

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122024\
 Data File : VN085280.D
 Acq On : 20 Dec 2024 13:42
 Operator : JC\MD
 Sample : VN1220WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBSD01

Quant Time: Dec 21 02:23:31 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	28666	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	153928	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	142114	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76972	30.524	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.733%
60) 4-Bromofluorobenzene	12.847	95	69975	30.397	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.333%
63) Toluene-d8	10.565	98	206382	29.741	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.133%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	47331	19.747	ug/l	97
3) Chloromethane	2.354	50	47013	19.427	ug/l	98
4) Vinyl Chloride	2.512	62	45828	18.650	ug/l	99
5) Bromomethane	2.959	94	28253	19.668	ug/l	94
6) Chloroethane	3.118	64	29005	18.699	ug/l	90
7) Trichlorofluoromethane	3.495	101	66062	19.569	ug/l	98
8) Diethyl Ether	3.959	74	23726	20.407	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	37278	19.230	ug/l	99
10) 1,1-Dichloroethene	4.336	96	34705	19.597	ug/l	97
11) Methyl Iodide	4.589	142	42006	19.792	ug/l	98
12) Methyl Acetate	5.024	43	56792	21.474	ug/l	95
13) Acrolein	4.183	56	22909	97.034	ug/l	97
14) Acrylonitrile	5.712	53	103508	101.194	ug/l #	79
15) Acetone	4.424	58	28073	108.799	ug/l	98
16) Carbon Disulfide	4.706	76	102625	19.064	ug/l	99
17) Allyl chloride	5.018	41	57014	19.902	ug/l	99
18) Methylene Chloride	5.277	84	42040	19.922	ug/l	99
19) trans-1,2-Dichloroethene	5.789	96	36515	19.825	ug/l	97
20) Diisopropyl ether	6.665	45	132672	20.208	ug/l	99
21) 1,1-Dichloroethane	6.565	63	76153	19.841	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	43297	19.740	ug/l	98
23) tert-Butyl Alcohol	5.524	59	39058	115.864	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	118953	20.465	ug/l #	78
25) Chloroform	7.965	83	78645	20.214	ug/l	94
26) Cyclohexane	8.253	56	55069	18.818	ug/l #	98
29) 1,1-Dichloropropene	8.365	75	50761	18.994	ug/l	99
30) 2-Butanone	7.483	43	148754	105.447	ug/l	99
31) 2,2-Dichloropropane	7.488	77	65790	19.427	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	66041	19.009	ug/l	99
33) Carbon Tetrachloride	8.359	117	57874	19.029	ug/l	94
34) Benzene	8.606	78	159816	18.918	ug/l	97
35) Methacrylonitrile	7.777	41	32449	20.779	ug/l	93
36) 1,2-Dichloroethane	8.671	62	58160	19.039	ug/l	99
37) Trichloroethene	9.347	130	36132	19.440	ug/l	91
38) Methylcyclohexane	9.600	83	49886	18.038	ug/l	96
39) 1,2-Dichloropropane	9.618	63	40742	18.956	ug/l	97
40) Dibromomethane	9.706	93	29056	19.390	ug/l	100
41) Bromodichloromethane	9.888	83	61614	19.675	ug/l	98
42) Vinyl Acetate	6.600	43	497120	99.831	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	61269	21.002	ug/l	98
44) Isopropyl Acetate	8.688	43	96725	19.958	ug/l	100
45) 1,4-Dioxane	9.694	88	16415	435.471	ug/l	98
46) Methyl methacrylate	9.677	41	43709	19.430	ug/l	95
47) n-amyl Acetate	12.494	43	79962	19.368	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	59538	19.247	ug/l	97
49) cis-1,3-Dichloropropene	10.306	75	64556	19.412	ug/l	96
50) 1,1,2-Trichloroethane	11.018	97	38437	19.613	ug/l	94
51) Ethyl methacrylate	10.877	69	58914	19.875	ug/l	88
52) 1,3-Dichloropropane	11.165	76	68304	19.966	ug/l	97
53) Dibromochloromethane	11.359	129	43692	19.027	ug/l	100
54) 1,2-Dibromoethane	11.471	107	36864	19.437	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	130171	85.255	ug/l	99
56) Bromoform	12.576	173	28048	18.723	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	302374	104.954	ug/l	99
59) 2-Hexanone	11.194	43	219534	104.893	ug/l	99
61) Tetrachloroethene	11.100	164	30155	19.007	ug/l	97
62) Toluene	10.629	91	169481	19.412	ug/l	99
64) Chlorobenzene	11.888	112	101671	19.308	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	37794	19.791	ug/l	97
66) Ethyl Benzene	11.965	91	171895	18.711	ug/l	99
67) m/p-Xylenes	12.071	106	133083	38.614	ug/l	99
68) o-Xylene	12.400	106	61439	18.715	ug/l	99
69) Styrene	12.412	104	105884	19.085	ug/l	99
70) Isopropylbenzene	12.694	105	157181	19.068	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.935	83	56612	19.363	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	53362m	21.445	ug/l	
73) Bromobenzene	12.982	156	39178	19.238	ug/l	98
74) n-propylbenzene	13.035	91	194748	18.963	ug/l	100
75) 2-Chlorotoluene	13.123	91	122836	19.855	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	132872	18.891	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	18989	18.672	ug/l	99
78) 4-Chlorotoluene	13.218	91	120464	19.151	ug/l	98
79) tert-butylbenzene	13.435	119	105552	18.350	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	134600	19.225	ug/l	98
81) sec-Butylbenzene	13.618	105	156413	18.834	ug/l	99
82) p-Isopropyltoluene	13.729	119	128939	18.852	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	73327	19.307	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	73765	20.075	ug/l	95
85) n-Butylbenzene	14.053	91	107294	18.170	ug/l	99
86) Hexachloroethane	14.329	117	26600	18.116	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	71122	19.711	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10760	20.160	ug/l	92
89) 1,2,4-Trichlorobenzene	15.835	180	34236	20.028	ug/l	100
90) Hexachlorobutadiene	15.500	225	16736	19.641	ug/l	90
91) Naphthalene	15.641	128	105853	19.273	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	34236	20.028	ug/l	100

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

