

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045044.D
 Acq On : 26 Feb 2025 10:05
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/27/2025
 Supervised By : Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 05:09:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.885	128	19230	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	102945	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	95036	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	55370	29.646	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.833%		
60) 4-Bromofluorobenzene	11.079	95	51813	29.168	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.233%		
63) Toluene-d8	8.641	98	158959	30.234	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.767%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	31462	19.408	ug/l	99
3) Chloromethane	1.307	50	34040	17.532	ug/l	98
4) Vinyl Chloride	1.374	62	34434	18.379	ug/l	99
5) Bromomethane	1.593	94	13734	21.059	ug/l	95
6) Chloroethane	1.666	64	19019	18.743	ug/l	90
7) Trichlorofluoromethane	1.874	101	49435	19.632	ug/l	94
8) Diethyl Ether	2.130	74	17965	18.856	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	28198	18.855	ug/l	99
10) 1,1-Dichloroethene	2.306	96	27377	18.741	ug/l	87
11) Methyl Iodide	2.441	142	28925	17.495	ug/l	96
12) Methyl Acetate	2.697	43	37181	21.918	ug/l	97
13) Acrolein	2.233	56	44256	130.158	ug/l	98
14) Acrylonitrile	3.062	53	85687	103.413	ug/l	99
15) Acetone	2.380	58	25551	112.437	ug/l	98
16) Carbon Disulfide	2.502	76	73537	17.747	ug/l	99
17) Allyl chloride	2.654	41	51459	18.834	ug/l	98
18) Methylene Chloride	2.782	84	30781	18.734	ug/l	95
19) trans-1,2-Dichloroethene	3.081	96	27485	18.597	ug/l	97
20) Diisopropyl ether	3.757	45	99862	19.020	ug/l	88
21) 1,1-Dichloroethane	3.599	63	54908	18.804	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	33612	18.979	ug/l	99
23) tert-Butyl Alcohol	2.971	59	27816	96.162	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	90352	18.950	ug/l	100
25) Chloroform	5.080	83	55342	19.622	ug/l	94
26) Cyclohexane	5.458	56	49397	18.327	ug/l #	97
29) 1,1-Dichloropropene	5.684	75	36670	19.364	ug/l	99
30) 2-Butanone	4.550	43	121667	111.235	ug/l	99
31) 2,2-Dichloropropane	4.465	77	40695	19.005	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	45638	19.891	ug/l	98
33) Carbon Tetrachloride	5.666	117	38939	20.109	ug/l	98
34) Benzene	6.031	78	117417	19.772	ug/l	98
35) Methacrylonitrile	4.916	41	25005	21.363	ug/l	95
36) 1,2-Dichloroethane	6.080	62	41224	20.276	ug/l	98
37) Trichloroethene	7.117	130	27352	19.687	ug/l	96
38) Methylcyclohexane	7.373	83	49126	19.321	ug/l	98
39) 1,2-Dichloropropane	7.421	63	28774	19.489	ug/l	98
40) Dibromomethane	7.580	93	21468	20.263	ug/l	98
41) Bromodichloromethane	7.818	83	42398	20.135	ug/l	96
42) Vinyl Acetate	3.715	43	415494	97.890	ug/l	100

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 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDCCC020

Manual Integrations
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Quant Time: Feb 27 05:09:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	41236	20.103	ug/l #	81
44) Isopropyl Acetate	6.336	43	69278	20.521	ug/l	98
45) 1,4-Dioxane	7.659	88	14555	414.728	ug/l	97
46) Methyl methacrylate	7.690	41	33818	20.429	ug/l	98
47) n-amyl Acetate	10.842	43	54130	18.477	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	37126	18.292	ug/l	97
49) cis-1,3-Dichloropropene	8.360	75	44780	19.490	ug/l	96
50) 1,1,2-Trichloroethane	9.147	97	28405	20.554	ug/l	94
51) Ethyl methacrylate	9.110	69	41117	18.918	ug/l	99
52) 1,3-Dichloropropane	9.305	76	49436	20.416	ug/l	98
53) Dibromochloromethane	9.519	129	30769	20.131	ug/l	96
54) 1,2-Dibromoethane	9.604	107	28746	20.485	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	97607	87.452	ug/l	99
56) Bromoform	10.799	173	19184	20.030	ug/l	100
58) 4-Methyl-2-Pentanone	8.568	43	231515	107.090	ug/l	99
59) 2-Hexanone	9.427	43	163605	104.699	ug/l	100
61) Tetrachloroethene	9.269	164	23592	20.159	ug/l	96
62) Toluene	8.714	91	125287	19.901	ug/l	100
64) Chlorobenzene	10.073	112	77755	19.931	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	25296	19.651	ug/l	99
66) Ethyl Benzene	10.189	91	135083	19.599	ug/l	98
67) m/p-Xylenes	10.299	106	102314	39.842	ug/l	99
68) o-Xylene	10.640	106	50250	19.944	ug/l	98
69) Styrene	10.653	104	83136	19.756	ug/l	98
70) Isopropylbenzene	10.957	105	129729	19.952	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	42766	20.002	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	35491m	20.181	ug/l	
73) Bromobenzene	11.195	156	29403	19.643	ug/l	100
74) n-propylbenzene	11.299	91	149615	19.336	ug/l	99
75) 2-Chlorotoluene	11.360	91	90923	19.437	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	106138	19.787	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	10999	18.590	ug/l	92
78) 4-Chlorotoluene	11.451	91	100745	19.320	ug/l	100
79) tert-butylbenzene	11.713	119	107314	19.856	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	104704	19.486	ug/l	98
81) sec-Butylbenzene	11.890	105	132184	19.487	ug/l	99
82) p-Isopropyltoluene	12.006	119	106300	19.341	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	51967	18.660	ug/l	97
84) 1,4-Dichlorobenzene	12.036	146	52050	18.955	ug/l	98
85) n-Butylbenzene	12.329	91	93367	18.603	ug/l	98
86) Hexachloroethane	12.536	117	18705	19.298	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	52340	19.154	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	7886	19.050	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	30337	18.317	ug/l	96
90) Hexachlorobutadiene	13.725	225	12973	19.208	ug/l	97
91) Naphthalene	13.774	128	108849	18.639	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	31303	18.359	ug/l	99

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

Manual Integrations

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