

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX020918\
 Data File : VX000051.D
 Acq On : 09 Feb 2018 19:23
 Operator : JC/MD
 Sample : MDL01 0.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 MDL01 0.5PPB

Manual Integrations
 APPROVED

sam
 2/14/2018 5:29:46 PM

Quant Time: Feb 12 09:00:45 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	130610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	214246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	198884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	105352	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	71075	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
35) Dibromofluoromethane	5.52	113	61033	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	8.73	98	220697	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
62) 4-Bromofluorobenzene	11.15	95	87810	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	798	0.67	ug/l	93
3) Chloromethane	1.32	50	721	0.60	ug/l	91
4) Vinyl Chloride	1.40	62	648	0.48	ug/l #	88
5) Bromomethane	1.65	94	977	1.35	ug/l	95
7) Trichlorofluoromethane	1.94	101	1296	0.55	ug/l #	81
8) Diethyl Ether	2.20	74	417	0.49	ug/l #	21
9) 1,1,2-Trichlorotrifluoroet	2.39	101	948	0.71	ug/l #	84
12) 1,1-Dichloroethene	2.39	96	732	0.58	ug/l #	67
14) Allyl chloride	2.73	41	1396	0.63	ug/l	86
15) Acrylonitrile	3.16	53	2804	2.95	ug/l	89
16) Acetone	2.45	43	3335	4.13	ug/l	99
17) Carbon Disulfide	2.57	76	2958	0.80	ug/l #	95
18) Methyl Acetate	2.79	43	1495	0.73	ug/l	95
19) Methyl tert-butyl Ether	3.23	73	2224	0.51	ug/l	92
20) Methylene Chloride	2.87	84	968	0.72	ug/l #	91
21) trans-1,2-Dichloroethene	3.17	96	910	0.67	ug/l	92
22) Diisopropyl ether	3.89	45	1702	0.47	ug/l #	94
23) Vinyl Acetate	3.84	43	7097	2.15	ug/l	94
24) 1,1-Dichloroethane	3.71	63	1226	0.54	ug/l #	83
25) 2-Butanone	4.73	43	3634	2.98	ug/l #	85
26) 2,2-Dichloropropane	4.59	77	1056	0.54	ug/l #	74
27) cis-1,2-Dichloroethene	4.60	96	662	0.50	ug/l	85
28) Bromochloromethane	5.04	49	343m	0.46	ug/l	
29) Tetrahydrofuran	5.20	42	2428	2.91	ug/l #	79
30) Chloroform	5.23	83	1173	0.51	ug/l	97
31) Cyclohexane	5.59	56	1134	0.61	ug/l #	83
32) 1,1,1-Trichloroethane	5.52	97	1021	0.47	ug/l #	25
36) 1,1-Dichloropropene	5.81	75	1254	0.67	ug/l	89
37) Ethyl Acetate	4.89	43	1339	0.56	ug/l #	73
38) Carbon Tetrachloride	5.79	117	1273	0.61	ug/l #	84
39) Methylcyclohexane	7.47	83	1388	0.61	ug/l #	87
40) Benzene	6.15	78	2423	0.46	ug/l	93
41) Methacrylonitrile	5.07	41	807	0.65	ug/l #	70
42) 1,2-Dichloroethane	6.21	62	921	0.49	ug/l #	74

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

43) Isopropyl Acetate	6.48	43	1951	0.54	ug/l #	84
44) Trichloroethene	7.22	130	858	0.53	ug/l	67
45) 1,2-Dichloropropane	7.53	63	642	0.50	ug/l #	80
46) Dibromomethane	7.67	93	463	0.47	ug/l	94
47) Bromodichloromethane	7.92	83	926	0.48	ug/l #	97
48) Methyl methacrylate	7.79	41	964	0.54	ug/l	85
49) 1,4-Dioxane	7.77	88	460	9.69	ug/l #	84
51) 4-Methyl-2-Pentanone	8.67	43	5772	2.28	ug/l	98
52) Toluene	8.79	92	1840	0.52	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	1004	0.45	ug/l #	73
54) cis-1,3-Dichloropropene	9.06	75	1031	0.47	ug/l	92
55) 1,1,2-Trichloroethane	9.23	97	691	0.47	ug/l #	91
56) Ethyl methacrylate	9.20	69	974	0.43	ug/l #	73
57) 1,3-Dichloropropane	9.38	76	1149	0.50	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.32	63	2864	2.55	ug/l	100
59) 2-Hexanone	9.51	43	4585	2.23	ug/l	99
60) Dibromochloromethane	9.59	129	684	0.40	ug/l	97
61) 1,2-Dibromoethane	9.68	107	749	0.46	ug/l	99
64) Tetrachloroethene	9.34	164	875	0.59	ug/l	97
65) Chlorobenzene	10.15	112	2255	0.55	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.23	131	711	0.48	ug/l #	67
67) Ethyl Benzene	10.26	91	3675	0.54	ug/l	99
68) m/p-Xylenes	10.37	106	2777	1.02	ug/l	98
69) o-Xylene	10.71	106	1260	0.48	ug/l	92
70) Styrene	10.72	104	2112	0.47	ug/l	95
71) Bromoform	10.87	173	632	0.45	ug/l #	89
73) Isopropylbenzene	11.03	105	3536	0.53	ug/l	92
74) N-amyl acetate	6.48	43	1951	0.58	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.28	83	1086	0.48	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	1009m	0.51	ug/l	
77) Bromobenzene	11.27	156	868	0.48	ug/l	77
78) n-propylbenzene	11.37	91	4766	0.61	ug/l	98
79) 2-Chlorotoluene	11.43	91	2569	0.57	ug/l	100
80) 1,3,5-Trimethylbenzene	11.52	105	3142	0.56	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	372m	0.46	ug/l	
82) 4-Chlorotoluene	11.52	91	3393	0.63	ug/l	97
83) tert-Butylbenzene	11.78	119	2804	0.50	ug/l	92
84) 1,2,4-Trimethylbenzene	11.82	105	3126	0.55	ug/l	94
85) sec-Butylbenzene	11.96	105	3975	0.57	ug/l	98
86) p-Isopropyltoluene	12.07	119	3763	0.60	ug/l	90
87) 1,3-Dichlorobenzene	12.04	146	2266	0.66	ug/l	97
88) 1,4-Dichlorobenzene	12.11	146	2303m	0.66	ug/l	
89) n-Butylbenzene	12.40	91	3906	0.67	ug/l	98
90) Hexachloroethane	12.60	117	508	0.46	ug/l	78
91) 1,2-Dichlorobenzene	12.40	146	1851	0.55	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.01	75	296	0.45	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	1735	0.68	ug/l	97
94) Hexachlorobutadiene	13.79	225	800	0.66	ug/l	95
95) Naphthalene	13.84	128	4513	0.54	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	1529	0.61	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

