

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072668.D
 Acq On : 06 Jun 2022 17:20
 Operator : JC\MD
 Sample : VN0606WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/07/2022
 Supervised By : Mahesh Dadoda 06/07/2022

Quant Time: Jun 07 06:27:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	38749	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	233784	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	210783	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	135351	30.628	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.100%			
60) 4-Bromofluorobenzene	12.727	95	123538	28.496	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.000%			
63) Toluene-d8	10.439	98	368321	31.544	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 105.133%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	58251	20.068	ug/l	99
3) Chloromethane	2.293	50	61213	19.393	ug/l	99
4) Vinyl Chloride	2.434	62	57593	20.235	ug/l	99
5) Bromomethane	2.846	94	28346	19.259	ug/l	96
6) Chloroethane	3.010	64	38269	20.166	ug/l	95
7) Trichlorofluoromethane	3.369	101	100974	19.624	ug/l	96
8) Diethyl Ether	3.816	74	41872	20.990	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.204	101	55772	20.576	ug/l	74
10) 1,1-Dichloroethene	4.181	96	52470	20.495	ug/l	90
11) Methyl Iodide	4.416	142	48411	18.887	ug/l	95
12) Methyl Acetate	4.851	43	112429	21.285	ug/l	95
13) Acrolein	4.040	56	47033	101.722	ug/l	100
14) Acrylonitrile	5.551	53	235787	109.511	ug/l	99
15) Acetone	4.281	58	63542	108.999	ug/l	100
16) Carbon Disulfide	4.528	76	120176	18.621	ug/l	100
17) Allyl chloride	4.840	41	115879	20.952	ug/l	94
18) Methylene Chloride	5.092	84	66862	20.799	ug/l	88
19) trans-1,2-Dichloroethene	5.598	96	55818	20.147	ug/l	93
20) Diisopropyl ether	6.492	45	233534	21.322	ug/l	93
21) 1,1-Dichloroethane	6.386	63	125876	20.685	ug/l	99
22) cis-1,2-Dichloroethene	7.328	96	71960	20.736	ug/l	89
23) tert-Butyl Alcohol	5.363	59	116161	115.934	ug/l #	100
24) Methyl tert-Butyl Ether	5.610	73	239740	21.056	ug/l	96
25) Chloroform	7.816	83	129265	20.679	ug/l	99
26) Cyclohexane	8.092	56	100657	19.839	ug/l #	94
29) 1,1-Dichloropropene	8.216	75	86830	19.484	ug/l	96
30) 2-Butanone	7.333	43	352206	109.206	ug/l	94
31) 2,2-Dichloropropane	7.316	77	117934	19.550	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	115875	19.872	ug/l	95
33) Carbon Tetrachloride	8.204	117	98126	19.514	ug/l	98
34) Benzene	8.457	78	268583	20.371	ug/l	97
35) Methacrylonitrile	7.633	41	69299	21.914	ug/l	92
36) 1,2-Dichloroethane	8.528	62	112037	20.114	ug/l	99
37) Trichloroethene	9.210	130	62065	19.527	ug/l	92
38) Methylcyclohexane	9.457	83	101723	19.120	ug/l	91
39) 1,2-Dichloropropane	9.486	63	76594	21.147	ug/l	98
40) Dibromomethane	9.575	93	50456	20.292	ug/l	94
41) Bromodichloromethane	9.757	83	107416	20.196	ug/l	99
42) Vinyl Acetate	6.428	43	1089754	103.789	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.404	43	132086	21.376	ug/l	97
44) Isopropyl Acetate	8.557	43	211798	20.663	ug/l	96
45) 1,4-Dioxane	9.569	88	38456	456.549	ug/l	92
46) Methyl methacrylate	9.557	41	91765	20.022	ug/l	86
47) n-amyl Acetate	12.386	43	152528	19.437	ug/l	98
48) t-1,3-Dichloropropene	10.716	75	118315	19.489	ug/l	99
49) cis-1,3-Dichloropropene	10.186	75	121601	19.725	ug/l	94
50) 1,1,2-Trichloroethane	10.898	97	71833	20.434	ug/l	97
51) Ethyl methacrylate	10.757	69	127977	20.098	ug/l	94
52) 1,3-Dichloropropane	11.039	76	128845	20.596	ug/l	98
53) Dibromochloromethane	11.233	129	76417	19.702	ug/l	100
54) 1,2-Dibromoethane	11.339	107	73652	19.926	ug/l	96
55) 2-Chloroethyl vinyl ether	10.039	63	226851	90.962	ug/l	98
56) Bromoform	12.457	173	51628	19.104	ug/l #	100
58) 4-Methyl-2-Pentanone	10.327	43	696618	110.187	ug/l	99
59) 2-Hexanone	11.080	43	526575	109.861	ug/l	99
61) Tetrachloroethene	10.974	164	54256	20.800	ug/l	93
62) Toluene	10.504	91	294962	20.638	ug/l	98
64) Chlorobenzene	11.769	112	177575	20.407	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.839	131	72053	21.003	ug/l	98
66) Ethyl Benzene	11.839	91	330993	20.172	ug/l	99
67) m/p-Xylenes	11.951	106	237702	39.716	ug/l	92
68) o-Xylene	12.280	106	121014	19.820	ug/l	92
69) Styrene	12.292	104	188768	19.476	ug/l	95
70) Isopropylbenzene	12.574	105	317966	19.930	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	112432	20.819	ug/l	99
72) 1,2,3-Trichloropropane	12.874	75	96118m	20.394	ug/l	
73) Bromobenzene	12.857	156	63448	19.563	ug/l	74
74) n-propylbenzene	12.915	91	355114	19.451	ug/l	98
75) 2-Chlorotoluene	13.004	91	227638	20.116	ug/l	92
76) 1,3,5-Trimethylbenzene	13.057	105	258614	19.749	ug/l	100
77) t-1,4-Dichloro-2-butene	12.621	75	38765	19.515	ug/l	94
78) 4-Chlorotoluene	13.104	91	197453	18.470	ug/l	94
79) tert-butylbenzene	13.321	119	230515	19.717	ug/l	96
80) 1,2,4-Trimethylbenzene	13.498	105	308836	19.560	ug/l	100
81) sec-Butylbenzene	13.498	105	308836	19.560	ug/l	98
82) p-Isopropyltoluene	13.615	119	243598	19.326	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	105912	18.654	ug/l	97
84) 1,4-Dichlorobenzene	13.692	146	105501	19.137	ug/l	96
85) n-Butylbenzene	13.939	91	195303	18.274	ug/l	96
86) Hexachloroethane	14.210	117	53667	19.241	ug/l	92
87) 1,2-Dichlorobenzene	13.986	146	112194	19.966	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.598	75	27207	20.092	ug/l	88
89) 1,2,4-Trichlorobenzene	15.262	180	50844	17.956	ug/l	100
90) Hexachlorobutadiene	15.368	225	23364	18.391	ug/l	96
91) Naphthalene	15.504	128	205188	18.161	ug/l	99
92) 1,2,3-Trichlorobenzene	15.698	180	53924	18.719	ug/l	97

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

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