

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021721\
 Data File : VN065898.D
 Acq On : 17 Feb 2021 14:08
 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

SAM
 2/18/2021 10:19:34 AM

Quant Time: Feb 17 15:01:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 17 14:59:43 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.627	168	166651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	285267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	262462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	113879	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	45489	19.72	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	39.44%#		
35) Dibromofluoromethane	7.553	113	34956	20.35	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	40.70%#		
50) Toluene-d8	10.058	98	140575	20.00	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	40.00%#		
62) 4-Bromofluorobenzene	12.370	95	50076	19.70	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	39.40%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.849	85	46849	21.88	ug/l	97
3) Chloromethane	2.052	50	56431	21.17	ug/l	97
4) Vinyl Chloride	2.177	62	56278	21.88	ug/l	100
5) Bromomethane	2.547	94	33983	19.31	ug/l	97
6) Chloroethane	2.689	64	31437	21.17	ug/l	100
7) Trichlorofluoromethane	3.000	101	70827	21.26	ug/l	98
8) Diethyl Ether	3.386	74	25923	21.50	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.724	101	38990	22.37	ug/l	97
10) Methyl Iodide	3.914	142	58470	21.88	ug/l	98
11) Tert butyl alcohol	4.775	59	34282	152.49	ug/l	98
12) 1,1-Dichloroethene	3.705	96	39913	21.42	ug/l	96
13) Acrolein	3.579	56	29863	108.02	ug/l	100
14) Allyl chloride	4.280	41	66377	21.09	ug/l	93
15) Acrylonitrile	4.946	53	98283	143.60	ug/l	99
16) Acetone	3.791	43	76326	87.90	ug/l	97
17) Carbon Disulfide	4.010	76	109308	21.07	ug/l	99
18) Methyl Acetate	4.293	43	39744	20.77	ug/l	99
19) Methyl tert-butyl Ether	5.010	73	125611	21.17	ug/l	98
20) Methylene Chloride	4.508	84	44102	20.16	ug/l	99
21) trans-1,2-Dichloroethene	4.994	96	41905	25.24	ug/l	93
22) Diisopropyl ether	5.917	45	135968	21.61	ug/l	99
23) Vinyl Acetate	5.856	43	539232	114.14	ug/l	100
24) 1,1-Dichloroethane	5.804	63	78552	21.54	ug/l	99
25) 2-Butanone	6.801	43	122879	111.69	ug/l	96
26) 2,2-Dichloropropane	6.778	77	59690	24.93	ug/l	97
27) cis-1,2-Dichloroethene	6.785	96	46982	26.13	ug/l	94
28) Bromochloromethane	7.151	49	34436	24.83	ug/l	90
29) Tetrahydrofuran	7.180	42	84146	108.71	ug/l	97
30) Chloroform	7.331	83	77426	21.61	ug/l	97
31) Cyclohexane	7.614	56	71906	15.95	ug/l	92
32) 1,1,1-Trichloroethane	7.531	97	64720	21.69	ug/l	99
36) 1,1-Dichloropropene	7.753	75	59235	21.48	ug/l	98
37) Ethyl Acetate	6.897	43	51874	20.81	ug/l	97
38) Carbon Tetrachloride	7.733	117	55318	21.62	ug/l	98
39) Methylcyclohexane	9.045	83	66465	21.18	ug/l	95
40) Benzene	8.003	78	181837	21.20	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.132	41	24252	24.32	ug/l #	100
42) 1,2-Dichloroethane	8.087	62	61713	22.46	ug/l	99
43) Isopropyl Acetate	8.132	43	86717	22.77	ug/l #	92
44) Trichloroethene	8.801	130	46551	22.56	ug/l	97
45) 1,2-Dichloropropane	9.084	63	47328	22.02	ug/l	100
46) Dibromomethane	9.174	93	29248	22.65	ug/l	92
47) Bromodichloromethane	9.370	83	58032	22.42	ug/l	97
48) Methyl methacrylate	9.167	41	43000	21.82	ug/l	94
49) 1,4-Dioxane	9.171	88	15593	543.99	ug/l	93
51) 4-Methyl-2-Pentanone	9.952	43	263939	113.08	ug/l	100
52) Toluene	10.122	92	110408	21.43	ug/l	99
53) t-1,3-Dichloropropene	10.351	75	65689	24.48	ug/l	96
54) cis-1,3-Dichloropropene	9.807	75	72855	23.30	ug/l	98
55) 1,1,2-Trichloroethane	10.531	97	42637	22.54	ug/l	99
56) Ethyl methacrylate	10.399	69	63886	23.69	ug/l	95
57) 1,3-Dichloropropane	10.675	76	73886	22.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.663	63	152535	118.03	ug/l	97
59) 2-Hexanone	10.720	43	185689	116.04	ug/l	99
60) Dibromochloromethane	10.871	129	42302	22.94	ug/l	99
61) 1,2-Dibromoethane	10.974	107	43015	22.89	ug/l	99
64) Tetrachloroethene	10.601	164	43642	20.96	ug/l	96
65) Chlorobenzene	11.402	112	115907	21.60	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.479	131	40077	22.31	ug/l	97
67) Ethyl Benzene	11.479	91	211605	21.92	ug/l	97
68) m/p-Xylenes	11.592	106	159351	44.77	ug/l	98
69) o-Xylene	11.916	106	75802	22.07	ug/l	94
70) Styrene	11.933	104	126238	23.32	ug/l	97
71) Bromoform	12.097	173	26741	23.53	ug/l #	100
73) Isopropylbenzene	12.219	105	198725	20.67	ug/l	100
74) N-amyl acetate	12.042	43	72865	24.83	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.473	83	57807	20.40	ug/l	96
76) 1,2,3-Trichloropropane	12.524	75	61155m	18.06	ug/l	
77) Bromobenzene	12.495	156	45489	21.24	ug/l	84
78) n-propylbenzene	12.563	91	225883	21.07	ug/l	98
79) 2-Chlorotoluene	12.643	91	139874	20.37	ug/l	97
80) 1,3,5-Trimethylbenzene	12.701	105	170253	21.31	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.270	75	18073	27.40	ug/l	97
82) 4-Chlorotoluene	12.743	91	141119	20.95	ug/l	96
83) tert-Butylbenzene	12.965	119	140026	21.18	ug/l	100
84) 1,2,4-Trimethylbenzene	13.010	105	170104	21.35	ug/l	100
85) sec-Butylbenzene	13.142	105	183027	21.56	ug/l	99
86) p-Isopropyltoluene	13.257	119	164719	21.51	ug/l	98
87) 1,3-Dichlorobenzene	13.254	146	81002	21.92	ug/l	97
88) 1,4-Dichlorobenzene	13.334	146	80622	21.67	ug/l	96
89) n-Butylbenzene	13.585	91	139238	22.14	ug/l	98
90) Hexachloroethane	13.842	117	26855	20.92	ug/l	94
91) 1,2-Dichlorobenzene	13.624	146	82811	22.18	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.241	75	11069	27.17	ug/l	85
93) 1,2,4-Trichlorobenzene	14.878	180	38745	29.93	ug/l	99
94) Hexachlorobutadiene	14.974	225	18988	21.32	ug/l	97
95) Naphthalene	15.100	128	118627	27.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.280	180	38532	25.55	ug/l	98

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

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