

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101824\
 Data File : VN084421.D
 Acq On : 18 Oct 2024 11:09
 Operator : JC\MD
 Sample : VN1018WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBSD01

Quant Time: Oct 19 03:48:54 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	31336	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	165539	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	153767	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	76150	30.184	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.600%			
60) 4-Bromofluorobenzene	12.847	95	77443	30.516	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.733%			
63) Toluene-d8	10.565	98	217089	30.475	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	33551	17.537	ug/l	97
3) Chloromethane	2.359	50	38736	17.792	ug/l	95
4) Vinyl Chloride	2.512	62	38167	17.876	ug/l	94
5) Bromomethane	2.965	94	26229	18.542	ug/l	97
6) Chloroethane	3.118	64	25482	18.205	ug/l	91
7) Trichlorofluoromethane	3.501	101	63696	18.315	ug/l	94
8) Diethyl Ether	3.959	74	23174	18.125	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	37210	19.029	ug/l	97
10) 1,1-Dichloroethene	4.348	96	33893	17.371	ug/l	86
11) Methyl Iodide	4.595	142	46403	18.097	ug/l	93
12) Methyl Acetate	5.024	43	51495	21.082	ug/l	95
13) Acrolein	4.177	56	35245	77.674	ug/l	98
14) Acrylonitrile	5.718	53	99964	91.091	ug/l	97
15) Acetone	4.424	58	32958m	105.134	ug/l	
16) Carbon Disulfide	4.718	76	95697	16.470	ug/l	99
17) Allyl chloride	5.030	41	53592	16.944	ug/l	98
18) Methylene Chloride	5.271	84	42282	19.237	ug/l	95
19) trans-1,2-Dichloroethene	5.789	96	37823	18.316	ug/l	90
20) Diisopropyl ether	6.671	45	124589	18.321	ug/l #	97
21) 1,1-Dichloroethane	6.565	63	73100	18.734	ug/l	96
22) cis-1,2-Dichloroethene	7.489	96	44480	18.511	ug/l	98
23) tert-Butyl Alcohol	5.518	59	35906	85.300	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	123597	18.955	ug/l	97
25) Chloroform	7.965	83	76660	19.398	ug/l	96
26) Cyclohexane	8.259	56	54535	16.710	ug/l #	93
29) 1,1-Dichloropropene	8.371	75	50637	18.634	ug/l	98
30) 2-Butanone	7.483	43	138621	95.810	ug/l	99
31) 2,2-Dichloropropane	7.494	77	63600	19.916	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	65560	18.875	ug/l	99
33) Carbon Tetrachloride	8.359	117	57400	19.075	ug/l	96
34) Benzene	8.606	78	164994	19.396	ug/l	94
35) Methacrylonitrile	7.783	41	31103	20.151	ug/l	93
36) 1,2-Dichloroethane	8.671	62	56308	19.859	ug/l	99
37) Trichloroethene	9.353	130	37076	18.928	ug/l	90
38) Methylcyclohexane	9.600	83	52858	17.708	ug/l	98
39) 1,2-Dichloropropane	9.618	63	40284	19.420	ug/l	98
40) Dibromomethane	9.706	93	28436	19.614	ug/l	98
41) Bromodichloromethane	9.888	83	60867	19.777	ug/l	95
42) Vinyl Acetate	6.606	43	461963	91.806	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	56698	19.870	ug/l	99
44) Isopropyl Acetate	8.688	43	89939	19.257	ug/l	99
45) 1,4-Dioxane	9.694	88	15697	372.838	ug/l	93
46) Methyl methacrylate	9.677	41	40776	18.070	ug/l	94
47) n-amyl Acetate	12.494	43	73332	17.653	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	59936	18.846	ug/l	97
49) cis-1,3-Dichloropropene	10.312	75	64905	19.473	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	38780	19.901	ug/l	97
51) Ethyl methacrylate	10.871	69	58469	18.165	ug/l	93
52) 1,3-Dichloropropane	11.159	76	67675	19.862	ug/l	100
53) Dibromochloromethane	11.359	129	46221	20.079	ug/l	98
54) 1,2-Dibromoethane	11.465	107	39075	19.481	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	139859	95.803	ug/l	99
56) Bromoform	12.576	173	29462	19.297	ug/l	96
58) 4-Methyl-2-Pentanone	10.441	43	270105	94.296	ug/l	100
59) 2-Hexanone	11.194	43	202276	95.032	ug/l	99
61) Tetrachloroethene	11.100	164	37964	21.827	ug/l	95
62) Toluene	10.629	91	178483	19.827	ug/l	97
64) Chlorobenzene	11.888	112	107366	19.166	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	38224	19.642	ug/l	97
66) Ethyl Benzene	11.965	91	180780	18.485	ug/l	97
67) m/p-Xylenes	12.071	106	142436	38.392	ug/l	99
68) o-Xylene	12.394	106	67457	18.863	ug/l	96
69) Styrene	12.412	104	116785	19.024	ug/l	98
70) Isopropylbenzene	12.694	105	170445	18.670	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	55355	19.600	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	53501m	22.119	ug/l	
73) Bromobenzene	12.976	156	43647	19.741	ug/l	98
74) n-propylbenzene	13.035	91	205943	18.930	ug/l	100
75) 2-Chlorotoluene	13.123	91	129158	19.105	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	148153	19.273	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	19875	19.229	ug/l	97
78) 4-Chlorotoluene	13.218	91	134127	19.515	ug/l	99
79) tert-butylbenzene	13.435	119	117975	17.990	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	148088	18.987	ug/l	100
81) sec-Butylbenzene	13.612	105	174069	19.279	ug/l	98
82) p-Isopropyltoluene	13.729	119	144384	18.999	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	81387	19.797	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	79847	19.559	ug/l	98
85) n-Butylbenzene	14.053	91	119942	18.223	ug/l	99
86) Hexachloroethane	14.329	117	27745	18.950	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	79467	19.993	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11340	19.635	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	38496	18.627	ug/l	98
90) Hexachlorobutadiene	15.500	225	18604	19.459	ug/l	99
91) Naphthalene	15.635	128	115738	16.527	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	38496	18.627	ug/l	98

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

