Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU103019\
Data File : VU035549.D
Acq On : 30 Oct 2019 08:17
Operator : JC/SP
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Manual Integrations APPROVED
MMDadoda
10/31/2019 4:09:11 PM

Quant Time: Oct 31 01:17:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102919DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Oct 30 07:13:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	6.16	96	78495	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.66	95	34126	1.21	ug/l	0.00
Spiked Amount 1.000			Recovery = 121.00%			
68) 1,2-Dichlorobenzene-d4	12.22	152	31171	1.04	ug/l	0.00
Spiked Amount 1.000			Recovery = 104.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.40	85	287081	9.338	ug/l	98
3) Chloromethane	1.54	50	309710	8.221	ug/l	98
4) Vinyl Chloride	1.62	62	315180	9.441	ug/l	100
5) Bromomethane	1.88	94	167690	9.881	ug/l	97
6) Chloroethane	1.95	64	179061	9.331	ug/l	99
7) Trichlorofluoromethane	2.16	101	394149	9.556	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	212681	9.514	ug/l	99
9) 1,1-Dichloroethene	2.61	96	200998	9.317	ug/l	99
10) Iodomethane	2.75	142	160988	10.653	ug/l	98
11) Allyl Chloride	2.96	41	343614	9.481	ug/l	99
12) Acrylonitrile	3.37	53	103649m	19.141	ug/l	
13) Acetone	2.67	43	252824	48.104	ug/l	99
14) Carbon Disulfide	2.82	76	706108	9.258	ug/l	100
15) Methylene Chloride	3.08	84	240925	8.686	ug/l	98
16) trans-1,2-Dichloroethene	3.39	96	221079	9.319	ug/l	99
17) 1,1-Dichloroethane	3.92	63	424584	9.554	ug/l	100
18) 2-Butanone	4.78	43	339680	49.865	ug/l	99
19) Cyclohexane	5.43	56	354996m	10.080	ug/l	
20) Methylcyclohexane	6.80	83	369941	10.240	ug/l	100
21) 2,2-Dichloropropane	4.71	77	363272	9.472	ug/l	100
22) cis-1,2-Dichloroethene	4.72	96	248575	9.791	ug/l	97
23) Diethyl Ether	2.41	59	172290	9.685	ug/l	98
24) tert-Butyl Alcohol	3.25	59	181154	91.373	ug/l	99
25) Methyl tert-Butyl Ether	3.42	73	557742	9.643	ug/l	100
26) Bromochloromethane	5.02	128	108491	9.570	ug/l	99
27) Chloroform	5.14	83	424142	8.933	ug/l	100
28) 1,1,1-Trichloroethane	5.36	97	354777	9.431	ug/l	99
29) 1,1-Dichloropropene	5.57	75	320913	10.173	ug/l	98
30) Carbon Tetrachloride	5.57	117	321784	9.617	ug/l	99
31) Isopropyl Ether	4.06	45	621264	10.010	ug/l	99
32) Ethyl-t-butyl ether	4.57	59	589257	10.255	ug/l	99
33) Tert-Amyl methyl ether	6.00	73	517627	10.475	ug/l	100
34) Propionitrile	4.84	54	95817	48.564	ug/l	98
35) Benzene	5.82	78	937654	9.741	ug/l	99
36) 1,2-Dichloroethane	5.84	62	261751	9.491	ug/l	99
37) Trichloroethene	6.58	130	256324	9.586	ug/l	100
38) 1,2-Dichloropropane	6.83	63	253797	9.615	ug/l	99
39) Methacrylonitrile	5.04	41	73918	9.978	ug/l	97
40) Methyl acrylate	4.91	55	124834	11.067	ug/l	99
41) Tetrahydrofuran	5.13	42	74836	19.649	ug/l #	41
42) 1-Chlorobutane	5.50	56	438900	10.113	ug/l	100

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102919DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Oct 30 07:13:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Dibromomethane	6.96	93	125367	9.508	ug/l		97
44) Bromodichloromethane	7.15	83	310626	9.454	ug/l		100
45) 4-Methyl-2-Pentanone	7.84	43	739103	52.564	ug/l		99
46) t-1,4-Dichloro-2-butene	10.87	75	120081m	23.498	ug/l		
47) Methyl methacrylate	7.01	69	227855	20.865	ug/l		98
48) Ethyl methacrylate	8.38	69	209693	10.989	ug/l		98
49) Toluene	8.00	92	583219	10.535	ug/l		98
50) t-1,3-Dichloropropene	8.25	75	298116	10.246	ug/l		100
51) cis-1,3-Dichloropropene	7.65	75	347851	10.077	ug/l		99
52) 1,1,2-Trichloroethane	8.44	97	177994	9.632	ug/l		98
53) 1,3-Dichloropropane	8.61	76	314678	10.048	ug/l		99
54) 2-Hexanone	8.73	43	541324	54.175	ug/l		98
55) Dibromochloromethane	8.84	129	223759	9.917	ug/l		100
56) 1,2-Dibromoethane	8.96	107	173210	10.246	ug/l		98
58) Tetrachloroethene	8.58	164	242322	9.886	ug/l		97
59) Chlorobenzene	9.48	112	659160	10.326	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.56	131	238969	9.737	ug/l		100
61) Pentachloroethane	11.46	117	193105	9.656	ug/l		99
62) Hexachloroethane	12.50	117	177971	9.741	ug/l		100
63) Ethyl Benzene	9.60	91	1093844	11.034	ug/l		99
64) m/p-Xylenes	9.72	106	880065	22.483	ug/l	#	1
65) o-Xylene	10.13	106	416016	11.000	ug/l		97
66) Styrene	10.14	104	715990	11.436	ug/l		100
67) Bromoform	10.32	173	142699	10.194	ug/l		98
69) Isopropylbenzene	10.51	105	1077969	10.931	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.81	83	238476	9.679	ug/l	#	65
71) 1,2,3-Trichloropropane	10.85	75	172549m	9.325	ug/l		
72) Bromobenzene	10.81	156	280603	10.213	ug/l		97
73) n-propylbenzene	10.93	120	313842	11.396	ug/l		99
74) 2-Chlorotoluene	11.01	126	276004	10.689	ug/l		100
75) 1,3,5-Trimethylbenzene	11.11	105	910751	11.208	ug/l		99
76) 4-Chlorotoluene	11.12	126	286133	10.910	ug/l		99
77) tert-Butylbenzene	11.45	119	907352	10.888	ug/l		100
78) 1,2,4-Trimethylbenzene	11.49	105	923418	11.229	ug/l		100
79) sec-Butylbenzene	11.67	105	1172668	11.000	ug/l		99
80) Nitrobenzene	13.24	77	20353	24.650	ug/l		99
81) p-Isopropyltoluene	11.82	119	966298	11.329	ug/l	#	67
82) 1,3-Dichlorobenzene	11.77	146	539356	10.307	ug/l		99
83) 1,4-Dichlorobenzene	11.86	146	531928	10.599	ug/l		100
84) n-Butylbenzene	12.23	91	792507	11.321	ug/l		99
85) 1,2-Dichlorobenzene	12.24	146	503056	10.208	ug/l		100
86) 1,2-Dibromo-3-Chloropropan	13.02	75	32132	10.241	ug/l		99
87) 1,2,4-Trichlorobenzene	13.86	180	205108	9.081	ug/l		99
88) Hexachlorobutadiene	14.04	225	163797	8.924	ug/l		99
89) Naphthalene	14.11	128	297606	8.918	ug/l		100
90) 1,2,3-Trichlorobenzene	14.35	180	206151	9.288	ug/l		99

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

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