

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074880.D
 Acq On : 12 Oct 2022 17:09
 Operator : JC\MD
 Sample : VN1012WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Quant Time: Oct 13 07:57:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/13/2022
 Supervised By : Mahesh Dadoda 10/14/2022

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

Internal Standards						
1) Bromochloromethane	7.830	128	75232m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	405511	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	379898	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	201897	28.665	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.567%		
60) 4-Bromofluorobenzene	12.847	95	189775	28.169	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.900%		
63) Toluene-d8	10.571	98	680857	31.053	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	103.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.148	85	81456	19.498	ug/l	88
3) Chloromethane	2.383	50	139456	20.640	ug/l	96
4) Vinyl Chloride	2.536	62	204906	20.595	ug/l	96
5) Bromomethane	2.954	94	152265	19.302	ug/l	89
6) Chloroethane	3.136	64	175785	23.559	ug/l	97
7) Trichlorofluoromethane	3.512	101	155712	20.994	ug/l	84
8) Diethyl Ether	3.983	74	71912	20.792	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.395	101	82714	17.721	ug/l	84
10) 1,1-Dichloroethene	4.354	96	93375	20.338	ug/l	95
11) Methyl Iodide	4.612	142	114199	19.926	ug/l	97
12) Methyl Acetate	5.048	43	213274	19.272	ug/l #	89
13) Acrolein	4.206	56	148304	94.848	ug/l	99
14) Acrylonitrile	5.748	53	415767	100.734	ug/l #	66
15) Acetone	4.454	58	109033	96.387	ug/l	99
16) Carbon Disulfide	4.730	76	233692m	19.812	ug/l	
17) Allyl chloride	5.042	41	168551	18.439	ug/l	94
18) Methylene Chloride	5.301	84	126676	21.277	ug/l	98
19) trans-1,2-Dichloroethene	5.806	96	102765	20.390	ug/l	88
20) Diisopropyl ether	6.695	45	404362	18.949	ug/l #	91
21) 1,1-Dichloroethane	6.589	63	226198	20.835	ug/l	99
22) cis-1,2-Dichloroethene	7.506	96	127521	20.205	ug/l #	88
23) tert-Butyl Alcohol	5.548	59	172246	99.042	ug/l #	100
24) Methyl tert-Butyl Ether	5.818	73	379869	19.811	ug/l	96
25) Chloroform	7.977	83	215588	19.998	ug/l	92
26) Cyclohexane	8.265	56	189922	19.916	ug/l #	99
29) 1,1-Dichloropropene	8.383	75	149982	20.498	ug/l	98
30) 2-Butanone	7.500	43	608101	104.165	ug/l #	97
31) 2,2-Dichloropropane	7.512	77	174762m	19.513	ug/l	
32) 1,1,1-Trichloroethane	8.177	97	187376	21.355	ug/l	99
33) Carbon Tetrachloride	8.365	117	146823	20.375	ug/l	94
34) Benzene	8.612	78	505086	20.884	ug/l #	91
35) Methacrylonitrile	7.794	41	116814	19.470	ug/l	91
36) 1,2-Dichloroethane	8.677	62	161814	20.091	ug/l	97
37) Trichloroethene	9.359	130	106661	21.206	ug/l	97
38) Methylcyclohexane	9.606	83	186372	20.967	ug/l	97
39) 1,2-Dichloropropane	9.624	63	137663	21.957	ug/l	92
40) Dibromomethane	9.712	93	86565	20.835	ug/l	97
41) Bromodichloromethane	9.894	83	169017	20.889	ug/l	100
42) Vinyl Acetate	6.624	43	1883833m	108.329	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	232127	20.451	ug/l	98
44) Isopropyl Acetate	8.694	43	364605	20.773	ug/l	97
45) 1,4-Dioxane	9.700	88	62749	389.869	ug/l	97
46) Methyl methacrylate	9.688	41	152664	20.083	ug/l	97
47) n-amyl Acetate	12.494	43	301868	19.656	ug/l	97
48) t-1,3-Dichloropropene	10.841	75	187021	20.146	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	197238	20.036	ug/l	93
50) 1,1,2-Trichloroethane	11.018	97	124645	20.387	ug/l #	89
51) Ethyl methacrylate	10.877	69	202870	19.513	ug/l	90
52) 1,3-Dichloropropane	11.165	76	223868	21.214	ug/l	99
53) Dibromochloromethane	11.365	129	121012	20.202	ug/l	94
54) 1,2-Dibromoethane	11.471	107	124989	21.278	ug/l	93
55) 2-Chloroethyl vinyl ether	10.165	63	375640	92.370	ug/l	98
56) Bromoform	12.576	173	83647	19.379	ug/l #	38
58) 4-Methyl-2-Pentanone	10.447	43	1225668	103.739	ug/l	97
59) 2-Hexanone	11.200	43	913595	100.475	ug/l	98
61) Tetrachloroethene	11.106	164	81913	20.225	ug/l	88
62) Toluene	10.635	91	546815	20.834	ug/l	100
64) Chlorobenzene	11.894	112	305713	20.492	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.965	131	113190	20.144	ug/l	96
66) Ethyl Benzene	11.965	91	571931	20.039	ug/l	100
67) m/p-Xylenes	12.077	106	445261	41.528	ug/l	93
68) o-Xylene	12.400	106	211323	19.390	ug/l	98
69) Styrene	12.412	104	339756	19.047	ug/l	99
70) Isopropylbenzene	12.700	105	557671	19.840	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	219260	20.853	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	188319m	21.319	ug/l	
73) Bromobenzene	12.982	156	109931	18.663	ug/l	96
74) n-propylbenzene	13.035	91	638566	19.485	ug/l	98
75) 2-Chlorotoluene	13.129	91	364406	19.007	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	456352	19.979	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	62850	17.125	ug/l	81
78) 4-Chlorotoluene	13.224	91	347145	18.974	ug/l	98
79) tert-butylbenzene	13.441	119	398209	19.598	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	437101	19.018	ug/l	98
81) sec-Butylbenzene	13.618	105	555209	19.013	ug/l	98
82) p-Isopropyltoluene	13.729	119	436007	18.791	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	214926	18.700	ug/l	98
84) 1,4-Dichlorobenzene	13.818	146	216249	19.588	ug/l	99
85) n-Butylbenzene	14.059	91	359617	17.559	ug/l	99
86) Hexachloroethane	14.335	117	89042	19.595	ug/l	96
87) 1,2-Dichlorobenzene	14.112	146	221320	19.394	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	38068	17.939	ug/l	92
89) 1,2,4-Trichlorobenzene	15.394	180	95462	18.316	ug/l	99
90) Hexachlorobutadiene	15.506	225	48633	19.138	ug/l	97
91) Naphthalene	15.641	128	390685	18.892	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	99825	18.309	ug/l	97

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

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