

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022318\
 Data File : VX000138.D
 Acq On : 23 Feb 2018 17:22
 Operator : JC/MD
 Sample : MDL07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ClientSampled :
 MDL07

Quant Time: Feb 24 01:32:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 21 06:17:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	23797	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	147389	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	140107	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	58233	31.62	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.40%
60) 4-Bromofluorobenzene	11.15	95	67062	29.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.53%
63) Toluene-d8	8.72	98	180145	30.02	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.07%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	3743	2.53	ug/l	96
3) Chloromethane	1.32	50	3472	2.35	ug/l	96
4) Vinyl Chloride	1.41	62	4022	2.28	ug/l	97
5) Bromomethane	1.65	94	3794	2.34	ug/l	92
6) Chloroethane	1.73	64	2900	2.57	ug/l	91
7) Trichlorofluoromethane	1.94	101	6785	2.22	ug/l	94
8) Diethyl Ether	2.20	74	2337	2.19	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4041	2.43	ug/l	90
10) 1,1-Dichloroethene	2.38	96	3204	2.01	ug/l #	75
11) Methyl Iodide	2.52	142	3153	2.04	ug/l	88
12) Methyl Acetate	2.78	43	6749	2.38	ug/l #	90
13) Acrolein	2.29	56	3495	10.22	ug/l	93
14) Acrylonitrile	3.15	53	14417	11.71	ug/l	97
15) Acetone	2.45	58	4500	11.21	ug/l	95
16) Carbon Disulfide	2.57	76	9084	2.00	ug/l #	92
17) Allyl chloride	2.73	41	6279	2.32	ug/l	86
18) Methylene Chloride	2.86	84	3802	2.19	ug/l #	88
19) trans-1,2-Dichloroethene	3.17	96	3636	2.10	ug/l	95
20) Diisopropyl ether	3.87	45	11538	2.70	ug/l	95
21) 1,1-Dichloroethane	3.71	63	6950	2.46	ug/l	95
22) cis-1,2-Dichloroethene	4.60	96	3743	2.33	ug/l #	78
23) tert-Butyl Alcohol	3.06	59	7815	11.10	ug/l #	100
24) Methyl tert-Butyl Ether	3.21	73	11601	2.12	ug/l	93
25) Chloroform	5.22	83	6286	2.25	ug/l	85
26) Cyclohexane	5.59	56	5379	2.43	ug/l #	97
29) 1,1-Dichloropropene	5.81	75	4642	2.16	ug/l	91
30) 2-Butanone	4.71	43	19542	11.83	ug/l	99
31) 2,2-Dichloropropane	4.59	77	4923	2.13	ug/l #	70
32) 1,1,1-Trichloroethane	5.51	97	5271	2.03	ug/l #	88
33) Carbon Tetrachloride	5.79	117	4535	1.97	ug/l	91
34) Benzene	6.15	78	13486	2.18	ug/l #	93
35) Methacrylonitrile	5.07	41	3096	2.04	ug/l	84
36) 1,2-Dichloroethane	6.20	62	5668	2.42	ug/l #	93
37) Trichloroethene	7.22	130	4291	2.35	ug/l	99
38) Methylcyclohexane	7.46	83	6171	2.40	ug/l	100
39) 1,2-Dichloropropane	7.53	63	3512	2.28	ug/l	95
40) Dibromomethane	7.67	93	2730	2.30	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	4536	2.01	ug/l	96
42) Vinyl Acetate	3.83	43	49904	11.85	ug/l	99
43) Ethyl Acetate	4.87	43	6702m	2.31	ug/l	
44) Isopropyl Acetate	6.48	43	9208	2.16	ug/l	# 65
45) 1,4-Dioxane	7.76	88	2348	43.85	ug/l	# 86
46) Methyl methacrylate	7.79	41	4616	2.23	ug/l	91
47) n-amyl Acetate	10.91	43	7346	1.98	ug/l	95
48) t-1,3-Dichloropropene	8.44	75	4971	1.89	ug/l	97
49) cis-1,3-Dichloropropene	9.05	75	4671	1.83	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	3735	2.14	ug/l	92
51) Ethyl methacrylate	9.19	69	4793	1.79	ug/l	88
52) 1,3-Dichloropropane	9.38	76	6381	2.28	ug/l	95
53) Dibromochloromethane	9.59	129	3319	1.71	ug/l	88
54) 1,2-Dibromoethane	9.68	107	3768	1.94	ug/l	100
55) 2-Chloroethyl vinyl ether	8.32	63	13280	11.38	ug/l	99
56) Bromoform	10.87	173	2580	1.64	ug/l	96
58) 4-Methyl-2-Pentanone	8.66	43	32681	10.65	ug/l	98
59) 2-Hexanone	9.51	43	28825	11.09	ug/l	97
61) Tetrachloroethene	9.34	164	3842	2.26	ug/l	95
62) Toluene	8.79	91	15904	2.18	ug/l	98
64) Chlorobenzene	10.15	112	10783	2.19	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.23	131	3231	1.85	ug/l	93
66) Ethyl Benzene	10.26	91	17972	2.16	ug/l	99
67) m/p-Xylenes	10.37	106	13375	4.10	ug/l	96
68) o-Xylene	10.71	106	6960	2.20	ug/l	88
69) Styrene	10.72	104	10473	2.00	ug/l	97
70) Isopropylbenzene	11.02	105	18021	2.10	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.27	83	6185	2.10	ug/l	94
72) 1,2,3-Trichloropropane	11.30	75	6071m	2.30	ug/l	
73) Bromobenzene	11.26	156	4606	2.05	ug/l	90
74) n-propylbenzene	11.37	91	21543	2.15	ug/l	99
75) 2-Chlorotoluene	11.43	91	12240	2.12	ug/l	99
76) 1,3,5-Trimethylbenzene	11.51	105	15141	2.09	ug/l	74
77) t-1,4-Dichloro-2-butene	11.09	75	1556	1.66	ug/l	85
78) 4-Chlorotoluene	11.52	91	14891	2.15	ug/l	98
79) tert-butylbenzene	11.78	119	14521m	2.01	ug/l	
80) 1,2,4-Trimethylbenzene	11.82	105	15004	2.03	ug/l	99
81) sec-Butylbenzene	11.96	105	18101	2.03	ug/l	98
82) p-Isopropyltoluene	12.07	119	15772	1.98	ug/l	96
83) 1,3-Dichlorobenzene	12.04	146	8708	2.04	ug/l	97
84) 1,4-Dichlorobenzene	12.11	146	8938	2.01	ug/l	98
85) n-Butylbenzene	12.40	91	15347	2.05	ug/l	96
86) Hexachloroethane	12.60	117	2330	1.75	ug/l	94
87) 1,2-Dichlorobenzene	12.40	146	8226	1.94	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	13.01	75	1525	1.85	ug/l	95
89) 1,2,4-Trichlorobenzene	13.65	180	6033	1.94	ug/l	98
90) Hexachlorobutadiene	13.79	225	2424	1.81	ug/l	90
91) Naphthalene	13.84	128	20366	1.87	ug/l	99
92) 1,2,3-Trichlorobenzene	14.03	180	6208	1.98	ug/l	95

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

