Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022018\
Data File : VX000114.D
Acq On : 20 Feb 2018 18:21
Operator : JC/MD
Sample : MDL01 2PPB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : MDL01 2PPB

Manual Integrations APPROVED
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Quant Time: Feb 21 06:26:39 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	15792	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.87	114	94131	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.12	117	87546	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.08	65	37427	30.62	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 102.07%				
60) 4-Bromofluorobenzene	11.15	95	42621	29.76	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 99.20%				
63) Toluene-d8	8.73	98	116113	30.96	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	2150	2.19	ug/l		97
3) Chloromethane	1.32	50	2284	2.33	ug/l		94
4) Vinyl Chloride	1.40	62	2787	2.38	ug/l		90
5) Bromomethane	1.64	94	2643	2.45	ug/l		94
6) Chloroethane	1.73	64	1912	2.56	ug/l		99
7) Trichlorofluoromethane	1.93	101	4577	2.26	ug/l		96
8) Diethyl Ether	2.20	74	1670	2.36	ug/l		95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2543	2.30	ug/l		98
10) 1,1-Dichloroethene	2.38	96	2438	2.31	ug/l		85
11) Methyl Iodide	2.51	142	1809	1.76	ug/l		94
12) Methyl Acetate	2.79	43	4253	2.26	ug/l		93
13) Acrolein	2.30	56	2636	11.62	ug/l		97
14) Acrylonitrile	3.16	53	8656	10.59	ug/l		98
15) Acetone	2.45	58	2717	10.20	ug/l		84
16) Carbon Disulfide	2.57	76	6959	2.31	ug/l		100
17) Allyl chloride	2.73	41	4127	2.29	ug/l		98
18) Methylene Chloride	2.87	84	2962	2.58	ug/l	#	82
19) trans-1,2-Dichloroethene	3.17	96	2821	2.46	ug/l		95
20) Diisopropyl ether	3.89	45	5894	2.07	ug/l	#	95
21) 1,1-Dichloroethane	3.70	63	3576	1.91	ug/l	#	87
22) cis-1,2-Dichloroethene	4.60	96	2330	2.18	ug/l		95
23) tert-Butyl Alcohol	3.09	59	4465	9.56	ug/l	#	100
24) Methyl tert-Butyl Ether	3.21	73	8151	2.24	ug/l		99
25) Chloroform	5.23	83	3933	2.12	ug/l		100
26) Cyclohexane	5.59	56	3252m	2.22	ug/l		
29) 1,1-Dichloropropene	5.80	75	3065m	2.24	ug/l		
30) 2-Butanone	4.73	43	10592	10.04	ug/l	#	95
31) 2,2-Dichloropropane	4.59	77	3163m	2.15	ug/l		
32) 1,1,1-Trichloroethane	5.51	97	3638	2.19	ug/l	#	89
33) Carbon Tetrachloride	5.79	117	3113m	2.11	ug/l		
34) Benzene	6.15	78	8346	2.12	ug/l	#	91
35) Methacrylonitrile	5.08	41	2257m	2.32	ug/l		
36) 1,2-Dichloroethane	6.21	62	3365	2.25	ug/l	#	95
37) Trichloroethene	7.22	130	2416	2.07	ug/l		94
38) Methylcyclohexane	7.47	83	3301	2.01	ug/l		95
39) 1,2-Dichloropropane	7.52	63	2143	2.18	ug/l		97
40) Dibromomethane	7.68	93	1638	2.16	ug/l		98

