

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
 Data File : VN085284.D
 Acq On : 20 Dec 2024 16:13
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Dec 21 02:25:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	27812	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	149884	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	138063	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	74117	30.294	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.967%	
60) 4-Bromofluorobenzene	12.847	95	67750	30.294	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.967%	
63) Toluene-d8	10.565	98	201005	29.816	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 99.400%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	45941	19.756	ug/l	98
3) Chloromethane	2.359	50	45516	19.386	ug/l	99
4) Vinyl Chloride	2.512	62	43579	18.279	ug/l	94
5) Bromomethane	2.959	94	25324	18.170	ug/l	96
6) Chloroethane	3.118	64	29219	19.415	ug/l	94
7) Trichlorofluoromethane	3.495	101	62167	18.981	ug/l	92
8) Diethyl Ether	3.959	74	19869	17.614	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	35415	18.830	ug/l	99
10) 1,1-Dichloroethene	4.336	96	31170	18.142	ug/l	95
11) Methyl Iodide	4.583	142	36342	17.649	ug/l	96
12) Methyl Acetate	5.024	43	45737	17.825	ug/l	91
13) Acrolein	4.183	56	24241	105.829	ug/l	99
14) Acrylonitrile	5.718	53	87149	87.817	ug/l	97
15) Acetone	4.424	58	22301	89.083	ug/l	99
16) Carbon Disulfide	4.706	76	93616	17.925	ug/l	99
17) Allyl chloride	5.018	41	50356	18.118	ug/l	94
18) Methylene Chloride	5.277	84	37854	18.489	ug/l	94
19) trans-1,2-Dichloroethene	5.789	96	33377	18.677	ug/l	91
20) Diisopropyl ether	6.671	45	117599	18.462	ug/l	98
21) 1,1-Dichloroethane	6.571	63	68690	18.446	ug/l	96
22) cis-1,2-Dichloroethene	7.483	96	37665	17.700	ug/l	98
23) tert-Butyl Alcohol	5.512	59	27800	85.000	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	103394	18.334	ug/l	98
25) Chloroform	7.965	83	70016	18.548	ug/l	98
26) Cyclohexane	8.253	56	51379	18.096	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	46300	17.792	ug/l	98
30) 2-Butanone	7.483	43	116766	85.005	ug/l	100
31) 2,2-Dichloropropane	7.488	77	58324	17.687	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	58527	17.300	ug/l	99
33) Carbon Tetrachloride	8.353	117	53635	18.111	ug/l	98
34) Benzene	8.600	78	146518	17.812	ug/l	99
35) Methacrylonitrile	7.777	41	26899	17.690	ug/l	94
36) 1,2-Dichloroethane	8.671	62	53465	17.974	ug/l	99
37) Trichloroethene	9.347	130	31945	17.651	ug/l	95
38) Methylcyclohexane	9.600	83	45885	17.039	ug/l	96
39) 1,2-Dichloropropane	9.618	63	37572	17.953	ug/l	99
40) Dibromomethane	9.706	93	25735	17.637	ug/l	99
41) Bromodichloromethane	9.888	83	54224	17.782	ug/l #	99
42) Vinyl Acetate	6.600	43	426381	87.935	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	44382	15.624	ug/l	100
44) Isopropyl Acetate	8.682	43	84453	17.896	ug/l	98
45) 1,4-Dioxane	9.694	88	12595	343.146	ug/l	95
46) Methyl methacrylate	9.676	41	36851	16.824	ug/l	95
47) n-amyl Acetate	12.494	43	68086	16.937	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	51688	17.160	ug/l	94
49) cis-1,3-Dichloropropene	10.306	75	56017	17.299	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	34070	17.854	ug/l	93
51) Ethyl methacrylate	10.871	69	49740	17.233	ug/l	88
52) 1,3-Dichloropropane	11.159	76	58448	17.546	ug/l	99
53) Dibromochloromethane	11.359	129	38190	17.079	ug/l	99
54) 1,2-Dibromoethane	11.465	107	32861	17.794	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	125577	84.465	ug/l	99
56) Bromoform	12.576	173	24206	16.594	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	252780	90.315	ug/l	100
59) 2-Hexanone	11.194	43	179578	88.320	ug/l	100
61) Tetrachloroethene	11.100	164	28358	18.399	ug/l	84
62) Toluene	10.629	91	154783	18.248	ug/l	100
64) Chlorobenzene	11.888	112	92367	18.056	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	32823	17.692	ug/l	98
66) Ethyl Benzene	11.959	91	153995	17.254	ug/l	97
67) m/p-Xylenes	12.070	106	119088	35.567	ug/l	99
68) o-Xylene	12.400	106	55397	17.370	ug/l	99
69) Styrene	12.412	104	92932	17.242	ug/l	98
70) Isopropylbenzene	12.694	105	141886	17.717	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	50486	17.775	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	45821m	18.954	ug/l	
73) Bromobenzene	12.976	156	34469	17.422	ug/l	95
74) n-propylbenzene	13.035	91	174672	17.507	ug/l	97
75) 2-Chlorotoluene	13.123	91	108839	18.109	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	122361	17.907	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	16384	16.584	ug/l	94
78) 4-Chlorotoluene	13.217	91	108080	17.686	ug/l	99
79) tert-butylbenzene	13.435	119	96848	17.330	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	121567	17.873	ug/l	100
81) sec-Butylbenzene	13.612	105	140501	17.414	ug/l	99
82) p-Isopropyltoluene	13.729	119	115449	17.375	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	65953	17.875	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	64209	17.987	ug/l	97
85) n-Butylbenzene	14.053	91	98235	17.124	ug/l	99
86) Hexachloroethane	14.335	117	24236	16.990	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	62284	17.768	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	8955	17.271	ug/l	93
89) 1,2,4-Trichlorobenzene	15.841	180	29130	17.541	ug/l	98
90) Hexachlorobutadiene	15.500	225	14597	17.633	ug/l	96
91) Naphthalene	15.641	128	86359	16.185	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	29130	17.541	ug/l	98

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

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