

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080521\
 Data File : VN068023.D
 Acq On : 5 Aug 2021 18:09
 Operator : JC/MD
 Sample : M2940-09 .75PPB MDL
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2021DL

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 5:42:51 PM

Quant Time: Aug 06 02:09:59 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	330385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	655826	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	590479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	203199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	291506	62.325	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 124.660%			
35) Dibromofluoromethane	8.024	113	218646	57.206	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 114.420%			
50) Toluene-d8	10.446	98	848265	54.838	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.680%			
62) 4-Bromofluorobenzene	12.734	95	257941	48.138	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	2422	0.715	ug/l	93
3) Chloromethane	2.301	50	3795	0.902	ug/l	100
4) Vinyl Chloride	2.445	62	4933	0.752	ug/l #	86
5) Bromomethane	2.864	94	6009	1.028	ug/l	85
6) Chloroethane	3.022	64	4635	0.911	ug/l	99
7) Trichlorofluoromethane	3.379	101	9101m	0.765	ug/l	
8) Diethyl Ether	3.813	74	1586	0.702	ug/l #	44
9) 1,1,2-Trichlorotrifluo...	4.216	101	2327m	0.679	ug/l	
10) Methyl Iodide	4.425	142	2325m	0.590	ug/l	
11) Tert butyl alcohol	5.385	59	2168m	3.460	ug/l	
12) 1,1-Dichloroethene	4.175	96	2314	0.739	ug/l	83
13) Acrolein	4.044	56	1263m	2.970	ug/l	
14) Allyl chloride	4.832	41	4182m	0.786	ug/l	
15) Acrylonitrile	5.567	53	6800m	3.872	ug/l	
16) Acetone	4.299	43	7374	4.321	ug/l	95
17) Carbon Disulfide	4.527	76	6613	0.728	ug/l #	92
18) Methyl Acetate	4.867	43	9118	2.072	ug/l	95
19) Methyl tert-butyl Ether	5.621	73	7554	0.642	ug/l	99
20) Methylene Chloride	5.103	84	6851m	1.564	ug/l	
21) trans-1,2-Dichloroethene	5.591	96	2311	0.634	ug/l #	75
22) Diisopropyl ether	6.498	45	7665	0.649	ug/l #	84
23) Vinyl Acetate	6.442	43	32241m	3.279	ug/l	
24) 1,1-Dichloroethane	6.393	63	5010	0.734	ug/l #	85
25) 2-Butanone	7.351	43	8391	3.389	ug/l #	88
26) 2,2-Dichloropropane	7.329	77	3775	0.632	ug/l	80
27) cis-1,2-Dichloroethene	7.329	96	3334	0.770	ug/l	70
28) Bromochloromethane	7.657	49	2562	0.786	ug/l #	63
29) Tetrahydrofuran	7.694	42	5564	3.509	ug/l #	70
30) Chloroform	7.820	83	5808	0.768	ug/l	89
31) Cyclohexane	8.091	56	11989	1.738	ug/l #	33
32) 1,1,1-Trichloroethane	8.008	97	5198m	0.796	ug/l	
36) 1,1-Dichloropropene	8.220	75	4004	0.660	ug/l #	57
37) Ethyl Acetate	7.410	43	4769m	0.835	ug/l	
38) Carbon Tetrachloride	8.201	117	4543m	0.761	ug/l	
39) Methylcyclohexane	9.462	83	3988	0.608	ug/l #	81
40) Benzene	8.461	78	11891	0.662	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.654	41	2092m	0.769	ug/l	
42) 1,2-Dichloroethane	8.534	62	5658	0.853	ug/l	90
43) Isopropyl Acetate	8.563	43	5499	0.578	ug/l #	91
44) Trichloroethene	9.215	130	2669	0.588	ug/l	93
45) 1,2-Dichloropropane	9.491	63	2560	0.572	ug/l	93
46) Dibromomethane	9.580	93	2242	0.693	ug/l #	86
47) Bromodichloromethane	9.759	83	3973	0.644	ug/l	100
48) Methyl methacrylate	9.566	41	3270	0.797	ug/l	91
49) 1,4-Dioxane	9.577	88	755m	9.977	ug/l	
51) 4-Methyl-2-Pentanone	10.333	43	17763	3.027	ug/l	99
52) Toluene	10.510	92	7840	0.672	ug/l	96
53) t-1,3-Dichloropropene	10.719	75	3671	0.574	ug/l	97
54) cis-1,3-Dichloropropene	10.194	75	4097	0.598	ug/l #	79
55) 1,1,2-Trichloroethane	10.904	97	2986	0.660	ug/l #	88
56) Ethyl methacrylate	10.765	69	3646	0.560	ug/l #	78
57) 1,3-Dichloropropane	11.047	76	5278	0.715	ug/l #	62
58) 2-Chloroethyl Vinyl ether	10.046	63	2637	2.420	ug/l	94
59) 2-Hexanone	11.092	43	12290	2.918	ug/l	97
60) Dibromochloromethane	11.240	129	2534	0.563	ug/l	87
61) 1,2-Dibromoethane	11.347	107	2951	0.635	ug/l	98
64) Tetrachloroethene	10.977	164	2540	0.601	ug/l #	77
65) Chlorobenzene	11.771	112	7625	0.635	ug/l #	84
66) 1,1,1,2-Tetrachloroethane	11.843	131	2668	0.638	ug/l #	61
67) Ethyl Benzene	11.851	91	13253	0.620	ug/l #	88
68) m/p-Xylenes	11.956	106	9044	1.129	ug/l	93
69) o-Xylene	12.283	106	4582	0.583	ug/l	86
70) Styrene	12.299	104	6297	0.496	ug/l	95
71) Bromoform	12.457	173	1492	0.539	ug/l #	92
73) Isopropylbenzene	12.583	105	10671	0.644	ug/l	96
74) N-amyl acetate	12.393	43	3606	0.626	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.827	83	4090	0.816	ug/l #	66
76) 1,2,3-Trichloropropane	12.881	75	3480m	0.853	ug/l	
77) Bromobenzene	12.865	156	2691	0.707	ug/l	86
78) n-propylbenzene	12.924	91	13003	0.695	ug/l	97
79) 2-Chlorotoluene	13.015	91	7373	0.647	ug/l	79
80) 1,3,5-Trimethylbenzene	13.061	105	8843	0.658	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.634	75	636m	0.492	ug/l	
82) 4-Chlorotoluene	13.109	91	7553	0.660	ug/l	87
83) tert-Butylbenzene	13.329	119	7024	0.629	ug/l	91
84) 1,2,4-Trimethylbenzene	13.374	105	7943	0.610	ug/l	96
85) sec-Butylbenzene	13.503	105	9549	0.611	ug/l	98
86) p-Isopropyltoluene	13.619	119	7389	0.594	ug/l	97
87) 1,3-Dichlorobenzene	13.619	146	4362	0.624	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	4749m	0.688	ug/l	
89) n-Butylbenzene	13.946	91	5770	0.541	ug/l	98
90) Hexachloroethane	14.211	117	1390	0.654	ug/l	86
91) 1,2-Dichlorobenzene	13.991	146	4305	0.654	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.606	75	652	0.815	ug/l #	71
93) 1,2,4-Trichlorobenzene	15.268	180	1323	0.467	ug/l	94
94) Hexachlorobutadiene	15.375	225	859	0.628	ug/l	86
95) Naphthalene	15.512	128	3144	0.388	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.708	180	1600	0.579	ug/l #	77

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

