

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052121\
 Data File : VX022106.D
 Acq On : 21 May 2021 11:41
 Operator : JC/MD
 Sample : M2262-09 .5PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Quant Time: May 22 06:23:25 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	92674	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	181058	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	156116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63706	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	74789	52.32	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.64%
35) Dibromofluoromethane	5.397	113	57275	49.88	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.76%
50) Toluene-d8	8.653	98	217218	49.11	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.22%
62) 4-Bromofluorobenzene	11.085	95	75403	46.12	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.24%

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Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	502	0.45	ug/l	85
3) Chloromethane	1.294	50	995	0.82	ug/l	# 85
4) Vinyl Chloride	1.373	62	675	0.52	ug/l	# 82
5) Bromomethane	1.605	94	730	0.97	ug/l	100
6) Chloroethane	1.684	64	420	0.55	ug/l	# 71
7) Trichlorofluoromethane	1.892	101	848	0.46	ug/l	# 82
8) Diethyl Ether	2.135	74	446	0.56	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.337	101	555	0.51	ug/l	# 91
10) Methyl Iodide	2.459	142	723	0.61	ug/l	# 86
11) Tert butyl alcohol	2.958	59	1411	4.32	ug/l	# 84
12) 1,1-Dichloroethene	2.324	96	531	0.50	ug/l	82
13) Acrolein	2.245	56	750	3.46	ug/l	# 64
14) Allyl chloride	2.666	41	1303	0.67	ug/l	# 90
15) Acrylonitrile	3.068	53	1639	2.55	ug/l	90
16) Acetone	2.392	43	1988	3.19	ug/l	99
17) Carbon Disulfide	2.513	76	1632	0.59	ug/l	# 86
18) Methyl Acetate	2.715	43	1123	0.68	ug/l	# 60
19) Methyl tert-butyl Ether	3.123	73	1791	0.49	ug/l	100
20) Methylene Chloride	2.800	84	1032	0.75	ug/l	# 82
21) trans-1,2-Dichloroethene	3.093	96	660	0.57	ug/l	# 82
22) Diisopropyl ether	3.775	45	1847	0.49	ug/l	# 87
23) Vinyl Acetate	3.733	43	8205	2.27	ug/l	94
24) 1,1-Dichloroethane	3.611	63	1015	0.46	ug/l	# 81
25) 2-Butanone	4.574	43	2843	2.82	ug/l	94
26) 2,2-Dichloropropane	4.489	77	1105	0.56	ug/l	# 63
27) cis-1,2-Dichloroethene	4.495	96	725	0.52	ug/l	97
28) Bromochloromethane	4.915	49	482	0.45	ug/l	# 48
29) Tetrahydrofuran	5.019	42	1628	2.72	ug/l	# 81
30) Chloroform	5.098	83	1039	0.46	ug/l	# 79
31) Cyclohexane	5.476	56	782	0.44	ug/l	86
32) 1,1,1-Trichloroethane	5.397	97	1006m	0.52	ug/l	
36) 1,1-Dichloropropene	5.708	75	986	0.59	ug/l	# 79
37) Ethyl Acetate	4.720	43	1216	0.59	ug/l	# 70
38) Carbon Tetrachloride	5.696	117	768	0.47	ug/l	# 68
39) Methylcyclohexane	7.385	83	903	0.48	ug/l	# 76
40) Benzene	6.049	78	2691	0.52	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	528m	0.48	ug/l	
42) 1,2-Dichloroethane	6.104	62	1011	0.56	ug/l #	73
43) Isopropyl Acetate	6.336	43	1927	0.57	ug/l #	82
44) Trichloroethene	7.128	130	741	0.58	ug/l	63
45) 1,2-Dichloropropane	7.433	63	528	0.40	ug/l #	87
46) Dibromomethane	7.586	93	447	0.50	ug/l #	76
47) Bromodichloromethane	7.830	83	843	0.47	ug/l #	64
48) Methyl methacrylate	7.695	41	784	0.51	ug/l	93
49) 1,4-Dioxane	7.671	88	286	9.49	ug/l #	79
51) 4-Methyl-2-Pentanone	8.579	43	4701	2.34	ug/l	91
52) Toluene	8.720	92	1564	0.48	ug/l	85
53) t-1,3-Dichloropropene	8.982	75	876	0.43	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	1069	0.48	ug/l #	91
55) 1,1,2-Trichloroethane	9.159	97	575	0.43	ug/l	93
56) Ethyl methacrylate	9.116	69	994	0.46	ug/l #	77
57) 1,3-Dichloropropane	9.317	76	1073	0.47	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.250	63	2107	1.82	ug/l	95
59) 2-Hexanone	9.433	43	3280	2.17	ug/l	94
60) Dibromochloromethane	9.518	129	512	0.40	ug/l	86
61) 1,2-Dibromoethane	9.616	107	552	0.42	ug/l	83
64) Tetrachloroethene	9.274	164	524	0.51	ug/l	90
65) Chlorobenzene	10.079	112	1468	0.45	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	507	0.45	ug/l #	59
67) Ethyl Benzene	10.201	91	3065	0.51	ug/l #	88
68) m/p-Xylenes	10.305	106	2054	0.91	ug/l	93
69) o-Xylene	10.646	106	1135	0.52	ug/l	73
70) Styrene	10.658	104	1673	0.46	ug/l	98
71) Bromoform	10.811	173	255	0.33	ug/l #	29
73) Isopropylbenzene	10.969	105	2542	0.47	ug/l	98
74) N-amyl acetate	10.847	43	1260	0.49	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.219	83	842	0.47	ug/l #	93
76) 1,2,3-Trichloropropane	11.244	75	899m	0.57	ug/l	
77) Bromobenzene	11.207	156	479	0.42	ug/l	62
78) n-propylbenzene	11.305	91	2794	0.44	ug/l	94
79) 2-Chlorotoluene	11.366	91	1705	0.45	ug/l	93
80) 1,3,5-Trimethylbenzene	11.457	105	2169	0.49	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.018	75	251m	0.38	ug/l	
82) 4-Chlorotoluene	11.457	91	2173	0.49	ug/l	100
83) tert-Butylbenzene	11.719	119	2074	0.48	ug/l	79
84) 1,2,4-Trimethylbenzene	11.756	105	1956	0.43	ug/l	95
85) sec-Butylbenzene	11.890	105	2296	0.42	ug/l	89
86) p-Isopropyltoluene	12.012	119	2111	0.46	ug/l #	83
87) 1,3-Dichlorobenzene	11.969	146	1074	0.49	ug/l	87
88) 1,4-Dichlorobenzene	12.042	146	1017m	0.45	ug/l	
89) n-Butylbenzene	12.329	91	2054	0.48	ug/l	89
90) Hexachloroethane	12.542	117	265	0.35	ug/l	85
91) 1,2-Dichlorobenzene	12.341	146	1068	0.50	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	12.944	75	169	0.44	ug/l #	39
93) 1,2,4-Trichlorobenzene	13.591	180	562	0.44	ug/l	91
94) Hexachlorobutadiene	13.725	225	209	0.42	ug/l	80
95) Naphthalene	13.780	128	2138	0.43	ug/l #	96
96) 1,2,3-Trichlorobenzene	13.969	180	546	0.42	ug/l	99

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

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