

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021318\
 Data File : VX000076.D
 Acq On : 13 Feb 2018 15:23
 Operator : JC/MD
 Sample : MDL04 0.75
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ClientSampled :
 MDL04 0.75

Manual Integrations
 APPROVED

MMDadoda
 2/16/2018 2:28:00 PM

Quant Time: Feb 14 03:18:28 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	110236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	181817	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	171986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	93014	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	61152	53.09	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.18%	
35) Dibromofluoromethane	5.51	113	51132	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	8.73	98	191025	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
62) 4-Bromofluorobenzene	11.15	95	77347	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	878	0.88	ug/l	86
3) Chloromethane	1.32	50	1013	1.00	ug/l #	74
4) Vinyl Chloride	1.41	62	1060	0.92	ug/l	96
5) Bromomethane	1.65	94	938	1.53	ug/l	99
6) Chloroethane	1.73	64	1232	1.79	ug/l #	83
7) Trichlorofluoromethane	1.93	101	1841	0.92	ug/l	86
8) Diethyl Ether	2.20	74	579	0.80	ug/l #	50
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1079	0.96	ug/l	91
10) Methyl Iodide	2.52	142	1042	2.43	ug/l #	88
11) Tert butyl alcohol	3.07	59	2241	4.86	ug/l #	91
12) 1,1-Dichloroethene	2.39	96	853	0.80	ug/l	86
13) Acrolein	2.29	56	1278	5.40	ug/l #	64
14) Allyl chloride	2.73	41	2164	1.16	ug/l #	80
15) Acrylonitrile	3.15	53	3967	4.94	ug/l	97
16) Acetone	2.45	43	4377	6.42	ug/l	97
17) Carbon Disulfide	2.58	76	2860	0.92	ug/l	97
18) Methyl Acetate	2.78	43	2188	1.27	ug/l	93
19) Methyl tert-butyl Ether	3.21	73	3355	0.92	ug/l	92
20) Methylene Chloride	2.86	84	1090	0.95	ug/l #	83
21) trans-1,2-Dichloroethene	3.18	96	1128	0.98	ug/l	93
22) Diisopropyl ether	3.88	45	3407	1.11	ug/l #	87
23) Vinyl Acetate	3.83	43	13497	4.85	ug/l	96
24) 1,1-Dichloroethane	3.70	63	1863	0.97	ug/l #	93
25) 2-Butanone	4.71	43	5519	5.36	ug/l	92
26) 2,2-Dichloropropane	4.59	77	1432	0.87	ug/l #	74
27) cis-1,2-Dichloroethene	4.61	96	1034	0.92	ug/l	96
28) Bromochloromethane	5.02	49	649	1.02	ug/l #	78
29) Tetrahydrofuran	5.18	42	3689	5.23	ug/l	94
30) Chloroform	5.23	83	1779	0.92	ug/l	92
31) Cyclohexane	5.59	56	1536	0.98	ug/l #	76
32) 1,1,1-Trichloroethane	5.49	97	1463	0.81	ug/l #	47
36) 1,1-Dichloropropene	5.80	75	1510	0.95	ug/l	91
37) Ethyl Acetate	4.87	43	2149	1.05	ug/l #	94
38) Carbon Tetrachloride	5.79	117	1430	0.80	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	1664	0.87	ug/l #	81
40) Benzene	6.15	78	3577	0.80	ug/l #	85
41) Methacrylonitrile	5.07	41	1123	1.07	ug/l #	65
42) 1,2-Dichloroethane	6.20	62	1407	0.88	ug/l #	82
43) Isopropyl Acetate	6.48	43	2757	0.89	ug/l #	93
44) Trichloroethene	7.22	130	1083	0.78	ug/l #	95
45) 1,2-Dichloropropane	7.53	63	876	0.81	ug/l #	91
46) Dibromomethane	7.67	93	778	0.93	ug/l #	82
47) Bromodichloromethane	7.90	83	1303	0.80	ug/l #	82
48) Methyl methacrylate	7.79	41	1438	0.95	ug/l #	86
49) 1,4-Dioxane	7.78	88	637	15.81	ug/l #	93
51) 4-Methyl-2-Pentanone	8.66	43	8988	4.18	ug/l #	99
52) Toluene	8.79	92	2514	0.84	ug/l #	100
53) t-1,3-Dichloropropene	8.45	75	1477	0.77	ug/l #	77
54) cis-1,3-Dichloropropene	9.05	75	1524	0.82	ug/l #	91
55) 1,1,2-Trichloroethane	9.23	97	973	0.77	ug/l #	78
56) Ethyl methacrylate	9.19	69	1422	0.74	ug/l #	79
57) 1,3-Dichloropropane	9.38	76	1497	0.76	ug/l #	98
58) 2-Chloroethyl Vinyl ether	8.32	63	3902	4.09	ug/l #	98
59) 2-Hexanone	9.51	43	7597	4.35	ug/l #	98
60) Dibromochloromethane	9.59	129	1054	0.73	ug/l #	95
61) 1,2-Dibromoethane	9.68	107	996	0.72	ug/l #	87
64) Tetrachloroethene	9.34	164	951	0.74	ug/l #	96
65) Chlorobenzene	10.15	112	2922	0.82	ug/l #	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	1001	0.78	ug/l #	64
67) Ethyl Benzene	10.26	91	5082	0.86	ug/l #	96
68) m/p-Xylenes	10.37	106	3624	1.54	ug/l #	93
69) o-Xylene	10.71	106	1738	0.76	ug/l #	93
70) Styrene	10.72	104	2897	0.75	ug/l #	97
71) Bromoform	10.87	173	777	0.64	ug/l #	95
73) Isopropylbenzene	11.02	105	4895	0.83	ug/l #	99
74) N-amyl acetate	6.48	43	2757	0.93	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	1711	0.85	ug/l #	99
76) 1,2,3-Trichloropropane	11.30	75	1645m	0.94	ug/l #	
77) Bromobenzene	11.26	156	1385	0.86	ug/l #	95
78) n-propylbenzene	11.37	91	5741	0.84	ug/l #	98
79) 2-Chlorotoluene	11.43	91	3570	0.90	ug/l #	99
80) 1,3,5-Trimethylbenzene	11.52	105	3916	0.79	ug/l #	97
81) trans-1,4-Dichloro-2-buten	11.08	75	573m	0.81	ug/l #	
82) 4-Chlorotoluene	11.52	91	4144	0.88	ug/l #	97
83) tert-Butylbenzene	11.78	119	4380	0.88	ug/l #	96
84) 1,2,4-Trimethylbenzene	11.82	105	4455	0.88	ug/l #	91
85) sec-Butylbenzene	11.96	105	5152	0.84	ug/l #	98
86) p-Isopropyltoluene	12.07	119	4526	0.82	ug/l #	92
87) 1,3-Dichlorobenzene	12.04	146	2621	0.87	ug/l #	97
88) 1,4-Dichlorobenzene	12.11	146	2719m	0.88	ug/l #	
89) n-Butylbenzene	12.40	91	4473	0.87	ug/l #	96
90) Hexachloroethane	12.61	117	748	0.77	ug/l #	77
91) 1,2-Dichlorobenzene	12.40	146	2514	0.85	ug/l #	92
92) 1,2-Dibromo-3-Chloropropan	13.01	75	476	0.83	ug/l #	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1922	0.85	ug/l	99
94) Hexachlorobutadiene	13.79	225	889	0.83	ug/l	91
95) Naphthalene	13.84	128	6178	0.84	ug/l	96
96) 1,2,3-Trichlorobenzene	14.03	180	1769	0.81	ug/l	93

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

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