

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX020918\
 Data File : VX000053.D
 Acq On : 09 Feb 2018 20:17
 Operator : JC/MD
 Sample : MDL03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ClientSampled :
 MDL03

Manual Integrations
 APPROVED

sam
 2/14/2018 5:30:04 PM

Quant Time: Feb 12 09:11:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X020918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 09 23:01:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	124392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	205395	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	191632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	102650	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	67161	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
35) Dibromofluoromethane	5.52	113	56654	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
50) Toluene-d8	8.73	98	208918	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
62) 4-Bromofluorobenzene	11.15	95	82694	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	683	0.61	ug/l	89
3) Chloromethane	1.33	50	766	0.67	ug/l #	80
4) Vinyl Chloride	1.41	62	806	0.62	ug/l	92
5) Bromomethane	1.65	94	875	1.27	ug/l #	67
7) Trichlorofluoromethane	1.94	101	1402	0.62	ug/l	93
8) Diethyl Ether	2.19	74	504	0.62	ug/l #	19
9) 1,1,2-Trichlorotrifluoroet	2.39	101	760	0.60	ug/l #	91
12) 1,1-Dichloroethene	2.39	96	701	0.58	ug/l #	89
14) Allyl chloride	2.73	41	1231	0.59	ug/l	90
15) Acrylonitrile	3.16	53	2703	2.98	ug/l #	94
16) Acetone	2.45	43	3713	4.83	ug/l	97
17) Carbon Disulfide	2.57	76	2574	0.73	ug/l	96
18) Methyl Acetate	2.79	43	1351	0.70	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	2471	0.60	ug/l #	81
20) Methylene Chloride	2.87	84	915	0.71	ug/l #	85
21) trans-1,2-Dichloroethene	3.17	96	871	0.67	ug/l #	90
22) Diisopropyl ether	3.89	45	1929	0.56	ug/l #	87
23) Vinyl Acetate	3.84	43	7031	2.24	ug/l #	93
24) 1,1-Dichloroethane	3.70	63	1426	0.66	ug/l #	83
25) 2-Butanone	4.73	43	3718	3.20	ug/l	93
26) 2,2-Dichloropropane	4.59	77	1169	0.63	ug/l #	62
27) cis-1,2-Dichloroethene	4.61	96	706	0.55	ug/l	97
28) Bromochloromethane	5.03	49	345m	0.48	ug/l	
29) Tetrahydrofuran	5.19	42	2192	2.75	ug/l	96
30) Chloroform	5.24	83	1270	0.58	ug/l #	80
31) Cyclohexane	5.59	56	1182	0.67	ug/l #	86
32) 1,1,1-Trichloroethane	5.51	97	1025	0.50	ug/l #	47
36) 1,1-Dichloropropene	5.81	75	1053	0.59	ug/l	93
37) Ethyl Acetate	4.89	43	1494	0.65	ug/l #	67
38) Carbon Tetrachloride	5.81	117	1357	0.68	ug/l #	79
39) Methylcyclohexane	7.47	83	1331	0.61	ug/l	99
40) Benzene	6.16	78	2719	0.54	ug/l	94
41) Methacrylonitrile	5.08	41	980	0.83	ug/l #	46
42) 1,2-Dichloroethane	6.21	62	958	0.53	ug/l #	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Isopropyl Acetate	6.48	43	1952	0.56	ug/l #	93
44) Trichloroethene	7.22	130	778	0.50	ug/l	93
45) 1,2-Dichloropropane	7.53	63	705	0.57	ug/l	95
46) Dibromomethane	7.67	93	526	0.55	ug/l	82
47) Bromodichloromethane	7.92	83	1010	0.55	ug/l #	84
48) Methyl methacrylate	7.79	41	1033	0.60	ug/l #	85
49) 1,4-Dioxane	7.78	88	399	8.76	ug/l #	72
51) 4-Methyl-2-Pentanone	8.66	43	5588	2.30	ug/l	94
52) Toluene	8.79	92	1850	0.54	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	1057	0.49	ug/l #	80
54) cis-1,3-Dichloropropene	9.05	75	1073	0.51	ug/l #	92
55) 1,1,2-Trichloroethane	9.23	97	598	0.42	ug/l #	77
56) Ethyl methacrylate	9.20	69	964	0.44	ug/l #	67
57) 1,3-Dichloropropane	9.38	76	1164	0.53	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.33	63	2724	2.53	ug/l	97
59) 2-Hexanone	9.51	43	4861	2.46	ug/l	96
60) Dibromochloromethane	9.59	129	726	0.44	ug/l	90
61) 1,2-Dibromoethane	9.68	107	721	0.46	ug/l	97
64) Tetrachloroethene	9.35	164	844	0.59	ug/l #	83
65) Chlorobenzene	10.15	112	2115	0.53	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.23	131	693	0.48	ug/l #	66
67) Ethyl Benzene	10.26	91	3611	0.55	ug/l	91
68) m/p-Xylenes	10.37	106	2873	1.09	ug/l	99
69) o-Xylene	10.71	106	1291	0.51	ug/l	100
70) Styrene	10.72	104	2094	0.49	ug/l	95
71) Bromoform	10.87	173	496	0.37	ug/l #	74
73) Isopropylbenzene	11.03	105	3512	0.54	ug/l	98
74) N-amyl acetate	6.48	43	1952	0.60	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	1193	0.54	ug/l	92
76) 1,2,3-Trichloropropane	11.30	75	991m	0.51	ug/l	
77) Bromobenzene	11.27	156	989	0.56	ug/l	93
78) n-propylbenzene	11.37	91	4663	0.62	ug/l	100
79) 2-Chlorotoluene	11.43	91	2577	0.59	ug/l	97
80) 1,3,5-Trimethylbenzene	11.52	105	2945	0.54	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.09	75	336m	0.43	ug/l	
82) 4-Chlorotoluene	11.52	91	3155	0.60	ug/l	97
83) tert-Butylbenzene	11.78	119	2981	0.54	ug/l	92
84) 1,2,4-Trimethylbenzene	11.82	105	2982	0.53	ug/l	91
85) sec-Butylbenzene	11.96	105	3965	0.58	ug/l	99
86) p-Isopropyltoluene	12.07	119	3634	0.60	ug/l	92
87) 1,3-Dichlorobenzene	12.04	146	2082	0.63	ug/l	94
88) 1,4-Dichlorobenzene	12.11	146	2212m	0.65	ug/l	
89) n-Butylbenzene	12.40	91	3766	0.66	ug/l	100
90) Hexachloroethane	12.61	117	495	0.46	ug/l	80
91) 1,2-Dichlorobenzene	12.40	146	1907	0.59	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.01	75	372	0.59	ug/l	75
93) 1,2,4-Trichlorobenzene	13.66	180	1539	0.62	ug/l	94
94) Hexachlorobutadiene	13.79	225	690	0.59	ug/l	96
95) Naphthalene	13.84	128	4416	0.55	ug/l	98
96) 1,2,3-Trichlorobenzene	14.03	180	1385	0.57	ug/l	99

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

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