

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052121\
 Data File : VX022108.D
 Acq On : 21 May 2021 12:28
 Operator : JC/MD
 Sample : M2262-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:50:20 PM

Quant Time: May 22 06:24:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 22 06:22:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	90862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	179674	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	155341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64012	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	71335	50.90	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.80%			
35) Dibromofluoromethane	5.397	113	55099	48.36	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.72%			
50) Toluene-d8	8.653	98	208386	47.48	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.96%			
62) 4-Bromofluorobenzene	11.085	95	74502	45.92	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.84%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	2744	2.48	ug/l	100
3) Chloromethane	1.294	50	3036	2.55	ug/l	89
4) Vinyl Chloride	1.374	62	3126	2.48	ug/l	99
5) Bromomethane	1.599	94	2304	3.13	ug/l #	80
6) Chloroethane	1.685	64	1993	2.65	ug/l	97
7) Trichlorofluoromethane	1.886	101	4521	2.49	ug/l	98
8) Diethyl Ether	2.136	74	1923	2.47	ug/l	71
9) 1,1,2-Trichlorotrifluo...	2.331	101	2838	2.64	ug/l	94
10) Methyl Iodide	2.453	142	2508	2.17	ug/l	91
11) Tert butyl alcohol	2.977	59	5335	16.64	ug/l	99
12) 1,1-Dichloroethene	2.319	96	2815	2.70	ug/l	85
13) Acrolein	2.239	56	3233	15.21	ug/l	98
14) Allyl chloride	2.660	41	4684	2.45	ug/l	92
15) Acrylonitrile	3.075	53	8173	12.95	ug/l	98
16) Acetone	2.386	43	7625	12.49	ug/l	91
17) Carbon Disulfide	2.508	76	6712	2.46	ug/l	96
18) Methyl Acetate	2.709	43	4313	2.66	ug/l	93
19) Methyl tert-butyl Ether	3.130	73	9138	2.56	ug/l	93
20) Methylene Chloride	2.788	84	3506	2.59	ug/l	91
21) trans-1,2-Dichloroethene	3.099	96	2962	2.61	ug/l	88
22) Diisopropyl ether	3.776	45	9063	2.46	ug/l	94
23) Vinyl Acetate	3.733	43	42394	11.95	ug/l	95
24) 1,1-Dichloroethane	3.611	63	5552	2.57	ug/l #	93
25) 2-Butanone	4.568	43	12539	12.70	ug/l	98
26) 2,2-Dichloropropane	4.489	77	4599	2.40	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	3601	2.61	ug/l	95
28) Bromochloromethane	4.910	49	2510	2.39	ug/l #	51
29) Tetrahydrofuran	5.026	42	7581	12.90	ug/l	92
30) Chloroform	5.105	83	5400	2.42	ug/l	88
31) Cyclohexane	5.477	56	4259	2.42	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	5029	2.63	ug/l	98
36) 1,1-Dichloropropene	5.708	75	3936	2.37	ug/l	98
37) Ethyl Acetate	4.721	43	5243	2.57	ug/l #	87
38) Carbon Tetrachloride	5.690	117	3836	2.36	ug/l	88
39) Methylcyclohexane	7.391	83	4347	2.31	ug/l #	87
40) Benzene	6.050	78	12246	2.40	ug/l #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	2543	2.33	ug/l	93
42) 1,2-Dichloroethane	6.092	62	4531	2.53	ug/l	95
43) Isopropyl Acetate	6.348	43	7964	2.39	ug/l	95
44) Trichloroethene	7.129	130	2905	2.29	ug/l	96
45) 1,2-Dichloropropane	7.440	63	3289	2.52	ug/l	100
46) Dibromomethane	7.586	93	2226	2.52	ug/l #	82
47) Bromodichloromethane	7.830	83	3918	2.21	ug/l #	96
48) Methyl methacrylate	7.696	41	3527	2.30	ug/l #	89
49) 1,4-Dioxane	7.665	88	1618	54.13	ug/l #	95
51) 4-Methyl-2-Pentanone	8.580	43	24125	12.09	ug/l	92
52) Toluene	8.720	92	7590	2.34	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	4331	2.12	ug/l #	82
54) cis-1,3-Dichloropropene	8.372	75	4880	2.22	ug/l	94
55) 1,1,2-Trichloroethane	9.159	97	3146	2.39	ug/l	87
56) Ethyl methacrylate	9.122	69	4526	2.13	ug/l #	82
57) 1,3-Dichloropropane	9.311	76	5582	2.49	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.244	63	12580	10.95	ug/l	98
59) 2-Hexanone	9.433	43	17995	11.99	ug/l	92
60) Dibromochloromethane	9.525	129	2583	2.02	ug/l	84
61) 1,2-Dibromoethane	9.610	107	2958	2.26	ug/l	98
64) Tetrachloroethene	9.281	164	2622	2.57	ug/l #	86
65) Chlorobenzene	10.086	112	8188	2.53	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	2346	2.09	ug/l	85
67) Ethyl Benzene	10.195	91	14252	2.40	ug/l	91
68) m/p-Xylenes	10.305	106	10346	4.60	ug/l	98
69) o-Xylene	10.646	106	5378	2.46	ug/l	93
70) Styrene	10.659	104	7633	2.13	ug/l #	89
71) Bromoform	10.805	173	1655	2.13	ug/l #	99
73) Isopropylbenzene	10.963	105	13303	2.46	ug/l	97
74) N-amyl acetate	10.848	43	5917	2.30	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.220	83	4484	2.50	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	4561m	2.89	ug/l	
77) Bromobenzene	11.201	156	2905	2.53	ug/l	87
78) n-propylbenzene	11.305	91	14954	2.36	ug/l	100
79) 2-Chlorotoluene	11.366	91	9676	2.51	ug/l	95
80) 1,3,5-Trimethylbenzene	11.457	105	11155	2.48	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	1303	1.95	ug/l #	83
82) 4-Chlorotoluene	11.457	91	10145	2.29	ug/l	96
83) tert-Butylbenzene	11.719	119	10304	2.39	ug/l	89
84) 1,2,4-Trimethylbenzene	11.756	105	10926	2.42	ug/l	97
85) sec-Butylbenzene	11.896	105	12532	2.29	ug/l	98
86) p-Isopropyltoluene	12.012	119	10668	2.31	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	5757	2.60	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	5664m	2.47	ug/l	
89) n-Butylbenzene	12.335	91	9417	2.20	ug/l	98
90) Hexachloroethane	12.542	117	1529	2.00	ug/l	77
91) 1,2-Dichlorobenzene	12.335	146	5168	2.43	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	12.945	75	751	1.95	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	2927	2.28	ug/l	92
94) Hexachlorobutadiene	13.725	225	1148	2.29	ug/l	97
95) Naphthalene	13.780	128	11144	2.23	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	2965	2.29	ug/l	92

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

