Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN052919\
Data File : VN055875.D
Acq On : 29 May 2019 14:08
Operator : JC/SP
Sample : VN0529WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 30 09:10:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

Instrument : MSVOA_N
ClientSampleId : VN0529WBS01

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	7.19	128	55388	30.00	ug/l		0.00
28) 1,4-Difluorobenzene	8.58	114	294950	30.00	ug/l		0.00
57) Chlorobenzene-d5	11.41	117	260118	30.00	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.03	65	107931	29.81	ug/l		0.00
Spiked Amount 30.000	Range 50 - 169		Recovery = 99.37%				
60) 4-Bromofluorobenzene	12.40	95	116688	28.84	ug/l		0.00
Spiked Amount 30.000	Range 56 - 143		Recovery = 96.13%				
63) Toluene-d8	10.09	98	359297	30.23	ug/l		0.00
Spiked Amount 30.000	Range 66 - 137		Recovery = 100.77%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.85	85	45435	18.709	ug/l		95
3) Chloromethane	2.06	50	62514	18.098	ug/l		97
4) Vinyl Chloride	2.18	62	67798	19.231	ug/l		99
5) Bromomethane	2.54	94	48565	23.528	ug/l		99
6) Chloroethane	2.69	64	41334	20.069	ug/l		95
7) Trichlorofluoromethane	3.01	101	88927	20.106	ug/l		99
8) Diethyl Ether	3.40	74	39812	20.475	ug/l		94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56516	20.223	ug/l		99
10) 1,1-Dichloroethene	3.72	96	56382	19.286	ug/l		96
11) Methyl Iodide	3.94	142	84684	20.305	ug/l		99
12) Methyl Acetate	4.33	43	67047	18.751	ug/l		100
13) Acrolein	3.60	56	38404	77.300	ug/l		99
14) Acrylonitrile	4.99	53	158392	97.164	ug/l		99
15) Acetone	3.82	58	44816	88.522	ug/l		93
16) Carbon Disulfide	4.04	76	139250	16.613	ug/l		99
17) Allyl chloride	4.31	41	93582	17.773	ug/l		95
18) Methylene Chloride	4.54	84	65840	19.664	ug/l		94
19) trans-1,2-Dichloroethene	5.03	96	60732	19.311	ug/l		97
20) Diisopropyl ether	5.96	45	191374	18.736	ug/l		97
21) 1,1-Dichloroethane	5.84	63	110005	19.056	ug/l		99
22) cis-1,2-Dichloroethene	6.83	96	72676	19.814	ug/l		94
23) tert-Butyl Alcohol	4.81	59	62972	87.959	ug/l	#	100
24) Methyl tert-Butyl Ether	5.05	73	189643	19.117	ug/l		99
25) Chloroform	7.37	83	110941	19.458	ug/l		99
26) Cyclohexane	7.65	56	100834	18.933	ug/l	#	98
29) 1,1-Dichloropropene	7.79	75	80850	19.581	ug/l		98
30) 2-Butanone	6.84	43	211330	96.024	ug/l		99
31) 2,2-Dichloropropane	6.82	77	83050	17.284	ug/l		98
32) 1,1,1-Trichloroethane	7.57	97	96164	19.649	ug/l		100
33) Carbon Tetrachloride	7.77	117	80499	18.387	ug/l		98
34) Benzene	8.04	78	259970	20.393	ug/l		99
35) Methacrylonitrile	7.18	41	36162	17.802	ug/l		95
36) 1,2-Dichloroethane	8.12	62	84857	20.370	ug/l		99
37) Trichloroethene	8.83	130	72845	20.481	ug/l		99
38) Methylcyclohexane	9.08	83	100863	19.280	ug/l		99
39) 1,2-Dichloropropane	9.12	63	66443	19.388	ug/l		99
40) Dibromomethane	9.21	93	44932	20.305	ug/l		96

