

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010825\
 Data File : VX044646.D
 Acq On : 09 Jan 2025 05:27
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/09/2025
 Supervised By : Semsettin Yesilyurt 01/09/2025

Quant Time: Jan 09 06:27:04 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

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

Internal Standards						
1) Bromochloromethane	4.891	128	30194	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	153138	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	142943	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	99294	30.037	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.133%			
60) 4-Bromofluorobenzene	11.079	95	82479	30.906	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.033%			
63) Toluene-d8	8.647	98	237747	29.747	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.167%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	51385	18.845	ug/l	96
3) Chloromethane	1.295	50	50894	18.597	ug/l	98
4) Vinyl Chloride	1.374	62	46976	18.222	ug/l	97
5) Bromomethane	1.599	94	24807	19.092	ug/l	90
6) Chloroethane	1.673	64	31406	21.768	ug/l	98
7) Trichlorofluoromethane	1.880	101	75276	18.998	ug/l	93
8) Diethyl Ether	2.130	74	28318	18.595	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.325	101	44943	21.108	ug/l	97
10) 1,1-Dichloroethene	2.313	96	44909	21.451	ug/l	87
11) Methyl Iodide	2.447	142	65397	22.349	ug/l	97
12) Methyl Acetate	2.697	43	56400	19.086	ug/l	94
13) Acrolein	2.233	56	53864	99.323	ug/l	98
14) Acrylonitrile	3.063	53	106492	95.891	ug/l	98
15) Acetone	2.380	58	32228	114.192	ug/l	83
16) Carbon Disulfide	2.508	76	89878	19.582	ug/l	97
17) Allyl chloride	2.660	41	67893	18.809	ug/l	98
18) Methylene Chloride	2.782	84	45168	18.620	ug/l	94
19) trans-1,2-Dichloroethene	3.087	96	38537	17.981	ug/l	91
20) Diisopropyl ether	3.758	45	139323	18.372	ug/l #	94
21) 1,1-Dichloroethane	3.605	63	78614	18.391	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	49083	18.592	ug/l	98
23) tert-Butyl Alcohol	2.989	59	41460	98.656	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	137722	18.299	ug/l	99
25) Chloroform	5.087	83	85075	18.552	ug/l	93
26) Cyclohexane	5.458	56	61908	18.304	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	52776	19.119	ug/l	98
30) 2-Butanone	4.556	43	148430	103.574	ug/l	99
31) 2,2-Dichloropropane	4.465	77	58870	18.230	ug/l #	75
32) 1,1,1-Trichloroethane	5.379	97	70868	18.605	ug/l	98
33) Carbon Tetrachloride	5.672	117	56337	18.161	ug/l	88
34) Benzene	6.032	78	165999	19.299	ug/l	99
35) Methacrylonitrile	4.916	41	32954	19.565	ug/l	91
36) 1,2-Dichloroethane	6.080	62	72789	20.249	ug/l	98
37) Trichloroethene	7.117	130	40128	18.661	ug/l	99
38) Methylcyclohexane	7.373	83	62275	18.103	ug/l	98
39) 1,2-Dichloropropane	7.422	63	39984	18.706	ug/l	99
40) Dibromomethane	7.580	93	32565	19.424	ug/l	99
41) Bromodichloromethane	7.818	83	59585	18.924	ug/l	100
42) Vinyl Acetate	3.715	43	573191	95.083	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	60276	20.208	ug/l	# 82
44) Isopropyl Acetate	6.336	43	98194	19.805	ug/l	100
45) 1,4-Dioxane	7.659	88	15075	433.944	ug/l	99
46) Methyl methacrylate	7.690	41	47737	19.749	ug/l	96
47) n-amyl Acetate	10.842	43	76850	19.116	ug/l	95
48) t-1,3-Dichloropropene	8.976	75	56070	18.398	ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	61622	17.711	ug/l	94
50) 1,1,2-Trichloroethane	9.147	97	42407	19.954	ug/l	97
51) Ethyl methacrylate	9.116	69	63375	19.523	ug/l	96
52) 1,3-Dichloropropane	9.305	76	71861	19.731	ug/l	98
53) Dibromochloromethane	9.519	129	40696	18.409	ug/l	99
54) 1,2-Dibromoethane	9.604	107	42932	19.633	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	158761	99.258	ug/l	100
56) Bromoform	10.799	173	23583	17.298	ug/l	98
58) 4-Methyl-2-Pentanone	8.568	43	308157	105.706	ug/l	100
59) 2-Hexanone	9.427	43	218181	108.363	ug/l	98
61) Tetrachloroethene	9.269	164	35253	19.197	ug/l	98
62) Toluene	8.714	91	181120	19.255	ug/l	98
64) Chlorobenzene	10.080	112	110678	18.954	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	37967	19.151	ug/l	97
66) Ethyl Benzene	10.189	91	197599	19.536	ug/l	99
67) m/p-Xylenes	10.299	106	147529	38.792	ug/l	99
68) o-Xylene	10.640	106	73629	19.836	ug/l	99
69) Styrene	10.653	104	119450	19.375	ug/l	99
70) Isopropylbenzene	10.957	105	184232	19.255	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.214	83	60876	20.440	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	54881m	21.125	ug/l	
73) Bromobenzene	11.195	156	44189	19.647	ug/l	97
74) n-propylbenzene	11.299	91	211137	19.468	ug/l	97
75) 2-Chlorotoluene	11.360	91	134397	19.717	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	156157	19.632	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	14350	17.381	ug/l	93
78) 4-Chlorotoluene	11.451	91	148989	19.682	ug/l	99
79) tert-butylbenzene	11.713	119	152973	19.584	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	154410	19.698	ug/l	99
81) sec-Butylbenzene	11.890	105	185314	19.609	ug/l	100
82) p-Isopropyltoluene	12.006	119	151593	19.293	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	78174	19.210	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	77946	19.151	ug/l	96
85) n-Butylbenzene	12.329	91	134832	20.159	ug/l	100
86) Hexachloroethane	12.536	117	24431	19.734	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	86519	20.845	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	12623	22.029	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	46194	19.392	ug/l	99
90) Hexachlorobutadiene	13.719	225	19630	20.344	ug/l	94
91) Naphthalene	13.774	128	170977	21.207	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	49880	20.380	ug/l	97

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

