

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
 Data File : VN066319.D
 Acq On : 24 Mar 2021 20:41
 Operator : JC/MD
 Sample : M1458-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 10:41:48 AM

Quant Time: Mar 25 06:21:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 06:20:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.110	128	78883	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.515	114	427569	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	354775	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	181911	30.00	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.00%			
60) 4-Bromofluorobenzene	12.348	95	155240	28.04	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.47%			
63) Toluene-d8	10.028	98	516549	31.02	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.818	85	19054	4.32	ug/l	96
3) Chloromethane	2.014	50	25643	4.62	ug/l	98
4) Vinyl Chloride	2.145	62	25507	4.38	ug/l	99
5) Bromomethane	2.518	94	20397	4.94	ug/l	96
6) Chloroethane	2.652	64	16172	4.33	ug/l	90
7) Trichlorofluoromethane	2.961	101	38016	4.52	ug/l	96
8) Diethyl Ether	3.341	74	12895	4.54	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.682	101	18117	4.40	ug/l	59
10) 1,1-Dichloroethene	3.663	96	17633	4.33	ug/l	93
11) Methyl Iodide	3.878	142	23863	4.07	ug/l	98
12) Methyl Acetate	4.240	43	28066	4.44	ug/l	91
13) Acrolein	3.535	56	19756	45.09	ug/l	96
14) Acrylonitrile	4.889	53	55839	21.41	ug/l	100
15) Acetone	3.741	58	15189	20.00	ug/l	92
16) Carbon Disulfide	3.974	76	48614	4.31	ug/l	97
17) Allyl chloride	4.237	41	31960	4.34	ug/l	94
18) Methylene Chloride	4.460	84	22101	4.54	ug/l	94
19) trans-1,2-Dichloroethene	4.937	96	20040m	4.47	ug/l	
20) Diisopropyl ether	5.854	45	69648	4.31	ug/l	92
21) 1,1-Dichloroethane	5.747	63	38856	4.44	ug/l	97
22) cis-1,2-Dichloroethene	6.734	96	23841	4.44	ug/l	94
23) tert-Butyl Alcohol	4.696	59	24706m	23.07	ug/l	
24) Methyl tert-Butyl Ether	4.940	73	71157m	4.58	ug/l	
25) Chloroform	7.287	83	38566	4.37	ug/l	92
26) Cyclohexane	7.576	56	33308	4.30	ug/l #	99
29) 1,1-Dichloropropene	7.716	75	27852	4.36	ug/l	98
30) 2-Butanone	6.742	43	77958	20.80	ug/l	98
31) 2,2-Dichloropropane	6.726	77	32496m	4.10	ug/l	
32) 1,1,1-Trichloroethane	7.488	97	33396	4.31	ug/l	96
33) Carbon Tetrachloride	7.697	117	28722	4.39	ug/l	95
34) Benzene	7.965	78	85807	4.40	ug/l #	64
35) Methacrylonitrile	7.094	41	15267m	4.82	ug/l	
36) 1,2-Dichloroethane	8.048	62	31485	4.41	ug/l	98
37) Trichloroethene	8.767	130	21934	4.32	ug/l	96
38) Methylcyclohexane	9.014	83	32018	4.05	ug/l	99
39) 1,2-Dichloropropane	9.051	63	22620	4.29	ug/l	99
40) Dibromomethane	9.143	93	15382	4.54	ug/l	96
41) Bromodichloromethane	9.336	83	30897	4.30	ug/l	94
42) Vinyl Acetate	5.795	43	299808	21.23	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.839	43	30229	4.19	ug/l #	100
44) Isopropyl Acetate	8.091	43	55987	4.34	ug/l #	100
45) 1,4-Dioxane	9.140	88	7115	86.54	ug/l #	83
46) Methyl methacrylate	9.137	41	24262	4.03	ug/l	97
48) t-1,3-Dichloropropene	10.323	75	32386	4.15	ug/l	97
49) cis-1,3-Dichloropropene	9.778	75	35568	4.24	ug/l	98
50) 1,1,2-Trichloroethane	10.502	97	20073	4.14	ug/l	98
51) Ethyl methacrylate	10.371	69	31175	4.10	ug/l	95
52) 1,3-Dichloropropane	10.650	76	34262	4.23	ug/l	99
53) Dibromochloromethane	10.843	129	22777	4.18	ug/l	97
54) 1,2-Dibromoethane	10.950	107	20462	4.10	ug/l	98
55) 2-Chloroethyl vinyl ether	9.633	63	20588	18.23	ug/l	96
56) Bromoform	12.074	173	15277	3.82	ug/l #	100
58) 4-Methyl-2-Pentanone	9.923	43	158889	22.35	ug/l	99
59) 2-Hexanone	10.695	43	91559	18.72	ug/l	98
61) Tetrachloroethene	10.572	164	22045	4.51	ug/l	99
62) Toluene	10.092	91	88088	4.48	ug/l	99
64) Chlorobenzene	11.374	112	49706	4.31	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.449	131	20719	4.58	ug/l	98
66) Ethyl Benzene	11.454	91	88789	4.20	ug/l	99
67) m/p-Xylenes	11.567	106	62402	7.94	ug/l	99
68) o-Xylene	11.892	106	32365	4.17	ug/l	99
69) Styrene	11.910	104	47319	3.81	ug/l	95
70) Isopropylbenzene	12.195	105	82575	4.04	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.452	83	28548	4.37	ug/l	96
72) 1,2,3-Trichloropropane	12.500	75	26685m	4.23	ug/l	
73) Bromobenzene	12.471	156	20397	4.05	ug/l	97
74) n-propylbenzene	12.535	91	87365	3.87	ug/l	99
75) 2-Chlorotoluene	12.621	91	53398	3.91	ug/l	99
76) 1,3,5-Trimethylbenzene	12.680	105	67857	4.04	ug/l	97
77) t-1,4-Dichloro-2-butene	12.254	75	5944	2.90	ug/l	84
78) 4-Chlorotoluene	12.720	91	47106	3.51	ug/l	96
79) tert-butylbenzene	12.938	119	59239	4.06	ug/l	99
80) 1,2,4-Trimethylbenzene	12.986	105	62685	3.85	ug/l	99
81) sec-Butylbenzene	13.117	105	71409	3.83	ug/l	97
82) p-Isopropyltoluene	13.235	119	62117	3.78	ug/l	99
83) 1,3-Dichlorobenzene	13.233	146	31412	3.81	ug/l	97
84) 1,4-Dichlorobenzene	13.313	146	29326	3.65	ug/l	97
85) n-Butylbenzene	13.562	91	49309	3.68	ug/l	99
86) Hexachloroethane	13.815	117	11955	3.94	ug/l	98
87) 1,2-Dichlorobenzene	13.600	146	34389	4.21	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.211	75	7751m	5.81	ug/l	
89) 1,2,4-Trichlorobenzene	14.855	180	20968m	4.02	ug/l	
90) Hexachlorobutadiene	14.946	225	11846	4.20	ug/l	97
91) Naphthalene	15.072	128	72107	4.55	ug/l	97
92) 1,2,3-Trichlorobenzene	15.252	180	22254	4.36	ug/l	97

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

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