Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100518\
Data File : VN051673.D
Acq On : 5 Oct 2018 8:04
Operator : MD\SY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 28

Quant Time: Oct 05 10:50:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 10:47:33 2018
Response via : Initial Calibration

Instrument : MSVOA_N
ClientSampleId : VSTDICC005

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.20	128	103893	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	604528	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	495626	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	222704	31.33	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 104.43%				
60) 4-Bromofluorobenzene	12.40	95	196764	26.29	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 87.63%				
63) Toluene-d8	10.09	98	704996	29.69	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 98.97%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.85	85	23725	4.698	ug/l		97
3) Chloromethane	2.06	50	29020	3.303	ug/l		99
4) Vinyl Chloride	2.18	62	45558	4.821	ug/l		98
5) Bromomethane	2.57	94	38257	6.228	ug/l		91
6) Chloroethane	2.71	64	30848	5.268	ug/l		98
7) Trichlorofluoromethane	3.02	101	45255	3.662	ug/l		91
8) Diethyl Ether	3.41	74	14550	3.970	ug/l		83
9) 1,1,2-Trichlorotrifluoroet	3.76	101	29721	4.760	ug/l	#	36
10) 1,1-Dichloroethene	3.73	96	27259	4.778	ug/l		89
11) Methyl Iodide	3.95	142	24716	2.901	ug/l		94
12) Methyl Acetate	4.33	43	20869	4.190	ug/l		99
13) Acrolein	3.61	56	8657	12.742	ug/l		87
14) Acrylonitrile	4.99	53	39727	19.477	ug/l	#	49
15) Acetone	3.82	58	11242	22.602	ug/l		75
16) Carbon Disulfide	4.05	76	72219	4.014	ug/l		96
17) Allyl chloride	4.33	41	35186	3.516	ug/l		83
18) Methylene Chloride	4.55	84	28571	4.184	ug/l		97
19) trans-1,2-Dichloroethene	5.04	96	28525	4.592	ug/l		89
20) Diisopropyl ether	5.95	45	84963	4.172	ug/l	#	93
21) 1,1-Dichloroethane	5.85	63	52018	4.284	ug/l		97
22) cis-1,2-Dichloroethene	6.83	96	35017	5.020	ug/l		89
23) tert-Butyl Alcohol	4.79	59	7499	19.656	ug/l	#	100
24) Methyl tert-Butyl Ether	5.05	73	82519	5.303	ug/l	#	87
25) Chloroform	7.37	83	59021	4.858	ug/l		95
26) Cyclohexane	7.65	56	42875	4.155	ug/l	#	79
29) 1,1-Dichloropropene	7.79	75	38932	3.880	ug/l		94
30) 2-Butanone	6.84	43	56805	22.266	ug/l		95
31) 2,2-Dichloropropane	6.83	77	56312	5.264	ug/l	#	84
32) 1,1,1-Trichloroethane	7.57	97	56419	4.923	ug/l		94
33) Carbon Tetrachloride	7.77	117	48685	4.655	ug/l		92
34) Benzene	8.04	78	119026	3.984	ug/l		95
35) Methacrylonitrile	7.18	41	11072	3.437	ug/l		87
36) 1,2-Dichloroethane	8.12	62	41329	4.293	ug/l	#	93
37) Trichloroethene	8.83	130	33830	4.292	ug/l		98
38) Methylcyclohexane	9.08	83	51233	4.459	ug/l		82
39) 1,2-Dichloropropane	9.12	63	30182	3.714	ug/l		96
40) Dibromomethane	9.21	93	20440	4.420	ug/l		95

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Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N100518W.M
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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Bromodichloromethane	9.40	83	46531	4.588 ug/l		93
42) Vinyl Acetate	5.90	43	294483	20.539 ug/l	#	95
43) Ethyl Acetate	6.93	43	17922	3.337 ug/l		96
44) Isopropyl Acetate	8.17	43	46713	4.540 ug/l	#	61
45) 1,4-Dioxane	9.21	88	5356	85.128 ug/l		87
46) Methyl methacrylate	9.20	41	19684	3.854 ug/l		82
47) n-amyl Acetate	12.07	43	33633m	4.114 ug/l		
48) t-1,3-Dichloropropene	10.38	75	39951	4.002 ug/l		92
49) cis-1,3-Dichloropropene	9.84	75	48645	4.172 ug/l		90
50) 1,1,2-Trichloroethane	10.56	97	27510	4.173 ug/l		94
51) Ethyl methacrylate	10.43	69	33603	4.353 ug/l		90
52) 1,3-Dichloropropane	10.71	76	44520	4.000 ug/l		96
53) Dibromochloromethane	10.90	129	34482	4.547 ug/l		97
54) 1,2-Dibromoethane	11.01	107	26930	4.253 ug/l		99
55) 2-Chloroethyl vinyl ether	9.70	63	71921	18.681 ug/l		95
56) Bromoform	12.12	173	21614	4.253 ug/l	#	93
58) 4-Methyl-2-Pentanone	9.99	43	115219	22.489 ug/l	#	95
59) 2-Hexanone	10.75	43	78821	23.629 ug/l		95
61) Tetrachloroethene	10.63	164	33014	4.859 ug/l		95
62) Toluene	10.16	91	129024	4.313 ug/l		99
64) Chlorobenzene	11.43	112	80837	4.415 ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.51	131	33339	4.703 ug/l		99
66) Ethyl Benzene	11.51	91	143039	4.653 ug/l		98
67) m/p-Xylenes	11.62	106	106058	8.873 ug/l		99
68) o-Xylene	11.95	106	53809	4.737 ug/l		95
69) Styrene	11.96	104	79314	4.409 ug/l		98
70) Isopropylbenzene	12.25	105	141997	4.663 ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.50	83	30720	4.351 ug/l		95
72) 1,2,3-Trichloropropane	12.55	75	25187m	4.119 ug/l		
73) Bromobenzene	12.53	156	31598	4.157 ug/l		90
74) n-propylbenzene	12.59	91	150299	4.263 ug/l		99
75) 2-Chlorotoluene	12.67	91	87801	4.211 ug/l		96
76) 1,3,5-Trimethylbenzene	12.73	105	115595	4.590 ug/l		99
77) t-1,4-Dichloro-2-butene	12.30	75	7242	3.799 ug/l		97
78) 4-Chlorotoluene	12.77	91	79199	3.824 ug/l		94
79) tert-butylbenzene	12.99	119	107788	4.941 ug/l		97
80) 1,2,4-Trimethylbenzene	13.04	105	110946	4.367 ug/l		99
81) sec-Butylbenzene	13.17	105	138130	4.595 ug/l		98
82) p-Isopropyltoluene	13.29	119	114797	4.420 ug/l		98
83) 1,3-Dichlorobenzene	13.28	146	47846	3.588 ug/l		93
84) 1,4-Dichlorobenzene	13.36	146	43382	3.459 ug/l		97
85) n-Butylbenzene	13.62	91	83375	3.962 ug/l		98
86) Hexachloroethane	13.87	117	24630	4.776 ug/l		91
87) 1,2-Dichlorobenzene	13.65	146	49599	3.886 ug/l		96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	4536	4.382 ug/l	#	91
89) 1,2,4-Trichlorobenzene	14.91	180	12918	2.093 ug/l		97
90) Hexachlorobutadiene	15.01	225	18128	3.736 ug/l		99
91) Naphthalene	15.13	128	29258	2.581 ug/l		97
92) 1,2,3-Trichlorobenzene	15.32	180	14828	2.383 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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