

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000061.D
 Acq On : 12 Feb 2018 13:00
 Operator : JC/MD
 Sample : MDL 05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ClientSampled :
 MDL 05

Manual Integrations
 APPROVED

MMDadoda
 2/15/2018 6:05:09 PM

Quant Time: Feb 13 03:19:35 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	124662	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	202925	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	189709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	103110	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	67213	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
35) Dibromofluoromethane	5.52	113	57129	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.73	98	210753	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	11.15	95	83830	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	597	0.53	ug/l	100
3) Chloromethane	1.32	50	690	0.60	ug/l	99
4) Vinyl Chloride	1.40	62	713	0.55	ug/l #	85
5) Bromomethane	1.65	94	855	1.23	ug/l	81
6) Chloroethane	1.74	64	1432	1.84	ug/l #	69
7) Trichlorofluoromethane	1.94	101	1349	0.60	ug/l #	80
8) Diethyl Ether	2.20	74	514	0.63	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	2.39	101	674	0.53	ug/l	88
10) Methyl Iodide	2.52	142	857	2.23	ug/l #	91
11) Tert butyl alcohol	3.07	59	1693	3.25	ug/l #	68
12) 1,1-Dichloroethene	2.39	96	658	0.54	ug/l	91
13) Acrolein	2.30	56	895	3.35	ug/l	90
14) Allyl chloride	2.74	41	1047	0.50	ug/l #	81
15) Acrylonitrile	3.16	53	2569	2.83	ug/l	95
16) Acetone	2.45	43	2756	3.57	ug/l	92
17) Carbon Disulfide	2.58	76	2049	0.58	ug/l #	94
18) Methyl Acetate	2.79	43	1207	0.62	ug/l	96
19) Methyl tert-butyl Ether	3.22	73	2094	0.51	ug/l	96
20) Methylene Chloride	2.87	84	901	0.70	ug/l	94
21) trans-1,2-Dichloroethene	3.18	96	813	0.62	ug/l #	76
22) Diisopropyl ether	3.89	45	2268	0.65	ug/l	97
23) Vinyl Acetate	3.84	43	9030	2.87	ug/l	97
24) 1,1-Dichloroethane	3.71	63	1224	0.57	ug/l #	86
25) 2-Butanone	4.72	43	3536	3.04	ug/l	97
26) 2,2-Dichloropropane	4.59	77	1118	0.60	ug/l #	64
27) cis-1,2-Dichloroethene	4.61	96	593	0.46	ug/l	99
28) Bromochloromethane	5.03	49	386	0.54	ug/l #	89
29) Tetrahydrofuran	5.18	42	2711	3.40	ug/l	98
30) Chloroform	5.22	83	1296	0.59	ug/l #	77
31) Cyclohexane	5.60	56	906	0.51	ug/l #	83
32) 1,1,1-Trichloroethane	5.52	97	1073	0.52	ug/l #	48
36) 1,1-Dichloropropene	5.81	75	949	0.54	ug/l #	89
37) Ethyl Acetate	4.88	43	1544	0.68	ug/l #	77
38) Carbon Tetrachloride	5.80	117	1019	0.51	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.48	83	1056	0.49	ug/l #	63
40) Benzene	6.15	78	2409	0.48	ug/l #	86
41) Methacrylonitrile	5.08	41	844	0.72	ug/l #	72
42) 1,2-Dichloroethane	6.21	62	888	0.50	ug/l #	74
43) Isopropyl Acetate	6.48	43	1891	0.55	ug/l #	90
44) Trichloroethene	7.22	130	884	0.57	ug/l	91
45) 1,2-Dichloropropane	7.53	63	662	0.55	ug/l	99
46) Dibromomethane	7.67	93	502	0.54	ug/l #	83
47) Bromodichloromethane	7.91	83	765	0.42	ug/l #	95
48) Methyl methacrylate	7.79	41	1058	0.63	ug/l #	82
49) 1,4-Dioxane	7.78	88	462	10.27	ug/l #	90
51) 4-Methyl-2-Pentanone	8.66	43	5936	2.48	ug/l	95
52) Toluene	8.79	92	1642	0.49	ug/l	92
53) t-1,3-Dichloropropene	8.45	75	981	0.46	ug/l	91
54) cis-1,3-Dichloropropene	9.05	75	977	0.47	ug/l #	93
55) 1,1,2-Trichloroethane	9.23	97	667	0.47	ug/l #	87
56) Ethyl methacrylate	9.20	69	1106	0.51	ug/l	92
57) 1,3-Dichloropropane	9.38	76	1087	0.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	2797	2.62	ug/l	96
59) 2-Hexanone	9.51	43	5079	2.61	ug/l	92
60) Dibromochloromethane	9.59	129	795	0.49	ug/l	80
61) 1,2-Dibromoethane	9.68	107	702	0.45	ug/l	92
64) Tetrachloroethene	9.34	164	818	0.58	ug/l	94
65) Chlorobenzene	10.15	112	2156	0.55	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	758	0.53	ug/l #	58
67) Ethyl Benzene	10.26	91	3346	0.51	ug/l	95
68) m/p-Xylenes	10.37	106	2636	1.01	ug/l	99
69) o-Xylene	10.71	106	1191	0.47	ug/l	93
70) Styrene	10.72	104	2083	0.49	ug/l	94
71) Bromoform	10.87	173	514	0.38	ug/l #	93
73) Isopropylbenzene	11.03	105	3460	0.53	ug/l	100
74) N-amyl acetate	6.48	43	1891	0.58	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.28	83	1143	0.51	ug/l	95
76) 1,2,3-Trichloropropane	11.30	75	1019m	0.52	ug/l	
77) Bromobenzene	11.26	156	992	0.56	ug/l	92
78) n-propylbenzene	11.37	91	4242	0.56	ug/l	90
79) 2-Chlorotoluene	11.43	91	2510	0.57	ug/l	96
80) 1,3,5-Trimethylbenzene	11.52	105	2728	0.50	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.09	75	313m	0.40	ug/l	
82) 4-Chlorotoluene	11.52	91	2867	0.55	ug/l	94
83) tert-Butylbenzene	11.78	119	2739	0.49	ug/l	95
84) 1,2,4-Trimethylbenzene	11.82	105	2970	0.53	ug/l	93
85) sec-Butylbenzene	11.96	105	3616	0.53	ug/l	98
86) p-Isopropyltoluene	12.07	119	3349	0.55	ug/l	87
87) 1,3-Dichlorobenzene	12.04	146	1900	0.57	ug/l	98
88) 1,4-Dichlorobenzene	12.11	146	2077m	0.61	ug/l	
89) n-Butylbenzene	12.40	91	3083	0.54	ug/l	99
90) Hexachloroethane	12.61	117	540	0.50	ug/l	80
91) 1,2-Dichlorobenzene	12.40	146	1695	0.52	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	326	0.51	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	1355	0.54	ug/l	96
94) Hexachlorobutadiene	13.79	225	700	0.59	ug/l	85
95) Naphthalene	13.85	128	4235	0.52	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	1213	0.50	ug/l	90

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

