

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030821\
 Data File : VX021059.D
 Acq On : 08 Mar 2021 14:37
 Operator : JC/MD
 Sample : MDL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 3/9/2021 3:04:14 PM

Quant Time: Mar 09 02:46:29 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 09 02:46:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.635	168	220296	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.829	114	377567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	347069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	159155	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	143554	48.24	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.48%
35) Dibromofluoromethane	5.470	113	118517	51.66	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.32%
50) Toluene-d8	8.694	98	459774	51.40	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.80%
62) 4-Bromofluorobenzene	11.118	95	164622	49.77	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.54%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	1121	0.47	ug/l	96
3) Chloromethane	1.311	50	1438	0.54	ug/l	92
4) Vinyl Chloride	1.399	62	1537	0.50	ug/l	95
5) Bromomethane	1.634	94	1291	1.18	ug/l	96
6) Chloroethane	1.711	64	1010	0.53	ug/l #	77
7) Trichlorofluoromethane	1.923	101	1891	0.49	ug/l	92
8) Diethyl Ether	2.170	74	935	0.52	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.370	101	1178	0.50	ug/l	92
10) Methyl Iodide	2.493	142	1356	0.43	ug/l	98
11) Tert butyl alcohol	2.999	59	1338	2.02	ug/l #	91
12) 1,1-Dichloroethene	2.358	96	1285	0.52	ug/l	84
13) Acrolein	2.270	56	786	1.92	ug/l	90
14) Allyl chloride	2.705	41	2212	0.55	ug/l	94
15) Acrylonitrile	3.117	53	3005	2.13	ug/l	99
16) Acetone	2.417	43	4239	3.46	ug/l	97
17) Carbon Disulfide	2.552	76	3652	0.52	ug/l	97
18) Methyl Acetate	2.752	43	1554	0.54	ug/l	91
19) Methyl tert-butyl Ether	3.164	73	3897	0.44	ug/l #	89
20) Methylene Chloride	2.840	84	2053	0.70	ug/l #	92
21) trans-1,2-Dichloroethene	3.140	96	1276	0.46	ug/l #	76
22) Diisopropyl ether	3.823	45	3887	0.48	ug/l #	95
23) Vinyl Acetate	3.787	43	13892	2.01	ug/l	98
24) 1,1-Dichloroethane	3.676	63	2288	0.48	ug/l	97
25) 2-Butanone	4.635	43	4458	2.39	ug/l	98
26) 2,2-Dichloropropane	4.552	77	1815	0.42	ug/l	99
27) cis-1,2-Dichloroethene	4.564	96	1561	0.49	ug/l	89
28) Bromochloromethane	4.988	49	1211	0.59	ug/l #	90
29) Tetrahydrofuran	5.099	42	2901	2.43	ug/l	98
30) Chloroform	5.182	83	2483	0.52	ug/l	94
31) Cyclohexane	5.552	56	2033	0.47	ug/l	87
32) 1,1,1-Trichloroethane	5.464	97	1966	0.47	ug/l #	50
36) 1,1-Dichloropropene	5.776	75	1868	0.52	ug/l	96
37) Ethyl Acetate	4.799	43	1879	0.55	ug/l #	88
38) Carbon Tetrachloride	5.752	117	1869	0.54	ug/l	96
39) Methylcyclohexane	7.441	83	2062	0.46	ug/l #	86
40) Benzene	6.117	78	5223	0.49	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.999	41	1037	0.54	ug/l #	22
42) 1,2-Dichloroethane	6.158	62	2078	0.58	ug/l	86
43) Isopropyl Acetate	6.405	43	2599	0.45	ug/l	97
44) Trichloroethene	7.188	130	1518	0.54	ug/l	92
45) 1,2-Dichloropropane	7.482	63	1241	0.46	ug/l	92
46) Dibromomethane	7.641	93	897	0.49	ug/l	94
47) Bromodichloromethane	7.882	83	1793	0.47	ug/l	93
48) Methyl methacrylate	7.747	41	1507	0.52	ug/l #	86
49) 1,4-Dioxane	7.723	88	664	9.76	ug/l #	78
51) 4-Methyl-2-Pentanone	8.617	43	7050	2.08	ug/l	99
52) Toluene	8.765	92	3329	0.50	ug/l	99
53) t-1,3-Dichloropropene	9.023	75	1823	0.43	ug/l	91
54) cis-1,3-Dichloropropene	8.417	75	2210	0.48	ug/l	96
55) 1,1,2-Trichloroethane	9.194	97	1357	0.51	ug/l	91
56) Ethyl methacrylate	9.159	69	1815	0.42	ug/l	88
57) 1,3-Dichloropropane	9.353	76	2292	0.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.294	63	3276	1.56	ug/l	99
59) 2-Hexanone	9.471	43	5526	2.18	ug/l	94
60) Dibromochloromethane	9.565	129	1328	0.48	ug/l	95
61) 1,2-Dibromoethane	9.653	107	1363	0.49	ug/l	99
64) Tetrachloroethene	9.318	164	1383	0.55	ug/l #	84
65) Chlorobenzene	10.124	112	3560	0.49	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.206	131	1132	0.42	ug/l #	59
67) Ethyl Benzene	10.235	91	5907	0.45	ug/l	97
68) m/p-Xylenes	10.341	106	4344	0.89	ug/l	96
69) o-Xylene	10.682	106	2173	0.46	ug/l	98
70) Styrene	10.694	104	3345	0.41	ug/l	96
71) Bromoform	10.835	173	919	0.44	ug/l #	100
73) Isopropylbenzene	11.000	105	5534	0.44	ug/l	99
74) N-amyl acetate	10.883	43	1944	0.38	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.253	83	1844	0.46	ug/l	97
76) 1,2,3-Trichloropropane	11.277	75	1611m	0.47	ug/l	
77) Bromobenzene	11.236	156	1538	0.53	ug/l	99
78) n-propylbenzene	11.341	91	6120	0.43	ug/l	95
79) 2-Chlorotoluene	11.406	91	4065	0.47	ug/l	98
80) 1,3,5-Trimethylbenzene	11.488	105	4322	0.41	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.059	75	587m	0.38	ug/l	
82) 4-Chlorotoluene	11.494	91	4475	0.45	ug/l	100
83) tert-Butylbenzene	11.753	119	4499	0.44	ug/l	99
84) 1,2,4-Trimethylbenzene	11.789	105	4322	0.41	ug/l	95
85) sec-Butylbenzene	11.930	105	4843	0.40	ug/l	98
86) p-Isopropyltoluene	12.047	119	4358	0.40	ug/l	87
87) 1,3-Dichlorobenzene	12.012	146	2557	0.49	ug/l	97
88) 1,4-Dichlorobenzene	12.083	146	2531m	0.47	ug/l	
89) n-Butylbenzene	12.371	91	3618	0.37	ug/l	97
90) Hexachloroethane	12.577	117	783	0.37	ug/l	90
91) 1,2-Dichlorobenzene	12.371	146	2326	0.46	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.983	75	350	0.38	ug/l	94
93) 1,2,4-Trichlorobenzene	13.624	180	1262	0.38	ug/l	94
94) Hexachlorobutadiene	13.765	225	565	0.43	ug/l	91
95) Naphthalene	13.818	128	3095	0.27	ug/l	97
96) 1,2,3-Trichlorobenzene	14.001	180	1143	0.35	ug/l	99

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

