

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000062.D
 Acq On : 12 Feb 2018 13:27
 Operator : JC/MD
 Sample : MDL 06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ClientSampled :
 MDL 06

Manual Integrations
 APPROVED

MMDadoda
 2/15/2018 6:05:11 PM

Quant Time: Feb 15 17:15:21 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	124280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	204296	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	191964	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	103540	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	66532	51.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.48%	
35) Dibromofluoromethane	5.52	113	57295	48.03	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.06%	
50) Toluene-d8	8.73	98	209106	47.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	11.15	95	83068	46.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	791	0.70	ug/l	81
3) Chloromethane	1.33	50	862	0.75	ug/l #	80
4) Vinyl Chloride	1.41	62	778	0.60	ug/l	90
5) Bromomethane	1.65	94	942	1.36	ug/l #	78
6) Chloroethane	1.73	64	837m	1.08	ug/l	
7) Trichlorofluoromethane	1.93	101	1343	0.60	ug/l	100
8) Diethyl Ether	2.20	74	527	0.65	ug/l	59
9) 1,1,2-Trichlorotrifluoroet	2.39	101	729	0.57	ug/l	88
10) Methyl Iodide	2.52	142	927	2.28	ug/l #	94
11) Tert butyl alcohol	3.08	59	1836	3.53	ug/l #	76
12) 1,1-Dichloroethene	2.39	96	756	0.63	ug/l #	82
13) Acrolein	2.30	56	1053	3.95	ug/l	87
14) Allyl chloride	2.74	41	1341	0.64	ug/l	89
15) Acrylonitrile	3.16	53	2948	3.26	ug/l	97
16) Acetone	2.46	43	2889	3.76	ug/l	94
17) Carbon Disulfide	2.57	76	2328	0.66	ug/l #	92
18) Methyl Acetate	2.79	43	1384	0.71	ug/l	97
19) Methyl tert-butyl Ether	3.22	73	2575	0.62	ug/l #	86
20) Methylene Chloride	2.87	84	1004	0.78	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	841	0.65	ug/l #	83
22) Diisopropyl ether	3.89	45	1887	0.54	ug/l #	85
23) Vinyl Acetate	3.84	43	7921	2.53	ug/l	96
24) 1,1-Dichloroethane	3.70	63	1434	0.66	ug/l #	83
25) 2-Butanone	4.72	43	4404	3.80	ug/l #	83
26) 2,2-Dichloropropane	4.59	77	1261	0.68	ug/l	81
27) cis-1,2-Dichloroethene	4.61	96	808	0.64	ug/l	84
28) Bromochloromethane	5.03	49	416	0.58	ug/l #	85
29) Tetrahydrofuran	5.18	42	2988	3.76	ug/l	92
30) Chloroform	5.23	83	1311	0.60	ug/l	92
31) Cyclohexane	5.59	56	1077	0.61	ug/l	91
32) 1,1,1-Trichloroethane	5.51	97	1272	0.62	ug/l #	47
36) 1,1-Dichloropropene	5.82	75	1057	0.59	ug/l	96
37) Ethyl Acetate	4.88	43	1558	0.68	ug/l #	78
38) Carbon Tetrachloride	5.79	117	1272	0.64	ug/l #	71

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 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)
39) Methylcyclohexane	7.48	83	1227	0.57	ug/l	99
40) Benzene	6.15	78	2973	0.59	ug/l	92
41) Methacrylonitrile	5.08	41	1004m	0.85	ug/l	
42) 1,2-Dichloroethane	6.21	62	1060	0.59	ug/l #	74
43) Isopropyl Acetate	6.48	43	2161	0.62	ug/l #	86
44) Trichloroethene	7.22	130	827	0.53	ug/l	99
45) 1,2-Dichloropropane	7.52	63	653	0.53	ug/l	90
46) Dibromomethane	7.67	93	470	0.50	ug/l	95
47) Bromodichloromethane	7.91	83	1010	0.55	ug/l #	94
48) Methyl methacrylate	7.79	41	1079	0.63	ug/l #	81
49) 1,4-Dioxane	7.77	88	517	11.42	ug/l #	54
51) 4-Methyl-2-Pentanone	8.66	43	6846	2.84	ug/l	92
52) Toluene	8.79	92	1870	0.55	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	1197	0.56	ug/l #	88
54) cis-1,3-Dichloropropene	9.05	75	1174	0.56	ug/l	94
55) 1,1,2-Trichloroethane	9.23	97	793	0.56	ug/l #	87
56) Ethyl methacrylate	9.20	69	1165	0.54	ug/l #	83
57) 1,3-Dichloropropane	9.38	76	1168	0.53	ug/l #	86
58) 2-Chloroethyl Vinyl ether	8.32	63	2800	2.61	ug/l	93
59) 2-Hexanone	9.51	43	5706	2.91	ug/l	93
60) Dibromochloromethane	9.59	129	753	0.46	ug/l	92
61) 1,2-Dibromoethane	9.68	107	727	0.47	ug/l	87
64) Tetrachloroethene	9.35	164	740	0.52	ug/l	96
65) Chlorobenzene	10.15	112	2305	0.58	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	717	0.50	ug/l #	64
67) Ethyl Benzene	10.26	91	3677	0.56	ug/l	90
68) m/p-Xylenes	10.37	106	2889	1.10	ug/l	98
69) o-Xylene	10.71	106	1474	0.58	ug/l	100
70) Styrene	10.72	104	2114	0.49	ug/l #	90
71) Bromoform	10.87	173	646	0.48	ug/l #	97
73) Isopropylbenzene	11.02	105	3882	0.59	ug/l	100
74) N-amyl acetate	6.48	43	2161	0.66	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	11.27	83	1247	0.56	ug/l	92
76) 1,2,3-Trichloropropane	11.30	75	1621	0.83	ug/l	78
77) Bromobenzene	11.26	156	976	0.55	ug/l	93
78) n-propylbenzene	11.37	91	4301	0.56	ug/l	100
79) 2-Chlorotoluene	11.43	91	2603	0.59	ug/l	97
80) 1,3,5-Trimethylbenzene	11.52	105	3203	0.58	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.09	75	390m	0.49	ug/l	
82) 4-Chlorotoluene	11.52	91	3212	0.61	ug/l	95
83) tert-Butylbenzene	11.78	119	3135	0.56	ug/l	94
84) 1,2,4-Trimethylbenzene	11.82	105	3343	0.59	ug/l	99
85) sec-Butylbenzene	11.96	105	4010	0.59	ug/l	100
86) p-Isopropyltoluene	12.07	119	3543	0.58	ug/l	90
87) 1,3-Dichlorobenzene	12.04	146	1831	0.55	ug/l	94
88) 1,4-Dichlorobenzene	12.11	146	2217m	0.65	ug/l	
89) n-Butylbenzene	12.40	91	3274	0.57	ug/l	95
90) Hexachloroethane	12.60	117	611	0.57	ug/l	71
91) 1,2-Dichlorobenzene	12.40	146	1873	0.57	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.01	75	391	0.61	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1547	0.62	ug/l	96
94) Hexachlorobutadiene	13.79	225	651	0.55	ug/l	93
95) Naphthalene	13.84	128	4666	0.57	ug/l	98
96) 1,2,3-Trichlorobenzene	14.03	180	1382	0.57	ug/l	100

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

