

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010825\
 Data File : VX044638.D
 Acq On : 09 Jan 2025 01:40
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 09 02:06:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010825W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jan 09 01:07:24 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	27478	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	151214	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	152545	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	89122	37.235	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 124.133%#			
60) 4-Bromofluorobenzene	11.079	95	81961	30.695	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.333%			
63) Toluene-d8	8.646	98	243258	33.274	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 110.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	389036	220.115	ug/l	98
3) Chloromethane	1.294	50	374189	155.639	ug/l	96
4) Vinyl Chloride	1.373	62	361708	160.413	ug/l	97
5) Bromomethane	1.599	94	184146	261.698	ug/l	95
6) Chloroethane	1.666	64	183909	241.643	ug/l	96
7) Trichlorofluoromethane	1.873	101	570980	240.912	ug/l	96
8) Diethyl Ether	2.135	74	210160	197.961	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.318	101	311665	167.968	ug/l	99
10) 1,1-Dichloroethene	2.312	96	309671	164.581	ug/l	93
11) Methyl Iodide	2.446	142	421652	189.623	ug/l	95
12) Methyl Acetate	2.702	43	420587	128.758	ug/l	96
13) Acrolein	2.233	56	402676	733.613	ug/l	100
14) Acrylonitrile	3.062	53	781731	625.812	ug/l	99
15) Acetone	2.385	58	197599	584.347	ug/l	98
16) Carbon Disulfide	2.507	76	762615	144.847	ug/l	99
17) Allyl chloride	2.660	41	552314	153.994	ug/l	97
18) Methylene Chloride	2.788	84	335436	153.172	ug/l	99
19) trans-1,2-Dichloroethene	3.087	96	315514	158.360	ug/l	95
20) Diisopropyl ether	3.757	45	1099344	153.446	ug/l	98
21) 1,1-Dichloroethane	3.605	63	622434	159.905	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	382806	160.392	ug/l	99
23) tert-Butyl Alcohol	3.007	59	289641	549.794	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	1102553	164.482	ug/l	98
25) Chloroform	5.086	83	647366	172.275	ug/l	98
26) Cyclohexane	5.464	56	491727	140.912	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	422739	176.164	ug/l	99
30) 2-Butanone	4.556	43	1068415	659.942	ug/l	99
31) 2,2-Dichloropropane	4.470	77	511772	174.401	ug/l #	74
32) 1,1,1-Trichloroethane	5.379	97	586884	196.049	ug/l	97
33) Carbon Tetrachloride	5.671	117	494157	203.855	ug/l	94
34) Benzene	6.031	78	1266727	160.661	ug/l	98
35) Methacrylonitrile	4.922	41	249151	144.547	ug/l	98
36) 1,2-Dichloroethane	6.080	62	525312	199.590	ug/l	99
37) Trichloroethene	7.122	130	315442	174.870	ug/l	97
38) Methylcyclohexane	7.372	83	520962	162.019	ug/l	98
39) 1,2-Dichloropropane	7.427	63	313809	161.640	ug/l	92
40) Dibromomethane	7.574	93	244035	178.961	ug/l	99
41) Bromodichloromethane	7.817	83	487037	183.286	ug/l	98
42) Vinyl Acetate	3.721	43	4779385	667.330	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	442300	141.420	ug/l #	83
44) Isopropyl Acetate	6.336	43	762320	149.163	ug/l	99
45) 1,4-Dioxane	7.665	88	98688	2110.748	ug/l	100
46) Methyl methacrylate	7.689	41	377968	153.997	ug/l	99
47) n-amyl Acetate	10.841	43	679198	153.311	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	520860	182.924	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	561551	179.994	ug/l #	88
50) 1,1,2-Trichloroethane	9.146	97	331216	180.237	ug/l	98
51) Ethyl methacrylate	9.116	69	550112	165.958	ug/l	91
52) 1,3-Dichloropropane	9.305	76	551812	171.216	ug/l	99
53) Dibromochloromethane	9.518	129	377368	193.279	ug/l	100
54) 1,2-Dibromoethane	9.604	107	333412	174.956	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	1218095	796.189	ug/l	100
56) Bromoform	10.799	173	249891	190.169	ug/l	99
58) 4-Methyl-2-Pentanone	8.573	43	2216412	642.402	ug/l	95
59) 2-Hexanone	9.433	43	1634048	617.145	ug/l	96
61) Tetrachloroethene	9.268	164	275254	162.047	ug/l	97
62) Toluene	8.714	91	1479226	164.407	ug/l	99
64) Chlorobenzene	10.073	112	945182	171.601	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.158	131	331863	177.030	ug/l	99
66) Ethyl Benzene	10.189	91	1624401	166.821	ug/l	98
67) m/p-Xylenes	10.299	106	1242714	340.834	ug/l	94
68) o-Xylene	10.640	106	602724	164.363	ug/l	95
69) Styrene	10.652	104	1025873	168.597	ug/l	97
70) Isopropylbenzene	10.957	105	1548315	168.737	ug/l	96
71) 1,1,2,2-Tetrachloroethane	11.213	83	474634	143.737	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	407032m	140.824	ug/l	
73) Bromobenzene	11.195	156	359380	167.621	ug/l	98
74) n-propylbenzene	11.298	91	1734158	161.399	ug/l	99
75) 2-Chlorotoluene	11.359	91	1011052	150.913	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	1186860	157.283	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	157885	128.379	ug/l	82
78) 4-Chlorotoluene	11.451	91	1154987	158.069	ug/l	98
79) tert-butylbenzene	11.713	119	1181415	155.318	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	1173853	153.206	ug/l	100
81) sec-Butylbenzene	11.890	105	1443533	151.376	ug/l	100
82) p-Isopropyltoluene	12.006	119	1215043	157.204	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	627025	161.234	ug/l	98
84) 1,4-Dichlorobenzene	12.036	146	615037	158.104	ug/l	99
85) n-Butylbenzene	12.329	91	1110316	161.337	ug/l	99
86) Hexachloroethane	12.536	117	218397	143.497	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	613163	156.448	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.938	75	101751	137.787	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	396410	172.617	ug/l	100
90) Hexachlorobutadiene	13.725	225	152762	175.013	ug/l	96
91) Naphthalene	13.774	128	1320487	151.993	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	389636	165.488	ug/l	99

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

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