

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000067.D
 Acq On : 12 Feb 2018 15:53
 Operator : JC/MD
 Sample : MDL 02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ClientSampled :
 MDL 02

Manual Integrations
 APPROVED

MMDadoda
 2/15/2018 6:05:15 PM

Quant Time: Feb 13 03:34:43 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	106094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	177269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	168778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	90164	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	54010	48.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.44%	
35) Dibromofluoromethane	5.52	113	45434	43.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.80%	
50) Toluene-d8	8.73	98	169280	43.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.90%	
62) 4-Bromofluorobenzene	11.15	95	67345	42.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	2118	2.20	ug/l	96
3) Chloromethane	1.32	50	2352	2.40	ug/l	90
4) Vinyl Chloride	1.41	62	2487	2.25	ug/l	97
5) Bromomethane	1.64	94	2459	4.17	ug/l	93
6) Chloroethane	1.73	64	2082	3.14	ug/l	97
7) Trichlorofluoromethane	1.93	101	4427	2.30	ug/l	98
8) Diethyl Ether	2.20	74	1750	2.51	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2244	2.07	ug/l	95
10) Methyl Iodide	2.52	142	1932	3.11	ug/l	97
11) Tert butyl alcohol	3.08	59	5889	13.28	ug/l	96
12) 1,1-Dichloroethene	2.38	96	2202	2.14	ug/l	91
13) Acrolein	2.30	56	2814	12.36	ug/l	87
14) Allyl chloride	2.73	41	4002	2.23	ug/l	99
15) Acrylonitrile	3.15	53	9482	12.27	ug/l	98
16) Acetone	2.45	43	8999	13.71	ug/l	92
17) Carbon Disulfide	2.57	76	6252	2.08	ug/l	96
18) Methyl Acetate	2.79	43	4362	2.64	ug/l	97
19) Methyl tert-butyl Ether	3.22	73	8093	2.30	ug/l	94
20) Methylene Chloride	2.87	84	2609	2.37	ug/l	# 94
21) trans-1,2-Dichloroethene	3.17	96	2644	2.39	ug/l	87
22) Diisopropyl ether	3.89	45	6315	2.13	ug/l	94
23) Vinyl Acetate	3.84	43	27405	10.24	ug/l	99
24) 1,1-Dichloroethane	3.71	63	4266	2.32	ug/l	99
25) 2-Butanone	4.73	43	12436	12.56	ug/l	94
26) 2,2-Dichloropropane	4.60	77	3761	2.38	ug/l	91
27) cis-1,2-Dichloroethene	4.61	96	2529	2.33	ug/l	97
28) Bromochloromethane	5.03	49	1446	2.37	ug/l	# 96
29) Tetrahydrofuran	5.18	42	8250	12.16	ug/l	99
30) Chloroform	5.23	83	4273	2.30	ug/l	98
31) Cyclohexane	5.59	56	3253	2.15	ug/l	# 94
32) 1,1,1-Trichloroethane	5.51	97	3782	2.17	ug/l	98
36) 1,1-Dichloropropene	5.81	75	3180	2.06	ug/l	96
37) Ethyl Acetate	4.87	43	4537	2.28	ug/l	98
38) Carbon Tetrachloride	5.79	117	3393	1.96	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	3616	1.93	ug/l #	88
40) Benzene	6.15	78	9179	2.10	ug/l	99
41) Methacrylonitrile	5.08	41	1821m	1.78	ug/l	
42) 1,2-Dichloroethane	6.21	62	3564	2.29	ug/l	100
43) Isopropyl Acetate	6.48	43	6238	2.08	ug/l	97
44) Trichloroethene	7.22	130	2863	2.12	ug/l	98
45) 1,2-Dichloropropane	7.53	63	2175	2.05	ug/l	100
46) Dibromomethane	7.67	93	1619	1.98	ug/l	90
47) Bromodichloromethane	7.91	83	3252	2.04	ug/l #	81
48) Methyl methacrylate	7.79	41	3197	2.17	ug/l	93
49) 1,4-Dioxane	7.77	88	1626	41.38	ug/l #	95
51) 4-Methyl-2-Pentanone	8.66	43	21753	10.39	ug/l	98
52) Toluene	8.79	92	5720	1.95	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	3614	1.94	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	3431	1.90	ug/l	93
55) 1,1,2-Trichloroethane	9.23	97	2269	1.85	ug/l	97
56) Ethyl methacrylate	9.20	69	3452	1.83	ug/l #	90
57) 1,3-Dichloropropane	9.38	76	3732	1.95	ug/l	88
58) 2-Chloroethyl Vinyl ether	8.32	63	9669	10.38	ug/l	99
59) 2-Hexanone	9.51	43	18267	10.73	ug/l	97
60) Dibromochloromethane	9.59	129	2587	1.83	ug/l	99
61) 1,2-Dibromoethane	9.68	107	2763	2.04	ug/l	96
64) Tetrachloroethene	9.34	164	2454	1.95	ug/l	93
65) Chlorobenzene	10.15	112	6867	1.96	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	10.23	131	2429	1.93	ug/l	96
67) Ethyl Benzene	10.26	91	11371	1.96	ug/l	98
68) m/p-Xylenes	10.37	106	8762	3.78	ug/l	98
69) o-Xylene	10.71	106	4470	2.00	ug/l	97
70) Styrene	10.72	104	6722	1.78	ug/l	94
71) Bromoform	10.87	173	1898	1.59	ug/l #	88
73) Isopropylbenzene	11.02	105	11534	2.02	ug/l	97
74) N-amyl acetate	6.48	43	6238	2.18	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	3931	2.02	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	3627m	2.14	ug/l	
77) Bromobenzene	11.27	156	2965	1.91	ug/l	89
78) n-propylbenzene	11.37	91	13916	2.10	ug/l	96
79) 2-Chlorotoluene	11.43	91	7843	2.04	ug/l	100
80) 1,3,5-Trimethylbenzene	11.52	105	9745	2.03	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	1185	1.73	ug/l #	85
82) 4-Chlorotoluene	11.52	91	9488	2.07	ug/l	97
83) tert-Butylbenzene	11.78	119	10121	2.09	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	9915	2.02	ug/l	98
85) sec-Butylbenzene	11.96	105	12065	2.02	ug/l	99
86) p-Isopropyltoluene	12.07	119	10726	2.00	ug/l	97
87) 1,3-Dichlorobenzene	12.04	146	5911	2.02	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	5838m	1.95	ug/l	
89) n-Butylbenzene	12.40	91	9798	1.96	ug/l	97
90) Hexachloroethane	12.60	117	1713	1.83	ug/l	89
91) 1,2-Dichlorobenzene	12.40	146	5897	2.06	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1215	2.18	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	4215	1.93	ug/l	97
94) Hexachlorobutadiene	13.79	225	1906	1.85	ug/l	92
95) Naphthalene	13.84	128	15054	2.12	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	4478	2.10	ug/l	95

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

