

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011025\
 Data File : VN085419.D
 Acq On : 10 Jan 2025 11:33
 Operator : JC\MD
 Sample : VN0110WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0110WBS01

Quant Time: Jan 10 22:40:57 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	31512	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	174744	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	158580	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	82108	29.620	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.733%	
60) 4-Bromofluorobenzene	12.847	95	75788	29.504	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	98.333%	
63) Toluene-d8	10.559	98	232183	29.984	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.933%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	55214	20.955	ug/l	97
3) Chloromethane	2.359	50	53746	20.203	ug/l	95
4) Vinyl Chloride	2.512	62	54510	20.180	ug/l	98
5) Bromomethane	2.965	94	33201	21.025	ug/l	100
6) Chloroethane	3.124	64	35385	20.751	ug/l	95
7) Trichlorofluoromethane	3.506	101	80400	21.665	ug/l	96
8) Diethyl Ether	3.959	74	26994	21.121	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	47692	22.380	ug/l	82
10) 1,1-Dichloroethene	4.342	96	42076	21.614	ug/l	99
11) Methyl Iodide	4.589	142	52645	22.564	ug/l	98
12) Methyl Acetate	5.018	43	64678	22.247	ug/l	99
13) Acrolein	4.171	56	28984	111.678	ug/l #	68
14) Acrylonitrile	5.712	53	108604	96.587	ug/l	98
15) Acetone	4.418	58	27899	98.360	ug/l	99
16) Carbon Disulfide	4.712	76	119284	20.158	ug/l	96
17) Allyl chloride	5.024	41	65284	20.731	ug/l	92
18) Methylene Chloride	5.271	84	49314	21.258	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	43549	21.508	ug/l	92
20) Diisopropyl ether	6.665	45	155139	21.496	ug/l	98
21) 1,1-Dichloroethane	6.559	63	91911	21.784	ug/l #	95
22) cis-1,2-Dichloroethene	7.477	96	52335	21.706	ug/l	99
23) tert-Butyl Alcohol	5.512	59	32287	87.128	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	140947	22.059	ug/l	95
25) Chloroform	7.959	83	92301	21.581	ug/l	97
26) Cyclohexane	8.253	56	67571	21.005	ug/l #	97
29) 1,1-Dichloropropene	8.365	75	63120	20.805	ug/l	99
30) 2-Butanone	7.477	43	142404	88.920	ug/l	98
31) 2,2-Dichloropropane	7.483	77	80838	21.027	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	79941	20.269	ug/l	99
33) Carbon Tetrachloride	8.359	117	71059	20.581	ug/l	98
34) Benzene	8.600	78	197604	20.605	ug/l	98
35) Methacrylonitrile	7.777	41	33380	18.829	ug/l	99
36) 1,2-Dichloroethane	8.665	62	69584	20.065	ug/l #	91
37) Trichloroethene	9.347	130	43267	20.505	ug/l	91
38) Methylcyclohexane	9.594	83	63951	20.369	ug/l	95
39) 1,2-Dichloropropane	9.618	63	49902	20.452	ug/l	99
40) Dibromomethane	9.700	93	34052	20.017	ug/l	98
41) Bromodichloromethane	9.883	83	71873	20.217	ug/l	99
42) Vinyl Acetate	6.595	43	534666	94.580	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	61368	18.530	ug/l	96
44) Isopropyl Acetate	8.683	43	102325	18.599	ug/l	99
45) 1,4-Dioxane	9.688	88	14307	334.335	ug/l	100
46) Methyl methacrylate	9.677	41	47868	18.744	ug/l	95
47) n-amyl Acetate	12.488	43	82190	17.536	ug/l	99
48) t-1,3-Dichloropropene	10.830	75	71496	20.360	ug/l	97
49) cis-1,3-Dichloropropene	10.306	75	77970	20.653	ug/l	97
50) 1,1,2-Trichloroethane	11.012	97	43971	19.764	ug/l	98
51) Ethyl methacrylate	10.871	69	64540	19.180	ug/l	93
52) 1,3-Dichloropropane	11.159	76	78537	20.223	ug/l	97
53) Dibromochloromethane	11.353	129	51529	19.766	ug/l	98
54) 1,2-Dibromoethane	11.465	107	42333	19.662	ug/l	98
55) 2-Chloroethyl vinyl ether	10.153	63	148014	85.393	ug/l	99
56) Bromoform	12.571	173	30949	18.198	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	301102	93.661	ug/l	99
59) 2-Hexanone	11.188	43	211060	90.373	ug/l	98
61) Tetrachloroethene	11.100	164	39076	22.073	ug/l	88
62) Toluene	10.624	91	205407	21.084	ug/l	100
64) Chlorobenzene	11.888	112	126737	21.569	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	45615	21.406	ug/l	96
66) Ethyl Benzene	11.959	91	213047	20.783	ug/l	94
67) m/p-Xylenes	12.065	106	165155	42.944	ug/l	100
68) o-Xylene	12.394	106	77801	21.238	ug/l	98
69) Styrene	12.406	104	130260	21.040	ug/l	99
70) Isopropylbenzene	12.694	105	198717	21.603	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	62162	19.054	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	54928m	19.782	ug/l	
73) Bromobenzene	12.976	156	46972	20.670	ug/l	98
74) n-propylbenzene	13.029	91	240044	20.947	ug/l	98
75) 2-Chlorotoluene	13.123	91	146170	21.174	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	167566	21.349	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	20704	18.245	ug/l	89
78) 4-Chlorotoluene	13.218	91	147080	20.955	ug/l	98
79) tert-butylbenzene	13.435	119	137558	21.431	ug/l	98
80) 1,2,4-Trimethylbenzene	13.476	105	168002	21.504	ug/l	99
81) sec-Butylbenzene	13.612	105	199871	21.568	ug/l	99
82) p-Isopropyltoluene	13.723	119	164693	21.580	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	89091	21.022	ug/l	99
84) 1,4-Dichlorobenzene	13.806	146	84756	20.671	ug/l	100
85) n-Butylbenzene	14.053	91	139177	21.123	ug/l	99
86) Hexachloroethane	14.329	117	32446	19.803	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	86991	21.606	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10638	17.862	ug/l	99
89) 1,2,4-Trichlorobenzene	15.835	180	39049	20.471	ug/l	99
90) Hexachlorobutadiene	15.494	225	20609	21.675	ug/l	95
91) Naphthalene	15.635	128	115209	18.798	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	39049	20.471	ug/l	99

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

