

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031221\
 Data File : VN066177.D
 Acq On : 12 Mar 2021 10:19
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 12:41:17 PM

Quant Time: Mar 12 11:05:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 12 11:03:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.587	168	338315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	567819	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	519509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	244844	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.952	65	99434	19.04	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	38.08%#		
35) Dibromofluoromethane	7.512	113	67577	18.18	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	36.36%#		
50) Toluene-d8	10.028	98	269349	17.00	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	34.00%#		
62) 4-Bromofluorobenzene	12.345	95	95446	17.11	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	34.22%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.821	85	69298	18.61	ug/l	98
3) Chloromethane	2.017	50	110755	19.21	ug/l	99
4) Vinyl Chloride	2.148	62	97135	18.75	ug/l	96
5) Bromomethane	2.524	94	53125	18.88	ug/l	98
6) Chloroethane	2.658	64	54847	18.66	ug/l	100
7) Trichlorofluoromethane	2.966	101	116237	18.82	ug/l	99
8) Diethyl Ether	3.347	74	44469	19.29	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.682	101	59890	18.82	ug/l	100
10) Methyl Iodide	3.870	142	75732	17.74	ug/l	99
11) Tert butyl alcohol	4.734	59	83983	97.57	ug/l #	80
12) 1,1-Dichloroethene	3.661	96	61245	19.56	ug/l	97
13) Acrolein	3.535	56	96238	99.32	ug/l	100
14) Allyl chloride	4.232	41	169969	18.72	ug/l	98
15) Acrylonitrile	4.889	53	243984	91.13	ug/l	99
16) Acetone	3.749	43	252127	104.25	ug/l	99
17) Carbon Disulfide	3.969	76	179885	18.64	ug/l	97
18) Methyl Acetate	4.243	43	140032	18.87	ug/l	100
19) Methyl tert-butyl Ether	4.948	73	239105	17.96	ug/l	100
20) Methylene Chloride	4.457	84	73923	18.44	ug/l	94
21) trans-1,2-Dichloroethene	4.940	96	68976	19.03	ug/l	98
22) Diisopropyl ether	5.860	45	320927	18.10	ug/l	98
23) Vinyl Acetate	5.798	43	1359690	88.90	ug/l	100
24) 1,1-Dichloroethane	5.745	63	159755	19.04	ug/l	99
25) 2-Butanone	6.753	43	381359	91.01	ug/l	100
26) 2,2-Dichloropropane	6.732	77	133421	19.13	ug/l	98
27) cis-1,2-Dichloroethene	6.737	96	81670	18.41	ug/l	97
28) Bromochloromethane	7.107	49	86918	19.02	ug/l	99
29) Tetrahydrofuran	7.134	42	257611	88.57	ug/l	99
30) Chloroform	7.290	83	142336	17.99	ug/l	99
31) Cyclohexane	7.574	56	142571	18.26	ug/l	97
32) 1,1,1-Trichloroethane	7.488	97	122739	18.36	ug/l	100
36) 1,1-Dichloropropene	7.711	75	101700	16.25	ug/l	97
37) Ethyl Acetate	6.844	43	152177	16.75	ug/l	100
38) Carbon Tetrachloride	7.692	117	98233	16.85	ug/l	98
39) Methylcyclohexane	9.014	83	120531	17.03	ug/l	97
40) Benzene	7.965	78	320827	16.68	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.086	41	67574	14.12	ug/l #	91
42) 1,2-Dichloroethane	8.051	62	120862	16.72	ug/l	99
43) Isopropyl Acetate	8.094	43	248800	16.52	ug/l	99
44) Trichloroethene	8.767	130	82254	18.06	ug/l	99
45) 1,2-Dichloropropane	9.052	63	102993	17.76	ug/l	96
46) Dibromomethane	9.143	93	56019	17.55	ug/l	99
47) Bromodichloromethane	9.339	83	119792	16.41	ug/l	99
48) Methyl methacrylate	9.137	41	120860	16.85	ug/l	99
49) 1,4-Dioxane	9.145	88	25193	375.11	ug/l	98
51) 4-Methyl-2-Pentanone	9.923	43	829142	81.84	ug/l	99
52) Toluene	10.095	92	194036	15.97	ug/l	100
53) t-1,3-Dichloropropene	10.323	75	134655	16.22	ug/l	99
54) cis-1,3-Dichloropropene	9.778	75	144458	15.94	ug/l	98
55) 1,1,2-Trichloroethane	10.503	97	80765	16.75	ug/l	95
56) Ethyl methacrylate	10.371	69	121641	15.02	ug/l	99
57) 1,3-Dichloropropane	10.647	76	142500	16.06	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.634	63	200008	80.33	ug/l	99
59) 2-Hexanone	10.693	43	583804	79.97	ug/l	98
60) Dibromochloromethane	10.843	129	80138	15.92	ug/l	100
61) 1,2-Dibromoethane	10.945	107	77789	16.03	ug/l	98
64) Tetrachloroethene	10.572	164	88479	18.57	ug/l	94
65) Chlorobenzene	11.374	112	193172	17.44	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.449	131	74449	17.39	ug/l	98
67) Ethyl Benzene	11.455	91	356156	16.76	ug/l	100
68) m/p-Xylenes	11.565	106	261141	34.15	ug/l	99
69) o-Xylene	11.892	106	128436	17.67	ug/l	99
70) Styrene	11.908	104	214570	17.46	ug/l	99
71) Bromoform	12.069	173	60636	17.99	ug/l #	100
73) Isopropylbenzene	12.192	105	339826	17.37	ug/l	99
74) N-amyl acetate	12.015	43	146335	14.86	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.447	83	122890	18.54	ug/l	99
76) 1,2,3-Trichloropropane	12.498	75	116348m	18.65	ug/l	
77) Bromobenzene	12.468	156	86171	18.30	ug/l	98
78) n-propylbenzene	12.535	91	397404	17.24	ug/l	99
79) 2-Chlorotoluene	12.619	91	242079	17.76	ug/l	99
80) 1,3,5-Trimethylbenzene	12.678	105	289316	17.76	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.243	75	39062	17.15	ug/l	98
82) 4-Chlorotoluene	12.718	91	240340	17.17	ug/l	99
83) tert-Butylbenzene	12.938	119	235998	17.22	ug/l	97
84) 1,2,4-Trimethylbenzene	12.983	105	277606	16.83	ug/l	99
85) sec-Butylbenzene	13.115	105	319638	17.27	ug/l	100
86) p-Isopropyltoluene	13.233	119	282845	17.23	ug/l	99
87) 1,3-Dichlorobenzene	13.227	146	147647	17.96	ug/l	97
88) 1,4-Dichlorobenzene	13.305	146	138345	17.25	ug/l	100
89) n-Butylbenzene	13.560	91	235258	16.33	ug/l	99
90) Hexachloroethane	13.817	117	41060	16.47	ug/l	99
91) 1,2-Dichlorobenzene	13.598	146	147415	17.64	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.212	75	27123	18.55	ug/l	95
93) 1,2,4-Trichlorobenzene	14.850	180	79541	16.21	ug/l	98
94) Hexachlorobutadiene	14.949	225	49746	18.48	ug/l	99
95) Naphthalene	15.070	128	242634	16.70	ug/l	99
96) 1,2,3-Trichlorobenzene	15.247	180	86917	17.43	ug/l	98

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

