

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030921\
 Data File : VX021100.D
 Acq On : 09 Mar 2021 11:17
 Operator : JC/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 3/10/2021 1:43:17 PM

Quant Time: Mar 10 01:34:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 10 01:34:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.623	168	217917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	364383	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	325573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	148431	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.023	65	142429	48.39	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.78%
35) Dibromofluoromethane	5.458	113	115659	52.24	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.48%
50) Toluene-d8	8.694	98	442510	51.26	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.52%
62) 4-Bromofluorobenzene	11.118	95	154021	48.25	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.50%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	1093	0.46	ug/l	97
3) Chloromethane	1.311	50	1634	0.62	ug/l	89
4) Vinyl Chloride	1.393	62	1488	0.49	ug/l	96
5) Bromomethane	1.628	94	1507	1.39	ug/l	90
6) Chloroethane	1.711	64	1012	0.54	ug/l	89
7) Trichlorofluoromethane	1.917	101	1807	0.47	ug/l	84
8) Diethyl Ether	2.170	74	848	0.48	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.370	101	1061	0.45	ug/l	98
10) Methyl Iodide	2.493	142	1584	0.50	ug/l	98
11) Tert butyl alcohol	3.005	59	1634	2.49	ug/l #	94
12) 1,1-Dichloroethene	2.358	96	1320	0.54	ug/l	85
13) Acrolein	2.270	56	670	1.65	ug/l #	78
14) Allyl chloride	2.711	41	2096	0.53	ug/l	93
15) Acrylonitrile	3.111	53	3092	2.21	ug/l	96
16) Acetone	2.423	43	3043	2.51	ug/l	100
17) Carbon Disulfide	2.552	76	3871	0.56	ug/l	97
18) Methyl Acetate	2.746	43	1380	0.48	ug/l	100
19) Methyl tert-butyl Ether	3.170	73	3700	0.42	ug/l	94
20) Methylene Chloride	2.835	84	1761	0.61	ug/l #	92
21) trans-1,2-Dichloroethene	3.135	96	1223	0.45	ug/l	98
22) Diisopropyl ether	3.823	45	3569	0.45	ug/l	95
23) Vinyl Acetate	3.782	43	13699	2.00	ug/l	97
24) 1,1-Dichloroethane	3.670	63	2227	0.47	ug/l #	90
25) 2-Butanone	4.635	43	3519	1.91	ug/l	98
26) 2,2-Dichloropropane	4.552	77	1694	0.40	ug/l	91
27) cis-1,2-Dichloroethene	4.564	96	1551	0.49	ug/l	92
28) Bromochloromethane	4.976	49	642	0.32	ug/l #	84
29) Tetrahydrofuran	5.088	42	2627	2.22	ug/l	97
30) Chloroform	5.170	83	2348	0.49	ug/l	91
31) Cyclohexane	5.547	56	1857	0.44	ug/l	96
32) 1,1,1-Trichloroethane	5.458	97	1951	0.47	ug/l #	49
36) 1,1-Dichloropropene	5.776	75	1739	0.50	ug/l	94
37) Ethyl Acetate	4.794	43	1308	0.40	ug/l #	94
38) Carbon Tetrachloride	5.753	117	1799	0.54	ug/l	88
39) Methylcyclohexane	7.435	83	1913	0.44	ug/l	90
40) Benzene	6.106	78	5122	0.49	ug/l	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.000	41	998	0.54	ug/l #	47
42) 1,2-Dichloroethane	6.158	62	2089	0.61	ug/l	98
43) Isopropyl Acetate	6.406	43	2479	0.44	ug/l	97
44) Trichloroethene	7.182	130	1429	0.52	ug/l	97
45) 1,2-Dichloropropane	7.488	63	1328	0.51	ug/l	92
46) Dibromomethane	7.635	93	896	0.51	ug/l	95
47) Bromodichloromethane	7.876	83	1791	0.49	ug/l	100
48) Methyl methacrylate	7.747	41	1336	0.48	ug/l	92
49) 1,4-Dioxane	7.718	88	646	9.84	ug/l #	78
51) 4-Methyl-2-Pentanone	8.618	43	6961	2.13	ug/l	99
52) Toluene	8.765	92	3147	0.49	ug/l	98
53) t-1,3-Dichloropropene	9.024	75	1739	0.42	ug/l	99
54) cis-1,3-Dichloropropene	8.412	75	1963	0.44	ug/l	93
55) 1,1,2-Trichloroethane	9.194	97	1255	0.49	ug/l	89
56) Ethyl methacrylate	9.159	69	1768	0.43	ug/l	92
57) 1,3-Dichloropropane	9.353	76	2302	0.53	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.288	63	4150	2.05	ug/l	98
59) 2-Hexanone	9.471	43	5527	2.26	ug/l	91
60) Dibromochloromethane	9.565	129	1292	0.48	ug/l	91
61) 1,2-Dibromoethane	9.653	107	1309	0.49	ug/l	96
64) Tetrachloroethene	9.318	164	1368	0.58	ug/l	96
65) Chlorobenzene	10.118	112	3608	0.53	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.200	131	1096	0.43	ug/l #	59
67) Ethyl Benzene	10.235	91	6048	0.49	ug/l	99
68) m/p-Xylenes	10.341	106	4302	0.94	ug/l	98
69) o-Xylene	10.683	106	2089	0.47	ug/l	94
70) Styrene	10.694	104	3183	0.42	ug/l	96
71) Bromoform	10.836	173	889	0.45	ug/l #	96
73) Isopropylbenzene	11.000	105	5354	0.46	ug/l	100
74) N-amyl acetate	10.877	43	1922	0.40	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.247	83	1677	0.44	ug/l	97
76) 1,2,3-Trichloropropane	11.277	75	1752m	0.55	ug/l	
77) Bromobenzene	11.236	156	1332	0.49	ug/l	85
78) n-propylbenzene	11.342	91	5837	0.44	ug/l	97
79) 2-Chlorotoluene	11.406	91	3903	0.48	ug/l	98
80) 1,3,5-Trimethylbenzene	11.489	105	4178	0.43	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.053	75	501m	0.35	ug/l	
82) 4-Chlorotoluene	11.494	91	4276	0.46	ug/l	96
83) tert-Butylbenzene	11.753	119	4420	0.47	ug/l	96
84) 1,2,4-Trimethylbenzene	11.789	105	4336	0.44	ug/l	98
85) sec-Butylbenzene	11.930	105	4585	0.41	ug/l	99
86) p-Isopropyltoluene	12.047	119	4327	0.42	ug/l	91
87) 1,3-Dichlorobenzene	12.006	146	2552	0.52	ug/l	98
88) 1,4-Dichlorobenzene	12.083	146	2584m	0.52	ug/l	
89) n-Butylbenzene	12.371	91	3482	0.38	ug/l	99
90) Hexachloroethane	12.577	117	805	0.41	ug/l	85
91) 1,2-Dichlorobenzene	12.377	146	2400	0.50	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.983	75	335	0.39	ug/l	90
93) 1,2,4-Trichlorobenzene	13.630	180	1288	0.42	ug/l	95
94) Hexachlorobutadiene	13.765	225	558	0.46	ug/l	92
95) Naphthalene	13.818	128	2977	0.27	ug/l	98
96) 1,2,3-Trichlorobenzene	14.007	180	1077	0.35	ug/l	93

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

