

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071221\
 Data File : VX023238.D
 Acq On : 12 Jul 2021 13:38
 Operator : JC/MD
 Sample : M2940-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/13/2021 6:53:55 PM

Quant Time: Jul 13 03:06:09 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	264814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	427496	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	378676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	174084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176714	49.651	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.300%		
35) Dibromofluoromethane	5.391	113	132412	47.965	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.940%		
50) Toluene-d8	8.653	98	486023	47.197	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.400%		
62) 4-Bromofluorobenzene	11.085	95	182590	45.929	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.860%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	5050	2.105	ug/l	93
3) Chloromethane	1.294	50	5300	2.233	ug/l	97
4) Vinyl Chloride	1.374	62	6100	2.426	ug/l	98
5) Bromomethane	1.605	94	3857	2.744	ug/l	96
6) Chloroethane	1.685	64	4146	2.521	ug/l	96
7) Trichlorofluoromethane	1.886	101	10163	2.325	ug/l	91
8) Diethyl Ether	2.142	74	4071	2.524	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	7031	2.749	ug/l	98
10) Methyl Iodide	2.453	142	6974	2.221	ug/l	93
11) Tert butyl alcohol	2.977	59	11363	15.176	ug/l	97
12) 1,1-Dichloroethene	2.319	96	5902	2.500	ug/l	99
13) Acrolein	2.239	56	5043	10.115	ug/l	97
14) Allyl chloride	2.672	41	10375	2.529	ug/l	91
15) Acrylonitrile	3.075	53	17432	11.973	ug/l	97
16) Acetone	2.386	43	16826	11.950	ug/l	88
17) Carbon Disulfide	2.514	76	12722	2.555	ug/l	96
18) Methyl Acetate	2.715	43	8455	2.474	ug/l	91
19) Methyl tert-butyl Ether	3.123	73	21666	2.454	ug/l	98
20) Methylene Chloride	2.794	84	8366	2.760	ug/l	97
21) trans-1,2-Dichloroethene	3.099	96	6568	2.576	ug/l	95
22) Diisopropyl ether	3.770	45	20246	2.341	ug/l #	87
23) Vinyl Acetate	3.733	43	85183	11.638	ug/l	97
24) 1,1-Dichloroethane	3.617	63	12231	2.503	ug/l	95
25) 2-Butanone	4.574	43	25161	11.850	ug/l	96
26) 2,2-Dichloropropane	4.483	77	10215	2.491	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	7742	2.507	ug/l	97
28) Bromochloromethane	4.910	49	5614	2.422	ug/l #	97
29) Tetrahydrofuran	5.025	42	16024	11.740	ug/l	93
30) Chloroform	5.105	83	13248	2.510	ug/l	97
31) Cyclohexane	5.477	56	10024	2.352	ug/l	94
32) 1,1,1-Trichloroethane	5.397	97	11395	2.479	ug/l	98
36) 1,1-Dichloropropene	5.702	75	9019	2.367	ug/l	98
37) Ethyl Acetate	4.733	43	10147	2.441	ug/l	97
38) Carbon Tetrachloride	5.678	117	9662	2.429	ug/l #	84
39) Methylcyclohexane	7.385	83	10640	2.387	ug/l	94
40) Benzene	6.050	78	26901	2.431	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	5722	2.462	ug/l	90
42) 1,2-Dichloroethane	6.105	62	11695	2.630	ug/l	97
43) Isopropyl Acetate	6.348	43	16252	2.350	ug/l	94
44) Trichloroethene	7.129	130	8867	2.825	ug/l	96
45) 1,2-Dichloropropane	7.434	63	6994	2.421	ug/l	98
46) Dibromomethane	7.586	93	4895	2.373	ug/l	97
47) Bromodichloromethane	7.836	83	8615	2.287	ug/l	91
48) Methyl methacrylate	7.702	41	7361	2.169	ug/l	85
49) 1,4-Dioxane	7.677	88	3546	46.434	ug/l #	88
51) 4-Methyl-2-Pentanone	8.580	43	47395	11.061	ug/l	92
52) Toluene	8.726	92	17397	2.429	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	9267	2.254	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	10046	2.302	ug/l	95
55) 1,1,2-Trichloroethane	9.159	97	7418	2.467	ug/l	91
56) Ethyl methacrylate	9.122	69	10158	2.186	ug/l #	85
57) 1,3-Dichloropropane	9.311	76	11471	2.308	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.251	63	26138	11.502	ug/l	100
59) 2-Hexanone	9.433	43	35644	10.841	ug/l	87
60) Dibromochloromethane	9.525	129	5886	2.038	ug/l	98
61) 1,2-Dibromoethane	9.616	107	7012	2.272	ug/l	95
64) Tetrachloroethene	9.281	164	7586	2.512	ug/l	92
65) Chlorobenzene	10.086	112	18267	2.440	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.171	131	6858	2.534	ug/l	93
67) Ethyl Benzene	10.195	91	32091	2.425	ug/l	98
68) m/p-Xylenes	10.305	106	23649	4.681	ug/l	95
69) o-Xylene	10.646	106	12225	2.401	ug/l	98
70) Styrene	10.659	104	18213	2.190	ug/l	91
71) Bromoform	10.805	173	4044	2.121	ug/l #	98
73) Isopropylbenzene	10.963	105	31049	2.532	ug/l	100
74) N-amyl acetate	10.848	43	11578	2.225	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.220	83	10068	2.584	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	9275m	2.648	ug/l	
77) Bromobenzene	11.201	156	8109	2.648	ug/l	92
78) n-propylbenzene	11.305	91	34210	2.412	ug/l	99
79) 2-Chlorotoluene	11.366	91	22079	2.519	ug/l	98
80) 1,3,5-Trimethylbenzene	11.457	105	26147	2.476	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	2546m	2.231	ug/l	
82) 4-Chlorotoluene	11.457	91	24935	2.519	ug/l	100
83) tert-Butylbenzene	11.719	119	25365	2.531	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	24961	2.392	ug/l	98
85) sec-Butylbenzene	11.896	105	30528	2.367	ug/l	99
86) p-Isopropyltoluene	12.012	119	24742	2.287	ug/l	96
87) 1,3-Dichlorobenzene	11.975	146	14245	2.478	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	14632	2.527	ug/l	89
89) n-Butylbenzene	12.335	91	20582	2.172	ug/l	95
90) Hexachloroethane	12.542	117	3618	2.283	ug/l	89
91) 1,2-Dichlorobenzene	12.341	146	14135	2.471	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1967	2.372	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	7356	2.088	ug/l	98
94) Hexachlorobutadiene	13.725	225	3670	2.460	ug/l	100
95) Naphthalene	13.780	128	25483	2.175	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	8233	2.323	ug/l	95

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

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