Quantitation Report (QT Reviewed)

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX022118\
Data File : VX000122.D
Acq On : 21 Feb 2018 17:53
Operator : JC/MD
Sample : MDL03 2.00PPB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ClientSampleId :
MDL03 2.00PPB

Manual Integrations APPROVED
sam
2/23/2018 5:52:35 PM

Quant Time: Feb 22 07:16:12 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	13955	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	6.87	114	86327	30.00	ug/l		0.00
57) Chlorobenzene-d5	10.12	117	80956	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	6.07	65	35094	32.49	ug/l		-0.01
Spiked Amount 30.000	Range 50 - 169		Recovery = 108.30%				
60) 4-Bromofluorobenzene	11.15	95	39377	29.73	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 99.10%				
63) Toluene-d8	8.73	98	106936	30.84	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 102.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.20	85	1991	2.30	ug/l		88
3) Chloromethane	1.32	50	2048	2.36	ug/l		89
4) Vinyl Chloride	1.40	62	2280	2.21	ug/l		92
5) Bromomethane	1.64	94	1991	2.09	ug/l		90
6) Chloroethane	1.73	64	1854	2.80	ug/l		94
7) Trichlorofluoromethane	1.93	101	4108	2.30	ug/l		99
8) Diethyl Ether	2.19	74	1473	2.36	ug/l		88
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2221	2.28	ug/l		96
10) 1,1-Dichloroethene	2.38	96	2079	2.23	ug/l		84
11) Methyl Iodide	2.51	142	1678	1.85	ug/l		83
12) Methyl Acetate	2.78	43	3593	2.16	ug/l		99
13) Acrolein	2.30	56	2161	10.78	ug/l		85
14) Acrylonitrile	3.15	53	7566	10.48	ug/l		96
15) Acetone	2.45	58	2152	9.14	ug/l		95
16) Carbon Disulfide	2.57	76	5906	2.21	ug/l		96
17) Allyl chloride	2.73	41	3475	2.19	ug/l		88
18) Methylene Chloride	2.86	84	2504	2.46	ug/l	#	87
19) trans-1,2-Dichloroethene	3.16	96	2338	2.30	ug/l		93
20) Diisopropyl ether	3.87	45	7023	2.80	ug/l		95
21) 1,1-Dichloroethane	3.70	63	3864	2.34	ug/l		98
22) cis-1,2-Dichloroethene	4.61	96	1998m	2.12	ug/l		
23) tert-Butyl Alcohol	3.09	59	3830	9.28	ug/l	#	100
24) Methyl tert-Butyl Ether	3.21	73	7161	2.23	ug/l		97
25) Chloroform	5.23	83	3397	2.07	ug/l		84
26) Cyclohexane	5.59	56	2958m	2.28	ug/l		
29) 1,1-Dichloropropene	5.81	75	2396	1.91	ug/l		93
30) 2-Butanone	4.73	43	9147	9.45	ug/l	#	92
31) 2,2-Dichloropropane	4.59	77	2205	1.63	ug/l		93
32) 1,1,1-Trichloroethane	5.51	97	2976m	1.96	ug/l		
33) Carbon Tetrachloride	5.80	117	2596m	1.92	ug/l		
34) Benzene	6.15	78	7531	2.08	ug/l	#	92
35) Methacrylonitrile	5.09	41	1990m	2.23	ug/l		
36) 1,2-Dichloroethane	6.21	62	3014	2.20	ug/l	#	86
37) Trichloroethene	7.23	130	2304	2.15	ug/l	#	75
38) Methylcyclohexane	7.46	83	2934	1.95	ug/l		96
39) 1,2-Dichloropropane	7.53	63	1876	2.08	ug/l		98
40) Dibromomethane	7.67	93	1392	2.00	ug/l		94

