

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074874.D
 Acq On : 12 Oct 2022 13:18
 Operator : JC\MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101222

Quant Time: Oct 13 07:54:37 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	7.824	128	76808	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	455975	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	432798	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	228080	31.718	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.733%			
60) 4-Bromofluorobenzene	12.847	95	214052	27.889	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.967%			
63) Toluene-d8	10.570	98	761716	30.494	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.633%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	93181	21.847	ug/l	97
3) Chloromethane	2.383	50	155447	22.535	ug/l	96
4) Vinyl Chloride	2.536	62	210181	20.692	ug/l	91
5) Bromomethane	2.971	94	164539	20.430	ug/l	95
6) Chloroethane	3.136	64	154373	20.264	ug/l	92
7) Trichlorofluoromethane	3.512	101	162844	21.505	ug/l	91
8) Diethyl Ether	3.983	74	82184	23.274	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.389	101	111506m	23.400	ug/l	
10) 1,1-Dichloroethene	4.359	96	103951	22.177	ug/l	95
11) Methyl Iodide	4.618	142	120222	20.546	ug/l	94
12) Methyl Acetate	5.053	43	228769	20.248	ug/l	99
13) Acrolein	4.194	56	152135	95.302	ug/l	99
14) Acrylonitrile	5.741	53	433508	102.878	ug/l	94
15) Acetone	4.453	58	115580	100.078	ug/l	99
16) Carbon Disulfide	4.730	76	267407	22.205	ug/l	97
17) Allyl chloride	5.041	41	192280	20.603	ug/l	95
18) Methylene Chloride	5.294	84	139923	23.020	ug/l	93
19) trans-1,2-Dichloroethene	5.806	96	110400	21.455	ug/l	89
20) Diisopropyl ether	6.688	45	466062	21.393	ug/l	98
21) 1,1-Dichloroethane	6.588	63	240877	21.732	ug/l	97
22) cis-1,2-Dichloroethene	7.506	96	140528	21.809	ug/l	98
23) tert-Butyl Alcohol	5.559	59	171220m	96.432	ug/l	
24) Methyl tert-Butyl Ether	5.818	73	426304	21.776	ug/l	92
25) Chloroform	7.977	83	236670	21.503	ug/l	99
26) Cyclohexane	8.265	56	213296	21.908	ug/l #	97
29) 1,1-Dichloropropene	8.382	75	170789	20.759	ug/l	95
30) 2-Butanone	7.494	43	623865	95.038	ug/l	99
31) 2,2-Dichloropropane	7.500	77	199597	19.819	ug/l	99
32) 1,1,1-Trichloroethane	8.182	97	201676	20.441	ug/l	98
33) Carbon Tetrachloride	8.371	117	164129	20.256	ug/l	95
34) Benzene	8.612	78	567382m	20.863	ug/l	
35) Methacrylonitrile	7.794	41	118646	17.586	ug/l	95
36) 1,2-Dichloroethane	8.677	62	183385	20.249	ug/l	99
37) Trichloroethene	9.359	130	114167	20.186	ug/l	90
38) Methylcyclohexane	9.606	83	214023	21.413	ug/l	96
39) 1,2-Dichloropropane	9.629	63	145498	20.638	ug/l	97
40) Dibromomethane	9.712	93	93832	20.085	ug/l	96
41) Bromodichloromethane	9.894	83	180341	19.822	ug/l #	99
42) Vinyl Acetate	6.624	43	1875400	95.909	ug/l	100

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43) Ethyl Acetate	7.571	43	231652	18.150	ug/l	99
44) Isopropyl Acetate	8.694	43	406756	20.609	ug/l	97
45) 1,4-Dioxane	9.706	88	69575	384.439	ug/l	91
46) Methyl methacrylate	9.688	41	167119	19.551	ug/l	97
47) n-amyl Acetate	12.500	43	340419	19.713	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	215765	20.670	ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	224250	20.259	ug/l	89
50) 1,1,2-Trichloroethane	11.018	97	137302	19.972	ug/l	96
51) Ethyl methacrylate	10.876	69	232655	19.901	ug/l	96
52) 1,3-Dichloropropane	11.170	76	234356	19.750	ug/l	97
53) Dibromochloromethane	11.359	129	133134	19.766	ug/l	98
54) 1,2-Dibromoethane	11.470	107	134152	20.310	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	422176	92.324	ug/l	98
56) Bromoform	12.582	173	91760	18.905	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	1285711	95.520	ug/l	97
59) 2-Hexanone	11.200	43	967023	93.352	ug/l	97
61) Tetrachloroethene	11.106	164	90975	19.717	ug/l	89
62) Toluene	10.635	91	601844	20.128	ug/l	99
64) Chlorobenzene	11.894	112	347689	20.457	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.965	131	127933	19.985	ug/l	97
66) Ethyl Benzene	11.965	91	639191	19.659	ug/l	99
67) m/p-Xylenes	12.076	106	498888	40.843	ug/l	96
68) o-Xylene	12.400	106	247782	19.956	ug/l	95
69) Styrene	12.412	104	383821	18.887	ug/l	98
70) Isopropylbenzene	12.700	105	628468	19.626	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	224243	18.720	ug/l	96
72) 1,2,3-Trichloropropane	13.000	75	169405m	16.833	ug/l	
73) Bromobenzene	12.982	156	131994	19.670	ug/l	96
74) n-propylbenzene	13.035	91	737052	19.741	ug/l	98
75) 2-Chlorotoluene	13.129	91	434348	19.886	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	509096	19.564	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	73577	17.597	ug/l	85
78) 4-Chlorotoluene	13.223	91	411975	19.766	ug/l	99
79) tert-butylbenzene	13.441	119	443345	19.153	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	511139	19.521	ug/l	97
81) sec-Butylbenzene	13.617	105	658341	19.789	ug/l	96
82) p-Isopropyltoluene	13.729	119	509746	19.284	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	245841	18.775	ug/l	97
84) 1,4-Dichlorobenzene	13.811	146	254751	20.255	ug/l	96
85) n-Butylbenzene	14.059	91	451291	19.342	ug/l	98
86) Hexachloroethane	14.341	117	100868	19.484	ug/l	94
87) 1,2-Dichlorobenzene	14.111	146	251633	19.355	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.717	75	45939	19.002	ug/l	94
89) 1,2,4-Trichlorobenzene	15.394	180	112056	18.872	ug/l	93
90) Hexachlorobutadiene	15.505	225	58505	20.209	ug/l	98
91) Naphthalene	15.647	128	457457	19.417	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	114804	18.483	ug/l	95

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

Manual Integrations

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