

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000060.D
 Acq On : 12 Feb 2018 12:34
 Operator : JC/MD
 Sample : MDL 04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ClientSampled :
 MDL 04

Manual Integrations
 APPROVED

MMDadoda
 2/15/2018 6:05:08 PM

Quant Time: Feb 15 17:13:55 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	5.67	168	135014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	214504	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	201855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	111513	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	70926	50.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.56%	
35) Dibromofluoromethane	5.51	113	60933	48.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.30%	
50) Toluene-d8	8.73	98	225797	48.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.15	95	91226	48.13	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	638	0.52	ug/l	81
3) Chloromethane	1.32	50	778	0.62	ug/l	97
4) Vinyl Chloride	1.41	62	822	0.59	ug/l #	74
5) Bromomethane	1.65	94	953	1.27	ug/l	88
6) Chloroethane	1.73	64	1603m	1.90	ug/l	
7) Trichlorofluoromethane	1.93	101	1196	0.49	ug/l	100
8) Diethyl Ether	2.19	74	493	0.56	ug/l #	23
9) 1,1,2-Trichlorotrifluoroet	2.40	101	791	0.57	ug/l	92
10) Methyl Iodide	2.53	142	1013	2.28	ug/l #	95
11) Tert butyl alcohol	3.07	59	1914	3.39	ug/l #	73
12) 1,1-Dichloroethene	2.39	96	776	0.59	ug/l #	75
13) Acrolein	2.29	56	1065	3.68	ug/l #	74
14) Allyl chloride	2.73	41	1310	0.57	ug/l	96
15) Acrylonitrile	3.16	53	2909	2.96	ug/l	95
16) Acetone	2.45	43	2888	3.46	ug/l	100
17) Carbon Disulfide	2.58	76	2453	0.64	ug/l	97
18) Methyl Acetate	2.78	43	1826	0.87	ug/l	91
19) Methyl tert-butyl Ether	3.21	73	2325	0.52	ug/l #	84
20) Methylene Chloride	2.86	84	953	0.68	ug/l #	88
21) trans-1,2-Dichloroethene	3.17	96	861	0.61	ug/l	99
22) Diisopropyl ether	3.87	45	2422	0.64	ug/l #	89
23) Vinyl Acetate	3.83	43	9823	2.88	ug/l	99
24) 1,1-Dichloroethane	3.71	63	1307	0.56	ug/l #	93
25) 2-Butanone	4.71	43	4126	3.27	ug/l	96
26) 2,2-Dichloropropane	4.60	77	1212	0.60	ug/l #	55
27) cis-1,2-Dichloroethene	4.60	96	690	0.50	ug/l	87
28) Bromochloromethane	5.03	49	491	0.63	ug/l #	81
29) Tetrahydrofuran	5.18	42	2899	3.36	ug/l	96
30) Chloroform	5.23	83	1298	0.55	ug/l #	76
31) Cyclohexane	5.59	56	1218	0.63	ug/l	92
32) 1,1,1-Trichloroethane	5.51	97	1137	0.51	ug/l #	49
36) 1,1-Dichloropropene	5.81	75	1185	0.63	ug/l #	82
37) Ethyl Acetate	4.87	43	1806	0.75	ug/l #	75
38) Carbon Tetrachloride	5.79	117	1226	0.58	ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	1180	0.52	ug/l	# 88
40) Benzene	6.15	78	2765	0.52	ug/l	94
41) Methacrylonitrile	5.07	41	965m	0.78	ug/l	
42) 1,2-Dichloroethane	6.20	62	1034	0.55	ug/l	87
43) Isopropyl Acetate	6.48	43	1942	0.53	ug/l	# 89
44) Trichloroethene	7.23	130	780	0.48	ug/l	93
45) 1,2-Dichloropropane	7.52	63	712	0.55	ug/l	98
46) Dibromomethane	7.67	93	589	0.59	ug/l	# 84
47) Bromodichloromethane	7.91	83	969	0.50	ug/l	# 89
48) Methyl methacrylate	7.79	41	1079	0.60	ug/l	90
49) 1,4-Dioxane	7.77	88	467	9.82	ug/l	# 65
51) 4-Methyl-2-Pentanone	8.66	43	6766	2.67	ug/l	93
52) Toluene	8.79	92	1734	0.49	ug/l	93
53) t-1,3-Dichloropropene	8.45	75	976	0.43	ug/l	# 78
54) cis-1,3-Dichloropropene	9.05	75	1098	0.50	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	777	0.52	ug/l	93
56) Ethyl methacrylate	9.19	69	1242	0.54	ug/l	90
57) 1,3-Dichloropropane	9.38	76	1168	0.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	3190	2.83	ug/l	99
59) 2-Hexanone	9.51	43	5529	2.68	ug/l	94
60) Dibromochloromethane	9.59	129	838	0.49	ug/l	94
61) 1,2-Dibromoethane	9.68	107	760	0.46	ug/l	89
64) Tetrachloroethene	9.34	164	842	0.56	ug/l	86
65) Chlorobenzene	10.15	112	2083	0.50	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.23	131	699	0.46	ug/l	# 66
67) Ethyl Benzene	10.26	91	3571	0.51	ug/l	99
68) m/p-Xylenes	10.37	106	2987	1.08	ug/l	94
69) o-Xylene	10.71	106	1332	0.50	ug/l	97
70) Styrene	10.72	104	2020	0.45	ug/l	96
71) Bromoform	10.87	173	629	0.44	ug/l	# 93
73) Isopropylbenzene	11.03	105	3834	0.54	ug/l	97
74) N-amyl acetate	6.48	43	1942	0.55	ug/l	# 89
75) 1,1,2,2-Tetrachloroethane	11.27	83	1173	0.49	ug/l	95
76) 1,2,3-Trichloropropane	11.31	75	1304m	0.62	ug/l	
77) Bromobenzene	11.26	156	899	0.47	ug/l	86
78) n-propylbenzene	11.37	91	4399	0.54	ug/l	97
79) 2-Chlorotoluene	11.43	91	2737	0.58	ug/l	98
80) 1,3,5-Trimethylbenzene	11.52	105	2976	0.50	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.08	75	353m	0.42	ug/l	
82) 4-Chlorotoluene	11.52	91	3078	0.54	ug/l	100
83) tert-Butylbenzene	11.78	119	3066	0.51	ug/l	95
84) 1,2,4-Trimethylbenzene	11.82	105	3346	0.55	ug/l	93
85) sec-Butylbenzene	11.96	105	3913	0.53	ug/l	93
86) p-Isopropyltoluene	12.07	119	3477	0.52	ug/l	88
87) 1,3-Dichlorobenzene	12.04	146	1948	0.54	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	2186m	0.59	ug/l	
89) n-Butylbenzene	12.40	91	3367	0.54	ug/l	98
90) Hexachloroethane	12.60	117	600	0.52	ug/l	72
91) 1,2-Dichlorobenzene	12.40	146	1796	0.51	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	13.01	75	360	0.52	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1545	0.57	ug/l	95
94) Hexachlorobutadiene	13.79	225	739	0.58	ug/l	87
95) Naphthalene	13.84	128	4788	0.54	ug/l #	97
96) 1,2,3-Trichlorobenzene	14.03	180	1527	0.58	ug/l	91

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

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