

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021721\
 Data File : VN065897.D
 Acq On : 17 Feb 2021 13:41
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

SAM
 2/18/2021 10:18:42 AM

Quant Time: Feb 17 15:00:50 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	7.624	168	158231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.547	114	271703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	248598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.312	152	99898	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	10882	4.97	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	9.94%#		
35) Dibromofluoromethane	7.547	113	8128	4.97	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	9.94%#		
50) Toluene-d8	10.055	98	33273	4.97	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	9.94%#		
62) 4-Bromofluorobenzene	12.370	95	11591	4.79	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	9.58%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.846	85	8499	4.18	ug/l	99
3) Chloromethane	2.049	50	11465	4.53	ug/l	97
4) Vinyl Chloride	2.174	62	10861	4.45	ug/l	100
5) Bromomethane	2.528	94	7459	4.46	ug/l	94
6) Chloroethane	2.676	64	6890	4.89	ug/l	97
7) Trichlorofluoromethane	2.994	101	14331	4.53	ug/l	100
8) Diethyl Ether	3.383	74	5335	4.66	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.718	101	8252	4.99	ug/l	96
10) Methyl Iodide	3.910	142	11701	4.61	ug/l	96
11) Tert butyl alcohol	4.779	59	6761	31.67	ug/l #	73
12) 1,1-Dichloroethene	3.698	96	8447	4.77	ug/l	98
13) Acrolein	3.573	56	6933	26.41	ug/l	88
14) Allyl chloride	4.274	41	14676	4.91	ug/l	91
15) Acrylonitrile	4.949	53	19070	29.35	ug/l	99
16) Acetone	3.788	43	17657	21.42	ug/l	98
17) Carbon Disulfide	4.004	76	22698	4.61	ug/l #	94
18) Methyl Acetate	4.287	43	8701	4.79	ug/l	96
19) Methyl tert-butyl Ether	5.004	73	26385	4.68	ug/l	98
20) Methylene Chloride	4.502	84	10009	4.82	ug/l	96
21) trans-1,2-Dichloroethene	4.991	96	8595	5.45	ug/l	91
22) Diisopropyl ether	5.907	45	29233	4.89	ug/l	92
23) Vinyl Acetate	5.853	43	106594	23.76	ug/l	99
24) 1,1-Dichloroethane	5.795	63	17034	4.92	ug/l	98
25) 2-Butanone	6.804	43	23857	22.84	ug/l	99
26) 2,2-Dichloropropane	6.772	77	12718	5.59	ug/l	98
27) cis-1,2-Dichloroethene	6.788	96	10672	6.25	ug/l	98
28) Bromochloromethane	7.148	49	8012	6.08	ug/l #	89
29) Tetrahydrofuran	7.180	42	17098	23.26	ug/l	98
30) Chloroform	7.328	83	16369	4.81	ug/l	97
31) Cyclohexane	7.611	56	17594	4.11	ug/l #	82
32) 1,1,1-Trichloroethane	7.524	97	13573	4.79	ug/l	97
36) 1,1-Dichloropropene	7.750	75	12512	4.76	ug/l	99
37) Ethyl Acetate	6.901	43	9809m	4.13	ug/l	
38) Carbon Tetrachloride	7.730	117	11297	4.64	ug/l	94
39) Methylcyclohexane	9.045	83	14289	4.78	ug/l	93
40) Benzene	8.000	78	40476	4.95	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.135	41	4696	4.94	ug/l #	100
42) 1,2-Dichloroethane	8.084	62	12883	4.92	ug/l	97
43) Isopropyl Acetate	8.132	43	17960	4.95	ug/l #	87
44) Trichloroethene	8.798	130	9699	4.94	ug/l	94
45) 1,2-Dichloropropane	9.081	63	9810	4.79	ug/l	98
46) Dibromomethane	9.174	93	6047	4.92	ug/l	95
47) Bromodichloromethane	9.367	83	11917	4.83	ug/l #	94
48) Methyl methacrylate	9.167	41	9259	4.93	ug/l	90
49) 1,4-Dioxane	9.167	88	3071	112.49	ug/l	93
51) 4-Methyl-2-Pentanone	9.952	43	53091	23.88	ug/l	100
52) Toluene	10.122	92	24217	4.94	ug/l	93
53) t-1,3-Dichloropropene	10.351	75	12319	4.82	ug/l	90
54) cis-1,3-Dichloropropene	9.804	75	14512	4.87	ug/l	97
55) 1,1,2-Trichloroethane	10.531	97	9132	5.07	ug/l	95
56) Ethyl methacrylate	10.399	69	12605	4.91	ug/l	96
57) 1,3-Dichloropropane	10.675	76	15358	4.83	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.663	63	28843	23.43	ug/l	94
59) 2-Hexanone	10.724	43	35563	23.33	ug/l	100
60) Dibromochloromethane	10.872	129	8305	4.73	ug/l	98
61) 1,2-Dibromoethane	10.974	107	8664	4.84	ug/l	92
64) Tetrachloroethene	10.598	164	9638	4.89	ug/l	92
65) Chlorobenzene	11.402	112	24736	4.87	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.476	131	8431	4.96	ug/l	96
67) Ethyl Benzene	11.479	91	44197	4.83	ug/l	97
68) m/p-Xylenes	11.592	106	32903	9.76	ug/l	93
69) o-Xylene	11.917	106	15744	4.84	ug/l	94
70) Styrene	11.933	104	25079	4.89	ug/l	96
71) Bromoform	12.100	173	5119	4.75	ug/l #	99
73) Isopropylbenzene	12.219	105	40966	4.86	ug/l	98
74) N-amyl acetate	12.042	43	12457	4.84	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.473	83	12400	4.99	ug/l	97
76) 1,2,3-Trichloropropane	12.527	75	12817m	4.32	ug/l	
77) Bromobenzene	12.495	156	9850	5.24	ug/l	89
78) n-propylbenzene	12.560	91	44861	4.77	ug/l	98
79) 2-Chlorotoluene	12.643	91	28791	4.78	ug/l	99
80) 1,3,5-Trimethylbenzene	12.704	105	33636	4.80	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.270	75	2834	4.90	ug/l #	81
82) 4-Chlorotoluene	12.743	91	28593	4.84	ug/l	94
83) tert-Butylbenzene	12.965	119	28548	4.92	ug/l	96
84) 1,2,4-Trimethylbenzene	13.010	105	33788	4.84	ug/l	100
85) sec-Butylbenzene	13.142	105	36218	4.86	ug/l	99
86) p-Isopropyltoluene	13.257	119	32716	4.87	ug/l	98
87) 1,3-Dichlorobenzene	13.254	146	16156	4.98	ug/l	97
88) 1,4-Dichlorobenzene	13.335	146	16635	5.10	ug/l	94
89) n-Butylbenzene	13.585	91	26771	4.85	ug/l	96
90) Hexachloroethane	13.843	117	5341	4.74	ug/l	97
91) 1,2-Dichlorobenzene	13.624	146	15571	4.75	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.241	75	1832	5.13	ug/l	74
93) 1,2,4-Trichlorobenzene	14.881	180	4511	3.97	ug/l	91
94) Hexachlorobutadiene	14.981	225	3851	4.93	ug/l	97
95) Naphthalene	15.103	128	14998	3.96	ug/l	98
96) 1,2,3-Trichlorobenzene	15.280	180	5631	4.26	ug/l	99

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

