

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021441.D
 Acq On : 24 Mar 2021 17:15
 Operator : JC/MD
 Sample : M1458-07 .5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/25/2021 9:50:09 AM

Quant Time: Mar 25 03:24:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 25 03:23:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.635	168	79288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	135579	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.100	117	118307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	50610	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	67900	51.47	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.94%
35) Dibromofluoromethane	5.464	113	45998	47.76	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.52%
50) Toluene-d8	8.694	98	160910	46.89	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.78%
62) 4-Bromofluorobenzene	11.118	95	57992	43.46	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.92%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	358	0.41	ug/l	95
3) Chloromethane	1.316	50	2755	2.48	ug/l	100
4) Vinyl Chloride	1.393	62	534	0.60	ug/l	97
5) Bromomethane	1.628	94	454	1.27	ug/l	90
6) Chloroethane	1.711	64	295	0.52	ug/l #	69
7) Trichlorofluoromethane	1.917	101	755	0.52	ug/l	98
8) Diethyl Ether	2.170	74	342	0.68	ug/l	68
9) 1,1,2-Trichlorotrifluo...	2.358	101	444	0.54	ug/l	86
10) Methyl Iodide	2.493	142	360	0.63	ug/l #	91
11) Tert butyl alcohol	3.017	59	643	2.95	ug/l #	82
12) 1,1-Dichloroethene	2.352	96	375	0.47	ug/l #	58
13) Acrolein	2.275	56	459	3.78	ug/l #	69
14) Allyl chloride	2.705	41	930	0.57	ug/l #	88
15) Acrylonitrile	3.123	53	1296	2.50	ug/l #	94
16) Acetone	2.422	43	1591	3.19	ug/l	98
17) Carbon Disulfide	2.552	76	1090	0.49	ug/l #	48
18) Methyl Acetate	2.752	43	980	0.68	ug/l #	79
19) Methyl tert-butyl Ether	3.170	73	1557	0.52	ug/l	91
20) Methylene Chloride	2.834	84	743	0.76	ug/l #	84
21) trans-1,2-Dichloroethene	3.140	96	428	0.49	ug/l #	85
22) Diisopropyl ether	3.834	45	1581	0.50	ug/l #	88
23) Vinyl Acetate	3.787	43	6428	2.41	ug/l #	94
24) 1,1-Dichloroethane	3.670	63	837	0.49	ug/l #	81
25) 2-Butanone	4.640	43	2001	2.65	ug/l	94
26) 2,2-Dichloropropane	4.558	77	687	0.47	ug/l #	70
27) cis-1,2-Dichloroethene	4.582	96	457	0.45	ug/l	84
28) Bromochloromethane	4.993	49	445m	0.52	ug/l	
29) Tetrahydrofuran	5.105	42	1377	2.81	ug/l #	77
30) Chloroform	5.176	83	935	0.52	ug/l #	57
31) Cyclohexane	5.552	56	728	0.50	ug/l #	87
32) 1,1,1-Trichloroethane	5.470	97	795	0.50	ug/l #	24
36) 1,1-Dichloropropene	5.764	75	718	0.54	ug/l #	72
37) Ethyl Acetate	4.805	43	877	0.57	ug/l #	64
38) Carbon Tetrachloride	5.752	117	719	0.50	ug/l #	79
39) Methylcyclohexane	7.447	83	709	0.48	ug/l #	84
40) Benzene	6.111	78	1907	0.51	ug/l #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.005	41	486	0.55	ug/l #	48
42) 1,2-Dichloroethane	6.176	62	937	0.57	ug/l #	73
43) Isopropyl Acetate	6.417	43	1327	0.53	ug/l #	83
44) Trichloroethene	7.182	130	581	0.58	ug/l	91
45) 1,2-Dichloropropane	7.488	63	481	0.47	ug/l	100
46) Dibromomethane	7.647	93	306	0.41	ug/l	95
47) Bromodichloromethane	7.882	83	716	0.47	ug/l #	94
48) Methyl methacrylate	7.747	41	746	0.56	ug/l #	66
49) 1,4-Dioxane	7.717	88	229	9.61	ug/l	86
51) 4-Methyl-2-Pentanone	8.623	43	3385	2.21	ug/l	90
52) Toluene	8.764	92	1115	0.48	ug/l	94
53) t-1,3-Dichloropropene	9.023	75	626	0.41	ug/l #	86
54) cis-1,3-Dichloropropene	8.417	75	788	0.48	ug/l #	77
55) 1,1,2-Trichloroethane	9.194	97	505	0.51	ug/l #	88
56) Ethyl methacrylate	9.165	69	672	0.45	ug/l #	48
57) 1,3-Dichloropropane	9.353	76	795	0.47	ug/l	95
59) 2-Hexanone	9.476	43	2480	2.15	ug/l	83
60) Dibromochloromethane	9.565	129	473	0.43	ug/l	97
61) 1,2-Dibromoethane	9.653	107	471	0.45	ug/l	98
64) Tetrachloroethene	9.323	164	420	0.53	ug/l	90
65) Chlorobenzene	10.118	112	1054	0.44	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.206	131	408	0.45	ug/l #	63
67) Ethyl Benzene	10.235	91	1963	0.45	ug/l	99
68) m/p-Xylenes	10.347	106	1317	0.85	ug/l	84
69) o-Xylene	10.682	106	661	0.44	ug/l	83
70) Styrene	10.694	104	1121	0.44	ug/l #	91
71) Bromoform	10.841	173	337	0.46	ug/l #	85
73) Isopropylbenzene	11.000	105	1853	0.52	ug/l	93
74) N-amyl acetate	10.882	43	925	0.54	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.247	83	705	0.56	ug/l	96
76) 1,2,3-Trichloropropane	11.282	75	706m	0.60	ug/l	
77) Bromobenzene	11.235	156	411	0.47	ug/l	61
78) n-propylbenzene	11.341	91	2169	0.52	ug/l	100
79) 2-Chlorotoluene	11.406	91	1344	0.53	ug/l	94
80) 1,3,5-Trimethylbenzene	11.488	105	1539	0.51	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.053	75	183m	0.47	ug/l	
82) 4-Chlorotoluene	11.494	91	1481	0.49	ug/l	98
83) tert-Butylbenzene	11.753	119	1518	0.51	ug/l	94
84) 1,2,4-Trimethylbenzene	11.788	105	1398	0.46	ug/l	96
85) sec-Butylbenzene	11.930	105	1571	0.46	ug/l	94
86) p-Isopropyltoluene	12.047	119	1353	0.44	ug/l #	73
87) 1,3-Dichlorobenzene	12.006	146	777	0.49	ug/l	91
88) 1,4-Dichlorobenzene	12.083	146	912m	0.56	ug/l	
89) n-Butylbenzene	12.371	91	1236	0.43	ug/l	93
90) Hexachloroethane	12.577	117	196	0.35	ug/l	92
91) 1,2-Dichlorobenzene	12.377	146	842	0.55	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.989	75	135	0.47	ug/l	80
93) 1,2,4-Trichlorobenzene	13.624	180	458	0.45	ug/l	95
94) Hexachlorobutadiene	13.765	225	151	0.33	ug/l #	78
95) Naphthalene	13.812	128	1504	0.46	ug/l	98
96) 1,2,3-Trichlorobenzene	14.000	180	450	0.45	ug/l	97

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

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