Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN071319\
Data File : VN056684.D
Acq On : 12 Jul 2019 12:29
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED
MMDadoda
7/16/2019 9:59:29 AM

Quant Time: Jul 13 00:00:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N071319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:38:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.19	128	53174	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.59	114	290266	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	248851	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	108296	29.72	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.07%				
60) 4-Bromofluorobenzene	12.40	95	105889	27.58	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 91.93%				
63) Toluene-d8	10.09	98	349066	30.25	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.83%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.85	85	13002	4.703	ug/l		100
3) Chloromethane	2.06	50	18556	4.701	ug/l		98
4) Vinyl Chloride	2.18	62	18779	5.001	ug/l		96
5) Bromomethane	2.55	94	14421m	7.078	ug/l		
6) Chloroethane	2.69	64	11297	5.418	ug/l		95
7) Trichlorofluoromethane	3.00	101	24961	5.190	ug/l		98
8) Diethyl Ether	3.40	74	10470	5.200	ug/l		98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	16430	5.406	ug/l		90
10) 1,1-Dichloroethene	3.73	96	15555	5.252	ug/l		92
11) Methyl Iodide	3.95	142	15399	3.657	ug/l		99
12) Methyl Acetate	4.33	43	28066	7.070	ug/l		97
13) Acrolein	3.61	56	10687	29.526	ug/l		97
14) Acrylonitrile	4.99	53	46224	26.445	ug/l		98
15) Acetone	3.82	58	13734	25.697	ug/l		94
16) Carbon Disulfide	4.05	76	39361	5.393	ug/l		99
17) Allyl chloride	4.32	41	26909	5.181	ug/l		97
18) Methylene Chloride	4.55	84	19068	5.438	ug/l		89
19) trans-1,2-Dichloroethene	5.03	96	16673	5.185	ug/l		90
20) Diisopropyl ether	5.96	45	54470	5.117	ug/l		98
21) 1,1-Dichloroethane	5.85	63	31550	5.244	ug/l		97
22) cis-1,2-Dichloroethene	6.83	96	19996	5.295	ug/l		98
23) tert-Butyl Alcohol	4.79	59	15674	23.915	ug/l	#	100
24) Methyl tert-Butyl Ether	5.05	73	50006	5.131	ug/l		98
25) Chloroform	7.37	83	31112	5.265	ug/l		98
26) Cyclohexane	7.65	56	28297	5.068	ug/l	#	98
29) 1,1-Dichloropropene	7.79	75	23200	5.261	ug/l		97
30) 2-Butanone	6.84	43	64230	25.874	ug/l		99
31) 2,2-Dichloropropane	6.82	77	21432	5.052	ug/l		97
32) 1,1,1-Trichloroethane	7.57	97	24088	5.141	ug/l		100
33) Carbon Tetrachloride	7.77	117	19962	4.990	ug/l		99
34) Benzene	8.04	78	71719	5.223	ug/l	#	67
35) Methacrylonitrile	7.18	41	10718	5.242	ug/l		96
36) 1,2-Dichloroethane	8.13	62	24058	5.402	ug/l		99
37) Trichloroethene	8.84	130	19860	5.490	ug/l		99
38) Methylcyclohexane	9.08	83	28238	5.098	ug/l		99
39) 1,2-Dichloropropane	9.12	63	19271	5.228	ug/l		100
40) Dibromomethane	9.21	93	12605	5.503	ug/l		96

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ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDICC005

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Quant Time: Jul 13 00:00:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N071319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:38:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Bromodichloromethane	9.40	83	21071	4.947 ug/l		97
42) Vinyl Acetate	5.90	43	200914	23.209 ug/l		100
43) Ethyl Acetate	6.93	43	24579	5.238 ug/l		99
44) Isopropyl Acetate	8.17	43	36812	5.045 ug/l	#	88
45) 1,4-Dioxane	9.20	88	7219	99.596 ug/l		89
46) Methyl methacrylate	9.20	41	16667	4.641 ug/l		97
47) n-amyl Acetate	12.07	43	26333	4.355 ug/l		98
48) t-1,3-Dichloropropene	10.38	75	22562	4.932 ug/l		96
49) cis-1,3-Dichloropropene	9.84	75	25209	4.794 ug/l		99
50) 1,1,2-Trichloroethane	10.56	97	18243	5.427 ug/l		97
51) Ethyl methacrylate	10.43	69	24805	4.717 ug/l		94
52) 1,3-Dichloropropane	10.71	76	29125	5.078 ug/l		100
53) Dibromochloromethane	10.90	129	16050	4.837 ug/l		99
54) 1,2-Dibromoethane	11.00	107	18062	5.148 ug/l		98
55) 2-Chloroethyl vinyl ether	9.70	63	59693	22.477 ug/l		99
56) Bromoform	12.12	173	11181	4.602 ug/l	#	94
58) 4-Methyl-2-Pentanone	9.99	43	121182	26.674 ug/l		99
59) 2-Hexanone	10.75	43	87457	25.593 ug/l		99
61) Tetrachloroethene	10.63	164	19888	6.121 ug/l		95
62) Toluene	10.16	91	75579	5.339 ug/l		99
64) Chlorobenzene	11.43	112	45928	5.378 ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.51	131	16199	5.228 ug/l		99
66) Ethyl Benzene	11.51	91	77762	5.060 ug/l		99
67) m/p-Xylenes	11.62	106	58389	10.235 ug/l		99
68) o-Xylene	11.95	106	29959	5.352 ug/l		93
69) Styrene	11.96	104	44986	4.834 ug/l		98
70) Isopropylbenzene	12.25	105	75850	5.174 ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.50	83	25920	5.377 ug/l		99
72) 1,2,3-Trichloropropane	12.55	75	21067m	5.209 ug/l		
73) Bromobenzene	12.53	156	19305	5.100 ug/l		95
74) n-propylbenzene	12.59	91	79955	4.783 ug/l		100
75) 2-Chlorotoluene	12.67	91	51470	5.164 ug/l		100
76) 1,3,5-Trimethylbenzene	12.73	105	63466	5.081 ug/l		98
77) t-1,4-Dichloro-2-butene	12.30	75	5144	3.911 ug/l		81
78) 4-Chlorotoluene	12.77	91	45783	4.733 ug/l		100
79) tert-butylbenzene	12.99	119	55536	5.222 ug/l		98
80) 1,2,4-Trimethylbenzene	13.04	105	61682	4.998 ug/l		100
81) sec-Butylbenzene	13.17	105	71967	5.096 ug/l		100
82) p-Isopropyltoluene	13.29	119	61648	4.833 ug/l		99
83) 1,3-Dichlorobenzene	13.28	146	29972	4.751 ug/l		98
84) 1,4-Dichlorobenzene	13.36	146	26934	4.436 ug/l		97
85) n-Butylbenzene	13.61	91	45819	4.292 ug/l		99
86) Hexachloroethane	13.87	117	8809	4.541 ug/l		96
87) 1,2-Dichlorobenzene	13.65	146	31843	5.009 ug/l		97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	3644	4.243 ug/l		94
89) 1,2,4-Trichlorobenzene	14.91	180	14149	4.037 ug/l		98
90) Hexachlorobutadiene	15.01	225	12585	5.687 ug/l		95
91) Naphthalene	15.13	128	34219	3.546 ug/l		99
92) 1,2,3-Trichlorobenzene	15.31	180	17023	4.640 ug/l		99

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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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