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Quant Time: Feb 22 07:16:12 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)
41) Bromodichloromethane	7.91	83	2568	1.94	ug/l		100
42) Vinyl Acetate	3.84	43	27437	11.12	ug/l		99
43) Ethyl Acetate	4.89	43	3777m	2.22	ug/l		
44) Isopropyl Acetate	6.48	43	4850	1.94	ug/l		96
45) 1,4-Dioxane	7.77	88	1148	36.60	ug/l		90
46) Methyl methacrylate	7.79	41	2437	2.01	ug/l		83
47) n-amyl Acetate	10.91	43	3932	1.81	ug/l		95
48) t-1,3-Dichloropropene	8.45	75	2755	1.79	ug/l		99
49) cis-1,3-Dichloropropene	9.05	75	2571	1.72	ug/l	#	88
50) 1,1,2-Trichloroethane	9.23	97	2051	2.01	ug/l	#	92
51) Ethyl methacrylate	9.19	69	2716	1.74	ug/l		91
52) 1,3-Dichloropropane	9.38	76	3377	2.06	ug/l		88
53) Dibromochloromethane	9.59	129	1841	1.62	ug/l		99
54) 1,2-Dibromoethane	9.68	107	2021	1.77	ug/l		97
55) 2-Chloroethyl vinyl ether	8.32	63	7020	10.27	ug/l		97
56) Bromoform	10.87	173	1416	1.54	ug/l	#	94
58) 4-Methyl-2-Pentanone	8.67	43	17140	9.67	ug/l		98
59) 2-Hexanone	9.51	43	13712	9.13	ug/l		96
61) Tetrachloroethene	9.34	164	1962	2.00	ug/l		89
62) Toluene	8.79	91	8858	2.10	ug/l		98
64) Chlorobenzene	10.15	112	5627	1.98	ug/l		94
65) 1,1,1,2-Tetrachloroethane	10.23	131	1907	1.89	ug/l		92
66) Ethyl Benzene	10.26	91	9764	2.03	ug/l		99
67) m/p-Xylenes	10.37	106	7321	3.88	ug/l		98
68) o-Xylene	10.71	106	3381	1.85	ug/l		90
69) Styrene	10.72	104	5292	1.75	ug/l		92
70) Isopropylbenzene	11.02	105	9406	1.90	ug/l		99
71) 1,1,2,2-Tetrachloroethane	11.27	83	3126	1.84	ug/l		98
72) 1,2,3-Trichloropropane	11.31	75	2858m	1.87	ug/l		
73) Bromobenzene	11.26	156	2668	2.06	ug/l		92
74) n-propylbenzene	11.37	91	11658	2.01	ug/l		99
75) 2-Chlorotoluene	11.43	91	6536	1.96	ug/l		95
76) 1,3,5-Trimethylbenzene	11.51	105	7774	1.85	ug/l		70
77) t-1,4-Dichloro-2-butene	11.09	75	757	1.40	ug/l		89
78) 4-Chlorotoluene	11.52	91	7456	1.87	ug/l		99
79) tert-butylbenzene	11.78	119	7602m	1.82	ug/l		
80) 1,2,4-Trimethylbenzene	11.82	105	8056	1.88	ug/l		99
81) sec-Butylbenzene	11.96	105	9765	1.89	ug/l		96
82) p-Isopropyltoluene	12.07	119	8488	1.84	ug/l		98
83) 1,3-Dichlorobenzene	12.04	146	4615	1.87	ug/l		96
84) 1,4-Dichlorobenzene	12.10	146	4531	1.76	ug/l		94
85) n-Butylbenzene	12.40	91	7909	1.83	ug/l		98
86) Hexachloroethane	12.60	117	1363	1.77	ug/l		91
87) 1,2-Dichlorobenzene	12.40	146	4812	1.97	ug/l		94
88) 1,2-Dibromo-3-Chloropropan	13.01	75	809	1.70	ug/l		87
89) 1,2,4-Trichlorobenzene	13.65	180	3314	1.84	ug/l		97
90) Hexachlorobutadiene	13.79	225	1436	1.85	ug/l		90
91) Naphthalene	13.84	128	11343	1.81	ug/l		99
92) 1,2,3-Trichlorobenzene	14.03	180	3395	1.88	ug/l		96

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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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