

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080521\
 Data File : VN068025.D
 Acq On : 5 Aug 2021 18:58
 Operator : JC/MD
 Sample : M2940-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 5:42:48 PM

Quant Time: Aug 06 02:10:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 06 02:07:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	327290	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	640796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	572385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	194758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	297982	64.312	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 128.620%			
35) Dibromofluoromethane	8.024	113	218493	58.507	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 117.020%			
50) Toluene-d8	10.443	98	853441	56.466	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 112.940%			
62) 4-Bromofluorobenzene	12.733	95	254078	48.529	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.060%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	3373	1.006	ug/l	89
3) Chloromethane	2.303	50	4931	1.184	ug/l	98
4) Vinyl Chloride	2.443	62	6967	1.072	ug/l	91
5) Bromomethane	2.864	94	7733	1.335	ug/l	91
6) Chloroethane	3.025	64	5795	1.150	ug/l	99
7) Trichlorofluoromethane	3.373	101	12615	1.071	ug/l	97
8) Diethyl Ether	3.832	74	2096m	0.937	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.205	101	3520m	1.037	ug/l	
10) Methyl Iodide	4.419	142	3027	0.776	ug/l	# 82
11) Tert butyl alcohol	5.406	59	3182m	5.126	ug/l	
12) 1,1-Dichloroethene	4.175	96	3108	1.001	ug/l	# 67
13) Acrolein	4.039	56	1366	3.242	ug/l	# 39
14) Allyl chloride	4.832	41	5550m	1.053	ug/l	
15) Acrylonitrile	5.557	53	9267m	5.326	ug/l	
16) Acetone	4.293	43	10014	5.923	ug/l	97
17) Carbon Disulfide	4.532	76	9677m	1.075	ug/l	
18) Methyl Acetate	4.865	43	9235m	2.118	ug/l	
19) Methyl tert-butyl Ether	5.621	73	11452	0.983	ug/l	100
20) Methylene Chloride	5.093	84	9215m	2.123	ug/l	
21) trans-1,2-Dichloroethene	5.594	96	3730	1.033	ug/l	# 76
22) Diisopropyl ether	6.509	45	11193m	0.957	ug/l	
23) Vinyl Acetate	6.442	43	38923	3.996	ug/l	# 90
24) 1,1-Dichloroethane	6.391	63	6943	1.026	ug/l	# 91
25) 2-Butanone	7.353	43	12324m	5.025	ug/l	
26) 2,2-Dichloropropane	7.319	77	5506	0.930	ug/l	# 76
27) cis-1,2-Dichloroethene	7.324	96	4268	0.995	ug/l	89
28) Bromochloromethane	7.665	49	3573m	1.107	ug/l	
29) Tetrahydrofuran	7.705	42	7529	4.794	ug/l	# 83
30) Chloroform	7.820	83	7975	1.064	ug/l	100
31) Cyclohexane	8.094	56	14459	2.115	ug/l	# 53
32) 1,1,1-Trichloroethane	8.016	97	6409	0.990	ug/l	# 52
36) 1,1-Dichloropropene	8.225	75	5627	0.949	ug/l	88
37) Ethyl Acetate	7.423	43	5836m	1.046	ug/l	
38) Carbon Tetrachloride	8.206	117	5539	0.950	ug/l	95
39) Methylcyclohexane	9.456	83	5514m	0.861	ug/l	
40) Benzene	8.464	78	16504	0.941	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	2358m	0.887	ug/l	
42) 1,2-Dichloroethane	8.534	62	6887	1.063	ug/l	98
43) Isopropyl Acetate	8.568	43	9125	0.982	ug/l #	85
44) Trichloroethene	9.220	130	4224	0.952	ug/l	84
45) 1,2-Dichloropropane	9.499	63	4078	0.933	ug/l #	87
46) Dibromomethane	9.582	93	3048	0.964	ug/l	97
47) Bromodichloromethane	9.767	83	5812	0.965	ug/l #	83
48) Methyl methacrylate	9.561	41	3865	0.965	ug/l	91
49) 1,4-Dioxane	9.580	88	1096m	14.823	ug/l	
51) 4-Methyl-2-Pentanone	10.336	43	24826	4.330	ug/l	98
52) Toluene	10.505	92	10981	0.963	ug/l	96
53) t-1,3-Dichloropropene	10.719	75	5250	0.840	ug/l #	86
54) cis-1,3-Dichloropropene	10.191	75	5604	0.837	ug/l #	92
55) 1,1,2-Trichloroethane	10.899	97	4511	1.020	ug/l	90
56) Ethyl methacrylate	10.762	69	5794	0.910	ug/l	93
57) 1,3-Dichloropropane	11.049	76	6817	0.946	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.046	63	3665	3.443	ug/l	100
59) 2-Hexanone	11.089	43	17094	4.153	ug/l	97
60) Dibromochloromethane	11.245	129	3886	0.884	ug/l	91
61) 1,2-Dibromoethane	11.350	107	3861	0.850	ug/l	91
64) Tetrachloroethene	10.982	164	3392	0.827	ug/l	89
65) Chlorobenzene	11.771	112	10953	0.941	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.846	131	4130	1.018	ug/l #	64
67) Ethyl Benzene	11.846	91	19528	0.942	ug/l	95
68) m/p-Xylenes	11.953	106	13170	1.696	ug/l	87
69) o-Xylene	12.280	106	6667	0.875	ug/l	85
70) Styrene	12.296	104	9434	0.767	ug/l	92
71) Bromoform	12.457	173	2357	0.879	ug/l #	96
73) Isopropylbenzene	12.583	105	16105	1.014	ug/l	95
74) N-amyl acetate	12.388	43	5120	0.927	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.830	83	5999	1.249	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	5136m	1.313	ug/l	
77) Bromobenzene	12.862	156	4252	1.165	ug/l	77
78) n-propylbenzene	12.921	91	18303	1.021	ug/l	97
79) 2-Chlorotoluene	13.007	91	11893	1.088	ug/l	99
80) 1,3,5-Trimethylbenzene	13.061	105	12887	1.001	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.632	75	1104m	0.891	ug/l	
82) 4-Chlorotoluene	13.106	91	10841	0.988	ug/l	95
83) tert-Butylbenzene	13.329	119	10562	0.986	ug/l	93
84) 1,2,4-Trimethylbenzene	13.374	105	11860	0.950	ug/l	99
85) sec-Butylbenzene	13.506	105	13683	0.913	ug/l	95
86) p-Isopropyltoluene	13.619	119	10721	0.900	ug/l	96
87) 1,3-Dichlorobenzene	13.619	146	6392	0.954	ug/l	96
88) 1,4-Dichlorobenzene	13.696	146	7280	1.100	ug/l	91
89) n-Butylbenzene	13.946	91	8646	0.846	ug/l	100
90) Hexachloroethane	14.206	117	1938	0.951	ug/l	88
91) 1,2-Dichlorobenzene	13.991	146	6756	1.071	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.606	75	862	1.124	ug/l	68
93) 1,2,4-Trichlorobenzene	15.268	180	1916	0.706	ug/l	97
94) Hexachlorobutadiene	15.375	225	1187	0.905	ug/l	90
95) Naphthalene	15.512	128	5963	0.768	ug/l	96
96) 1,2,3-Trichlorobenzene	15.708	180	2236	0.845	ug/l	84

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

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