

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011025\
 Data File : VN085418.D
 Acq On : 10 Jan 2025 10:56
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020

Quant Time: Jan 10 22:39:55 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	7.812	128	32951	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	181970	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	160429	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84830	29.265	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.567%		
60) 4-Bromofluorobenzene	12.847	95	72823	28.023	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.400%		
63) Toluene-d8	10.565	98	230396	29.411	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.033%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	54190	19.669	ug/l	98
3) Chloromethane	2.359	50	51148	18.387	ug/l	97
4) Vinyl Chloride	2.518	62	52902	18.729	ug/l	98
5) Bromomethane	2.965	94	32048	19.409	ug/l	95
6) Chloroethane	3.124	64	34528	19.365	ug/l #	85
7) Trichlorofluoromethane	3.506	101	78848	20.319	ug/l	95
8) Diethyl Ether	3.959	74	26619	19.918	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	47115	21.144	ug/l	93
10) 1,1-Dichloroethene	4.341	96	39977	19.639	ug/l	92
11) Methyl Iodide	4.589	142	49017	20.092	ug/l	96
12) Methyl Acetate	5.024	43	61229	20.141	ug/l	99
13) Acrolein	4.177	56	27401	100.968	ug/l	100
14) Acrylonitrile	5.718	53	101371	86.217	ug/l	99
15) Acetone	4.430	58	27958	94.263	ug/l	95
16) Carbon Disulfide	4.712	76	115368	18.645	ug/l	97
17) Allyl chloride	5.018	41	63558	19.301	ug/l	99
18) Methylene Chloride	5.277	84	47412	19.546	ug/l	98
19) trans-1,2-Dichloroethene	5.783	96	42526	20.086	ug/l	89
20) Diisopropyl ether	6.665	45	152725	20.237	ug/l	98
21) 1,1-Dichloroethane	6.559	63	88899	20.150	ug/l	97
22) cis-1,2-Dichloroethene	7.477	96	50725	20.120	ug/l	98
23) tert-Butyl Alcohol	5.524	59	27689	71.457	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	132360	19.810	ug/l	97
25) Chloroform	7.959	83	88615	19.814	ug/l	97
26) Cyclohexane	8.253	56	67755	20.142	ug/l #	100
29) 1,1-Dichloropropene	8.365	75	61289	19.399	ug/l	99
30) 2-Butanone	7.477	43	134491	80.645	ug/l	100
31) 2,2-Dichloropropane	7.488	77	78656	19.647	ug/l	98
32) 1,1,1-Trichloroethane	8.159	97	78159	19.030	ug/l	98
33) Carbon Tetrachloride	8.359	117	67240	18.702	ug/l	97
34) Benzene	8.600	78	189453	18.970	ug/l	98
35) Methacrylonitrile	7.777	41	31581	17.107	ug/l	96
36) 1,2-Dichloroethane	8.665	62	69072	19.126	ug/l	99
37) Trichloroethene	9.347	130	42502	19.343	ug/l	94
38) Methylcyclohexane	9.594	83	61410	18.783	ug/l	96
39) 1,2-Dichloropropane	9.618	63	47348	18.635	ug/l	93
40) Dibromomethane	9.700	93	32564	18.382	ug/l	99
41) Bromodichloromethane	9.882	83	69100	18.665	ug/l #	93
42) Vinyl Acetate	6.594	43	510123	86.656	ug/l	100

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	58554	16.978	ug/l	96
44) Isopropyl Acetate	8.682	43	100964	17.622	ug/l	98
45) 1,4-Dioxane	9.694	88	11976	268.750	ug/l	94
46) Methyl methacrylate	9.676	41	44903	16.885	ug/l	97
47) n-amyl Acetate	12.488	43	73922	15.146	ug/l	98
48) t-1,3-Dichloropropene	10.829	75	66432	18.167	ug/l	98
49) cis-1,3-Dichloropropene	10.306	75	74719	19.006	ug/l	95
50) 1,1,2-Trichloroethane	11.012	97	44413	19.170	ug/l	94
51) Ethyl methacrylate	10.871	69	59042	16.849	ug/l	93
52) 1,3-Dichloropropane	11.159	76	74734	18.479	ug/l	99
53) Dibromochloromethane	11.353	129	49021	18.058	ug/l	96
54) 1,2-Dibromoethane	11.465	107	40499	18.063	ug/l	98
55) 2-Chloroethyl vinyl ether	10.153	63	147280	81.596	ug/l	99
56) Bromoform	12.576	173	29820	16.838	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	282811	86.957	ug/l	99
59) 2-Hexanone	11.188	43	195130	82.589	ug/l	98
61) Tetrachloroethene	11.100	164	38281	21.374	ug/l	93
62) Toluene	10.623	91	198231	20.113	ug/l	99
64) Chlorobenzene	11.888	112	116097	19.531	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	42484	19.707	ug/l	98
66) Ethyl Benzene	11.959	91	200143	19.299	ug/l	100
67) m/p-Xylenes	12.065	106	154051	39.595	ug/l	99
68) o-Xylene	12.394	106	70672	19.070	ug/l	99
69) Styrene	12.406	104	118918	18.987	ug/l	99
70) Isopropylbenzene	12.694	105	184077	19.781	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	57515	17.426	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	52061m	18.533	ug/l	
73) Bromobenzene	12.976	156	43334	18.850	ug/l	96
74) n-propylbenzene	13.029	91	221693	19.123	ug/l	99
75) 2-Chlorotoluene	13.123	91	134505	19.259	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	152226	19.171	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	18868	16.435	ug/l	97
78) 4-Chlorotoluene	13.217	91	133506	18.801	ug/l	99
79) tert-butylbenzene	13.435	119	125691	19.356	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	155304	19.650	ug/l	100
81) sec-Butylbenzene	13.611	105	182710	19.489	ug/l	98
82) p-Isopropyltoluene	13.723	119	148838	19.277	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	80555	18.789	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	78237	18.862	ug/l	96
85) n-Butylbenzene	14.053	91	124250	18.640	ug/l	100
86) Hexachloroethane	14.329	117	31006	18.706	ug/l	98
87) 1,2-Dichlorobenzene	14.100	146	76243	18.718	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10409	17.276	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	37156	19.254	ug/l	99
90) Hexachlorobutadiene	15.494	225	18708	19.449	ug/l	91
91) Naphthalene	15.635	128	104996	16.934	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	37156	19.254	ug/l	99

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

