

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000066.D
 Acq On : 12 Feb 2018 15:27
 Operator : JC/MD
 Sample : MDL 01 2.00PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ClientSampled :
 MDL 01 2.00PPB

Manual Integrations
 APPROVED

MMDadoda
 2/15/2018 6:05:14 PM

Quant Time: Feb 13 03:33:01 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	117012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	187301	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	176179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	94950	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	62947	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
35) Dibromofluoromethane	5.51	113	53890	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	8.73	98	196499	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	11.15	95	79224	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	2289	2.16	ug/l	93
3) Chloromethane	1.32	50	2228	2.06	ug/l	98
4) Vinyl Chloride	1.41	62	2469	2.03	ug/l	96
5) Bromomethane	1.64	94	2646	4.07	ug/l	95
6) Chloroethane	1.73	64	2179m	2.98	ug/l	
7) Trichlorofluoromethane	1.93	101	4597	2.17	ug/l	95
8) Diethyl Ether	2.20	74	1599	2.08	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2463	2.06	ug/l	99
10) Methyl Iodide	2.51	142	2054	3.06	ug/l	97
11) Tert butyl alcohol	3.07	59	5495	11.23	ug/l #	88
12) 1,1-Dichloroethene	2.38	96	2404	2.12	ug/l	89
13) Acrolein	2.30	56	3019	12.02	ug/l	90
14) Allyl chloride	2.73	41	4026	2.04	ug/l	96
15) Acrylonitrile	3.16	53	9249	10.85	ug/l	97
16) Acetone	2.45	43	8818	12.18	ug/l	98
17) Carbon Disulfide	2.57	76	6231	1.88	ug/l	96
18) Methyl Acetate	2.79	43	4457	2.44	ug/l	94
19) Methyl tert-butyl Ether	3.22	73	7919	2.04	ug/l	99
20) Methylene Chloride	2.86	84	2529	2.09	ug/l	91
21) trans-1,2-Dichloroethene	3.17	96	2498	2.04	ug/l	94
22) Diisopropyl ether	3.89	45	6222	1.90	ug/l	95
23) Vinyl Acetate	3.84	43	28456	9.64	ug/l	98
24) 1,1-Dichloroethane	3.70	63	4099	2.02	ug/l	97
25) 2-Butanone	4.72	43	12589	11.52	ug/l	98
26) 2,2-Dichloropropane	4.59	77	3626	2.08	ug/l	96
27) cis-1,2-Dichloroethene	4.61	96	2428	2.03	ug/l	98
28) Bromochloromethane	5.03	49	1682	2.50	ug/l #	84
29) Tetrahydrofuran	5.19	42	8289	11.07	ug/l	97
30) Chloroform	5.22	83	4114	2.01	ug/l	86
31) Cyclohexane	5.59	56	3316	1.99	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	3693	1.92	ug/l	94
36) 1,1-Dichloropropene	5.80	75	3184	1.95	ug/l #	62
37) Ethyl Acetate	4.88	43	4806	2.28	ug/l #	93
38) Carbon Tetrachloride	5.79	117	3479	1.90	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	3918	1.98	ug/l	97
40) Benzene	6.15	78	8766	1.90	ug/l	99
41) Methacrylonitrile	5.07	41	1864m	1.72	ug/l	
42) 1,2-Dichloroethane	6.21	62	3266	1.98	ug/l #	74
43) Isopropyl Acetate	6.49	43	6245	1.97	ug/l	97
44) Trichloroethene	7.22	130	2664	1.87	ug/l	99
45) 1,2-Dichloropropane	7.53	63	2176	1.94	ug/l #	80
46) Dibromomethane	7.67	93	1604	1.85	ug/l	94
47) Bromodichloromethane	7.91	83	3065	1.82	ug/l	99
48) Methyl methacrylate	7.79	41	3141	2.02	ug/l	90
49) 1,4-Dioxane	7.78	88	1527	36.78	ug/l #	83
51) 4-Methyl-2-Pentanone	8.66	43	21621	9.77	ug/l	97
52) Toluene	8.79	92	5931	1.92	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	3640	1.85	ug/l #	86
54) cis-1,3-Dichloropropene	9.05	75	3545	1.85	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	2501	1.93	ug/l	95
56) Ethyl methacrylate	9.19	69	3571	1.79	ug/l #	87
57) 1,3-Dichloropropane	9.38	76	3897	1.93	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.32	63	9929	10.09	ug/l	96
59) 2-Hexanone	9.51	43	18477	10.27	ug/l	93
60) Dibromochloromethane	9.59	129	2421	1.62	ug/l	95
61) 1,2-Dibromoethane	9.68	107	2700	1.89	ug/l	97
64) Tetrachloroethene	9.34	164	2308	1.76	ug/l	96
65) Chlorobenzene	10.15	112	6807	1.86	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.23	131	2403	1.83	ug/l #	65
67) Ethyl Benzene	10.26	91	11495	1.89	ug/l	98
68) m/p-Xylenes	10.37	106	9066	3.75	ug/l	99
69) o-Xylene	10.71	106	4345	1.86	ug/l	99
70) Styrene	10.72	104	7281	1.85	ug/l	99
71) Bromoform	10.87	173	1915	1.54	ug/l #	96
73) Isopropylbenzene	11.02	105	11704	1.94	ug/l	97
74) N-amyl acetate	6.49	43	6245	2.07	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	4121	2.01	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	4436m	2.48	ug/l	
77) Bromobenzene	11.26	156	3169	1.94	ug/l	96
78) n-propylbenzene	11.37	91	14422	2.06	ug/l	97
79) 2-Chlorotoluene	11.43	91	8186	2.03	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	10107	2.00	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	1083m	1.50	ug/l	
82) 4-Chlorotoluene	11.52	91	10264	2.13	ug/l	95
83) tert-Butylbenzene	11.78	119	10167	1.99	ug/l	98
84) 1,2,4-Trimethylbenzene	11.82	105	9967	1.93	ug/l	97
85) sec-Butylbenzene	11.96	105	12341	1.97	ug/l	100
86) p-Isopropyltoluene	12.07	119	11291	2.00	ug/l	96
87) 1,3-Dichlorobenzene	12.04	146	6204	2.01	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	6220m	1.97	ug/l	
89) n-Butylbenzene	12.40	91	10411	1.98	ug/l	99
90) Hexachloroethane	12.60	117	1653	1.68	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	5799	1.92	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1194	2.03	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	4396	1.91	ug/l	100
94) Hexachlorobutadiene	13.79	225	2080	1.91	ug/l	98
95) Naphthalene	13.85	128	14807	1.98	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	4298	1.92	ug/l	97

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

