

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070721\
 Data File : VN067633.D
 Acq On : 7 Jul 2021 14:32
 Operator : JC/MD
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 7/8/2021 6:02:54 PM

Quant Time: Jul 07 15:45:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 15:42:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	399634	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	749166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	706301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	299955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	63608	10.683	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	21.360%#		
35) Dibromofluoromethane	8.021	113	44073	9.505	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	19.000%#		
50) Toluene-d8	10.443	98	182227	9.328	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	18.660%#		
62) 4-Bromofluorobenzene	12.734	95	61626	8.825	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	17.640%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	33294	7.987	ug/l	98
3) Chloromethane	2.303	50	55953	10.402	ug/l	98
4) Vinyl Chloride	2.443	62	84337	10.183	ug/l	96
5) Bromomethane	2.856	94	74264	11.404	ug/l	99
6) Chloroethane	3.017	64	65263	10.230	ug/l	99
7) Trichlorofluoromethane	3.368	101	158219	9.989	ug/l	99
8) Diethyl Ether	3.816	74	32978	7.986	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.208	101	37642m	10.150	ug/l	
10) Methyl Iodide	4.419	142	42557	9.102	ug/l	91
11) Tert butyl alcohol	5.393	59	43778	52.869	ug/l #	81
12) 1,1-Dichloroethene	4.173	96	37015	10.489	ug/l	85
13) Acrolein	4.041	56	20427	32.396	ug/l	96
14) Allyl chloride	4.838	41	62817	9.968	ug/l	91
15) Acrylonitrile	5.554	53	106785	50.000	ug/l #	85
16) Acetone	4.288	43	103826	54.840	ug/l	96
17) Carbon Disulfide	4.519	76	95438	9.525	ug/l	98
18) Methyl Acetate	4.857	43	50073	10.304	ug/l	94
19) Methyl tert-butyl Ether	5.621	73	149503	10.287	ug/l	99
20) Methylene Chloride	5.093	84	47057	10.013	ug/l	92
21) trans-1,2-Dichloroethene	5.594	96	41739	9.767	ug/l	92
22) Diisopropyl ether	6.498	45	152143	10.302	ug/l	93
23) Vinyl Acetate	6.436	43	637328m	50.431	ug/l	
24) 1,1-Dichloroethane	6.385	63	83638	10.370	ug/l	98
25) 2-Butanone	7.343	43	160855	52.497	ug/l	97
26) 2,2-Dichloropropane	7.327	77	75030	10.243	ug/l	86
27) cis-1,2-Dichloroethene	7.327	96	52348	10.135	ug/l	91
28) Bromochloromethane	7.657	49	41890	10.738	ug/l	89
29) Tetrahydrofuran	7.691	42	103502	50.676	ug/l	92
30) Chloroform	7.820	83	93482	10.155	ug/l	100
31) Cyclohexane	8.094	56	86308	10.465	ug/l #	86
32) 1,1,1-Trichloroethane	8.013	97	80735	10.097	ug/l	100
36) 1,1-Dichloropropene	8.222	75	68681	9.725	ug/l	97
37) Ethyl Acetate	7.421	43	61212	9.009	ug/l	97
38) Carbon Tetrachloride	8.209	117	64656	9.096	ug/l	97
39) Methylcyclohexane	9.462	83	73993	9.550	ug/l	94
40) Benzene	8.461	78	203804	9.753	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	34921	10.347	ug/l	98
42) 1,2-Dichloroethane	8.531	62	78979	10.282	ug/l	100
43) Isopropyl Acetate	8.566	43	121463	10.281	ug/l	95
44) Trichloroethene	9.220	130	50866	9.718	ug/l	86
45) 1,2-Dichloropropane	9.491	63	51578	9.885	ug/l	99
46) Dibromomethane	9.580	93	36149	9.555	ug/l	96
47) Bromodichloromethane	9.765	83	71454	9.811	ug/l	98
48) Methyl methacrylate	9.561	41	51208	9.856	ug/l	90
49) 1,4-Dioxane	9.577	88	17154	183.569	ug/l	97
51) 4-Methyl-2-Pentanone	10.333	43	367375	50.790	ug/l	99
52) Toluene	10.508	92	133759	9.600	ug/l	100
53) t-1,3-Dichloropropene	10.719	75	71933	9.334	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	80707	9.718	ug/l	96
55) 1,1,2-Trichloroethane	10.899	97	50667	9.423	ug/l	99
56) Ethyl methacrylate	10.765	69	77413	9.328	ug/l	95
57) 1,3-Dichloropropane	11.047	76	85469	9.583	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.044	63	67396	40.868	ug/l	95
59) 2-Hexanone	11.087	43	251499	49.535	ug/l	96
60) Dibromochloromethane	11.240	129	48081	8.689	ug/l	99
61) 1,2-Dibromoethane	11.347	107	51340	9.261	ug/l	100
64) Tetrachloroethene	10.977	164	48877	9.787	ug/l	98
65) Chlorobenzene	11.773	112	144144	9.920	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.843	131	50394	9.769	ug/l	98
67) Ethyl Benzene	11.846	91	260523	9.931	ug/l	97
68) m/p-Xylenes	11.956	106	194629	19.429	ug/l	89
69) o-Xylene	12.283	106	96381	9.715	ug/l	90
70) Styrene	12.296	104	152416	9.488	ug/l	94
71) Bromoform	12.463	173	30583	8.312	ug/l #	97
73) Isopropylbenzene	12.581	105	245873	9.955	ug/l	99
74) N-amyl acetate	12.390	43	89781	10.295	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.830	83	72711	10.291	ug/l	99
76) 1,2,3-Trichloropropane	12.884	75	63890m	10.770	ug/l	
77) Bromobenzene	12.865	156	51703	9.225	ug/l	83
78) n-propylbenzene	12.924	91	281131	10.250	ug/l	98
79) 2-Chlorotoluene	13.010	91	170501	10.121	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	201653	10.151	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.629	75	17457	8.773	ug/l	93
82) 4-Chlorotoluene	13.106	91	168685	10.189	ug/l	96
83) tert-Butylbenzene	13.326	119	171873	10.218	ug/l	91
84) 1,2,4-Trimethylbenzene	13.369	105	196399	10.082	ug/l	96
85) sec-Butylbenzene	13.503	105	237577	10.273	ug/l	98
86) p-Isopropyltoluene	13.619	119	188056	10.058	ug/l	95
87) 1,3-Dichlorobenzene	13.619	146	97488	9.649	ug/l	95
88) 1,4-Dichlorobenzene	13.696	146	98634	9.796	ug/l	98
89) n-Butylbenzene	13.946	91	162336	10.446	ug/l	100
90) Hexachloroethane	14.214	117	30985	9.956	ug/l	92
91) 1,2-Dichlorobenzene	13.991	146	92658	9.407	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.608	75	12677	10.731	ug/l	86
93) 1,2,4-Trichlorobenzene	15.265	180	37275	8.681	ug/l	97
94) Hexachlorobutadiene	15.373	225	19878	9.831	ug/l	99
95) Naphthalene	15.507	128	107708	8.733	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	37193	9.357	ug/l	98

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

