

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010825\
 Data File : VX044636.D
 Acq On : 09 Jan 2025 00:55
 Operator : JC/MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC050

Quant Time: Jan 09 01:26:00 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	4.891	128	31194	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	161623	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	144761	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	99200	36.508	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 121.700%#			
60) 4-Bromofluorobenzene	11.079	95	82979	32.747	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 109.167%			
63) Toluene-d8	8.641	98	255779	36.868	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 122.900%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	141297	70.422	ug/l	96
3) Chloromethane	1.294	50	138910	50.895	ug/l	94
4) Vinyl Chloride	1.374	62	135169	52.805	ug/l	99
5) Bromomethane	1.599	94	63706	79.750	ug/l	94
6) Chloroethane	1.666	64	81640	94.490	ug/l	99
7) Trichlorofluoromethane	1.874	101	204612	76.047	ug/l	98
8) Diethyl Ether	2.136	74	77626	64.410	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	107951	51.248	ug/l	98
10) 1,1-Dichloroethene	2.312	96	107712	50.426	ug/l	96
11) Methyl Iodide	2.447	142	154362	61.149	ug/l	99
12) Methyl Acetate	2.703	43	147784	39.853	ug/l	98
13) Acrolein	2.233	56	134506	215.857	ug/l	99
14) Acrylonitrile	3.062	53	284783	200.824	ug/l	100
15) Acetone	2.380	58	71699	186.773	ug/l	96
16) Carbon Disulfide	2.508	76	240380	40.218	ug/l	99
17) Allyl chloride	2.660	41	186193	45.729	ug/l	97
18) Methylene Chloride	2.782	84	120720	48.558	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	109981	48.625	ug/l	97
20) Diisopropyl ether	3.757	45	386902	47.570	ug/l	98
21) 1,1-Dichloroethane	3.605	63	219023	49.565	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	133263	49.184	ug/l	98
23) tert-Butyl Alcohol	2.995	59	97208	162.538	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	385930	50.716	ug/l	99
25) Chloroform	5.086	83	232572	54.518	ug/l	95
26) Cyclohexane	5.458	56	174838	44.134	ug/l #	98
29) 1,1-Dichloropropene	5.684	75	149183	58.164	ug/l	98
30) 2-Butanone	4.556	43	383261	221.488	ug/l	99
31) 2,2-Dichloropropane	4.465	77	170619	54.399	ug/l #	73
32) 1,1,1-Trichloroethane	5.379	97	202988m	63.441	ug/l	
33) Carbon Tetrachloride	5.672	117	166571	64.290	ug/l	90
34) Benzene	6.031	78	456956	54.224	ug/l	99
35) Methacrylonitrile	4.916	41	88696	48.144	ug/l	98
36) 1,2-Dichloroethane	6.080	62	189094	67.219	ug/l	98
37) Trichloroethene	7.123	130	123206	63.902	ug/l	98
38) Methylcyclohexane	7.373	83	202140	58.817	ug/l	97
39) 1,2-Dichloropropane	7.427	63	120071	57.864	ug/l	97
40) Dibromomethane	7.580	93	93585	64.210	ug/l	97
41) Bromodichloromethane	7.818	83	177255	62.410	ug/l	98
42) Vinyl Acetate	3.715	43	1623807	212.125	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	157721	47.181	ug/l	# 83
44) Isopropyl Acetate	6.336	43	268062	49.074	ug/l	98
45) 1,4-Dioxane	7.665	88	39226	784.937	ug/l	98
46) Methyl methacrylate	7.690	41	131809	50.245	ug/l	97
47) n-amyl Acetate	10.841	43	217638	45.962	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	160894	52.866	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	196733	58.998	ug/l	91
50) 1,1,2-Trichloroethane	9.147	97	109095	55.543	ug/l	98
51) Ethyl methacrylate	9.116	69	172744	48.757	ug/l	98
52) 1,3-Dichloropropane	9.305	76	190167	55.205	ug/l	98
53) Dibromochloromethane	9.518	129	115796	55.488	ug/l	98
54) 1,2-Dibromoethane	9.604	107	113395	55.671	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	437772	267.714	ug/l	98
56) Bromoform	10.799	173	69918	49.781	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	812086	248.030	ug/l	97
59) 2-Hexanone	9.427	43	565334	224.996	ug/l	99
61) Tetrachloroethene	9.269	164	94953	58.906	ug/l	97
62) Toluene	8.714	91	494718	57.942	ug/l	100
64) Chlorobenzene	10.073	112	301111	57.607	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	103422	58.136	ug/l	99
66) Ethyl Benzene	10.189	91	534186	57.809	ug/l	99
67) m/p-Xylenes	10.299	106	396328	114.544	ug/l	99
68) o-Xylene	10.640	106	192904	55.434	ug/l	100
69) Styrene	10.652	104	325619	56.391	ug/l	99
70) Isopropylbenzene	10.957	105	499394	57.351	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.207	83	157512	50.266	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	135677m	49.465	ug/l	
73) Bromobenzene	11.195	156	117730	57.864	ug/l	96
74) n-propylbenzene	11.299	91	581975	57.077	ug/l	99
75) 2-Chlorotoluene	11.360	91	359160	56.492	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	421789	58.901	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	44580	38.198	ug/l	97
78) 4-Chlorotoluene	11.451	91	406810	58.669	ug/l	100
79) tert-butylbenzene	11.713	119	413157	57.238	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	420552	57.840	ug/l	100
81) sec-Butylbenzene	11.890	105	506392	55.958	ug/l	99
82) p-Isopropyltoluene	12.006	119	427173	58.240	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	211301	57.256	ug/l	100
84) 1,4-Dichlorobenzene	12.036	146	213734	57.898	ug/l	97
85) n-Butylbenzene	12.329	91	365531	55.970	ug/l	98
86) Hexachloroethane	12.536	117	65930	45.649	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	215149	57.847	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	31655	45.171	ug/l	96
89) 1,2,4-Trichlorobenzene	13.585	180	128114	58.787	ug/l	100
90) Hexachlorobutadiene	13.719	225	52214	63.036	ug/l	97
91) Naphthalene	13.774	128	450322	54.621	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	130293	58.314	ug/l	99

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

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