

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060721\
 Data File : VN067250.D
 Acq On : 7 Jun 2021 13:18
 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

MMDadoda
 6/8/2021 6:56:39 PM

Quant Time: Jun 07 15:03:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 07 15:02:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	101800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	189834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	182414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	75609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.445	65	8056	5.719	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	11.440%#		
35) Dibromofluoromethane	8.027	113	6363	5.438	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	10.880%#		
50) Toluene-d8	10.443	98	26191	5.348	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.700%#		
62) 4-Bromofluorobenzene	12.733	95	8146	4.163	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	8.320%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	5110	4.492	ug/l	99
3) Chloromethane	2.306	50	8774	6.012	ug/l	90
4) Vinyl Chloride	2.445	62	18308	8.602	ug/l	99
5) Bromomethane	2.842	94	17139	10.351	ug/l	98
6) Chloroethane	3.014	64	16761	10.873	ug/l	91
7) Trichlorofluoromethane	3.368	101	43059	16.047	ug/l	94
8) Diethyl Ether	3.824	74	4343	5.870	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.197	101	4727m	4.876	ug/l	
10) Methyl Iodide	4.417	142	5621	4.564	ug/l #	92
11) Tert butyl alcohol	5.385	59	5592m	24.526	ug/l	
12) 1,1-Dichloroethene	4.170	96	4938m	5.093	ug/l	
13) Acrolein	4.049	56	3330	33.450	ug/l #	55
14) Allyl chloride	4.835	41	9138	5.171	ug/l #	77
15) Acrylonitrile	5.562	53	13143	25.922	ug/l	99
16) Acetone	4.299	43	13903	28.970	ug/l	90
17) Carbon Disulfide	4.524	76	14224	5.032	ug/l	95
18) Methyl Acetate	4.870	43	7584	5.514	ug/l #	48
19) Methyl tert-butyl Ether	5.624	73	17469	5.056	ug/l	99
20) Methylene Chloride	5.095	84	6220	5.153	ug/l #	90
21) trans-1,2-Dichloroethene	5.591	96	5779	5.121	ug/l	91
22) Diisopropyl ether	6.503	45	18499	5.375	ug/l	89
23) Vinyl Acetate	6.436	43	87374	25.985	ug/l	95
24) 1,1-Dichloroethane	6.391	63	11239	5.392	ug/l #	94
25) 2-Butanone	7.351	43	21518	27.358	ug/l	91
26) 2,2-Dichloropropane	7.324	77	10480	5.228	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	6689	5.042	ug/l	94
28) Bromochloromethane	7.659	49	5872	5.677	ug/l #	74
29) Tetrahydrofuran	7.702	42	12459	26.664	ug/l	93
30) Chloroform	7.817	83	11658	5.190	ug/l	98
31) Cyclohexane	8.091	56	12039	6.422	ug/l #	87
32) 1,1,1-Trichloroethane	8.013	97	10557	5.018	ug/l	95
36) 1,1-Dichloropropene	8.217	75	8345	4.749	ug/l #	77
37) Ethyl Acetate	7.418	43	9107	5.369	ug/l #	88
38) Carbon Tetrachloride	8.206	117	8887	4.699	ug/l	95
39) Methylcyclohexane	9.464	83	10231	5.145	ug/l	95
40) Benzene	8.461	78	26407	4.844	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.643	41	4534	5.154	ug/l #	77
42) 1,2-Dichloroethane	8.531	62	9334	5.003	ug/l	91
43) Isopropyl Acetate	8.568	43	16373	5.054	ug/l #	90
44) Trichloroethene	9.217	130	6961	5.091	ug/l	100
45) 1,2-Dichloropropane	9.491	63	6666	4.905	ug/l	100
46) Dibromomethane	9.582	93	4763	4.940	ug/l #	79
47) Bromodichloromethane	9.765	83	9658	4.944	ug/l	96
48) Methyl methacrylate	9.566	41	7251	5.150	ug/l #	81
49) 1,4-Dioxane	9.577	88	2129	96.838	ug/l #	90
51) 4-Methyl-2-Pentanone	10.336	43	49351	25.456	ug/l	90
52) Toluene	10.510	92	17638	4.759	ug/l	100
53) t-1,3-Dichloropropene	10.722	75	10550	4.521	ug/l	95
54) cis-1,3-Dichloropropene	10.191	75	11320	4.858	ug/l #	84
55) 1,1,2-Trichloroethane	10.902	97	6638	4.775	ug/l	96
56) Ethyl methacrylate	10.768	69	10243	4.517	ug/l #	74
57) 1,3-Dichloropropane	11.047	76	11283	4.934	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.046	63	9239	19.195	ug/l	92
59) 2-Hexanone	11.089	43	35416	24.960	ug/l	86
60) Dibromochloromethane	11.242	129	7009	4.261	ug/l	100
61) 1,2-Dibromoethane	11.347	107	6650	4.538	ug/l	96
64) Tetrachloroethene	10.979	164	6592	5.331	ug/l	95
65) Chlorobenzene	11.773	112	18773	4.769	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.840	131	6817	4.547	ug/l	99
67) Ethyl Benzene	11.848	91	34635	4.759	ug/l	98
68) m/p-Xylenes	11.958	106	26228	8.963	ug/l	97
69) o-Xylene	12.286	106	12217	4.282	ug/l	92
70) Styrene	12.299	104	20225	4.120	ug/l	98
71) Bromoform	12.460	173	4850	3.843	ug/l #	99
73) Isopropylbenzene	12.583	105	33145	5.753	ug/l	99
74) N-amyl acetate	12.390	43	14260	6.235	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.833	83	9662	5.987	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	8199m	5.785	ug/l	
77) Bromobenzene	12.865	156	6950	5.334	ug/l	77
78) n-propylbenzene	12.924	91	37694	5.632	ug/l	92
79) 2-Chlorotoluene	13.106	91	21371	5.226	ug/l	94
80) 1,3,5-Trimethylbenzene	13.061	105	26949	5.358	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	3090	5.216	ug/l	91
82) 4-Chlorotoluene	13.012	91	21226	5.440	ug/l	98
83) tert-Butylbenzene	13.326	119	23882	5.593	ug/l	97
84) 1,2,4-Trimethylbenzene	13.372	105	26992	5.396	ug/l	93
85) sec-Butylbenzene	13.503	105	32235	5.385	ug/l	94
86) p-Isopropyltoluene	13.619	119	27889	5.284	ug/l	98
87) 1,3-Dichlorobenzene	13.619	146	12475	4.968	ug/l	99
88) 1,4-Dichlorobenzene	13.696	146	12805	5.040	ug/l	92
89) n-Butylbenzene	13.946	91	24888	5.293	ug/l	94
90) Hexachloroethane	14.211	117	4686	5.244	ug/l	73
91) 1,2-Dichlorobenzene	13.991	146	11993	4.857	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.605	75	1695	5.157	ug/l	78
93) 1,2,4-Trichlorobenzene	15.271	180	6242	5.702	ug/l	98
94) Hexachlorobutadiene	15.373	225	2890	4.766	ug/l	93
95) Naphthalene	15.509	128	18673	6.772	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	5830	6.033	ug/l	92

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

