

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071221\
 Data File : VX023236.D
 Acq On : 12 Jul 2021 12:51
 Operator : JC/MD
 Sample : M2940-09 .5PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/13/2021 6:53:51 PM

Quant Time: Jul 13 03:05:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 13 03:05:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	264882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	432151	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	378363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	167336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	178475	50.133	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 100.260%	
35) Dibromofluoromethane	5.397	113	135426	48.528	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.060%	
50) Toluene-d8	8.653	98	484948	46.586	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.180%	
62) 4-Bromofluorobenzene	11.085	95	175488	43.667	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.340%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	989	0.412	ug/l	86
3) Chloromethane	1.294	50	1275	0.537	ug/l #	83
4) Vinyl Chloride	1.374	62	1140	0.453	ug/l	99
5) Bromomethane	1.605	94	1209	0.860	ug/l	85
6) Chloroethane	1.691	64	733	0.446	ug/l #	51
7) Trichlorofluoromethane	1.886	101	1767	0.404	ug/l	84
8) Diethyl Ether	2.142	74	891	0.552	ug/l	65
9) 1,1,2-Trichlorotrifluo...	2.331	101	1539	0.602	ug/l	99
10) Methyl Iodide	2.459	142	1541	0.491	ug/l #	97
11) Tert butyl alcohol	2.971	59	3569	4.765	ug/l #	90
12) 1,1-Dichloroethene	2.325	96	1177	0.498	ug/l	88
13) Acrolein	2.239	56	1157	2.320	ug/l #	82
14) Allyl chloride	2.666	41	2135	0.520	ug/l #	81
15) Acrylonitrile	3.075	53	3264	2.241	ug/l	95
16) Acetone	2.392	43	3643	2.587	ug/l	95
17) Carbon Disulfide	2.514	76	2635	0.529	ug/l #	93
18) Methyl Acetate	2.715	43	1992	0.583	ug/l #	86
19) Methyl tert-butyl Ether	3.123	73	3666	0.415	ug/l #	88
20) Methylene Chloride	2.800	84	3392	1.119	ug/l #	92
21) trans-1,2-Dichloroethene	3.093	96	1241	0.487	ug/l	85
22) Diisopropyl ether	3.764	45	3741	0.432	ug/l #	63
23) Vinyl Acetate	3.733	43	15154	2.070	ug/l	98
24) 1,1-Dichloroethane	3.611	63	2236	0.457	ug/l #	87
25) 2-Butanone	4.587	43	5516	2.597	ug/l #	78
26) 2,2-Dichloropropane	4.477	77	2053m	0.500	ug/l	
27) cis-1,2-Dichloroethene	4.495	96	1481	0.479	ug/l	94
28) Bromochloromethane	4.916	49	1071	0.462	ug/l #	94
29) Tetrahydrofuran	5.025	42	3216	2.356	ug/l #	80
30) Chloroform	5.099	83	2945	0.558	ug/l #	79
31) Cyclohexane	5.477	56	1756	0.412	ug/l #	80
32) 1,1,1-Trichloroethane	5.403	97	2204	0.479	ug/l #	46
36) 1,1-Dichloropropene	5.690	75	1726	0.448	ug/l	91
37) Ethyl Acetate	4.733	43	2135	0.508	ug/l #	71
38) Carbon Tetrachloride	5.690	117	1831	0.455	ug/l #	89
39) Methylcyclohexane	7.391	83	1900	0.422	ug/l	93
40) Benzene	6.044	78	5076	0.454	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.952	41	1091	0.464	ug/l #	76
42) 1,2-Dichloroethane	6.098	62	2294	0.510	ug/l	97
43) Isopropyl Acetate	6.355	43	3113	0.445	ug/l #	89
44) Trichloroethene	7.135	130	2445	0.771	ug/l	80
45) 1,2-Dichloropropane	7.440	63	1208	0.414	ug/l #	87
46) Dibromomethane	7.592	93	841	0.403	ug/l	97
47) Bromodichloromethane	7.824	83	1667	0.438	ug/l #	86
48) Methyl methacrylate	7.702	41	1394	0.406	ug/l #	76
49) 1,4-Dioxane	7.671	88	716	9.275	ug/l #	87
51) 4-Methyl-2-Pentanone	8.580	43	8435	1.947	ug/l	94
52) Toluene	8.726	92	3099	0.428	ug/l	97
53) t-1,3-Dichloropropene	8.988	75	1545	0.372	ug/l #	87
54) cis-1,3-Dichloropropene	8.372	75	1775	0.402	ug/l #	86
55) 1,1,2-Trichloroethane	9.159	97	1237	0.407	ug/l #	89
56) Ethyl methacrylate	9.122	69	1813	0.386	ug/l #	67
57) 1,3-Dichloropropane	9.317	76	2061	0.410	ug/l #	82
58) 2-Chloroethyl Vinyl ether	8.251	63	4776	2.079	ug/l #	89
59) 2-Hexanone	9.439	43	6244	1.879	ug/l	84
60) Dibromochloromethane	9.531	129	1101	0.377	ug/l	99
61) 1,2-Dibromoethane	9.616	107	1113	0.357	ug/l	97
64) Tetrachloroethene	9.275	164	1418	0.470	ug/l #	85
65) Chlorobenzene	10.079	112	3278	0.438	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	1233	0.456	ug/l #	66
67) Ethyl Benzene	10.195	91	5591	0.423	ug/l #	87
68) m/p-Xylenes	10.305	106	4041	0.801	ug/l	93
69) o-Xylene	10.646	106	2123	0.417	ug/l	96
70) Styrene	10.659	104	2930	0.353	ug/l #	90
71) Bromoform	10.799	173	684	0.359	ug/l #	78
73) Isopropylbenzene	10.963	105	5293	0.449	ug/l	97
74) N-amyl acetate	10.848	43	2105	0.421	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	1782	0.476	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	1548m	0.460	ug/l	
77) Bromobenzene	11.201	156	1424	0.484	ug/l	96
78) n-propylbenzene	11.305	91	5693	0.418	ug/l	100
79) 2-Chlorotoluene	11.366	91	4142	0.492	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	4028	0.397	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.024	75	465m	0.424	ug/l	
82) 4-Chlorotoluene	11.463	91	4051	0.426	ug/l	99
83) tert-Butylbenzene	11.719	119	4540	0.471	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	4014	0.400	ug/l	97
85) sec-Butylbenzene	11.896	105	4931	0.398	ug/l	97
86) p-Isopropyltoluene	12.012	119	3871	0.372	ug/l #	78
87) 1,3-Dichlorobenzene	11.969	146	2146	0.388	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	2705m	0.486	ug/l	
89) n-Butylbenzene	12.335	91	2863	0.314	ug/l	95
90) Hexachloroethane	12.542	117	592	0.389	ug/l	99
91) 1,2-Dichlorobenzene	12.341	146	2494	0.454	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	12.945	75	393	0.493	ug/l	71
93) 1,2,4-Trichlorobenzene	13.591	180	1181	0.349	ug/l	92
94) Hexachlorobutadiene	13.731	225	534	0.372	ug/l	86
95) Naphthalene	13.780	128	4206	0.373	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1187	0.348	ug/l	87

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

