Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
Data File : VU028339.D
Acq On : 26 Nov 2018 15:21
Operator : MD/SY
Sample : J5164-08 1.0ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2018

Manual Integrations APPROVED
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11/30/2018 2:33:43 PM

Quant Time: Nov 27 01:48:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Nov 27 01:03:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	48301	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	17090	0.96	ug/l		0.00
Spiked Amount 1.000			Recovery = 96.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	15496	0.94	ug/l		0.00
Spiked Amount 1.000			Recovery = 94.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	17877	1.029	ug/l		93
3) Chloromethane	1.32	50	27494	0.930	ug/l		97
4) Vinyl Chloride	1.40	62	21050	1.040	ug/l		97
5) Bromomethane	1.63	94	6974	0.875	ug/l		92
6) Chloroethane	1.70	64	11849	1.003	ug/l		98
7) Trichlorofluoromethane	1.89	101	22557	1.020	ug/l		99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	13691	1.077	ug/l		98
9) 1,1-Dichloroethene	2.29	96	11698	0.995	ug/l		97
10) Iodomethane	2.41	142	8370	1.052	ug/l		98
11) Allyl Chloride	2.59	41	30780	1.037	ug/l		97
12) Acrylonitrile	2.94	53	7873	2.102	ug/l		92
13) Acetone	2.33	43	17940	5.168	ug/l		99
14) Carbon Disulfide	2.48	76	45887	1.027	ug/l		100
15) Methylene Chloride	2.70	84	14949	1.042	ug/l		96
16) trans-1,2-Dichloroethene	2.98	96	12814	0.974	ug/l		96
17) 1,1-Dichloroethane	3.44	63	30139	1.027	ug/l		97
18) 2-Butanone	4.29	43	24918	4.804	ug/l		98
19) Cyclohexane	4.99	56	25294	0.993	ug/l		98
20) Methylcyclohexane	6.41	83	24439	0.980	ug/l		97
21) 2,2-Dichloropropane	4.23	77	23102	0.981	ug/l		100
22) cis-1,2-Dichloroethene	4.22	96	15385	0.999	ug/l		93
23) Diethyl Ether	2.11	59	12370	1.049	ug/l		94
24) tert-Butyl Alcohol	2.86	59	12088	10.216	ug/l		98
25) Methyl tert-Butyl Ether	3.01	73	36366	1.041	ug/l		97
26) Bromochloromethane	4.55	128	5773	0.983	ug/l		90
27) Chloroform	4.67	83	30342	1.072	ug/l		99
28) 1,1,1-Trichloroethane	4.91	97	21787	0.986	ug/l		97
29) 1,1-Dichloropropene	5.13	75	21083	0.995	ug/l		99
30) Carbon Tetrachloride	5.13	117	17801	0.998	ug/l		89
31) Isopropyl Ether	3.58	45	53255	1.014	ug/l		96
32) Ethyl-t-butyl ether	4.08	59	43150	0.997	ug/l		100
33) Tert-Amyl methyl ether	5.58	73	35299	0.983	ug/l	#	97
34) Propionitrile	4.35	54	6559	5.034	ug/l	#	62
35) Benzene	5.39	78	62677	1.004	ug/l		98
36) 1,2-Dichloroethane	5.41	62	19042	1.020	ug/l	#	91
37) Trichloroethene	6.18	130	13749	1.012	ug/l		98
38) 1,2-Dichloropropane	6.43	63	18892	1.062	ug/l		96
39) Methacrylonitrile	4.56	41	7141	1.023	ug/l	#	92
40) Methyl acrylate	4.43	55	9543	0.994	ug/l	#	95
41) Tetrahydrofuran	4.66	42	6469	1.844	ug/l		96
42) 1-Chlorobutane	5.06	56	34151	1.014	ug/l		99

