

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021518\
 Data File : VX000098.D
 Acq On : 15 Feb 2018 14:29
 Operator : JC/MD
 Sample : MDL07 2.00PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 MDL07 2.00PPB

Manual Integrations
 APPROVED

sam
 2/16/2018 4:51:02 PM

Quant Time: Feb 16 05:13:37 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 12:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	108803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	179271	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	174298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	91229	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	69881	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
35) Dibromofluoromethane	5.51	113	55067	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
50) Toluene-d8	8.73	98	218269	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	11.15	95	81774	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	2062	1.84	ug/l	97
3) Chloromethane	1.32	50	2282	2.08	ug/l	93
4) Vinyl Chloride	1.40	62	2668	2.18	ug/l	99
5) Bromomethane	1.64	94	2913	0.77	ug/l	94
6) Chloroethane	1.73	64	1972	2.40	ug/l	91
7) Trichlorofluoromethane	1.93	101	4959	2.27	ug/l	95
8) Diethyl Ether	2.20	74	1656	2.19	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2599	2.12	ug/l	97
10) Methyl Iodide	2.52	142	2109	1.57	ug/l	99
11) Tert butyl alcohol	3.07	59	6364	12.15	ug/l	97
12) 1,1-Dichloroethene	2.38	96	2495	2.19	ug/l	94
13) Acrolein	2.30	56	2968	11.87	ug/l	93
14) Allyl chloride	2.73	41	4910	2.57	ug/l	96
15) Acrylonitrile	3.15	53	9845	11.01	ug/l	99
16) Acetone	2.45	43	10378	11.78	ug/l #	83
17) Carbon Disulfide	2.57	76	6586	1.96	ug/l	98
18) Methyl Acetate	2.79	43	4840	2.34	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	8401	2.15	ug/l #	86
20) Methylene Chloride	2.87	84	2675	0.72	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	2778	2.25	ug/l #	89
22) Diisopropyl ether	3.89	45	7295	2.19	ug/l	96
23) Vinyl Acetate	3.83	43	33462	10.80	ug/l	95
24) 1,1-Dichloroethane	3.71	63	4971	2.52	ug/l #	92
25) 2-Butanone	4.73	43	13235	10.76	ug/l	99
26) 2,2-Dichloropropane	4.60	77	3579	2.09	ug/l	91
27) cis-1,2-Dichloroethene	4.62	96	2564	2.18	ug/l	99
28) Bromochloromethane	5.03	49	1725	1.95	ug/l #	89
29) Tetrahydrofuran	5.20	42	8696	10.85	ug/l	99
30) Chloroform	5.23	83	4472	2.15	ug/l	88
31) Cyclohexane	5.58	56	3600	2.12	ug/l	93
32) 1,1,1-Trichloroethane	5.51	97	3671	1.92	ug/l	96
36) 1,1-Dichloropropene	5.81	75	3640	2.26	ug/l	92
37) Ethyl Acetate	4.88	43	4882	2.21	ug/l	95
38) Carbon Tetrachloride	5.79	117	3612	2.08	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	4010	2.07	ug/l #	92
40) Benzene	6.15	78	9759	2.12	ug/l	96
41) Methacrylonitrile	5.08	41	2553	1.90	ug/l	93
42) 1,2-Dichloroethane	6.21	62	3509	2.08	ug/l	93
43) Isopropyl Acetate	6.49	43	6297	1.98	ug/l	99
44) Trichloroethene	7.23	130	2801	2.07	ug/l	96
45) 1,2-Dichloropropane	7.53	63	2353	2.09	ug/l	100
46) Dibromomethane	7.67	93	1764	2.01	ug/l	95
47) Bromodichloromethane	7.91	83	3364	2.07	ug/l	97
48) Methyl methacrylate	7.79	41	3240	2.07	ug/l	94
49) 1,4-Dioxane	7.77	88	1680	41.01	ug/l	98
51) 4-Methyl-2-Pentanone	8.67	43	23157	9.94	ug/l	96
52) Toluene	8.79	92	6405	2.09	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	3714	1.95	ug/l	93
54) cis-1,3-Dichloropropene	9.05	75	3395	1.79	ug/l #	83
55) 1,1,2-Trichloroethane	9.23	97	2604	2.05	ug/l	92
56) Ethyl methacrylate	9.20	69	3860	1.98	ug/l	94
57) 1,3-Dichloropropane	9.38	76	4336	2.15	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	9721	9.87	ug/l	97
59) 2-Hexanone	9.51	43	19751	10.01	ug/l	98
60) Dibromochloromethane	9.59	129	2590	1.80	ug/l	94
61) 1,2-Dibromoethane	9.68	107	2765	1.96	ug/l	99
64) Tetrachloroethene	9.34	164	2767	2.18	ug/l	91
65) Chlorobenzene	10.15	112	7376	2.00	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.23	131	2332	1.81	ug/l #	65
67) Ethyl Benzene	10.26	91	12303	1.99	ug/l	91
68) m/p-Xylenes	10.37	106	9659	3.95	ug/l	98
69) o-Xylene	10.71	106	4533	1.92	ug/l	95
70) Styrene	10.72	104	6982	1.81	ug/l	95
71) Bromoform	10.87	173	1785	1.53	ug/l #	88
73) Isopropylbenzene	11.03	105	12286	2.12	ug/l	99
74) N-amyl acetate	6.49	43	6297	2.16	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	4220	2.10	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	3895m	2.06	ug/l	
77) Bromobenzene	11.26	156	3369	2.15	ug/l	97
78) n-propylbenzene	11.37	91	14966	2.20	ug/l	99
79) 2-Chlorotoluene	11.43	91	8514	2.18	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	10032	2.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	980m	1.48	ug/l	
82) 4-Chlorotoluene	11.52	91	10407	2.21	ug/l	96
83) tert-Butylbenzene	11.78	119	10302	2.09	ug/l	96
84) 1,2,4-Trimethylbenzene	11.82	105	10422	2.05	ug/l	98
85) sec-Butylbenzene	11.96	105	13167	2.15	ug/l	97
86) p-Isopropyltoluene	12.07	119	11535	2.11	ug/l	97
87) 1,3-Dichlorobenzene	12.04	146	5967	1.98	ug/l	95
88) 1,4-Dichlorobenzene	12.10	146	6619	2.13	ug/l	87
89) n-Butylbenzene	12.40	91	10894	2.11	ug/l	98
90) Hexachloroethane	12.60	117	1631	1.83	ug/l	92
91) 1,2-Dichlorobenzene	12.40	146	5847	1.98	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1104	1.98	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	4355	1.96	ug/l	95
94) Hexachlorobutadiene	13.79	225	2014	2.08	ug/l	91
95) Naphthalene	13.84	128	15106	2.01	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	4395	2.01	ug/l	94

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

