

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032621\
 Data File : VN066346.D
 Acq On : 26 Mar 2021 13:56
 Operator : JC/MD
 Sample : M1458-07 0.5ppb
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/31/2021 3:39:15 PM

Quant Time: Mar 27 03:20:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 27 03:14:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.584	168	422508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.515	114	662043	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	577095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	234159	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	286756	51.05	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.10%			
35) Dibromofluoromethane	7.507	113	225165	51.30	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.60%			
50) Toluene-d8	10.028	98	822188	49.39	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.78%			
62) 4-Bromofluorobenzene	12.345	95	257117	44.47	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.94%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.816	85	2334	0.44	ug/l	94
3) Chloromethane	2.017	50	6861	1.10	ug/l	96
4) Vinyl Chloride	2.145	62	3238	0.53	ug/l	91
5) Bromomethane	2.513	94	3642	0.89	ug/l	87
6) Chloroethane	2.650	64	2428	0.64	ug/l #	80
7) Trichlorofluoromethane	2.961	101	4313	0.51	ug/l	88
8) Diethyl Ether	3.336	74	2086	0.61	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.663	101	2480m	0.52	ug/l	
10) Methyl Iodide	3.865	142	3218m	0.48	ug/l	
11) Tert butyl alcohol	4.728	59	2582m	3.01	ug/l	
12) 1,1-Dichloroethene	3.655	96	2192	0.45	ug/l	86
13) Acrolein	3.532	56	6873	12.37	ug/l	87
14) Allyl chloride	4.229	41	4442	0.46	ug/l #	95
15) Acrylonitrile	4.876	53	6877m	2.88	ug/l	
16) Acetone	3.741	43	11416	3.76	ug/l	90
17) Carbon Disulfide	3.969	76	9383m	0.66	ug/l	
18) Methyl Acetate	4.240	43	5476	0.69	ug/l #	90
19) Methyl tert-butyl Ether	4.937	73	6745	0.47	ug/l #	90
20) Methylene Chloride	4.449	84	4460	0.76	ug/l #	75
21) trans-1,2-Dichloroethene	4.921	96	2686m	0.61	ug/l	
22) Diisopropyl ether	5.863	45	7673m	0.51	ug/l	
23) Vinyl Acetate	5.801	43	25927	2.04	ug/l	96
24) 1,1-Dichloroethane	5.739	63	4006m	0.49	ug/l	
25) 2-Butanone	6.758	43	7599m	2.29	ug/l	
26) 2,2-Dichloropropane	6.729	77	4065m	0.55	ug/l	
27) cis-1,2-Dichloroethene	6.732	96	3016	0.59	ug/l	54
28) Bromochloromethane	7.102	49	1857	0.45	ug/l #	59
29) Tetrahydrofuran	7.134	42	6401	2.96	ug/l #	61
30) Chloroform	7.281	83	3984m	0.48	ug/l	
31) Cyclohexane	7.582	56	12338	1.59	ug/l #	19
32) 1,1,1-Trichloroethane	7.477	97	3637	0.50	ug/l #	51
36) 1,1-Dichloropropene	7.702	75	2976	0.48	ug/l #	85
37) Ethyl Acetate	6.852	43	1634m	0.24	ug/l	
38) Carbon Tetrachloride	7.684	117	3081	0.49	ug/l	85
39) Methylcyclohexane	9.011	83	3566	0.47	ug/l	94
40) Benzene	7.968	78	9131	0.49	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.078	41	955	0.28	ug/l #	39
42) 1,2-Dichloroethane	8.043	62	3975	0.59	ug/l	85
43) Isopropyl Acetate	8.097	43	5341	0.46	ug/l #	89
44) Trichloroethene	8.765	130	2232	0.45	ug/l	95
45) 1,2-Dichloropropane	9.049	63	2620	0.52	ug/l	92
46) Dibromomethane	9.148	93	1550	0.47	ug/l	87
47) Bromodichloromethane	9.338	83	3364	0.50	ug/l #	97
48) Methyl methacrylate	9.137	41	1848	0.33	ug/l #	52
49) 1,4-Dioxane	9.135	88	832	11.89	ug/l #	65
51) 4-Methyl-2-Pentanone	9.923	43	17567	2.57	ug/l	96
52) Toluene	10.092	92	5577	0.48	ug/l	96
53) t-1,3-Dichloropropene	10.323	75	3551	0.48	ug/l	93
54) cis-1,3-Dichloropropene	9.778	75	4093	0.52	ug/l #	87
55) 1,1,2-Trichloroethane	10.500	97	2275	0.49	ug/l #	83
56) Ethyl methacrylate	10.374	69	3546	0.50	ug/l	91
57) 1,3-Dichloropropane	10.645	76	3869	0.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.639	63	1092	1.71	ug/l #	82
59) 2-Hexanone	10.698	43	10267	2.14	ug/l	97
60) Dibromochloromethane	10.838	129	2324	0.45	ug/l	94
61) 1,2-Dibromoethane	10.945	107	2080	0.43	ug/l	94
64) Tetrachloroethene	10.575	164	2100	0.43	ug/l	98
65) Chlorobenzene	11.371	112	5361	0.47	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.449	131	2024	0.46	ug/l #	63
67) Ethyl Benzene	11.455	91	10094	0.48	ug/l	100
68) m/p-Xylenes	11.565	106	6770	0.85	ug/l	92
69) o-Xylene	11.892	106	3407	0.44	ug/l	92
70) Styrene	11.908	104	5188	0.42	ug/l	86
71) Bromoform	12.066	173	1585	0.43	ug/l #	91
73) Isopropylbenzene	12.192	105	8474	0.49	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.450	83	2939	0.53	ug/l #	91
76) 1,2,3-Trichloropropane	12.501	75	1702m	0.33	ug/l	
77) Bromobenzene	12.468	156	2271	0.52	ug/l	93
78) n-propylbenzene	12.538	91	9494	0.50	ug/l	92
79) 2-Chlorotoluene	12.621	91	5007	0.43	ug/l	90
80) 1,3,5-Trimethylbenzene	12.683	105	7198	0.51	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.345	75	133982	78.42	ug/l #	12
82) 4-Chlorotoluene	12.728	91	4230	0.36	ug/l	80
83) tert-Butylbenzene	12.940	119	6401	0.52	ug/l	96
84) 1,2,4-Trimethylbenzene	12.986	105	6555	0.47	ug/l	93
85) sec-Butylbenzene	13.120	105	8492	0.53	ug/l	95
86) p-Isopropyltoluene	13.235	119	7742	0.54	ug/l	99
87) 1,3-Dichlorobenzene	13.233	146	4294	0.58	ug/l	91
88) 1,4-Dichlorobenzene	13.310	146	5186m	0.68	ug/l	
89) n-Butylbenzene	13.571	91	4853	0.41	ug/l	92
90) Hexachloroethane	13.812	117	1713	0.67	ug/l	68
91) 1,2-Dichlorobenzene	13.608	146	3717	0.51	ug/l	95
93) 1,2,4-Trichlorobenzene	14.858	180	4131	0.92	ug/l #	46
94) Hexachlorobutadiene	14.946	225	1715	0.70	ug/l	85
95) Naphthalene	15.081	128	13143	0.97	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.260	180	3749	0.83	ug/l #	56

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