

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021318\
 Data File : VX000079.D
 Acq On : 13 Feb 2018 16:54
 Operator : JC/MD
 Sample : MDL04 2.00PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 MDL04 2.00PPB

Manual Integrations
 APPROVED

MMDadoda
 2/16/2018 2:28:03 PM

Quant Time: Feb 14 03:32:28 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	105419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	166962	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	157607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	86762	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	53040	48.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	5.51	113	42894	44.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.00%	
50) Toluene-d8	8.73	98	162787	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	
62) 4-Bromofluorobenzene	11.15	95	64849	43.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	1938	2.03	ug/l	95
3) Chloromethane	1.33	50	2143	2.20	ug/l	91
4) Vinyl Chloride	1.41	62	2242	2.05	ug/l	100
5) Bromomethane	1.65	94	2258	3.86	ug/l	96
6) Chloroethane	1.73	64	1826	2.77	ug/l	93
7) Trichlorofluoromethane	1.93	101	4026	2.11	ug/l	99
8) Diethyl Ether	2.20	74	1528	2.21	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2431	2.25	ug/l	92
10) Methyl Iodide	2.52	142	1788	3.02	ug/l	96
11) Tert butyl alcohol	3.07	59	5576	12.65	ug/l	96
12) 1,1-Dichloroethene	2.38	96	2122	2.07	ug/l	98
13) Acrolein	2.29	56	2284	10.10	ug/l #	80
14) Allyl chloride	2.73	41	3317	1.86	ug/l	93
15) Acrylonitrile	3.15	53	8491	11.06	ug/l	97
16) Acetone	2.45	43	8847	13.57	ug/l	92
17) Carbon Disulfide	2.57	76	5573	1.87	ug/l	97
18) Methyl Acetate	2.79	43	4194	2.55	ug/l	94
19) Methyl tert-butyl Ether	3.21	73	7285	2.08	ug/l	96
20) Methylene Chloride	2.87	84	2407	2.20	ug/l	97
21) trans-1,2-Dichloroethene	3.18	96	2238	2.03	ug/l	87
22) Diisopropyl ether	3.88	45	6524	2.22	ug/l #	98
23) Vinyl Acetate	3.84	43	29236	10.99	ug/l	99
24) 1,1-Dichloroethane	3.71	63	4101	2.24	ug/l	98
25) 2-Butanone	4.72	43	12155	12.35	ug/l	95
26) 2,2-Dichloropropane	4.59	77	3102	1.98	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	2139	1.98	ug/l	90
28) Bromochloromethane	5.03	49	621	1.02	ug/l #	85
29) Tetrahydrofuran	5.18	42	7931	11.76	ug/l	94
30) Chloroform	5.22	83	3640	1.97	ug/l	99
31) Cyclohexane	5.58	56	2967	1.97	ug/l #	84
32) 1,1,1-Trichloroethane	5.50	97	3331	1.92	ug/l	97
36) 1,1-Dichloropropene	5.81	75	3177	2.19	ug/l	93
37) Ethyl Acetate	4.88	43	4104	2.19	ug/l	97
38) Carbon Tetrachloride	5.79	117	3170	1.94	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	3637	2.06	ug/l	96
40) Benzene	6.16	78	8382	2.04	ug/l	96
41) Methacrylonitrile	5.07	41	2269	2.35	ug/l	91
42) 1,2-Dichloroethane	6.21	62	3168	2.16	ug/l	79
43) Isopropyl Acetate	6.48	43	5480	1.94	ug/l	98
44) Trichloroethene	7.22	130	2415	1.90	ug/l	99
45) 1,2-Dichloropropane	7.53	63	2135	2.14	ug/l	98
46) Dibromomethane	7.67	93	1552	2.01	ug/l	97
47) Bromodichloromethane	7.91	83	2992	2.00	ug/l #	87
48) Methyl methacrylate	7.79	41	2885	2.08	ug/l	91
49) 1,4-Dioxane	7.77	88	1365	36.89	ug/l #	81
51) 4-Methyl-2-Pentanone	8.66	43	19955	10.12	ug/l	96
52) Toluene	8.79	92	5294	1.92	ug/l	94
53) t-1,3-Dichloropropene	8.45	75	3405	1.94	ug/l	94
54) cis-1,3-Dichloropropene	9.05	75	3141	1.84	ug/l	93
55) 1,1,2-Trichloroethane	9.22	97	2351	2.03	ug/l	92
56) Ethyl methacrylate	9.19	69	3209	1.81	ug/l	88
57) 1,3-Dichloropropane	9.38	76	3824	2.12	ug/l	97
59) 2-Hexanone	9.51	43	16980	10.59	ug/l	100
60) Dibromochloromethane	9.59	129	2119	1.59	ug/l	98
61) 1,2-Dibromoethane	9.68	107	2492	1.95	ug/l	97
64) Tetrachloroethene	9.35	164	1985	1.69	ug/l	85
65) Chlorobenzene	10.15	112	6806	2.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	2259	1.92	ug/l #	66
67) Ethyl Benzene	10.26	91	10844	2.00	ug/l	98
68) m/p-Xylenes	10.37	106	8149	3.77	ug/l	92
69) o-Xylene	10.71	106	4045	1.94	ug/l	98
70) Stvrene	10.72	104	6246	1.77	ug/l	96
71) Bromoform	10.87	173	1707	1.53	ug/l #	94
73) Isopropylbenzene	11.02	105	11157	2.03	ug/l	97
74) N-amyl acetate	6.48	43	5480	1.99	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	3687	1.97	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	3575m	2.19	ug/l	
77) Bromobenzene	11.26	156	2850	1.91	ug/l	91
78) n-propylbenzene	11.37	91	13054	2.05	ug/l	98
79) 2-Chlorotoluene	11.43	91	7589	2.06	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	8910	1.93	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.09	75	990m	1.50	ug/l	
82) 4-Chlorotoluene	11.52	91	8852	2.01	ug/l	99
83) tert-Butylbenzene	11.78	119	9260	1.99	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	9330	1.98	ug/l	99
85) sec-Butylbenzene	11.96	105	11528	2.01	ug/l	99
86) p-Isopropyltoluene	12.07	119	9891	1.92	ug/l	96
87) 1,3-Dichlorobenzene	12.04	146	5442	1.93	ug/l	97
88) 1,4-Dichlorobenzene	12.11	146	5886m	2.04	ug/l	
89) n-Butylbenzene	12.40	91	9692	2.01	ug/l	99
90) Hexachloroethane	12.60	117	1547	1.72	ug/l	92
91) 1,2-Dichlorobenzene	12.40	146	5531	2.01	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1093	2.04	ug/l	89
93) 1,2,4-Trichlorobenzene	13.65	180	4138	1.96	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	1949	1.96	ug/l	90
95) Naphthalene	13.84	128	13648	1.99	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	3902	1.90	ug/l	97

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

