

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000065.D
 Acq On : 12 Feb 2018 14:52
 Operator : JC/MD
 Sample : MDL 03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 MDL 03

Manual Integrations
 APPROVED

MMDadoda
 2/16/2018 11:44:57 AM

Quant Time: Feb 16 11:39:40 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	116065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	192414	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	181166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	95696	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.09	65	62418	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
35) Dibromofluoromethane	5.52	113	52916	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
50) Toluene-d8	8.73	98	191928	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	
62) 4-Bromofluorobenzene	11.15	95	77074	45.33	ug/l	0.00
Spiked Amount			Recovery	=	90.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	864	0.82	ug/l	94
3) Chloromethane	1.33	50	914	0.85	ug/l #	86
4) Vinyl Chloride	1.41	62	1043	0.86	ug/l	90
5) Bromomethane	1.65	94	1181	1.83	ug/l	99
6) Chloroethane	1.73	64	1053m	1.45	ug/l	
7) Trichlorofluoromethane	1.93	101	1682	0.80	ug/l	88
8) Diethyl Ether	2.19	74	646	0.85	ug/l #	46
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1010	0.85	ug/l	96
10) Methyl Iodide	2.52	142	902	2.30	ug/l	99
11) Tert butyl alcohol	3.07	59	2466	5.08	ug/l #	83
12) 1,1-Dichloroethene	2.38	96	901	0.80	ug/l	95
13) Acrolein	2.30	56	1320	5.30	ug/l	83
14) Allyl chloride	2.74	41	2014	1.03	ug/l	91
15) Acrylonitrile	3.16	53	3671	4.34	ug/l #	92
16) Acetone	2.45	43	3763	5.24	ug/l	92
17) Carbon Disulfide	2.57	76	2532	0.77	ug/l #	79
18) Methyl Acetate	2.79	43	1610	0.89	ug/l #	87
19) Methyl tert-butyl Ether	3.21	73	3161	0.82	ug/l	98
20) Methylene Chloride	2.87	84	1212	1.01	ug/l #	77
21) trans-1,2-Dichloroethene	3.17	96	1028	0.85	ug/l	92
22) Diisopropyl ether	3.88	45	2594	0.80	ug/l #	94
23) Vinyl Acetate	3.83	43	10812	3.69	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	1491	0.74	ug/l #	83
25) 2-Butanone	4.72	43	4751	4.38	ug/l	100
26) 2,2-Dichloropropane	4.60	77	1382	0.80	ug/l	82
27) cis-1,2-Dichloroethene	4.61	96	984	0.83	ug/l	98
28) Bromochloromethane	5.03	49	507	0.76	ug/l #	86
29) Tetrahydrofuran	5.20	42	3677	4.95	ug/l	92
30) Chloroform	5.23	83	1633	0.80	ug/l #	79
31) Cyclohexane	5.59	56	1383	0.84	ug/l	88
32) 1,1,1-Trichloroethane	5.51	97	1409	0.74	ug/l #	48
36) 1,1-Dichloropropene	5.81	75	1459	0.87	ug/l	86
37) Ethyl Acetate	4.89	43	1899	0.88	ug/l #	86
38) Carbon Tetrachloride	5.80	117	1564	0.83	ug/l	96

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39) Methylcyclohexane	7.47	83	1467	0.72	ug/l #	82
40) Benzene	6.15	78	3647	0.77	ug/l	92
41) Methacrylonitrile	5.08	41	1094	0.98	ug/l #	82
42) 1,2-Dichloroethane	6.23	62	1241	0.73	ug/l #	74
43) Isopropyl Acetate	6.48	43	2592	0.79	ug/l	96
44) Trichloroethene	7.23	130	1032	0.70	ug/l	100
45) 1,2-Dichloropropane	7.52	63	873	0.76	ug/l #	63
46) Dibromomethane	7.67	93	690	0.78	ug/l	87
47) Bromodichloromethane	7.91	83	1232	0.71	ug/l #	83
48) Methyl methacrylate	7.79	41	1279	0.80	ug/l	87
49) 1,4-Dioxane	7.77	88	532	12.47	ug/l #	74
51) 4-Methyl-2-Pentanone	8.66	43	8311	3.66	ug/l	98
52) Toluene	8.79	92	2413	0.76	ug/l	95
53) t-1,3-Dichloropropene	8.45	75	1475	0.73	ug/l #	86
54) cis-1,3-Dichloropropene	9.06	75	1403	0.71	ug/l	91
55) 1,1,2-Trichloroethane	9.23	97	914	0.69	ug/l #	78
56) Ethyl methacrylate	9.19	69	1429	0.70	ug/l #	81
57) 1,3-Dichloropropane	9.38	76	1484	0.72	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.32	63	3516	3.48	ug/l	93
59) 2-Hexanone	9.51	43	7267	3.93	ug/l	90
60) Dibromochloromethane	9.59	129	935	0.61	ug/l	94
61) 1,2-Dibromoethane	9.68	107	1020	0.69	ug/l	97
64) Tetrachloroethene	9.34	164	986	0.73	ug/l	84
65) Chlorobenzene	10.15	112	2705	0.72	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	10.23	131	905	0.67	ug/l #	66
67) Ethyl Benzene	10.26	91	4614	0.74	ug/l	100
68) m/p-Xylenes	10.37	106	3467	1.39	ug/l	100
69) o-Xylene	10.71	106	1657	0.69	ug/l	93
70) Styrene	10.72	104	2756	0.68	ug/l	96
71) Bromoform	10.87	173	724	0.57	ug/l #	94
73) Isopropylbenzene	11.03	105	4636	0.76	ug/l	99
74) N-amyl acetate	6.48	43	2592	0.85	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.28	83	1502	0.73	ug/l	96
76) 1,2,3-Trichloropropane	11.30	75	1956	1.09	ug/l	83
77) Bromobenzene	11.26	156	1255	0.76	ug/l	91
78) n-propylbenzene	11.37	91	5791	0.82	ug/l	96
79) 2-Chlorotoluene	11.43	91	3239	0.80	ug/l	95
80) 1,3,5-Trimethylbenzene	11.52	105	3749	0.74	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.15	75	39660	54.45	ug/l #	11
82) 4-Chlorotoluene	11.52	91	3750	0.77	ug/l	97
83) tert-Butylbenzene	11.78	119	3782	0.74	ug/l	90
84) 1,2,4-Trimethylbenzene	11.82	105	3908	0.75	ug/l	99
85) sec-Butylbenzene	11.96	105	4603	0.73	ug/l	97
86) p-Isopropyltoluene	12.07	119	4189	0.74	ug/l	88
87) 1,3-Dichlorobenzene	12.04	146	2312	0.74	ug/l	96
88) 1,4-Dichlorobenzene	12.04	146	2312	0.73	ug/l	95
89) n-Butylbenzene	12.40	91	4021	0.76	ug/l	97
90) Hexachloroethane	12.60	117	636	0.64	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	2352	0.77	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	469	0.79	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.66	180	1833	0.79	ug/l	92
94) Hexachlorobutadiene	13.79	225	818	0.75	ug/l	95
95) Naphthalene	13.84	128	5821	0.77	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	1719	0.76	ug/l	99

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

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