

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102522\
 Data File : VN075011.D
 Acq On : 25 Oct 2022 16:42
 Operator : JC\MD
 Sample : VN1025WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBSD01

Quant Time: Oct 27 10:26:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 27 10:19:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	15020	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	89304	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	81201	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	45280	32.970	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 109.900%	
60) 4-Bromofluorobenzene	12.853	95	48089	30.141	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.467%	
63) Toluene-d8	10.571	98	137505	30.277	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.933%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	15826	21.644	ug/l	99
3) Chloromethane	2.377	50	23381	24.309	ug/l	92
4) Vinyl Chloride	2.524	62	32436	22.302	ug/l	98
5) Bromomethane	2.942	94	26206	22.791	ug/l	98
6) Chloroethane	3.118	64	28357	25.278	ug/l	99
7) Trichlorofluoromethane	3.501	101	34787	22.227	ug/l	95
8) Diethyl Ether	3.971	74	14326	22.262	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.383	101	20616	22.471	ug/l	83
10) 1,1-Dichloroethene	4.348	96	18572	21.582	ug/l	97
11) Methyl Iodide	4.601	142	29452	21.938	ug/l	97
12) Methyl Acetate	5.042	43	33299	22.843	ug/l	96
13) Acrolein	4.195	56	17527	98.166	ug/l	99
14) Acrylonitrile	5.736	53	65686	109.067	ug/l	99
15) Acetone	4.448	58	20098	119.445	ug/l	88
16) Carbon Disulfide	4.718	76	39910	21.067	ug/l	98
17) Allyl chloride	5.036	41	25130	21.795	ug/l	93
18) Methylene Chloride	5.289	84	23841	22.114	ug/l #	90
19) trans-1,2-Dichloroethene	5.795	96	19734	20.627	ug/l	93
20) Diisopropyl ether	6.683	45	62550	20.901	ug/l	92
21) 1,1-Dichloroethane	6.577	63	39260	21.122	ug/l	99
22) cis-1,2-Dichloroethene	7.495	96	24882	20.584	ug/l	98
23) tert-Butyl Alcohol	5.542	59	32607	116.958	ug/l #	100
24) Methyl tert-Butyl Ether	5.806	73	74654	21.211	ug/l	93
25) Chloroform	7.977	83	42098	20.501	ug/l	99
26) Cyclohexane	8.265	56	31107	20.833	ug/l #	90
29) 1,1-Dichloropropene	8.371	75	28891	18.861	ug/l	97
30) 2-Butanone	7.495	43	92071	104.267	ug/l	97
31) 2,2-Dichloropropane	7.495	77	35449	18.945	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	38708	19.511	ug/l	98
33) Carbon Tetrachloride	8.371	117	32407	18.552	ug/l	97
34) Benzene	8.612	78	91850	19.613	ug/l #	94
35) Methacrylonitrile	7.789	41	17530	20.712	ug/l	92
36) 1,2-Dichloroethane	8.677	62	34443	19.849	ug/l	96
37) Trichloroethene	9.353	130	22395	19.244	ug/l	95
38) Methylcyclohexane	9.600	83	35913	18.908	ug/l	96
39) 1,2-Dichloropropane	9.624	63	23547	19.974	ug/l	98
40) Dibromomethane	9.712	93	18229	20.381	ug/l	95
41) Bromodichloromethane	9.889	83	33616	19.305	ug/l	99
42) Vinyl Acetate	6.618	43	245279	98.613	ug/l #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	37289	21.367	ug/l	100
44) Isopropyl Acetate	8.689	43	57125	20.407	ug/l	94
45) 1,4-Dioxane	9.694	88	14801	429.577	ug/l #	91
46) Methyl methacrylate	9.683	41	24555	19.554	ug/l	89
47) n-amyl Acetate	12.494	43	48309	20.089	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	35854	18.847	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	36900	18.455	ug/l	89
50) 1,1,2-Trichloroethane	11.018	97	25608	19.543	ug/l	98
51) Ethyl methacrylate	10.877	69	39751	19.470	ug/l	89
52) 1,3-Dichloropropane	11.165	76	44333	20.229	ug/l	99
53) Dibromochloromethane	11.365	129	25884	18.263	ug/l	98
54) 1,2-Dibromoethane	11.471	107	26856	19.810	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	79063	94.787	ug/l	98
56) Bromoform	12.577	173	17882	17.185	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	189089	107.959	ug/l	95
59) 2-Hexanone	11.200	43	147591	109.846	ug/l	96
61) Tetrachloroethene	11.106	164	17693	19.592	ug/l	93
62) Toluene	10.636	91	103658	19.717	ug/l	96
64) Chlorobenzene	11.894	112	64909	19.923	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.965	131	26010	20.899	ug/l	97
66) Ethyl Benzene	11.965	91	119249	20.126	ug/l	97
67) m/p-Xylenes	12.071	106	93440	39.322	ug/l	95
68) o-Xylene	12.400	106	46803	19.595	ug/l	97
69) Styrene	12.412	104	74021	18.950	ug/l	98
70) Isopropylbenzene	12.700	105	120376	19.342	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	42481	20.955	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	38755m	21.053	ug/l	
73) Bromobenzene	12.982	156	25434	18.361	ug/l	85
74) n-propylbenzene	13.041	91	135567	19.452	ug/l	99
75) 2-Chlorotoluene	13.130	91	83642	19.721	ug/l	98
76) 1,3,5-Trimethylbenzene	13.177	105	102654	19.472	ug/l	96
77) t-1,4-Dichloro-2-butene	12.735	75	13035	20.271	ug/l	93
78) 4-Chlorotoluene	13.224	91	80986	19.659	ug/l	98
79) tert-butylbenzene	13.441	119	91714	19.483	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	103005	19.207	ug/l #	81
81) sec-Butylbenzene	13.618	105	126215	19.073	ug/l	100
82) p-Isopropyltoluene	13.729	119	105345	18.870	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	51902	18.946	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	50257	19.016	ug/l	100
85) n-Butylbenzene	14.059	91	83408	18.627	ug/l	98
86) Hexachloroethane	14.335	117	19260	18.617	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	51158	18.880	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.718	75	8799	20.649	ug/l	98
89) 1,2,4-Trichlorobenzene	15.394	180	20950	17.505	ug/l	99
90) Hexachlorobutadiene	15.506	225	10574	19.211	ug/l	99
91) Naphthalene	15.641	128	86600	18.257	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	21959	18.125	ug/l	94

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

