

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030821\
 Data File : VX021060.D
 Acq On : 08 Mar 2021 14:59
 Operator : JC/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 3/9/2021 3:04:19 PM

Quant Time: Mar 09 02:47:08 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	5.629	168	215979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	372208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	340698	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	144005	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	140439	48.14	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 96.28%			
35) Dibromofluoromethane	5.470	113	115787	51.20	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.40%			
50) Toluene-d8	8.694	98	447354	50.73	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.46%			
62) 4-Bromofluorobenzene	11.118	95	156927	48.13	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	1178	0.50	ug/l	96
3) Chloromethane	1.311	50	1591	0.61	ug/l #	81
4) Vinyl Chloride	1.393	62	1597	0.53	ug/l	96
5) Bromomethane	1.629	94	1338	1.24	ug/l	88
6) Chloroethane	1.717	64	953	0.51	ug/l #	75
7) Trichlorofluoromethane	1.923	101	1942	0.51	ug/l	96
8) Diethyl Ether	2.170	74	973	0.56	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.364	101	1155	0.50	ug/l	98
10) Methyl Iodide	2.493	142	1464	0.47	ug/l	96
11) Tert butyl alcohol	3.005	59	1428	2.20	ug/l #	87
12) 1,1-Dichloroethene	2.358	96	1209	0.50	ug/l	99
13) Acrolein	2.276	56	782	1.94	ug/l	89
14) Allyl chloride	2.711	41	2152	0.54	ug/l	95
15) Acrylonitrile	3.123	53	3059	2.21	ug/l	96
16) Acetone	2.417	43	3995	3.32	ug/l	91
17) Carbon Disulfide	2.552	76	3521	0.51	ug/l #	94
18) Methyl Acetate	2.746	43	1664	0.59	ug/l #	85
19) Methyl tert-butyl Ether	3.164	73	4032	0.47	ug/l	100
20) Methylene Chloride	2.835	84	2049	0.71	ug/l	94
21) trans-1,2-Dichloroethene	3.140	96	1336	0.49	ug/l	90
22) Diisopropyl ether	3.829	45	3665	0.46	ug/l	94
23) Vinyl Acetate	3.788	43	14141	2.08	ug/l	98
24) 1,1-Dichloroethane	3.670	63	2401	0.51	ug/l #	91
25) 2-Butanone	4.635	43	4401	2.41	ug/l	95
26) 2,2-Dichloropropane	4.547	77	1781	0.42	ug/l	96
27) cis-1,2-Dichloroethene	4.564	96	1561	0.50	ug/l	90
28) Bromochloromethane	4.988	49	859m	0.43	ug/l	
29) Tetrahydrofuran	5.088	42	3105	2.65	ug/l	94
30) Chloroform	5.176	83	2387	0.51	ug/l	94
31) Cyclohexane	5.564	56	2081	0.49	ug/l #	82
32) 1,1,1-Trichloroethane	5.470	97	1932	0.47	ug/l #	44
36) 1,1-Dichloropropene	5.776	75	2008	0.57	ug/l	88
37) Ethyl Acetate	4.794	43	1804	0.54	ug/l #	88
38) Carbon Tetrachloride	5.753	117	1955	0.57	ug/l #	83
39) Methylcyclohexane	7.441	83	2118	0.48	ug/l	96
40) Benzene	6.117	78	5371	0.51	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	5.005	41	1094	0.58	ug/l #	69
42) 1,2-Dichloroethane	6.164	62	2065	0.59	ug/l	97
43) Isopropyl Acetate	6.406	43	2727	0.48	ug/l #	93
44) Trichloroethene	7.188	130	1324	0.47	ug/l	92
45) 1,2-Dichloropropane	7.488	63	1317	0.50	ug/l	99
46) Dibromomethane	7.629	93	892	0.50	ug/l	97
47) Bromodichloromethane	7.876	83	1882	0.50	ug/l	95
48) Methyl methacrylate	7.747	41	1438	0.50	ug/l	94
49) 1,4-Dioxane	7.718	88	590	8.80	ug/l #	68
51) 4-Methyl-2-Pentanone	8.618	43	7244	2.17	ug/l	96
52) Toluene	8.765	92	3560	0.54	ug/l	95
53) t-1,3-Dichloropropene	9.024	75	1785	0.43	ug/l	92
54) cis-1,3-Dichloropropene	8.418	75	2016	0.44	ug/l #	93
55) 1,1,2-Trichloroethane	9.194	97	1389	0.53	ug/l	95
56) Ethyl methacrylate	9.159	69	1761	0.42	ug/l #	87
57) 1,3-Dichloropropane	9.353	76	2285	0.51	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.288	63	4561	2.21	ug/l	99
59) 2-Hexanone	9.471	43	5572	2.23	ug/l	91
60) Dibromochloromethane	9.571	129	1329	0.48	ug/l	98
61) 1,2-Dibromoethane	9.653	107	1342	0.49	ug/l	98
64) Tetrachloroethene	9.318	164	1449	0.59	ug/l	98
65) Chlorobenzene	10.118	112	3646	0.51	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.200	131	1184	0.45	ug/l #	63
67) Ethyl Benzene	10.236	91	6014	0.46	ug/l	98
68) m/p-Xylenes	10.341	106	4462	0.93	ug/l	98
69) o-Xylene	10.683	106	2192	0.47	ug/l	98
70) Styrene	10.694	104	3480	0.43	ug/l	97
71) Bromoform	10.836	173	871	0.43	ug/l #	95
73) Isopropylbenzene	11.000	105	5627	0.49	ug/l	98
74) N-amyl acetate	10.877	43	2052	0.45	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.247	83	1871	0.51	ug/l	96
76) 1,2,3-Trichloropropane	11.283	75	1808m	0.58	ug/l	
77) Bromobenzene	11.242	156	1414	0.53	ug/l	98
78) n-propylbenzene	11.342	91	6116	0.47	ug/l	96
79) 2-Chlorotoluene	11.406	91	4076	0.52	ug/l	95
80) 1,3,5-Trimethylbenzene	11.489	105	4556	0.48	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.059	75	492m	0.35	ug/l	
82) 4-Chlorotoluene	11.495	91	4299	0.47	ug/l	97
83) tert-Butylbenzene	11.753	119	4366	0.47	ug/l	96
84) 1,2,4-Trimethylbenzene	11.789	105	4325	0.45	ug/l	96
85) sec-Butylbenzene	11.930	105	4845	0.45	ug/l	97
86) p-Isopropyltoluene	12.048	119	4489	0.45	ug/l	89
87) 1,3-Dichlorobenzene	12.012	146	2503	0.53	ug/l	100
88) 1,4-Dichlorobenzene	12.083	146	2513m	0.52	ug/l	
89) n-Butylbenzene	12.371	91	3626	0.41	ug/l	99
90) Hexachloroethane	12.583	117	750	0.40	ug/l	87
91) 1,2-Dichlorobenzene	12.377	146	2462	0.53	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.983	75	396	0.47	ug/l	76
93) 1,2,4-Trichlorobenzene	13.630	180	1247	0.42	ug/l	96
94) Hexachlorobutadiene	13.765	225	615	0.52	ug/l	98
95) Naphthalene	13.818	128	3122	0.30	ug/l	98
96) 1,2,3-Trichlorobenzene	14.001	180	1088	0.37	ug/l	85

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

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