

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN033021\
 Data File : VN066432.D
 Acq On : 30 Mar 2021 20:02
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 3/31/2021 1:37:35 PM

Quant Time: Mar 31 02:56:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 05:52:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.107	128	64535	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.515	114	340534	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	308300	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.947	65	146038	29.44	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.13%	
60) 4-Bromofluorobenzene	12.345	95	139081	28.91	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	96.37%	
63) Toluene-d8	10.028	98	437085	30.21	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.70%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.816	85	67263	18.64	ug/l	99
3) Chloromethane	2.014	50	89298	19.68	ug/l	97
4) Vinyl Chloride	2.143	62	98554	20.66	ug/l	100
5) Bromomethane	2.508	94	58509	17.34	ug/l	94
6) Chloroethane	2.650	64	52457	17.18	ug/l	97
7) Trichlorofluoromethane	2.966	101	113712	16.53	ug/l	99
8) Diethyl Ether	3.342	74	43720	18.82	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.693	101	65563	19.48	ug/l	98
10) 1,1-Dichloroethene	3.669	96	64809	19.44	ug/l	91
11) Methyl Iodide	3.878	142	91467	19.08	ug/l	99
12) Methyl Acetate	4.229	43	107024	20.69	ug/l	99
13) Acrolein	3.532	56	29224	91.99	ug/l	91
14) Acrylonitrile	4.876	53	206298	96.68	ug/l	99
15) Acetone	3.731	58	53173	85.58	ug/l	100
16) Carbon Disulfide	3.980	76	168556	18.26	ug/l	99
17) Allyl chloride	4.235	41	106333	17.66	ug/l	97
18) Methylene Chloride	4.457	84	81602	20.49	ug/l	96
19) trans-1,2-Dichloroethene	4.940	96	69959	19.09	ug/l	95
20) Diisopropyl ether	5.855	45	261415	19.78	ug/l	97
21) 1,1-Dichloroethane	5.750	63	141716	19.81	ug/l	99
22) cis-1,2-Dichloroethene	6.737	96	85045	19.38	ug/l	99
23) tert-Butyl Alcohol	4.664	59	76904	87.79	ug/l #	100
24) Methyl tert-Butyl Ether	4.935	73	239152	18.81	ug/l	97
25) Chloroform	7.289	83	142861	19.77	ug/l	98
26) Cyclohexane	7.574	56	115550	18.21	ug/l #	99
29) 1,1-Dichloropropene	7.713	75	98862	19.41	ug/l	100
30) 2-Butanone	6.732	43	278219	93.21	ug/l	99
31) 2,2-Dichloropropane	6.729	77	118111	18.72	ug/l	100
32) 1,1,1-Trichloroethane	7.491	97	122926	19.91	ug/l	99
33) Carbon Tetrachloride	7.694	117	99854	19.16	ug/l	91
34) Benzene	7.965	78	325399	20.96	ug/l	99
35) Methacrylonitrile	7.083	41	50150	19.86	ug/l	93
36) 1,2-Dichloroethane	8.046	62	111005	19.52	ug/l	99
37) Trichloroethene	8.767	130	77350	19.11	ug/l	98
38) Methylcyclohexane	9.014	83	114320	18.14	ug/l	98
39) 1,2-Dichloropropane	9.049	63	86846	20.68	ug/l	99
40) Dibromomethane	9.140	93	53992	19.99	ug/l	100
41) Bromodichloromethane	9.336	83	111531	19.51	ug/l	100
42) Vinyl Acetate	5.793	43	1064217	94.60	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.828	43	116383	20.25	ug/l #	100
44) Isopropyl Acetate	8.089	43	191625	18.67	ug/l #	100
45) 1,4-Dioxane	9.132	88	24953	381.06	ug/l	93
46) Methyl methacrylate	9.132	41	79844	16.65	ug/l	94
47) n-amyl Acetate	12.026	43	66575	15.43	ug/l #	73
48) t-1,3-Dichloropropene	10.323	75	114768	18.48	ug/l	97
49) cis-1,3-Dichloropropene	9.776	75	127592	19.11	ug/l	95
50) 1,1,2-Trichloroethane	10.502	97	80906	20.93	ug/l	99
51) Ethyl methacrylate	10.371	69	104259	17.23	ug/l	98
52) 1,3-Dichloropropane	10.647	76	130282	20.21	ug/l	99
53) Dibromochloromethane	10.840	129	84220	19.39	ug/l	99
54) 1,2-Dibromoethane	10.948	107	78748	19.79	ug/l	99
55) 2-Chloroethyl vinyl ether	9.634	63	68979	76.68	ug/l	99
56) Bromoform	12.071	173	61022	19.15	ug/l #	99
58) 4-Methyl-2-Pentanone	9.918	43	576923	93.40	ug/l	99
59) 2-Hexanone	10.696	43	345617	81.31	ug/l	99
61) Tetrachloroethene	10.572	164	79695	18.77	ug/l	98
62) Toluene	10.092	91	334613	19.60	ug/l	100
64) Chlorobenzene	11.374	112	200482	19.99	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.449	131	78609	19.98	ug/l	99
66) Ethyl Benzene	11.455	91	358643	19.51	ug/l	97
67) m/p-Xylenes	11.565	106	266896	39.06	ug/l	97
68) o-Xylene	11.892	106	129111	19.15	ug/l	99
69) Styrene	11.908	104	203109	18.80	ug/l	99
70) Isopropylbenzene	12.192	105	341787	19.26	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.447	83	121796	21.43	ug/l	99
72) 1,2,3-Trichloropropane	12.498	75	108329m	19.75	ug/l	
73) Bromobenzene	12.468	156	87083	19.91	ug/l	99
74) n-propylbenzene	12.535	91	382992	19.52	ug/l	100
75) 2-Chlorotoluene	12.616	91	234794	19.77	ug/l	100
76) 1,3,5-Trimethylbenzene	12.678	105	280066	19.18	ug/l	99
77) t-1,4-Dichloro-2-butene	12.246	75	32492	18.26	ug/l	89
78) 4-Chlorotoluene	12.718	91	228381	19.60	ug/l	100
79) tert-butylbenzene	12.938	119	243857	19.21	ug/l	98
80) 1,2,4-Trimethylbenzene	12.983	105	262704	18.54	ug/l	98
81) sec-Butylbenzene	13.115	105	310179	19.14	ug/l	100
82) p-Isopropyltoluene	13.233	119	264529	18.53	ug/l	100
83) 1,3-Dichlorobenzene	13.227	146	141588	19.74	ug/l	99
84) 1,4-Dichlorobenzene	13.308	146	134016	19.20	ug/l	99
85) n-Butylbenzene	13.560	91	208778	17.93	ug/l	100
86) Hexachloroethane	13.815	117	52465	19.91	ug/l	98
87) 1,2-Dichlorobenzene	13.597	146	141185	19.90	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.214	75	21266	18.34	ug/l	99
89) 1,2,4-Trichlorobenzene	14.850	180	81092	17.91	ug/l	97
90) Hexachlorobutadiene	14.947	225	47445	19.34	ug/l	99
91) Naphthalene	15.070	128	228749	16.59	ug/l	99
92) 1,2,3-Trichlorobenzene	15.250	180	76804	17.32	ug/l	99

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

