

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052121\
 Data File : VX022107.D
 Acq On : 21 May 2021 12:05
 Operator : JC/MD
 Sample : M2262-09 .75PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:50:18 PM

Quant Time: May 22 06:24:01 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	90410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	178653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	154131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63974	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	72063	51.67	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	103.34%		
35) Dibromofluoromethane	5.397	113	55181	48.71	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.42%		
50) Toluene-d8	8.653	98	211077	48.37	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.74%		
62) 4-Bromofluorobenzene	11.085	95	74117	45.95	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.90%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	667	0.61	ug/l	90
3) Chloromethane	1.294	50	1096	0.92	ug/l	98
4) Vinyl Chloride	1.374	62	929	0.74	ug/l #	86
5) Bromomethane	1.605	94	744	1.02	ug/l	87
6) Chloroethane	1.685	64	598	0.80	ug/l #	87
7) Trichlorofluoromethane	1.886	101	1257	0.70	ug/l	89
8) Diethyl Ether	2.136	74	618	0.80	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.325	101	574	0.54	ug/l #	90
10) Methyl Iodide	2.453	142	802	0.70	ug/l #	87
11) Tert butyl alcohol	2.965	59	1726	5.41	ug/l #	81
12) 1,1-Dichloroethene	2.325	96	758	0.73	ug/l #	61
13) Acrolein	2.246	56	838	3.96	ug/l #	63
14) Allyl chloride	2.672	41	1305	0.69	ug/l #	90
15) Acrylonitrile	3.075	53	2109	3.36	ug/l	98
16) Acetone	2.386	43	2583	4.25	ug/l	95
17) Carbon Disulfide	2.514	76	1931	0.71	ug/l #	91
18) Methyl Acetate	2.709	43	1198	0.74	ug/l #	87
19) Methyl tert-butyl Ether	3.130	73	2380	0.67	ug/l	100
20) Methylene Chloride	2.800	84	1463	1.09	ug/l #	80
21) trans-1,2-Dichloroethene	3.087	96	746	0.66	ug/l #	83
22) Diisopropyl ether	3.776	45	2324	0.63	ug/l	96
23) Vinyl Acetate	3.733	43	10762	3.05	ug/l	100
24) 1,1-Dichloroethane	3.611	63	1442	0.67	ug/l #	81
25) 2-Butanone	4.580	43	3446	3.51	ug/l #	87
26) 2,2-Dichloropropane	4.477	77	1075	0.56	ug/l	89
27) cis-1,2-Dichloroethene	4.489	96	859	0.63	ug/l	68
28) Bromochloromethane	4.897	49	746	0.71	ug/l #	74
29) Tetrahydrofuran	5.032	42	2123	3.63	ug/l #	78
30) Chloroform	5.099	83	1378	0.62	ug/l	93
31) Cyclohexane	5.477	56	1019	0.58	ug/l #	90
32) 1,1,1-Trichloroethane	5.385	97	1122	0.59	ug/l #	44
36) 1,1-Dichloropropene	5.702	75	1141	0.69	ug/l #	81
37) Ethyl Acetate	4.727	43	1477	0.73	ug/l #	81
38) Carbon Tetrachloride	5.684	117	920	0.57	ug/l	99
39) Methylcyclohexane	7.385	83	1161	0.62	ug/l #	85
40) Benzene	6.056	78	2938	0.58	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	762m	0.70	ug/l	
42) 1,2-Dichloroethane	6.092	62	1365	0.77	ug/l #	73
43) Isopropyl Acetate	6.355	43	2139	0.65	ug/l #	78
44) Trichloroethene	7.129	130	755	0.60	ug/l	96
45) 1,2-Dichloropropane	7.440	63	829	0.64	ug/l	92
46) Dibromomethane	7.598	93	530m	0.60	ug/l	
47) Bromodichloromethane	7.824	83	993	0.56	ug/l #	82
48) Methyl methacrylate	7.696	41	934	0.61	ug/l #	82
49) 1,4-Dioxane	7.677	88	457	15.38	ug/l #	74
51) 4-Methyl-2-Pentanone	8.580	43	6298	3.17	ug/l	91
52) Toluene	8.726	92	1956	0.61	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	988	0.49	ug/l #	40
54) cis-1,3-Dichloropropene	8.372	75	1155	0.53	ug/l #	69
55) 1,1,2-Trichloroethane	9.165	97	796	0.61	ug/l #	68
56) Ethyl methacrylate	9.122	69	1267	0.60	ug/l #	79
57) 1,3-Dichloropropane	9.311	76	1399	0.63	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	2772	2.43	ug/l	100
59) 2-Hexanone	9.439	43	4575	3.07	ug/l	90
60) Dibromochloromethane	9.525	129	739	0.58	ug/l	91
61) 1,2-Dibromoethane	9.610	107	850	0.65	ug/l	95
64) Tetrachloroethene	9.281	164	759	0.75	ug/l #	77
65) Chlorobenzene	10.079	112	2026	0.63	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.171	131	795	0.71	ug/l #	61
67) Ethyl Benzene	10.195	91	3528	0.60	ug/l	99
68) m/p-Xylenes	10.305	106	2888	1.29	ug/l	90
69) o-Xylene	10.646	106	1369	0.63	ug/l	92
70) Styrene	10.653	104	1954	0.55	ug/l	97
71) Bromoform	10.805	173	333	0.43	ug/l #	45
73) Isopropylbenzene	10.963	105	3555	0.66	ug/l	96
74) N-amyl acetate	10.842	43	1561	0.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	1283	0.71	ug/l	82
76) 1,2,3-Trichloropropane	11.244	75	1071m	0.68	ug/l	
77) Bromobenzene	11.201	156	852	0.74	ug/l	94
78) n-propylbenzene	11.305	91	3807	0.60	ug/l	100
79) 2-Chlorotoluene	11.366	91	2404	0.62	ug/l	95
80) 1,3,5-Trimethylbenzene	11.457	105	2772	0.62	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.024	75	450m	0.68	ug/l	
82) 4-Chlorotoluene	11.457	91	2662	0.60	ug/l	99
83) tert-Butylbenzene	11.719	119	2657	0.62	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	2840	0.63	ug/l	98
85) sec-Butylbenzene	11.896	105	2823	0.52	ug/l	98
86) p-Isopropyltoluene	12.012	119	2608	0.56	ug/l #	82
87) 1,3-Dichlorobenzene	11.969	146	1474	0.67	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	1667m	0.73	ug/l	
89) n-Butylbenzene	12.335	91	2389	0.56	ug/l	97
90) Hexachloroethane	12.542	117	391	0.51	ug/l	74
91) 1,2-Dichlorobenzene	12.341	146	1378	0.65	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	12.951	75	174	0.45	ug/l	86
93) 1,2,4-Trichlorobenzene	13.597	180	860	0.67	ug/l	86
94) Hexachlorobutadiene	13.725	225	260	0.52	ug/l	70
95) Naphthalene	13.780	128	2690	0.54	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.969	180	614	0.47	ug/l #	74

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