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Nov 27 01:03:50 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)	
43) Dibromomethane	6.56	93	7654	1.010	ug/l		95	
44) Bromodichloromethane	6.76	83	20552	1.027	ug/l		99	
45) 4-Methyl-2-Pentanone	7.47	43	58748	4.828	ug/l		99	
46) t-1,4-Dichloro-2-butene	10.52	75	6222m	1.398	ug/l			
47) Methyl methacrylate	6.63	69	14854	1.921	ug/l		98	
48) Ethyl methacrylate	8.02	69	14344	0.927	ug/l		95	MMDadoda
49) Toluene	7.64	92	33634	0.971	ug/l		96	
50) t-1,3-Dichloropropene	7.88	75	17540	0.913	ug/l		95	
51) cis-1,3-Dichloropropene	7.27	75	23342	0.984	ug/l		98	
52) 1,1,2-Trichloroethane	8.07	97	10186	0.958	ug/l		97	
53) 1,3-Dichloropropane	8.24	76	19752	0.994	ug/l		96	11/30/2018 2:33:43 PM
54) 2-Hexanone	8.37	43	40805	4.662	ug/l		99	
55) Dibromochloromethane	8.48	129	10854	0.959	ug/l		93	
56) 1,2-Dibromoethane	8.58	107	9352	0.965	ug/l		100	
58) Tetrachloroethene	8.22	164	13396	1.076	ug/l		95	
59) Chlorobenzene	9.12	112	34594	0.959	ug/l		96	
60) 1,1,1,2-Tetrachloroethane	9.21	131	11377	0.931	ug/l		96	
61) Pentachloroethane	11.10	117	9258	0.974	ug/l		99	
62) Hexachloroethane	12.14	117	7413	0.832	ug/l		99	
63) Ethyl Benzene	9.25	91	65105	0.978	ug/l		99	
64) m/p-Xylenes	9.38	106	45481	1.889	ug/l		100	
65) o-Xylene	9.78	106	22928	0.987	ug/l		100	
66) Styrene	9.79	104	37962	0.952	ug/l		99	
67) Bromoform	9.96	173	5476	0.864	ug/l		96	
69) Isopropylbenzene	10.16	105	58680	0.943	ug/l		99	
70) 1,1,2,2-Tetrachloroethane	10.46	83	14107	0.989	ug/l		99	
71) 1,2,3-Trichloropropane	10.49	75	11286m	1.135	ug/l			
72) Bromobenzene	10.45	156	13591	0.984	ug/l		99	
73) n-propylbenzene	10.58	120	16557	1.026	ug/l		89	
74) 2-Chlorotoluene	10.66	126	13895	0.983	ug/l		99	
75) 1,3,5-Trimethylbenzene	10.77	105	49449	0.944	ug/l		98	
76) 4-Chlorotoluene	10.77	126	14083	0.982	ug/l		99	
77) tert-Butylbenzene	11.10	119	45969	0.932	ug/l		98	
78) 1,2,4-Trimethylbenzene	11.15	105	50419	0.940	ug/l		96	
79) sec-Butylbenzene	11.32	105	67121	0.977	ug/l		97	
80) Nitrobenzene	12.87	77	2430	3.781	ug/l	#	93	
81) p-Isopropyltoluene	11.47	119	51510	0.943	ug/l		98	
82) 1,3-Dichlorobenzene	11.41	146	27708	1.002	ug/l		95	
83) 1,4-Dichlorobenzene	11.51	146	26908	0.977	ug/l		98	
84) n-Butylbenzene	11.89	91	55387	0.966	ug/l		96	
85) 1,2-Dichlorobenzene	11.88	146	26630	1.011	ug/l		97	
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2144	0.934	ug/l		91	
87) 1,2,4-Trichlorobenzene	13.50	180	17102	0.924	ug/l		99	
88) Hexachlorobutadiene	13.69	225	9692	0.968	ug/l		98	
89) Naphthalene	13.74	128	31647	0.865	ug/l		99	
90) 1,2,3-Trichlorobenzene	13.99	180	16834	0.964	ug/l		98	

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

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