

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010825\
 Data File : VX044635.D
 Acq On : 09 Jan 2025 00:32
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Quant Time: Jan 09 01:09:05 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	31022	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	161023	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	148143	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	102283	37.852	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 126.167%#			
60) 4-Bromofluorobenzene	11.079	95	85227	32.867	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 109.567%			
63) Toluene-d8	8.641	98	251715	35.454	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 118.167%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	56623	28.377	ug/l	100
3) Chloromethane	1.294	50	55671	20.510	ug/l	100
4) Vinyl Chloride	1.374	62	51673	20.298	ug/l	100
5) Bromomethane	1.599	94	26008	32.739	ug/l	100
6) Chloroethane	1.666	64	32401	37.709	ug/l	100
7) Trichlorofluoromethane	1.880	101	80344	30.027	ug/l	100
8) Diethyl Ether	2.130	74	30197	25.195	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	41979	20.039	ug/l	100
10) 1,1-Dichloroethene	2.312	96	40323	18.982	ug/l	100
11) Methyl Iodide	2.447	142	58624	23.352	ug/l	100
12) Methyl Acetate	2.703	43	58351	15.823	ug/l	100
13) Acrolein	2.233	56	49974	80.644	ug/l	100
14) Acrylonitrile	3.062	53	110272	78.193	ug/l	100
15) Acetone	2.380	58	28844	75.554	ug/l	100
16) Carbon Disulfide	2.508	76	80318	13.512	ug/l	100
17) Allyl chloride	2.660	41	69238	17.099	ug/l	100
18) Methylene Chloride	2.788	84	48034	19.428	ug/l	100
19) trans-1,2-Dichloroethene	3.087	96	42052	18.695	ug/l	100
20) Diisopropyl ether	3.757	45	149010	18.423	ug/l	100
21) 1,1-Dichloroethane	3.605	63	83453	18.990	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	52003	19.300	ug/l	100
23) tert-Butyl Alcohol	2.995	59	41021	68.970	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	144997	19.160	ug/l	100
25) Chloroform	5.086	83	92190	21.731	ug/l	100
26) Cyclohexane	5.464	56	66077	16.772	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	54847	21.464	ug/l	100
30) 2-Butanone	4.556	43	150624	87.370	ug/l	100
31) 2,2-Dichloropropane	4.471	77	64515	20.646	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	77247	24.232	ug/l	100
33) Carbon Tetrachloride	5.672	117	60073	23.272	ug/l	100
34) Benzene	6.031	78	176389	21.009	ug/l	100
35) Methacrylonitrile	4.916	41	34631	18.868	ug/l	100
36) 1,2-Dichloroethane	6.080	62	75308	26.870	ug/l	100
37) Trichloroethene	7.116	130	42869	22.317	ug/l	100
38) Methylcyclohexane	7.373	83	67742	19.784	ug/l	100
39) 1,2-Dichloropropane	7.427	63	42734	20.671	ug/l	100
40) Dibromomethane	7.574	93	34512	23.767	ug/l	100
41) Bromodichloromethane	7.818	83	61734	21.817	ug/l	100
42) Vinyl Acetate	3.715	43	598559	78.484	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	56757	17.042	ug/l	100
44) Isopropyl Acetate	6.336	43	99979	18.371	ug/l	100
45) 1,4-Dioxane	7.665	88	13944	280.068	ug/l	100
46) Methyl methacrylate	7.696	41	49639	18.993	ug/l	100
47) n-amyl Acetate	10.841	43	76869	16.294	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	58174	19.186	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	65056	19.582	ug/l	100
50) 1,1,2-Trichloroethane	9.147	97	43479	22.219	ug/l	100
51) Ethyl methacrylate	9.116	69	64421	18.251	ug/l	100
52) 1,3-Dichloropropane	9.305	76	76644	22.332	ug/l	100
53) Dibromochloromethane	9.518	129	42123	20.260	ug/l	100
54) 1,2-Dibromoethane	9.604	107	45115	22.232	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	158629	97.369	ug/l	100
56) Bromoform	10.799	173	24011	17.159	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	306076	91.349	ug/l	100
59) 2-Hexanone	9.427	43	218529	84.986	ug/l	100
61) Tetrachloroethene	9.269	164	39047	23.671	ug/l	100
62) Toluene	8.714	91	193404	22.134	ug/l	100
64) Chlorobenzene	10.079	112	117117	21.895	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	39534	21.716	ug/l	100
66) Ethyl Benzene	10.189	91	205931	21.777	ug/l	100
67) m/p-Xylenes	10.299	106	155999	44.057	ug/l	100
68) o-Xylene	10.640	106	76197	21.396	ug/l	100
69) Styrene	10.652	104	124592	21.084	ug/l	100
70) Isopropylbenzene	10.957	105	196822	22.087	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	63087	19.673	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	57889m	20.623	ug/l	
73) Bromobenzene	11.195	156	48145	23.123	ug/l	100
74) n-propylbenzene	11.299	91	219838	21.068	ug/l	100
75) 2-Chlorotoluene	11.360	91	142111	21.842	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	167753	22.891	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	15763	13.198	ug/l	100
78) 4-Chlorotoluene	11.451	91	157623	22.213	ug/l	100
79) tert-butylbenzene	11.713	119	162022	21.934	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	165714	22.271	ug/l	100
81) sec-Butylbenzene	11.890	105	193008	20.841	ug/l	100
82) p-Isopropyltoluene	12.006	119	158293	21.089	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	81128	21.481	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	81123	21.473	ug/l	100
85) n-Butylbenzene	12.329	91	137146	20.520	ug/l	100
86) Hexachloroethane	12.536	117	23369	15.811	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	87692	23.039	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	11082	15.453	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	47115	21.126	ug/l	100
90) Hexachlorobutadiene	13.725	225	19334	22.808	ug/l	100
91) Naphthalene	13.774	128	161880	19.187	ug/l	100
92) 1,2,3-Trichlorobenzene	13.957	180	49825	21.791	ug/l	100

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

