

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021318\
 Data File : VX000081.D
 Acq On : 13 Feb 2018 17:47
 Operator : JC/MD
 Sample : MDL06 2.00PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 MDL06 2.00PPB

Manual Integrations
 APPROVED

MMDadoda
 2/16/2018 2:28:05 PM

Quant Time: Feb 14 03:33:03 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	96984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	164757	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	155097	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	83106	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	56986	56.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.48%	
35) Dibromofluoromethane	5.52	113	47979	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	8.73	98	177176	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
62) 4-Bromofluorobenzene	11.15	95	70144	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	2097	2.39	ug/l	94
3) Chloromethane	1.33	50	2091	2.34	ug/l #	87
4) Vinyl Chloride	1.41	62	2276	2.26	ug/l	98
5) Bromomethane	1.65	94	2346	4.35	ug/l	89
6) Chloroethane	1.73	64	2329m	3.84	ug/l	
7) Trichlorofluoromethane	1.94	101	4169	2.37	ug/l	88
8) Diethyl Ether	2.20	74	1339	2.10	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2263	2.28	ug/l	97
10) Methyl Iodide	2.52	142	1631	3.00	ug/l	98
11) Tert butyl alcohol	3.07	59	5494	13.55	ug/l	98
12) 1,1-Dichloroethene	2.38	96	2130	2.26	ug/l	96
13) Acrolein	2.30	56	2471	11.87	ug/l #	72
14) Allyl chloride	2.73	41	3577	2.18	ug/l #	85
15) Acrylonitrile	3.16	53	8981	12.71	ug/l	99
16) Acetone	2.45	43	8908	14.85	ug/l	96
17) Carbon Disulfide	2.58	76	5927	2.16	ug/l	95
18) Methyl Acetate	2.79	43	4168	2.76	ug/l	100
19) Methyl tert-butyl Ether	3.22	73	7418	2.30	ug/l	92
20) Methylene Chloride	2.87	84	2582	2.57	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	2227	2.20	ug/l	98
22) Diisopropyl ether	3.89	45	5996	2.21	ug/l	97
23) Vinyl Acetate	3.84	43	26004	10.62	ug/l	97
24) 1,1-Dichloroethane	3.71	63	3936	2.34	ug/l #	94
25) 2-Butanone	4.73	43	11892	13.13	ug/l	97
26) 2,2-Dichloropropane	4.60	77	3334	2.31	ug/l	92
27) cis-1,2-Dichloroethene	4.61	96	2243	2.26	ug/l	94
28) Bromochloromethane	5.04	49	1391	2.49	ug/l #	94
29) Tetrahydrofuran	5.19	42	7721	12.44	ug/l	97
30) Chloroform	5.23	83	3833	2.26	ug/l	98
31) Cyclohexane	5.59	56	3143	2.27	ug/l #	81
32) 1,1,1-Trichloroethane	5.51	97	3474	2.18	ug/l	98
36) 1,1-Dichloropropene	5.81	75	2906	2.03	ug/l	96
37) Ethyl Acetate	4.88	43	4276	2.31	ug/l	99
38) Carbon Tetrachloride	5.80	117	3336	2.07	ug/l #	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	3187	1.83	ug/l	94
40) Benzene	6.16	78	8295	2.05	ug/l	90
41) Methacrylonitrile	5.07	41	2312	2.43	ug/l	91
42) 1,2-Dichloroethane	6.21	62	3169	2.19	ug/l	91
43) Isopropyl Acetate	6.49	43	5923	2.12	ug/l	96
44) Trichloroethene	7.23	130	2279	1.82	ug/l	86
45) 1,2-Dichloropropane	7.52	63	2101	2.13	ug/l	99
46) Dibromomethane	7.68	93	1500	1.97	ug/l	94
47) Bromodichloromethane	7.91	83	2880	1.95	ug/l	97
48) Methyl methacrylate	7.79	41	2722	1.99	ug/l	92
49) 1,4-Dioxane	7.77	88	1393	38.15	ug/l #	86
51) 4-Methyl-2-Pentanone	8.66	43	20515	10.54	ug/l	97
52) Toluene	8.79	92	5580	2.05	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	3216	1.86	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	3044	1.81	ug/l	93
55) 1,1,2-Trichloroethane	9.23	97	2257	1.98	ug/l	87
56) Ethyl methacrylate	9.20	69	3285	1.87	ug/l #	93
57) 1,3-Dichloropropane	9.38	76	3696	2.08	ug/l	96
59) 2-Hexanone	9.51	43	17650	11.15	ug/l	97
60) Dibromochloromethane	9.59	129	2388	1.82	ug/l	97
61) 1,2-Dibromoethane	9.68	107	2434	1.93	ug/l	99
64) Tetrachloroethene	9.34	164	2131	1.85	ug/l	86
65) Chlorobenzene	10.15	112	6480	2.01	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	2189	1.89	ug/l #	65
67) Ethyl Benzene	10.26	91	10934	2.05	ug/l	98
68) m/p-Xylenes	10.37	106	8230	3.87	ug/l	100
69) o-Xylene	10.71	106	4188	2.04	ug/l	99
70) Stvrene	10.72	104	6236	1.80	ug/l	92
71) Bromoform	10.87	173	1728	1.58	ug/l #	100
73) Isopropylbenzene	11.02	105	10934	2.07	ug/l	99
74) N-amyl acetate	6.49	43	5923	2.24	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.28	83	3866	2.16	ug/l	92
76) 1,2,3-Trichloropropane	11.30	75	4084m	2.61	ug/l	
77) Bromobenzene	11.26	156	2745	1.92	ug/l	87
78) n-propylbenzene	11.37	91	12660	2.07	ug/l	98
79) 2-Chlorotoluene	11.43	91	7510	2.12	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	8973	2.03	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.09	75	1047m	1.66	ug/l	
82) 4-Chlorotoluene	11.52	91	8920	2.11	ug/l	98
83) tert-Butylbenzene	11.78	119	9199	2.06	ug/l	95
84) 1,2,4-Trimethylbenzene	11.82	105	9332	2.06	ug/l	98
85) sec-Butylbenzene	11.96	105	11388	2.07	ug/l	95
86) p-Isopropyltoluene	12.07	119	9712	1.97	ug/l	96
87) 1,3-Dichlorobenzene	12.04	146	5297	1.96	ug/l	94
88) 1,4-Dichlorobenzene	12.11	146	5704	2.07	ug/l	82
89) n-Butylbenzene	12.40	91	9336	2.02	ug/l	95
90) Hexachloroethane	12.60	117	1545	1.79	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	5381	2.04	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1176	2.29	ug/l	82
93) 1,2,4-Trichlorobenzene	13.65	180	3864	1.92	ug/l	95

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	1787	1.88	ug/l	97
95) Naphthalene	13.84	128	13491	2.06	ug/l	98
96) 1,2,3-Trichlorobenzene	14.03	180	4170	2.12	ug/l	93

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

