

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021481.D
 Acq On : 25 Mar 2021 13:33
 Operator : JC/MD
 Sample : M1458-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/26/2021 1:14:01 PM

Quant Time: Mar 26 04:15:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 26 04:13:36 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.629	168	70518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	119991	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	111133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	48747	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	59512	50.72	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.44%
35) Dibromofluoromethane	5.470	113	41232	48.38	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.76%
50) Toluene-d8	8.694	98	144501	47.58	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.16%
62) 4-Bromofluorobenzene	11.118	95	52907	44.80	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.60%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.181	85	1920	2.48	ug/l	95
3) Chloromethane	1.311	50	4381	4.43	ug/l	93
4) Vinyl Chloride	1.393	62	2014	2.54	ug/l #	88
5) Bromomethane	1.622	94	1132	3.55	ug/l	93
6) Chloroethane	1.699	64	1340	2.67	ug/l	93
7) Trichlorofluoromethane	1.911	101	3398	2.64	ug/l	90
8) Diethyl Ether	2.170	74	1117	2.50	ug/l	63
9) 1,1,2-Trichlorotrifluo...	2.364	101	1873	2.58	ug/l	95
10) Methyl Iodide	2.487	142	1244	2.44	ug/l #	86
11) Tert butyl alcohol	3.023	59	2582	13.31	ug/l #	92
12) 1,1-Dichloroethene	2.352	96	1656	2.33	ug/l #	76
13) Acrolein	2.270	56	1781	16.50	ug/l	92
14) Allyl chloride	2.705	41	3614	2.51	ug/l #	87
15) Acrylonitrile	3.117	53	5802	12.59	ug/l	94
16) Acetone	2.422	43	5979	13.48	ug/l #	83
17) Carbon Disulfide	2.546	76	4481	2.25	ug/l #	94
18) Methyl Acetate	2.752	43	3216	2.51	ug/l #	87
19) Methyl tert-butyl Ether	3.170	73	6394	2.41	ug/l	97
20) Methylene Chloride	2.840	84	2344	2.71	ug/l #	91
21) trans-1,2-Dichloroethene	3.140	96	1903	2.44	ug/l	90
22) Diisopropyl ether	3.829	45	6724	2.40	ug/l	92
23) Vinyl Acetate	3.787	43	27768	11.71	ug/l #	91
24) 1,1-Dichloroethane	3.670	63	3827	2.53	ug/l	95
25) 2-Butanone	4.640	43	8570	12.74	ug/l	98
26) 2,2-Dichloropropane	4.552	77	2870	2.19	ug/l	97
27) cis-1,2-Dichloroethene	4.558	96	2314	2.55	ug/l	93
28) Bromochloromethane	4.982	49	1998	2.64	ug/l #	85
29) Tetrahydrofuran	5.099	42	5672	13.01	ug/l #	83
30) Chloroform	5.176	83	3994	2.50	ug/l	93
31) Cyclohexane	5.552	56	3121	2.42	ug/l #	82
32) 1,1,1-Trichloroethane	5.470	97	3519	2.49	ug/l	92
36) 1,1-Dichloropropene	5.776	75	2987	2.54	ug/l	92
37) Ethyl Acetate	4.805	43	3526	2.59	ug/l #	82
38) Carbon Tetrachloride	5.752	117	3152	2.49	ug/l #	80
39) Methylcyclohexane	7.435	83	3122	2.40	ug/l	94
40) Benzene	6.111	78	8204	2.46	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.023	41	1875	2.38	ug/l #	43
42) 1,2-Dichloroethane	6.164	62	3773	2.61	ug/l	96
43) Isopropyl Acetate	6.417	43	5596	2.54	ug/l #	89
44) Trichloroethene	7.188	130	2131	2.42	ug/l	85
45) 1,2-Dichloropropane	7.494	63	2311	2.56	ug/l	94
46) Dibromomethane	7.635	93	1629	2.47	ug/l	90
47) Bromodichloromethane	7.876	83	3154	2.35	ug/l #	96
48) Methyl methacrylate	7.747	41	2791	2.37	ug/l #	75
49) 1,4-Dioxane	7.717	88	1099	52.13	ug/l #	81
51) 4-Methyl-2-Pentanone	8.623	43	16411	12.09	ug/l	87
52) Toluene	8.764	92	4794	2.32	ug/l	91
53) t-1,3-Dichloropropene	9.017	75	2767	2.04	ug/l	90
54) cis-1,3-Dichloropropene	8.417	75	3011	2.09	ug/l #	77
55) 1,1,2-Trichloroethane	9.200	97	2123	2.44	ug/l	91
56) Ethyl methacrylate	9.159	69	2972	2.26	ug/l #	68
57) 1,3-Dichloropropane	9.353	76	3787	2.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.294	63	7619	10.36	ug/l	96
59) 2-Hexanone	9.470	43	11877	11.65	ug/l	84
60) Dibromochloromethane	9.565	129	2218	2.28	ug/l	100
61) 1,2-Dibromoethane	9.653	107	2246	2.40	ug/l	99
64) Tetrachloroethene	9.318	164	1999	2.69	ug/l	95
65) Chlorobenzene	10.123	112	5347	2.39	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.206	131	2075	2.43	ug/l	97
67) Ethyl Benzene	10.235	91	8957	2.20	ug/l	93
68) m/p-Xylenes	10.341	106	6513	4.49	ug/l	96
69) o-Xylene	10.682	106	3189	2.27	ug/l	93
70) Styrene	10.694	104	5294	2.19	ug/l	97
71) Bromoform	10.835	173	1509	2.17	ug/l #	97
73) Isopropylbenzene	11.000	105	8419	2.46	ug/l	99
74) N-amyl acetate	10.877	43	4044	2.44	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.253	83	3201	2.65	ug/l	97
76) 1,2,3-Trichloropropane	11.277	75	3198m	2.82	ug/l	
77) Bromobenzene	11.235	156	2201	2.59	ug/l	93
78) n-propylbenzene	11.341	91	9790	2.42	ug/l	97
79) 2-Chlorotoluene	11.406	91	6254	2.55	ug/l	98
80) 1,3,5-Trimethylbenzene	11.488	105	7115	2.43	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.059	75	728m	1.95	ug/l	
82) 4-Chlorotoluene	11.494	91	7269	2.50	ug/l	94
83) tert-Butylbenzene	11.753	119	6689	2.35	ug/l	91
84) 1,2,4-Trimethylbenzene	11.788	105	6979	2.37	ug/l	96
85) sec-Butylbenzene	11.930	105	7683	2.34	ug/l	98
86) p-Isopropyltoluene	12.047	119	6784	2.27	ug/l	93
87) 1,3-Dichlorobenzene	12.012	146	3945	2.58	ug/l	98
88) 1,4-Dichlorobenzene	12.083	146	3941	2.49	ug/l	84
89) n-Butylbenzene	12.371	91	6200	2.26	ug/l	92
90) Hexachloroethane	12.577	117	1157	2.14	ug/l	92
91) 1,2-Dichlorobenzene	12.371	146	3771	2.54	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.983	75	756	2.71	ug/l	70
93) 1,2,4-Trichlorobenzene	13.630	180	2098	2.15	ug/l	97
94) Hexachlorobutadiene	13.765	225	1028	2.34	ug/l	97
95) Naphthalene	13.818	128	6541	2.06	ug/l	98
96) 1,2,3-Trichlorobenzene	14.000	180	2230	2.29	ug/l	98

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

