

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102522\
 Data File : VN075006.D
 Acq On : 25 Oct 2022 12:24
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 27 09:55:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 27 09:52:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	20054	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	109315	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	107505	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	52450	28.604	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.333%
60) 4-Bromofluorobenzene	12.853	95	67340	31.880	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	106.267%
63) Toluene-d8	10.571	98	179681	29.883	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	90858	93.069	ug/l	98
3) Chloromethane	2.371	50	109905	85.585	ug/l	97
4) Vinyl Chloride	2.524	62	167521	86.271	ug/l	100
5) Bromomethane	2.918	94	125814	81.952	ug/l	97
6) Chloroethane	3.089	64	125737	83.948	ug/l	100
7) Trichlorofluoromethane	3.489	101	187510	90.020	ug/l	99
8) Diethyl Ether	3.971	74	76863	89.458	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.371	101	107576	87.822	ug/l	74
10) 1,1-Dichloroethene	4.348	96	103356	89.959	ug/l	99
11) Methyl Iodide	4.589	142	161341	90.013	ug/l	97
12) Methyl Acetate	5.036	43	172133	88.441	ug/l	94
13) Acrolein	4.189	56	106189	445.453	ug/l	96
14) Acrylonitrile	5.736	53	372865	463.703	ug/l	98
15) Acetone	4.442	58	105018	465.639	ug/l	88
16) Carbon Disulfide	4.712	76	236293	93.422	ug/l	98
17) Allyl chloride	5.030	41	143937	93.497	ug/l	91
18) Methylene Chloride	5.283	84	129630	90.058	ug/l	97
19) trans-1,2-Dichloroethene	5.795	96	122191	95.662	ug/l	96
20) Diisopropyl ether	6.683	45	389394	97.453	ug/l #	90
21) 1,1-Dichloroethane	6.577	63	233696	94.166	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	155963	96.635	ug/l	94
23) tert-Butyl Alcohol	5.547	59	176855	475.121	ug/l #	100
24) Methyl tert-Butyl Ether	5.806	73	454413	96.702	ug/l #	90
25) Chloroform	7.971	83	265806	96.950	ug/l	100
26) Cyclohexane	8.265	56	191595	96.106	ug/l #	91
29) 1,1-Dichloropropene	8.377	75	184541	98.418	ug/l	99
30) 2-Butanone	7.494	43	509889	471.725	ug/l	95
31) 2,2-Dichloropropane	7.494	77	225996	98.670	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	242330	99.788	ug/l	98
33) Carbon Tetrachloride	8.365	117	215696	100.873	ug/l	95
34) Benzene	8.612	78	561253	97.909	ug/l #	95
35) Methacrylonitrile	7.788	41	104852	101.208	ug/l	93
36) 1,2-Dichloroethane	8.677	62	204193	96.133	ug/l	96
37) Trichloroethene	9.353	130	138070	96.926	ug/l	92
38) Methylcyclohexane	9.606	83	232957	100.200	ug/l	95
39) 1,2-Dichloropropane	9.624	63	141269	97.894	ug/l	95
40) Dibromomethane	9.712	93	109998	100.470	ug/l	98
41) Bromodichloromethane	9.888	83	214789	100.767	ug/l	95
42) Vinyl Acetate	6.612	43	1505902	494.609	ug/l #	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	199550	93.414	ug/l	100
44) Isopropyl Acetate	8.694	43	329148	96.057	ug/l	94
45) 1,4-Dioxane	9.700	88	84696	2008.186	ug/l #	95
46) Methyl methacrylate	9.682	41	144984	94.320	ug/l	87
47) n-amyl Acetate	12.494	43	314488	106.836	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	245183	105.290	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	250225	102.235	ug/l #	85
50) 1,1,2-Trichloroethane	11.018	97	161021	100.388	ug/l	98
51) Ethyl methacrylate	10.877	69	260391	104.194	ug/l	82
52) 1,3-Dichloropropane	11.165	76	264804	98.709	ug/l	99
53) Dibromochloromethane	11.365	129	186316	107.396	ug/l	99
54) 1,2-Dibromoethane	11.471	107	169291	102.016	ug/l	95
55) 2-Chloroethyl vinyl ether	10.165	63	525016	514.209	ug/l	97
56) Bromoform	12.582	173	144511	113.457	ug/l #	100
58) 4-Methyl-2-Pentanone	10.447	43	1093246	471.458	ug/l #	91
59) 2-Hexanone	11.200	43	851499	478.677	ug/l	91
61) Tetrachloroethene	11.106	164	115693	96.767	ug/l	97
62) Toluene	10.635	91	689475	99.058	ug/l	96
64) Chlorobenzene	11.894	112	432806	100.342	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.965	131	166658	101.143	ug/l	99
66) Ethyl Benzene	11.965	91	793994	101.218	ug/l	95
67) m/p-Xylenes	12.076	106	655331	208.304	ug/l	94
68) o-Xylene	12.400	106	328046	103.736	ug/l	93
69) Styrene	12.412	104	552894	106.910	ug/l	95
70) Isopropylbenzene	12.700	105	867504	105.287	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	268637	100.089	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	239904m	106.818	ug/l	
73) Bromobenzene	12.982	156	189574	103.368	ug/l	99
74) n-propylbenzene	13.035	91	977260	105.915	ug/l	97
75) 2-Chlorotoluene	13.129	91	582955	104.440	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	743671	106.470	ug/l	95
77) t-1,4-Dichloro-2-butene	12.741	75	95309	112.107	ug/l	86
78) 4-Chlorotoluene	13.223	91	583145	105.247	ug/l	99
79) tert-butylbenzene	13.441	119	661269	106.106	ug/l	95
80) 1,2,4-Trimethylbenzene	13.482	105	764384m	107.803	ug/l	
81) sec-Butylbenzene	13.618	105	940050	127.006	ug/l	98
82) p-Isopropyltoluene	13.729	119	822241	111.247	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	401685	110.755	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	387101	110.632	ug/l	98
85) n-Butylbenzene	14.059	91	668693	112.798	ug/l	96
86) Hexachloroethane	14.335	117	143330	104.647	ug/l	97
87) 1,2-Dichlorobenzene	14.106	146	388596	108.323	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	59672	105.773	ug/l	94
89) 1,2,4-Trichlorobenzene	15.394	180	179753	113.444	ug/l	97
90) Hexachlorobutadiene	15.500	225	78479	107.693	ug/l	98
91) Naphthalene	15.641	128	687346	109.453	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	174089	108.537	ug/l	99

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

