Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU012320\
Data File : VU036545.D
Acq On : 23 Jan 2020 17:56
Operator : JC/MD
Sample : VU0123WBS02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0123WBS02

Manual Integrations APPROVED
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1/27/2020 1:46:52 PM

Quant Time: Jan 24 03:09:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U012220DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jan 23 08:59:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	6.15	96	35486	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.66	95	13329	0.99	ug/l		0.00
Spiked Amount 1.000			Recovery = 99.00%				
68) 1,2-Dichlorobenzene-d4	12.21	152	13364	0.97	ug/l		0.00
Spiked Amount 1.000			Recovery = 97.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.39	85	23629	2.014	ug/l		97
3) Chloromethane	1.54	50	26588	2.114	ug/l		98
4) Vinyl Chloride	1.62	62	28470	1.999	ug/l		100
5) Bromomethane	1.87	94	16494	1.864	ug/l		100
6) Chloroethane	1.95	64	16463	1.951	ug/l		99
7) Trichlorofluoromethane	2.16	101	28247	2.007	ug/l		96
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	17642	2.012	ug/l		99
9) 1,1-Dichloroethene	2.61	96	18658	1.999	ug/l		97
10) Iodomethane	2.75	142	17062	1.889	ug/l		99
11) Allyl Chloride	2.95	41	25495	1.976	ug/l		99
12) Acrylonitrile	3.37	53	9270	4.050	ug/l	#	88
13) Acetone	2.68	43	16455	9.495	ug/l		97
14) Carbon Disulfide	2.82	76	62295	1.928	ug/l		99
15) Methylene Chloride	3.08	84	27626	2.248	ug/l		98
16) trans-1,2-Dichloroethene	3.39	96	20328	1.975	ug/l		99
17) 1,1-Dichloroethane	3.92	63	33141	1.976	ug/l		100
18) 2-Butanone	4.78	43	25151	10.235	ug/l		97
19) Cyclohexane	5.42	56	30073m	1.961	ug/l		
20) Methylcyclohexane	6.80	83	34276	2.002	ug/l		99
21) 2,2-Dichloropropane	4.71	77	28443	1.986	ug/l		99
22) cis-1,2-Dichloroethene	4.71	96	21742	2.036	ug/l		98
23) Diethyl Ether	2.41	59	14257	1.978	ug/l		95
24) tert-Butyl Alcohol	3.29	59	11926	18.512	ug/l		96
25) Methyl tert-Butyl Ether	3.42	73	49666	2.031	ug/l		97
26) Bromochloromethane	5.02	128	9111	1.970	ug/l		98
27) Chloroform	5.13	83	33621	2.026	ug/l		99
28) 1,1,1-Trichloroethane	5.36	97	28252	2.031	ug/l		98
29) 1,1-Dichloropropene	5.56	75	27025	1.990	ug/l		99
30) Carbon Tetrachloride	5.56	117	23636	1.984	ug/l		100
31) Isopropyl Ether	4.06	45	50703	1.991	ug/l		98
32) Ethyl-t-butyl ether	4.56	59	53584	2.011	ug/l		99
33) Tert-Amyl methyl ether	5.99	73	49064	2.011	ug/l		98
34) Propionitrile	4.85	54	7153	10.099	ug/l	#	93
35) Benzene	5.81	78	78966	2.008	ug/l		100
36) 1,2-Dichloroethane	5.84	62	21127	1.996	ug/l		99
37) Trichloroethene	6.58	130	21705	1.999	ug/l		93
38) 1,2-Dichloropropane	6.83	63	20027	2.026	ug/l		98
39) Methacrylonitrile	5.03	41	6149	2.066	ug/l		97
40) Methyl acrylate	4.91	55	10083	2.137	ug/l		99
41) Tetrahydrofuran	5.13	42	6462	3.984	ug/l		94
42) 1-Chlorobutane	5.50	56	35140	1.997	ug/l		98

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Quant Time: Jan 24 03:09:17 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U012220DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jan 23 08:59:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.95	93	10494	2.034	ug/l		96
44) Bromodichloromethane	7.14	83	24329	1.993	ug/l		98
45) 4-Methyl-2-Pentanone	7.84	43	58759	10.107	ug/l		99
46) t-1,4-Dichloro-2-butene	10.86	75	8111m	3.168	ug/l		
47) Methyl methacrylate	7.01	69	20044	3.964	ug/l		99
48) Ethyl methacrylate	8.37	69	19503	1.997	ug/l		97
49) Toluene	8.00	92	50166	1.999	ug/l		97
50) t-1,3-Dichloropropene	8.24	75	23683	1.947	ug/l		99
51) cis-1,3-Dichloropropene	7.64	75	28991	1.967	ug/l		97
52) 1,1,2-Trichloroethane	8.43	97	15128	2.066	ug/l		98
53) 1,3-Dichloropropane	8.61	76	25466	2.029	ug/l		99
54) 2-Hexanone	8.73	43	41294	10.128	ug/l		99
55) Dibromochloromethane	8.84	129	16296	1.933	ug/l		99
56) 1,2-Dibromoethane	8.96	107	13929	1.976	ug/l		100
58) Tetrachloroethene	8.58	164	26154	2.410	ug/l		99
59) Chlorobenzene	9.47	112	55382	1.981	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.56	131	17513	1.961	ug/l		98
61) Pentachloroethane	11.45	117	7965	1.383	ug/l		84
62) Hexachloroethane	12.50	117	13958	1.901	ug/l		97
63) Ethyl Benzene	9.60	91	91884	1.961	ug/l		99
64) m/p-Xylenes	9.72	106	72830	3.927	ug/l		100
65) o-Xylene	10.12	106	35877	1.998	ug/l		100
66) Styrene	10.14	104	58959	1.960	ug/l		99
67) Bromoform	10.32	173	9325	1.932	ug/l		100
69) Isopropylbenzene	10.51	105	95215	2.018	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.81	83	18732	2.028	ug/l		97
71) 1,2,3-Trichloropropane	10.85	75	13803m	2.094	ug/l		
72) Bromobenzene	10.81	156	23052	2.028	ug/l		99
73) n-propylbenzene	10.93	120	26648	2.013	ug/l		98
74) 2-Chlorotoluene	11.01	126	22447	1.974	ug/l		94
75) 1,3,5-Trimethylbenzene	11.11	105	80976	2.001	ug/l		99
76) 4-Chlorotoluene	11.12	126	23406	1.992	ug/l		94
77) tert-Butylbenzene	11.44	119	73925	1.928	ug/l		96
78) 1,2,4-Trimethylbenzene	11.49	105	83703	2.006	ug/l		98
79) sec-Butylbenzene	11.66	105	108202	2.034	ug/l		100
80) Nitrobenzene	13.23	77	905	6.828	ug/l	#	89
81) p-Isopropyltoluene	11.82	119	88941	2.000	ug/l		99
82) 1,3-Dichlorobenzene	11.77	146	45240	1.989	ug/l		99
83) 1,4-Dichlorobenzene	11.86	146	44452	1.956	ug/l		98
84) n-Butylbenzene	12.23	91	80942	1.968	ug/l		99
85) 1,2-Dichlorobenzene	12.23	146	43968	2.020	ug/l		99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	3118	1.994	ug/l		91
87) 1,2,4-Trichlorobenzene	13.86	180	26143	1.878	ug/l		98
88) Hexachlorobutadiene	14.04	225	15250	1.999	ug/l		96
89) Naphthalene	14.11	128	42951	1.791	ug/l		99
90) 1,2,3-Trichlorobenzene	14.35	180	24828	1.896	ug/l		99

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

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