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Quant Time: Feb 21 06:26:39 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\624X022018W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Bromodichloromethane	7.91	83	2806	1.95	ug/l		95
42) Vinyl Acetate	3.84	43	23371	8.69	ug/l		99
43) Ethyl Acetate	4.88	43	3925	2.12	ug/l	#	89
44) Isopropyl Acetate	6.48	43	5651	2.08	ug/l		96
45) 1,4-Dioxane	7.78	88	1281	37.46	ug/l		97
46) Methyl methacrylate	7.79	41	2741	2.07	ug/l		93
47) n-amyl Acetate	10.91	43	4495	1.89	ug/l		97
48) t-1,3-Dichloropropene	8.45	75	3260	1.94	ug/l	#	87
49) cis-1,3-Dichloropropene	9.06	75	3139	1.92	ug/l		92
50) 1,1,2-Trichloroethane	9.23	97	2248	2.02	ug/l	#	85
51) Ethyl methacrylate	9.19	69	3097	1.81	ug/l		92
52) 1,3-Dichloropropane	9.38	76	3713	2.08	ug/l		93
53) Dibromochloromethane	9.59	129	2204	1.78	ug/l		90
54) 1,2-Dibromoethane	9.68	107	2374	1.91	ug/l		92
55) 2-Chloroethyl vinyl ether	8.32	63	8404	11.28	ug/l		96
56) Bromoform	10.87	173	1511	1.51	ug/l	#	95
58) 4-Methyl-2-Pentanone	8.66	43	18991	9.90	ug/l		99
59) 2-Hexanone	9.51	43	15365	9.46	ug/l		98
61) Tetrachloroethene	9.34	164	2264	2.13	ug/l		91
62) Toluene	8.79	91	9749	2.14	ug/l		97
64) Chlorobenzene	10.15	112	6870	2.23	ug/l		96
65) 1,1,1,2-Tetrachloroethane	10.23	131	2179	2.00	ug/l		96
66) Ethyl Benzene	10.26	91	11137	2.14	ug/l		96
67) m/p-Xylenes	10.37	106	8125	3.99	ug/l		100
68) o-Xylene	10.71	106	4224	2.13	ug/l		98
69) Styrene	10.72	104	6476	1.97	ug/l		99
70) Isopropylbenzene	11.02	105	10688	2.00	ug/l		98
71) 1,1,2,2-Tetrachloroethane	11.28	83	3668	1.99	ug/l		97
72) 1,2,3-Trichloropropane	11.30	75	3286m	1.99	ug/l		
73) Bromobenzene	11.27	156	3014	2.15	ug/l		96
74) n-propylbenzene	11.37	91	13003	2.07	ug/l		96
75) 2-Chlorotoluene	11.43	91	7409	2.05	ug/l		98
76) 1,3,5-Trimethylbenzene	11.51	105	9031	1.99	ug/l		67
77) t-1,4-Dichloro-2-butene	11.09	75	1011	1.73	ug/l		90
78) 4-Chlorotoluene	11.52	91	8781	2.03	ug/l		99
79) tert-butylbenzene	11.78	119	8786m	1.95	ug/l		
80) 1,2,4-Trimethylbenzene	11.82	105	9032	1.95	ug/l		93
81) sec-Butylbenzene	11.96	105	11378	2.04	ug/l		96
82) p-Isopropyltoluene	12.07	119	9705	1.95	ug/l		98
83) 1,3-Dichlorobenzene	12.04	146	5243	1.96	ug/l		98
84) 1,4-Dichlorobenzene	12.10	146	5622	2.02	ug/l		99
85) n-Butylbenzene	12.40	91	9067	1.94	ug/l		98
86) Hexachloroethane	12.60	117	1417	1.70	ug/l		91
87) 1,2-Dichlorobenzene	12.40	146	5228	1.97	ug/l		97
88) 1,2-Dibromo-3-Chloropropan	13.01	75	1067	2.07	ug/l	#	74
89) 1,2,4-Trichlorobenzene	13.66	180	3950	2.03	ug/l		98
90) Hexachlorobutadiene	13.79	225	1578	1.88	ug/l		98
91) Naphthalene	13.84	128	12799	1.88	ug/l		100
92) 1,2,3-Trichlorobenzene	14.03	180	3490	1.79	ug/l		94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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