

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010825\
 Data File : VX044640.D
 Acq On : 09 Jan 2025 02:26
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX010825

Quant Time: Jan 09 03:16:25 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	4.891	128	30944	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	167501	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	150454	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	101816	30.053	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.167%			
60) 4-Bromofluorobenzene	11.079	95	85265	30.355	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.200%			
63) Toluene-d8	8.647	98	270330	32.135	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 107.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	58188	20.823	ug/l	95
3) Chloromethane	1.294	50	58460	20.844	ug/l	100
4) Vinyl Chloride	1.374	62	53365	20.199	ug/l	100
5) Bromomethane	1.599	94	25590	19.218	ug/l	95
6) Chloroethane	1.672	64	31709	21.446	ug/l	99
7) Trichlorofluoromethane	1.880	101	78423	19.312	ug/l	98
8) Diethyl Ether	2.130	74	28221	18.083	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	43596	19.979	ug/l	98
10) 1,1-Dichloroethene	2.313	96	42712	19.907	ug/l	94
11) Methyl Iodide	2.447	142	56058	18.693	ug/l	92
12) Methyl Acetate	2.703	43	60617	20.016	ug/l	100
13) Acrolein	2.233	56	51302	92.306	ug/l	100
14) Acrylonitrile	3.062	53	113607	99.819	ug/l	99
15) Acetone	2.380	58	28982	100.201	ug/l	98
16) Carbon Disulfide	2.508	76	92681	19.703	ug/l	100
17) Allyl chloride	2.660	41	73077	19.754	ug/l	95
18) Methylene Chloride	2.788	84	49253	19.812	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	43011	19.582	ug/l	98
20) Diisopropyl ether	3.757	45	156619	20.152	ug/l	96
21) 1,1-Dichloroethane	3.605	63	88473	20.196	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	53102	19.627	ug/l	97
23) tert-Butyl Alcohol	2.983	59	44406m	103.105	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	154327	20.008	ug/l	100
25) Chloroform	5.086	83	94596	20.128	ug/l	99
26) Cyclohexane	5.458	56	69172	19.957	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	57775	19.136	ug/l	99
30) 2-Butanone	4.556	43	158345	101.018	ug/l	99
31) 2,2-Dichloropropane	4.465	77	68264	19.326	ug/l #	75
32) 1,1,1-Trichloroethane	5.373	97	81324	19.520	ug/l	97
33) Carbon Tetrachloride	5.672	117	64578	19.032	ug/l	87
34) Benzene	6.031	78	185247	19.690	ug/l	96
35) Methacrylonitrile	4.916	41	33338	18.095	ug/l	96
36) 1,2-Dichloroethane	6.080	62	77790	19.785	ug/l	98
37) Trichloroethene	7.123	130	45158	19.200	ug/l	99
38) Methylcyclohexane	7.373	83	73956	19.655	ug/l	98
39) 1,2-Dichloropropane	7.428	63	48499	20.744	ug/l	97
40) Dibromomethane	7.580	93	36134	19.705	ug/l	95
41) Bromodichloromethane	7.818	83	68471	19.881	ug/l #	95
42) Vinyl Acetate	3.715	43	639963	97.056	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	65288	20.012	ug/l #	93
44) Isopropyl Acetate	6.336	43	105399	19.435	ug/l	100
45) 1,4-Dioxane	7.665	88	14917	392.576	ug/l #	85
46) Methyl methacrylate	7.690	41	55412	20.959	ug/l	95
47) n-amyl Acetate	10.842	43	84543	19.226	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	64184	19.255	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	74709	19.631	ug/l	94
50) 1,1,2-Trichloroethane	9.147	97	49531	21.307	ug/l	97
51) Ethyl methacrylate	9.116	69	74543	20.994	ug/l	89
52) 1,3-Dichloropropane	9.305	76	84718	21.267	ug/l	98
53) Dibromochloromethane	9.519	129	47572	19.674	ug/l	100
54) 1,2-Dibromoethane	9.604	107	49567	20.724	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	177891	101.681	ug/l	99
56) Bromoform	10.799	173	25913	17.377	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	287816	93.800	ug/l	92
59) 2-Hexanone	9.427	43	234723	110.759	ug/l	97
61) Tetrachloroethene	9.269	164	44437	22.990	ug/l	94
62) Toluene	8.714	91	215622	21.778	ug/l	99
64) Chlorobenzene	10.073	112	123940	20.166	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	42508	20.372	ug/l	97
66) Ethyl Benzene	10.189	91	216745	20.360	ug/l	98
67) m/p-Xylenes	10.299	106	156975	39.215	ug/l	97
68) o-Xylene	10.640	106	79339	20.307	ug/l	99
69) Styrene	10.653	104	130106	20.050	ug/l	99
70) Isopropylbenzene	10.957	105	201570	20.015	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.207	83	64597	20.606	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	61168m	22.370	ug/l	
73) Bromobenzene	11.195	156	48784	20.607	ug/l	97
74) n-propylbenzene	11.299	91	226770	19.866	ug/l	99
75) 2-Chlorotoluene	11.360	91	145816	20.324	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	171334	20.465	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	16260	18.711	ug/l	98
78) 4-Chlorotoluene	11.451	91	161567	20.278	ug/l	97
79) tert-butylbenzene	11.713	119	168067	20.442	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	169096	20.495	ug/l	100
81) sec-Butylbenzene	11.890	105	198857	19.991	ug/l	100
82) p-Isopropyltoluene	12.006	119	162842	19.690	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	86438	20.181	ug/l	96
84) 1,4-Dichlorobenzene	12.036	146	86800	20.262	ug/l	96
85) n-Butylbenzene	12.329	91	133547	18.970	ug/l	99
86) Hexachloroethane	12.536	117	25143	19.296	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	87605	20.053	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	11909	19.745	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	48293	19.261	ug/l	97
90) Hexachlorobutadiene	13.725	225	19754	19.450	ug/l	96
91) Naphthalene	13.774	128	171746	20.239	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	51361	19.937	ug/l	98

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

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