

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101824\
 Data File : VN084426.D
 Acq On : 18 Oct 2024 14:30
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 19 03:51:50 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	33969	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	166815	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	156989	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	77984	28.515	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.067%		
60) 4-Bromofluorobenzene	12.847	95	78412	30.264	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.867%		
63) Toluene-d8	10.565	98	220344	30.297	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.000%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	34112	16.448	ug/l	98
3) Chloromethane	2.359	50	41770	17.698	ug/l	95
4) Vinyl Chloride	2.512	62	41658	17.999	ug/l	97
5) Bromomethane	2.959	94	26160	17.060	ug/l	98
6) Chloroethane	3.124	64	26502	17.466	ug/l #	87
7) Trichlorofluoromethane	3.501	101	65340	17.332	ug/l	97
8) Diethyl Ether	3.959	74	24584	17.737	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	36676	17.302	ug/l	99
10) 1,1-Dichloroethene	4.342	96	35077	16.584	ug/l	91
11) Methyl Iodide	4.595	142	47949	17.251	ug/l	95
12) Methyl Acetate	5.024	43	50589	19.105	ug/l	95
13) Acrolein	4.177	56	32901m	66.888	ug/l	
14) Acrylonitrile	5.718	53	100611	84.575	ug/l	98
15) Acetone	4.436	58	26008	76.533	ug/l	97
16) Carbon Disulfide	4.712	76	98180	15.588	ug/l	100
17) Allyl chloride	5.024	41	53660	15.651	ug/l	92
18) Methylene Chloride	5.271	84	44795	18.800	ug/l	93
19) trans-1,2-Dichloroethene	5.789	96	38464	17.183	ug/l	89
20) Diisopropyl ether	6.671	45	138808	18.830	ug/l	95
21) 1,1-Dichloroethane	6.571	63	78709	18.608	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	46451	17.833	ug/l	99
23) tert-Butyl Alcohol	5.518	59	34069	74.662	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	126166	17.849	ug/l #	83
25) Chloroform	7.965	83	79969	18.667	ug/l	95
26) Cyclohexane	8.253	56	52986	14.977	ug/l #	94
29) 1,1-Dichloropropene	8.371	75	49771	18.175	ug/l	100
30) 2-Butanone	7.483	43	129363	88.727	ug/l	99
31) 2,2-Dichloropropane	7.489	77	59394	18.457	ug/l #	91
32) 1,1,1-Trichloroethane	8.165	97	69125	19.749	ug/l	98
33) Carbon Tetrachloride	8.365	117	57839	19.074	ug/l	97
34) Benzene	8.600	78	170446	19.884	ug/l	98
35) Methacrylonitrile	7.777	41	29689	19.087	ug/l	95
36) 1,2-Dichloroethane	8.671	62	59028	20.659	ug/l	98
37) Trichloroethene	9.353	130	39051	19.784	ug/l	99
38) Methylcyclohexane	9.600	83	49111	16.327	ug/l	96
39) 1,2-Dichloropropane	9.618	63	43018	20.579	ug/l	94
40) Dibromomethane	9.706	93	30939	21.177	ug/l	96
41) Bromodichloromethane	9.888	83	63996	20.634	ug/l	94
42) Vinyl Acetate	6.600	43	465676	91.836	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	49549	17.232	ug/l	99
44) Isopropyl Acetate	8.688	43	88583	18.822	ug/l	99
45) 1,4-Dioxane	9.694	88	16400	386.556	ug/l	96
46) Methyl methacrylate	9.683	41	40610	17.859	ug/l	95
47) n-amyl Acetate	12.494	43	75561	18.050	ug/l	99
48) t-1,3-Dichloropropene	10.835	75	59908	18.693	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	65750	19.575	ug/l	97
50) 1,1,2-Trichloroethane	11.018	97	41205	20.983	ug/l	99
51) Ethyl methacrylate	10.871	69	59163	18.240	ug/l	91
52) 1,3-Dichloropropane	11.159	76	70148	20.430	ug/l	99
53) Dibromochloromethane	11.359	129	47475	20.466	ug/l	98
54) 1,2-Dibromoethane	11.465	107	40152	19.864	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	153868	104.593	ug/l	98
56) Bromoform	12.576	173	30132	19.585	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	270495	92.494	ug/l	99
59) 2-Hexanone	11.194	43	195073	89.767	ug/l	100
61) Tetrachloroethene	11.100	164	37168	20.931	ug/l	96
62) Toluene	10.630	91	180613	19.652	ug/l	98
64) Chlorobenzene	11.888	112	110814	19.376	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	39586	19.924	ug/l	99
66) Ethyl Benzene	11.959	91	183813	18.409	ug/l	100
67) m/p-Xylenes	12.071	106	144389	38.119	ug/l	98
68) o-Xylene	12.394	106	70710	19.367	ug/l	93
69) Styrene	12.412	104	116412	18.574	ug/l	99
70) Isopropylbenzene	12.694	105	170039	18.243	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	55761	19.339	ug/l	97
72) 1,2,3-Trichloropropane	12.988	75	53723m	21.755	ug/l	
73) Bromobenzene	12.982	156	43870	19.435	ug/l	99
74) n-propylbenzene	13.035	91	202846	18.263	ug/l	99
75) 2-Chlorotoluene	13.123	91	129327	18.738	ug/l	99
76) 1,3,5-Trimethylbenzene	13.171	105	145801	18.578	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17924	16.986	ug/l	93
78) 4-Chlorotoluene	13.218	91	130950	18.661	ug/l	98
79) tert-butylbenzene	13.435	119	121284	18.115	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	147413	18.512	ug/l	99
81) sec-Butylbenzene	13.618	105	169210	18.357	ug/l	98
82) p-Isopropyltoluene	13.729	119	138873	17.899	ug/l	100
83) 1,3-Dichlorobenzene	13.729	146	80848	19.262	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	78710	18.885	ug/l	99
85) n-Butylbenzene	14.053	91	113733	16.925	ug/l	99
86) Hexachloroethane	14.335	117	27045	18.093	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	79107	19.494	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	10659	18.077	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	37378	17.715	ug/l	97
90) Hexachlorobutadiene	15.500	225	16710	17.119	ug/l	97
91) Naphthalene	15.641	128	114565	16.023	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	37378	17.715	ug/l	97

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

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