

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031221\
 Data File : VN066182.D
 Acq On : 12 Mar 2021 12:19
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 12:41:24 PM

Quant Time: Mar 12 12:40:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 12 12:06:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.584	168	389792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	618563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	570002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	261207	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	109785	18.25	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	36.50%#		
35) Dibromofluoromethane	7.507	113	74501	18.40	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	36.80%#		
50) Toluene-d8	10.028	98	285529	16.54	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	33.08%#		
62) 4-Bromofluorobenzene	12.345	95	102236	16.83	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	33.66%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.818	85	70998	16.55	ug/l	98
3) Chloromethane	2.019	50	116810	17.58	ug/l	98
4) Vinyl Chloride	2.148	62	100380	16.82	ug/l	98
5) Bromomethane	2.521	94	60929	18.79	ug/l	92
6) Chloroethane	2.658	64	58906	17.40	ug/l	98
7) Trichlorofluoromethane	2.966	101	119034	16.73	ug/l	99
8) Diethyl Ether	3.344	74	47032	17.70	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.679	101	60739	16.57	ug/l #	86
10) Methyl Iodide	3.870	142	75984	15.45	ug/l	97
11) Tert butyl alcohol	4.699	59	88326	89.06	ug/l #	86
12) 1,1-Dichloroethene	3.663	96	60201	16.69	ug/l	92
13) Acrolein	3.532	56	94918	85.02	ug/l	97
14) Allyl chloride	4.229	41	175807	16.80	ug/l	99
15) Acrylonitrile	4.884	53	255337	82.78	ug/l	99
16) Acetone	3.738	43	282189	101.28	ug/l	100
17) Carbon Disulfide	3.966	76	197030	17.72	ug/l	98
18) Methyl Acetate	4.235	43	139966	16.37	ug/l	99
19) Methyl tert-butyl Ether	4.945	73	248358	16.19	ug/l	98
20) Methylene Chloride	4.457	84	79966	17.31	ug/l	95
21) trans-1,2-Dichloroethene	4.937	96	71343	17.08	ug/l	96
22) Diisopropyl ether	5.860	45	379207	18.56	ug/l	100
23) Vinyl Acetate	5.796	43	1571550	89.18	ug/l	98
24) 1,1-Dichloroethane	5.747	63	178696	18.49	ug/l	98
25) 2-Butanone	6.742	43	440432	91.23	ug/l	99
26) 2,2-Dichloropropane	6.726	77	147356	18.33	ug/l	98
27) cis-1,2-Dichloroethene	6.732	96	93802	18.35	ug/l	97
28) Bromochloromethane	7.107	49	93743	17.81	ug/l	100
29) Tetrahydrofuran	7.123	42	285817	85.29	ug/l	99
30) Chloroform	7.287	83	163764	17.97	ug/l	96
31) Cyclohexane	7.571	56	167006	18.56	ug/l	95
32) 1,1,1-Trichloroethane	7.485	97	138603	17.99	ug/l	100
36) 1,1-Dichloropropene	7.710	75	123208	18.07	ug/l	98
37) Ethyl Acetate	6.841	43	168580	17.03	ug/l #	95
38) Carbon Tetrachloride	7.692	117	111724	17.60	ug/l	98
39) Methylcyclohexane	9.014	83	135130	17.52	ug/l	96
40) Benzene	7.963	78	373257	17.82	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.083	41	80087	15.36	ug/l	94
42) 1,2-Dichloroethane	8.048	62	139590	17.72	ug/l	99
43) Isopropyl Acetate	8.091	43	276543	16.85	ug/l	100
44) Trichloroethene	8.764	130	90622	18.27	ug/l	98
45) 1,2-Dichloropropane	9.051	63	110814	17.54	ug/l	97
46) Dibromomethane	9.143	93	61015	17.55	ug/l	99
47) Bromodichloromethane	9.338	83	126772	15.94	ug/l	96
48) Methyl methacrylate	9.132	41	130519	16.70	ug/l	99
49) 1,4-Dioxane	9.135	88	29222	399.40	ug/l	93
51) 4-Methyl-2-Pentanone	9.920	43	860331	77.95	ug/l	99
52) Toluene	10.092	92	213017	16.10	ug/l	99
53) t-1,3-Dichloropropene	10.320	75	147800	16.34	ug/l	98
54) cis-1,3-Dichloropropene	9.776	75	162668	16.48	ug/l	99
55) 1,1,2-Trichloroethane	10.502	97	85482	16.27	ug/l	96
56) Ethyl methacrylate	10.371	69	132490	15.02	ug/l	99
57) 1,3-Dichloropropane	10.647	76	157441	16.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.631	63	206173	76.01	ug/l	98
59) 2-Hexanone	10.693	43	620737	78.06	ug/l	99
60) Dibromochloromethane	10.843	129	91421	16.67	ug/l	96
61) 1,2-Dibromoethane	10.948	107	87040	16.47	ug/l	98
64) Tetrachloroethene	10.569	164	93176	17.82	ug/l	92
65) Chlorobenzene	11.374	112	218748	18.00	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.449	131	83866	17.86	ug/l	97
67) Ethyl Benzene	11.452	91	405093	17.38	ug/l	98
68) m/p-Xylenes	11.564	106	296656	35.36	ug/l	100
69) o-Xylene	11.889	106	141975	17.80	ug/l	99
70) Styrene	11.908	104	236150	17.51	ug/l	98
71) Bromoform	12.069	173	64380	17.41	ug/l #	100
73) Isopropylbenzene	12.192	105	375060	17.97	ug/l	100
74) N-amyl acetate	12.015	43	161072	15.33	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.447	83	132389	18.72	ug/l	97
76) 1,2,3-Trichloropropane	12.498	75	119559m	17.96	ug/l	
77) Bromobenzene	12.468	156	94780	18.86	ug/l	96
78) n-propylbenzene	12.535	91	435945	17.73	ug/l	100
79) 2-Chlorotoluene	12.616	91	272138	18.72	ug/l	99
80) 1,3,5-Trimethylbenzene	12.677	105	316207	18.19	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.246	75	39185	16.12	ug/l	99
82) 4-Chlorotoluene	12.718	91	274072	18.35	ug/l	99
83) tert-Butylbenzene	12.935	119	262564	17.96	ug/l	99
84) 1,2,4-Trimethylbenzene	12.983	105	312118	17.74	ug/l	97
85) sec-Butylbenzene	13.115	105	355235	17.99	ug/l	99
86) p-Isopropyltoluene	13.233	119	314731	17.97	ug/l	99
87) 1,3-Dichlorobenzene	13.227	146	164267	18.73	ug/l	99
88) 1,4-Dichlorobenzene	13.308	146	159384	18.63	ug/l	99
89) n-Butylbenzene	13.557	91	270382	17.59	ug/l	99
90) Hexachloroethane	13.815	117	47395	17.82	ug/l	100
91) 1,2-Dichlorobenzene	13.597	146	157097	17.63	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.214	75	24693	15.83	ug/l	98
93) 1,2,4-Trichlorobenzene	14.850	180	86158	16.46	ug/l	99
94) Hexachlorobutadiene	14.949	225	54221	18.88	ug/l	97
95) Naphthalene	15.070	128	268236	17.30	ug/l	99
96) 1,2,3-Trichlorobenzene	15.249	180	90520	17.01	ug/l	100

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