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Bromodichloromethane	9.40	83	82605	18.214 ug/l		98
42) Vinyl Acetate	5.90	43	805040	94.215 ug/l		100
43) Ethyl Acetate	6.93	43	86540	20.005 ug/l	#	100
44) Isopropyl Acetate	8.17	43	132965	18.562 ug/l	#	88
45) 1,4-Dioxane	9.20	88	26719	396.475 ug/l		94
46) Methyl methacrylate	9.20	41	65221	19.515 ug/l		98
47) n-amyl Acetate	12.07	43	109079	18.410 ug/l		95
48) t-1,3-Dichloropropene	10.38	75	85230	17.024 ug/l		100
49) cis-1,3-Dichloropropene	9.84	75	99030	18.072 ug/l		100
50) 1,1,2-Trichloroethane	10.56	97	65104	20.209 ug/l		99
51) Ethyl methacrylate	10.43	69	99782	19.216 ug/l		99
52) 1,3-Dichloropropane	10.71	76	105309	19.832 ug/l		100
53) Dibromochloromethane	10.90	129	67596	17.762 ug/l		99
54) 1,2-Dibromoethane	11.00	107	67155	20.145 ug/l		99
55) 2-Chloroethyl vinyl ether	9.69	63	180068	89.127 ug/l		99
56) Bromoform	12.13	173	48826	15.641 ug/l	#	93
58) 4-Methyl-2-Pentanone	9.99	43	423516	98.351 ug/l		99
59) 2-Hexanone	10.75	43	292467	95.003 ug/l		99
61) Tetrachloroethene	10.63	164	73927	20.995 ug/l		98
62) Toluene	10.16	91	284967	20.372 ug/l		99
64) Chlorobenzene	11.43	112	172809	20.366 ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.51	131	64906	18.985 ug/l		99
66) Ethyl Benzene	11.51	91	305049	19.960 ug/l		100
67) m/p-Xylenes	11.62	106	234392	40.371 ug/l		99
68) o-Xylene	11.95	106	116951	20.356 ug/l		99
69) Styrene	11.96	104	186257	19.650 ug/l		98
70) Isopropylbenzene	12.25	105	307951	20.486 ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.50	83	92443	19.982 ug/l		100
72) 1,2,3-Trichloropropane	12.55	75	75760m	19.027 ug/l		
73) Bromobenzene	12.53	156	79066	19.882 ug/l		98
74) n-propylbenzene	12.59	91	322033	19.863 ug/l		100
75) 2-Chlorotoluene	12.67	91	198620	20.056 ug/l		100
76) 1,3,5-Trimethylbenzene	12.73	105	252528	20.323 ug/l		100
77) t-1,4-Dichloro-2-butene	12.30	75	22561	14.265 ug/l		88
78) 4-Chlorotoluene	12.77	91	182138	19.406 ug/l		99
79) tert-butylbenzene	12.99	119	225576	20.650 ug/l		99
80) 1,2,4-Trimethylbenzene	13.04	105	245393	19.894 ug/l		100
81) sec-Butylbenzene	13.17	105	283184	20.404 ug/l		100
82) p-Isopropyltoluene	13.29	119	257651	20.171 ug/l		99
83) 1,3-Dichlorobenzene	13.28	146	121096	19.425 ug/l		99
84) 1,4-Dichlorobenzene	13.36	146	113551	19.126 ug/l		100
85) n-Butylbenzene	13.61	91	184715	18.588 ug/l		99
86) Hexachloroethane	13.87	117	42006	16.720 ug/l		95
87) 1,2-Dichlorobenzene	13.65	146	127281	20.276 ug/l		98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15082	17.201 ug/l		98
89) 1,2,4-Trichlorobenzene	14.91	180	53928	15.915 ug/l		99
90) Hexachlorobutadiene	15.01	225	48753	19.283 ug/l		97
91) Naphthalene	15.13	128	150963	16.305 ug/l		99
92) 1,2,3-Trichlorobenzene	15.31	180	62091	17.533 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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