

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080521\
 Data File : VN068024.D
 Acq On : 5 Aug 2021 18:34
 Operator : JC/MD
 Sample : M2940-09 2.5PPB MDL
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 5:42:50 PM

Quant Time: Aug 06 02:10:17 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	8.086	168	332961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	641763	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	596460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	210842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	264131	56.035	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.080%			
35) Dibromofluoromethane	8.024	113	197564	52.823	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.640%			
50) Toluene-d8	10.443	98	770611	50.909	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.820%			
62) 4-Bromofluorobenzene	12.734	95	245747	46.867	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	8702	2.551	ug/l	88
3) Chloromethane	2.301	50	11833	2.792	ug/l	96
4) Vinyl Chloride	2.443	62	18090	2.736	ug/l	96
5) Bromomethane	2.853	94	15395	2.612	ug/l	93
6) Chloroethane	3.022	64	13179	2.570	ug/l	96
7) Trichlorofluoromethane	3.371	101	33626	2.806	ug/l	94
8) Diethyl Ether	3.819	74	6114	2.685	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.205	101	9376	2.714	ug/l	97
10) Methyl Iodide	4.417	142	9698	2.443	ug/l #	68
11) Tert butyl alcohol	5.385	59	8459m	13.394	ug/l	
12) 1,1-Dichloroethene	4.173	96	8547	2.707	ug/l #	78
13) Acrolein	4.044	56	3624m	8.456	ug/l	
14) Allyl chloride	4.833	41	13506m	2.519	ug/l	
15) Acrylonitrile	5.567	53	24269	13.711	ug/l	98
16) Acetone	4.291	43	22104	12.852	ug/l #	89
17) Carbon Disulfide	4.519	76	23202	2.534	ug/l	99
18) Methyl Acetate	4.865	43	17311m	3.903	ug/l	
19) Methyl tert-butyl Ether	5.616	73	30378	2.563	ug/l	99
20) Methylene Chloride	5.093	84	16968	3.843	ug/l	87
21) trans-1,2-Dichloroethene	5.597	96	9849	2.682	ug/l #	77
22) Diisopropyl ether	6.506	45	30607	2.571	ug/l	96
23) Vinyl Acetate	6.439	43	107606	10.859	ug/l	95
24) 1,1-Dichloroethane	6.388	63	18184	2.642	ug/l	94
25) 2-Butanone	7.346	43	33418	13.393	ug/l	95
26) 2,2-Dichloropropane	7.327	77	13034	2.165	ug/l	84
27) cis-1,2-Dichloroethene	7.327	96	10965	2.512	ug/l	87
28) Bromochloromethane	7.657	49	8784	2.676	ug/l #	83
29) Tetrahydrofuran	7.694	42	19250	12.048	ug/l	88
30) Chloroform	7.820	83	20064	2.632	ug/l	95
31) Cyclohexane	8.094	56	24301	3.495	ug/l #	64
32) 1,1,1-Trichloroethane	8.013	97	18364	2.789	ug/l	94
36) 1,1-Dichloropropene	8.225	75	14364	2.420	ug/l	97
37) Ethyl Acetate	7.421	43	12080	2.162	ug/l #	95
38) Carbon Tetrachloride	8.204	117	15067	2.581	ug/l	98
39) Methylcyclohexane	9.462	83	14795	2.306	ug/l	91
40) Benzene	8.461	78	43277	2.463	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	6415m	2.410	ug/l	
42) 1,2-Dichloroethane	8.531	62	17396	2.680	ug/l	99
43) Isopropyl Acetate	8.563	43	23784	2.555	ug/l #	93
44) Trichloroethene	9.218	130	10462	2.354	ug/l	88
45) 1,2-Dichloropropane	9.488	63	11298	2.580	ug/l	99
46) Dibromomethane	9.577	93	8359	2.640	ug/l	97
47) Bromodichloromethane	9.765	83	15449	2.561	ug/l	97
48) Methyl methacrylate	9.564	41	10192	2.540	ug/l	96
49) 1,4-Dioxane	9.574	88	3656	49.372	ug/l #	82
51) 4-Methyl-2-Pentanone	10.333	43	68031	11.849	ug/l	98
52) Toluene	10.505	92	28700	2.513	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	13979	2.233	ug/l	94
54) cis-1,3-Dichloropropene	10.188	75	15811	2.359	ug/l	89
55) 1,1,2-Trichloroethane	10.899	97	11137	2.516	ug/l	99
56) Ethyl methacrylate	10.765	69	14620	2.293	ug/l	95
57) 1,3-Dichloropropane	11.049	76	18721	2.593	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	10689	10.026	ug/l	95
59) 2-Hexanone	11.090	43	44760	10.859	ug/l	96
60) Dibromochloromethane	11.240	129	9965	2.263	ug/l	95
61) 1,2-Dibromoethane	11.347	107	10654	2.343	ug/l	92
64) Tetrachloroethene	10.980	164	9688	2.268	ug/l	88
65) Chlorobenzene	11.771	112	31122	2.565	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.843	131	10342	2.447	ug/l	93
67) Ethyl Benzene	11.849	91	49937	2.312	ug/l	92
68) m/p-Xylenes	11.956	106	35859	4.431	ug/l	90
69) o-Xylene	12.283	106	18014	2.268	ug/l	90
70) Styrene	12.299	104	26981	2.106	ug/l	92
71) Bromoform	12.463	173	6604	2.363	ug/l #	92
73) Isopropylbenzene	12.581	105	45178	2.626	ug/l	99
74) N-amyl acetate	12.393	43	14054	2.350	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.830	83	15682	3.017	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	11702m	2.764	ug/l	
77) Bromobenzene	12.868	156	10904	2.761	ug/l	81
78) n-propylbenzene	12.924	91	50711	2.612	ug/l	96
79) 2-Chlorotoluene	13.010	91	30591	2.586	ug/l	87
80) 1,3,5-Trimethylbenzene	13.063	105	35065	2.515	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.629	75	3029m	2.258	ug/l	
82) 4-Chlorotoluene	13.109	91	30099	2.534	ug/l	94
83) tert-Butylbenzene	13.326	119	29808	2.571	ug/l	91
84) 1,2,4-Trimethylbenzene	13.369	105	32715	2.422	ug/l	94
85) sec-Butylbenzene	13.503	105	39788	2.454	ug/l	99
86) p-Isopropyltoluene	13.619	119	29304	2.271	ug/l	97
87) 1,3-Dichlorobenzene	13.619	146	17843	2.460	ug/l	94
88) 1,4-Dichlorobenzene	13.696	146	17526	2.446	ug/l	86
89) n-Butylbenzene	13.943	91	24038	2.173	ug/l	98
90) Hexachloroethane	14.211	117	5941	2.692	ug/l	95
91) 1,2-Dichlorobenzene	13.991	146	16438	2.406	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.606	75	2103	2.534	ug/l	71
93) 1,2,4-Trichlorobenzene	15.268	180	5272	1.794	ug/l	93
94) Hexachlorobutadiene	15.375	225	3596	2.533	ug/l	99
95) Naphthalene	15.509	128	12410	1.477	ug/l	96
96) 1,2,3-Trichlorobenzene	15.705	180	4895	1.708	ug/l	90

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

