

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011025\
 Data File : VN085426.D
 Acq On : 10 Jan 2025 16:06
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Quant Time: Jan 10 22:49:18 2025
 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	7.806	128	28548	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	149674	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	141010	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	75424	30.033	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.100%	
60) 4-Bromofluorobenzene	12.847	95	68959	30.190	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.633%	
63) Toluene-d8	10.565	98	205631	29.864	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 99.533%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	49182	20.604	ug/l	99
3) Chloromethane	2.359	50	48686	20.201	ug/l	100
4) Vinyl Chloride	2.512	62	51527	21.056	ug/l	98
5) Bromomethane	2.959	94	29418	20.564	ug/l	100
6) Chloroethane	3.118	64	32730	21.187	ug/l	96
7) Trichlorofluoromethane	3.500	101	70790	21.056	ug/l	93
8) Diethyl Ether	3.953	74	23871	20.617	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	41842	21.674	ug/l	98
10) 1,1-Dichloroethene	4.336	96	37502	21.264	ug/l	92
11) Methyl Iodide	4.589	142	42177	19.955	ug/l	92
12) Methyl Acetate	5.024	43	60739	23.062	ug/l	99
13) Acrolein	4.177	56	26906	114.435	ug/l	100
14) Acrylonitrile	5.712	53	101509	99.650	ug/l	98
15) Acetone	4.418	58	25394	98.823	ug/l	95
16) Carbon Disulfide	4.706	76	103640	19.332	ug/l	96
17) Allyl chloride	5.018	41	56356	19.754	ug/l	97
18) Methylene Chloride	5.277	84	43983	20.929	ug/l	96
19) trans-1,2-Dichloroethene	5.788	96	39272	21.409	ug/l	96
20) Diisopropyl ether	6.659	45	135849	20.777	ug/l	98
21) 1,1-Dichloroethane	6.559	63	83108	21.742	ug/l #	95
22) cis-1,2-Dichloroethene	7.482	96	47840	21.902	ug/l	96
23) tert-Butyl Alcohol	5.506	59	28360	84.476	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	122885	21.229	ug/l	99
25) Chloroform	7.959	83	82908	21.397	ug/l	98
26) Cyclohexane	8.247	56	59749	20.502	ug/l #	97
29) 1,1-Dichloropropene	8.365	75	56460	21.726	ug/l	100
30) 2-Butanone	7.471	43	131443	95.824	ug/l	99
31) 2,2-Dichloropropane	7.482	77	71612	21.747	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	73435	21.738	ug/l	97
33) Carbon Tetrachloride	8.359	117	62432	21.112	ug/l	92
34) Benzene	8.600	78	175740	21.394	ug/l	98
35) Methacrylonitrile	7.771	41	31573	20.792	ug/l	95
36) 1,2-Dichloroethane	8.665	62	64124	21.588	ug/l	99
37) Trichloroethene	9.347	130	39502	21.857	ug/l	99
38) Methylcyclohexane	9.600	83	55803	20.751	ug/l	95
39) 1,2-Dichloropropane	9.618	63	45441	21.743	ug/l	98
40) Dibromomethane	9.700	93	31225	21.430	ug/l	97
41) Bromodichloromethane	9.882	83	65043	21.360	ug/l #	98
42) Vinyl Acetate	6.600	43	474709	98.040	ug/l	100

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	50195	17.695	ug/l	97
44) Isopropyl Acetate	8.682	43	92151	19.555	ug/l	97
45) 1,4-Dioxane	9.694	88	13815	376.912	ug/l	98
46) Methyl methacrylate	9.676	41	42822	19.577	ug/l	96
47) n-amyl Acetate	12.488	43	78214	19.483	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	62286	20.708	ug/l	96
49) cis-1,3-Dichloropropene	10.306	75	66431	20.544	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	39635	20.799	ug/l	99
51) Ethyl methacrylate	10.871	69	57722	20.027	ug/l	94
52) 1,3-Dichloropropane	11.159	76	71661	21.543	ug/l	98
53) Dibromochloromethane	11.353	129	46298	20.735	ug/l	97
54) 1,2-Dibromoethane	11.465	107	39809	21.586	ug/l	96
55) 2-Chloroethyl vinyl ether	10.153	63	148883	100.282	ug/l	100
56) Bromoform	12.576	173	28541	19.594	ug/l #	98
58) 4-Methyl-2-Pentanone	10.441	43	285640	99.922	ug/l	98
59) 2-Hexanone	11.194	43	202146	97.341	ug/l	98
61) Tetrachloroethene	11.100	164	33984	21.588	ug/l	91
62) Toluene	10.623	91	185976	21.468	ug/l	100
64) Chlorobenzene	11.888	112	112251	21.484	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	40740	21.501	ug/l	100
66) Ethyl Benzene	11.959	91	191477	21.006	ug/l	99
67) m/p-Xylenes	12.065	106	146599	42.868	ug/l	98
68) o-Xylene	12.394	106	68589	21.057	ug/l	99
69) Styrene	12.406	104	116149	21.099	ug/l	98
70) Isopropylbenzene	12.694	105	176609	21.592	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	57757	19.910	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	53413m	21.633	ug/l	
73) Bromobenzene	12.976	156	42446	21.006	ug/l	98
74) n-propylbenzene	13.029	91	217913	21.385	ug/l	98
75) 2-Chlorotoluene	13.123	91	133291	21.714	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	149755	21.457	ug/l	100
77) t-1,4-Dichloro-2-butene	12.729	75	20128	19.947	ug/l	91
78) 4-Chlorotoluene	13.217	91	131977	21.146	ug/l	99
79) tert-butylbenzene	13.435	119	120920	21.186	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	148115	21.321	ug/l	99
81) sec-Butylbenzene	13.611	105	175981	21.356	ug/l	98
82) p-Isopropyltoluene	13.723	119	144130	21.238	ug/l	98
83) 1,3-Dichlorobenzene	13.729	146	79708	21.151	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	78299	21.476	ug/l	97
85) n-Butylbenzene	14.053	91	121960	20.816	ug/l	99
86) Hexachloroethane	14.329	117	29109	19.980	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	75404	21.061	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9932	18.754	ug/l	95
89) 1,2,4-Trichlorobenzene	15.835	180	34792	20.512	ug/l	100
90) Hexachlorobutadiene	15.494	225	16490	19.504	ug/l	91
91) Naphthalene	15.641	128	104057	19.094	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	34792	20.512	ug/l	100

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

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