

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
 Data File : VN085272.D
 Acq On : 20 Dec 2024 10:05
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Quant Time: Dec 21 01:40:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 01:29:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	29925	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	147950	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	134950	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	78890	29.968	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.900%
60) 4-Bromofluorobenzene	12.847	95	63148	28.888	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.300%
63) Toluene-d8	10.565	98	206247	31.299	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.333%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	11972	4.785	ug/l	93
3) Chloromethane	2.360	50	13552	5.364	ug/l	96
4) Vinyl Chloride	2.513	62	13662	5.326	ug/l	92
5) Bromomethane	2.954	94	8400	5.602	ug/l	99
6) Chloroethane	3.118	64	9071	5.602	ug/l	97
7) Trichlorofluoromethane	3.501	101	18255	5.180	ug/l	93
8) Diethyl Ether	3.960	74	5921	4.878	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	10482	5.180	ug/l	91
10) 1,1-Dichloroethene	4.336	96	9284m	5.022	ug/l	
11) Methyl Iodide	4.589	142	8960	4.044	ug/l	90
12) Methyl Acetate	5.012	43	12634m	4.580	ug/l	
13) Acrolein	4.177	56	8162	33.117	ug/l #	63
14) Acrylonitrile	5.724	53	23999	22.475	ug/l	99
15) Acetone	4.436	58	6761m	25.100	ug/l	
16) Carbon Disulfide	4.707	76	29834	5.309	ug/l	96
17) Allyl chloride	5.024	41	13971	4.672	ug/l	89
18) Methylene Chloride	5.277	84	11918	5.410	ug/l	89
19) trans-1,2-Dichloroethene	5.789	96	9407	4.892	ug/l #	76
20) Diisopropyl ether	6.665	45	31084	4.535	ug/l #	93
21) 1,1-Dichloroethane	6.571	63	20511	5.119	ug/l #	89
22) cis-1,2-Dichloroethene	7.483	96	11156	4.872	ug/l	100
23) tert-Butyl Alcohol	5.518	59	7725m	21.952	ug/l	
24) Methyl tert-Butyl Ether	5.795	73	26125	4.305	ug/l #	66
25) Chloroform	7.965	83	21418	5.273	ug/l	98
26) Cyclohexane	8.253	56	12906	4.225	ug/l #	97
29) 1,1-Dichloropropene	8.365	75	12620	4.913	ug/l #	62
30) 2-Butanone	7.477	43	31835	23.479	ug/l #	63
31) 2,2-Dichloropropane	7.489	77	16976	5.215	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	18325	5.488	ug/l	99
33) Carbon Tetrachloride	8.359	117	15855	5.424	ug/l	84
34) Benzene	8.606	78	43060	5.303	ug/l	93
35) Methacrylonitrile	7.783	41	7309m	4.869	ug/l	
36) 1,2-Dichloroethane	8.665	62	16492	5.617	ug/l	98
37) Trichloroethene	9.347	130	9449	5.289	ug/l	99
38) Methylcyclohexane	9.600	83	12207	4.592	ug/l	99
39) 1,2-Dichloropropane	9.624	63	10877	5.265	ug/l	94
40) Dibromomethane	9.706	93	7832	5.438	ug/l	99
41) Bromodichloromethane	9.883	83	15902	5.283	ug/l	99
42) Vinyl Acetate	6.601	43	104153	21.761	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	13903	4.958	ug/l	98
44) Isopropyl Acetate	8.683	43	22675	4.868	ug/l	95
45) 1,4-Dioxane	9.700	88	3355	92.601	ug/l #	83
46) Methyl methacrylate	9.677	41	9500	4.394	ug/l	91
47) n-amyl Acetate	12.494	43	15955	4.021	ug/l	95
48) t-1,3-Dichloropropene	10.830	75	14385	4.838	ug/l	95
49) cis-1,3-Dichloropropene	10.306	75	15948	4.989	ug/l	93
50) 1,1,2-Trichloroethane	11.012	97	10385	5.513	ug/l	89
51) Ethyl methacrylate	10.871	69	11450	4.019	ug/l	87
52) 1,3-Dichloropropane	11.159	76	16708	5.081	ug/l	97
53) Dibromochloromethane	11.359	129	11724	5.312	ug/l	98
54) 1,2-Dibromoethane	11.465	107	9241	5.069	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	34874	23.763	ug/l	99
56) Bromoform	12.577	173	7486	5.199	ug/l #	92
58) 4-Methyl-2-Pentanone	10.442	43	63871	23.347	ug/l	99
59) 2-Hexanone	11.194	43	44133	22.206	ug/l	95
61) Tetrachloroethene	11.106	164	8697	5.773	ug/l	86
62) Toluene	10.624	91	44448	5.361	ug/l	99
64) Chlorobenzene	11.888	112	26160	5.232	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	9761	5.383	ug/l	96
66) Ethyl Benzene	11.959	91	40717	4.667	ug/l	97
67) m/p-Xylenes	12.071	106	29599	9.044	ug/l	99
68) o-Xylene	12.394	106	14496	4.650	ug/l	96
69) Styrene	12.412	104	21997	4.175	ug/l	95
70) Isopropylbenzene	12.694	105	33727	4.309	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	15703	5.656	ug/l	94
72) 1,2,3-Trichloropropane	12.994	75	13741m	5.523	ug/l	
73) Bromobenzene	12.977	156	9490	4.907	ug/l	93
74) n-propylbenzene	13.035	91	43948	4.507	ug/l	98
75) 2-Chlorotoluene	13.124	91	27159	4.623	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	28562	4.276	ug/l	99
77) t-1,4-Dichloro-2-butene	12.730	75	4250	4.401	ug/l	93
78) 4-Chlorotoluene	13.218	91	27799	4.654	ug/l	100
79) tert-butylbenzene	13.435	119	23802	4.357	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	27501	4.138	ug/l	95
81) sec-Butylbenzene	13.612	105	33950	4.305	ug/l	98
82) p-Isopropyltoluene	13.730	119	26904	4.142	ug/l	98
83) 1,3-Dichlorobenzene	13.730	146	17432	4.833	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	16668	4.777	ug/l	98
85) n-Butylbenzene	14.053	91	22425	3.999	ug/l	97
86) Hexachloroethane	14.329	117	7051	5.057	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	16417	4.791	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.724	75	2281m	4.501	ug/l	
89) 1,2,4-Trichlorobenzene	15.841	180	6811	4.196	ug/l	96
90) Hexachlorobutadiene	15.500	225	4533	5.602	ug/l	97
91) Naphthalene	15.641	128	17764	3.406	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	6811	4.196	ug/l	96

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

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