene	7.123	130	37678	18.166	ug/l	98
38) Methylcyclohexane	7.373	83	54015	16.279	ug/l	99
39) 1,2-Dichloropropane	7.427	63	38657	18.750	ug/l	99
40) Dibromomethane	7.580	93	31444	19.445	ug/l	98
41) Bromodichloromethane	7.818	83	58017	19.103	ug/l	97
42) Vinyl Acetate	3.721	43	572905	98.529	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	53573	18.621	ug/l #	81
44) Isopropyl Acetate	6.336	43	95092	19.884	ug/l	100
45) 1,4-Dioxane	7.665	88	12501	373.078	ug/l	96
46) Methyl methacrylate	7.690	41	46395	19.900	ug/l	98
47) n-amyl Acetate	10.842	43	79977	20.625	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	57520	19.568	ug/l	95
49) cis-1,3-Dichloropropene	8.360	75	61253	18.252	ug/l	97
50) 1,1,2-Trichloroethane	9.147	97	39514	19.276	ug/l	98
51) Ethyl methacrylate	9.116	69	62606	19.995	ug/l	98
52) 1,3-Dichloropropane	9.305	76	71285	20.293	ug/l	99
53) Dibromochloromethane	9.519	129	40302	18.901	ug/l	99
54) 1,2-Dibromoethane	9.604	107	40448	19.177	ug/l	95
55) 2-Chloroethyl vinyl ether	8.238	63	152374	98.767	ug/l	99
56) Bromoform	10.799	173	26458	20.120	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	286579	105.070	ug/l	100
59) 2-Hexanone	9.433	43	203572	108.065	ug/l	99
61) Tetrachloroethene	9.269	164	32523	18.929	ug/l	96
62) Toluene	8.714	91	170055	19.323	ug/l	100
64) Chlorobenzene	10.079	112	104574	19.141	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	37623	20.284	ug/l	95
66) Ethyl Benzene	10.189	91	179659	18.985	ug/l	98
67) m/p-Xylenes	10.299	106	132025	37.104	ug/l	97
68) o-Xylene	10.640	106	75807	21.828	ug/l	100
69) Styrene	10.653	104	128738	22.319	ug/l	97
70) Isopropylbenzene	10.957	105	197140	22.022	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	68311	24.515	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	60387m	24.844	ug/l	
73) Bromobenzene	11.195	156	49918	23.722	ug/l	97
74) n-propylbenzene	11.299	91	211858	20.879	ug/l	100
75) 2-Chlorotoluene	11.360	91	140948	22.101	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	164532	22.109	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	16611	21.504	ug/l	95
78) 4-Chlorotoluene	11.451	91	158053	22.316	ug/l	98
79) tert-butylbenzene	11.713	119	162029	22.171	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	164154	22.382	ug/l	99
81) sec-Butylbenzene	11.890	105	187655	21.223	ug/l	100
82) p-Isopropyltoluene	12.006	119	159485	21.694	ug/l	96
83) 1,3-Dichlorobenzene	11.969	146	85886	22.558	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	85477	22.447	ug/l	96
85) n-Butylbenzene	12.329	91	126444	20.206	ug/l	99
86) Hexachloroethane	12.536	117	22974	19.835	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	89798	23.124	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	11602	21.641	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	46489	20.859	ug/l	98
90) Hexachlorobutadiene	13.725	225	18022	19.963	ug/l	96
91) Naphthalene	13.774	128	176135	23.350	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	49618	21.668	ug/l	99

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

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