

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101824\
 Data File : VN084420.D
 Acq On : 18 Oct 2024 10:31
 Operator : JC\MD
 Sample : VN1018WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS01

Quant Time: Oct 19 03:47:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	32144	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	173526	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	162663	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77613	29.991	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.967%
60) 4-Bromofluorobenzene	12.847	95	81718	30.439	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.467%
63) Toluene-d8	10.565	98	229591	30.467	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.567%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	35881	18.283	ug/l	97
3) Chloromethane	2.359	50	39046	17.483	ug/l	97
4) Vinyl Chloride	2.512	62	40351	18.424	ug/l	98
5) Bromomethane	2.965	94	25588	17.634	ug/l	96
6) Chloroethane	3.124	64	26523	18.473	ug/l	96
7) Trichlorofluoromethane	3.500	101	65291	18.302	ug/l	99
8) Diethyl Ether	3.953	74	21854	16.663	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	38970	19.428	ug/l	75
10) 1,1-Dichloroethene	4.341	96	35969	17.971	ug/l	89
11) Methyl Iodide	4.589	142	46032	17.501	ug/l	95
12) Methyl Acetate	5.024	43	47248	18.857	ug/l	97
13) Acrolein	4.177	56	37077	79.658	ug/l	100
14) Acrylonitrile	5.712	53	93102	82.706	ug/l	61
15) Acetone	4.430	58	33153	103.098	ug/l	99
16) Carbon Disulfide	4.712	76	97911	16.428	ug/l	100
17) Allyl chloride	5.024	41	55013	16.956	ug/l	98
18) Methylene Chloride	5.277	84	42680	18.930	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	36988	17.462	ug/l	90
20) Diisopropyl ether	6.671	45	128701	18.450	ug/l	98
21) 1,1-Dichloroethane	6.571	63	74287	18.559	ug/l	95
22) cis-1,2-Dichloroethene	7.488	96	45820	18.589	ug/l	100
23) tert-Butyl Alcohol	5.512	59	32112	74.369	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	117902	17.627	ug/l #	85
25) Chloroform	7.959	83	78557	19.378	ug/l	98
26) Cyclohexane	8.253	56	56273	16.810	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	51418	18.050	ug/l	100
30) 2-Butanone	7.482	43	134779	88.867	ug/l	99
31) 2,2-Dichloropropane	7.488	77	65769	19.648	ug/l #	83
32) 1,1,1-Trichloroethane	8.165	97	67453	18.526	ug/l	98
33) Carbon Tetrachloride	8.359	117	59330	18.809	ug/l	97
34) Benzene	8.606	78	167105	18.740	ug/l	95
35) Methacrylonitrile	7.782	41	28945	17.889	ug/l	99
36) 1,2-Dichloroethane	8.665	62	54983	18.499	ug/l	98
37) Trichloroethene	9.353	130	39001	18.994	ug/l	94
38) Methylcyclohexane	9.600	83	54392	17.383	ug/l	98
39) 1,2-Dichloropropane	9.624	63	41795	19.221	ug/l	95
40) Dibromomethane	9.706	93	28721	18.899	ug/l	97
41) Bromodichloromethane	9.888	83	61321	19.007	ug/l	88
42) Vinyl Acetate	6.600	43	440441	83.500	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	50978	17.043	ug/l	100
44) Isopropyl Acetate	8.688	43	85716	17.508	ug/l	99
45) 1,4-Dioxane	9.694	88	14842	336.303	ug/l	99
46) Methyl methacrylate	9.682	41	38534	16.290	ug/l	98
47) n-amyl Acetate	12.494	43	70213	16.124	ug/l	96
48) t-1,3-Dichloropropene	10.835	75	57683	17.302	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	65729	18.812	ug/l	97
50) 1,1,2-Trichloroethane	11.018	97	40726	19.937	ug/l	92
51) Ethyl methacrylate	10.870	69	56576	16.768	ug/l	92
52) 1,3-Dichloropropane	11.159	76	66748	18.688	ug/l	99
53) Dibromochloromethane	11.359	129	45018	18.656	ug/l	99
54) 1,2-Dibromoethane	11.465	107	38886	18.494	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	139904	91.423	ug/l	98
56) Bromoform	12.576	173	28414	17.754	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	256823	84.756	ug/l	100
59) 2-Hexanone	11.194	43	192649	85.559	ug/l	99
61) Tetrachloroethene	11.100	164	37136	20.183	ug/l	94
62) Toluene	10.629	91	176230	18.506	ug/l	100
64) Chlorobenzene	11.888	112	108113	18.244	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.959	131	39466	19.171	ug/l	99
66) Ethyl Benzene	11.965	91	187911	18.163	ug/l	98
67) m/p-Xylenes	12.070	106	145381	37.042	ug/l	100
68) o-Xylene	12.394	106	66822	17.664	ug/l	97
69) Styrene	12.412	104	118831	18.298	ug/l	99
70) Isopropylbenzene	12.694	105	172602	17.872	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.935	83	54505	18.244	ug/l	97
72) 1,2,3-Trichloropropane	12.994	75	51269m	20.037	ug/l	
73) Bromobenzene	12.982	156	42893	18.339	ug/l	98
74) n-propylbenzene	13.035	91	211934	18.415	ug/l	99
75) 2-Chlorotoluene	13.123	91	130798	18.290	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	152031	18.696	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	18640	17.048	ug/l	96
78) 4-Chlorotoluene	13.217	91	136034	18.710	ug/l	99
79) tert-butylbenzene	13.435	119	121506	17.515	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	154433	18.717	ug/l	98
81) sec-Butylbenzene	13.617	105	177032	18.535	ug/l	100
82) p-Isopropyltoluene	13.729	119	147007	18.287	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	83006	19.086	ug/l	100
84) 1,4-Dichlorobenzene	13.811	146	80220	18.576	ug/l	99
85) n-Butylbenzene	14.053	91	124594	17.894	ug/l	99
86) Hexachloroethane	14.335	117	28413	18.345	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	79940	19.012	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	9803	16.045	ug/l	98
89) 1,2,4-Trichlorobenzene	15.835	180	38386	17.558	ug/l	98
90) Hexachlorobutadiene	15.500	225	18802	18.590	ug/l	98
91) Naphthalene	15.641	128	110255	14.883	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	38386	17.558	ug/l	98

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

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