Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022619\
Data File : VU029676.D
Acq On : 26 Feb 2019 12:35
Operator : JC/SP
Sample : K1560-08 LOQ 1.00ppb
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2019

Manual Integrations APPROVED
MMDadoda
3/5/2019 9:32:04 AM

Quant Time: Feb 27 00:50:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U020519DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 08 10:52:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene	5.74	96	58018	1.00	ug/l		0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.31	95	21512	0.95	ug/l		0.00
Spiked Amount 1.000			Recovery = 95.00%				
68) 1,2-Dichlorobenzene-d4	11.86	152	24879	1.07	ug/l		0.00
Spiked Amount 1.000			Recovery = 107.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.21	85	19813	0.915	ug/l		100
3) Chloromethane	1.33	50	16442	0.831	ug/l		100
4) Vinyl Chloride	1.40	62	20637	0.890	ug/l		96
5) Bromomethane	1.63	94	12084	0.937	ug/l		92
6) Chloroethane	1.70	64	12615	0.931	ug/l		93
7) Trichlorofluoromethane	1.88	101	28858	0.891	ug/l		99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	17759	1.038	ug/l		89
9) 1,1-Dichloroethene	2.28	96	16481	0.985	ug/l		67
10) Iodomethane	2.41	142	6610	0.556	ug/l	#	71
11) Allyl Chloride	2.59	41	22659	0.807	ug/l		83
12) Acrylonitrile	2.93	53	7496	1.998	ug/l		96
13) Acetone	2.32	43	15537	4.298	ug/l	#	67
14) Carbon Disulfide	2.47	76	52889	0.895	ug/l		98
15) Methylene Chloride	2.70	84	21370	1.053	ug/l	#	71
16) trans-1,2-Dichloroethene	2.98	96	18539	0.991	ug/l	#	72
17) 1,1-Dichloroethane	3.44	63	28854	0.973	ug/l		95
18) 2-Butanone	4.28	43	20436	5.058	ug/l		99
19) Cyclohexane	4.99	56	20956	0.762	ug/l		86
20) Methylcyclohexane	6.41	83	28253	0.978	ug/l	#	84
21) 2,2-Dichloropropane	4.22	77	23923	0.871	ug/l	#	86
22) cis-1,2-Dichloroethene	4.22	96	18020	1.022	ug/l		77
23) Diethyl Ether	2.10	59	12013	0.894	ug/l		88
24) tert-Butyl Alcohol	2.83	59	13042	9.338	ug/l		99
25) Methyl tert-Butyl Ether	3.00	73	42347	0.899	ug/l	#	78
26) Bromochloromethane	4.54	128	8038	1.032	ug/l		71
27) Chloroform	4.67	83	28988	1.005	ug/l		96
28) 1,1,1-Trichloroethane	4.91	97	24807	0.928	ug/l		94
29) 1,1-Dichloropropene	5.13	75	21707	0.935	ug/l		91
30) Carbon Tetrachloride	5.13	117	21159	0.874	ug/l		97
31) Isopropyl Ether	3.58	45	41215	0.921	ug/l		89
32) Ethyl-t-butyl ether	4.07	59	40616	0.906	ug/l	#	87
33) Tert-Amyl methyl ether	5.58	73	38150	0.941	ug/l		98
35) Benzene	5.39	78	65164	1.015	ug/l		100
36) 1,2-Dichloroethane	5.41	62	17828	0.918	ug/l	#	84
37) Trichloroethene	6.18	130	19600	1.064	ug/l		85
38) 1,2-Dichloropropane	6.43	63	16058	0.962	ug/l	#	87
41) Tetrahydrofuran	4.65	42	5356	1.955	ug/l		92
42) 1-Chlorobutane	5.06	56	28800	0.926	ug/l		86
43) Dibromomethane	6.56	93	8890	0.999	ug/l		92
44) Bromodichloromethane	6.76	83	20120	0.887	ug/l		98
45) 4-Methyl-2-Pentanone	7.46	43	43582	4.179	ug/l	#	90

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Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
46) t-1,4-Dichloro-2-butene	10.51	75	5478m	1.078 ug/l		
47) Methyl methacrylate	6.63	69	13621	1.740 ug/l	#	74
48) Ethyl methacrylate	8.02	69	13467	0.802 ug/l		80
49) Toluene	7.64	92	40175	0.978 ug/l		98
50) t-1,3-Dichloropropene	7.88	75	17484	0.787 ug/l		94
51) cis-1,3-Dichloropropene	7.27	75	22234	0.842 ug/l	#	85
52) 1,1,2-Trichloroethane	8.07	97	12660	1.075 ug/l		94
53) 1,3-Dichloropropane	8.24	76	20840	1.007 ug/l		98
54) 2-Hexanone	8.37	43	30092	4.116 ug/l		88
55) Dibromochloromethane	8.47	129	13595	0.812 ug/l		97
56) 1,2-Dibromoethane	8.58	107	11922	0.987 ug/l		96
58) Tetrachloroethene	8.22	164	19738	1.152 ug/l		92
59) Chlorobenzene	9.12	112	46587	1.007 ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.21	131	16455	0.963 ug/l		97
61) Pentachloroethane	11.10	117	11239	0.848 ug/l		93
62) Hexachloroethane	12.14	117	10204	0.706 ug/l		93
63) Ethyl Benzene	9.25	91	74884	0.932 ug/l		92
64) m/p-Xylenes	9.37	106	60486	1.937 ug/l		83
65) o-Xylene	9.78	106	29168	0.952 ug/l		86
66) Styrene	9.79	104	45985	0.900 ug/l	#	91
67) Bromoform	9.96	173	8371	0.804 ug/l		95
69) Isopropylbenzene	10.16	105	75484	0.922 ug/l		94
70) 1,1,2,2-Tetrachloroethane	10.46	83	14713	0.975 ug/l		96
71) 1,2,3-Trichloropropane	10.49	75	11509m	1.110 ug/l		
72) Bromobenzene	10.45	156	20386	1.027 ug/l		81
73) n-propylbenzene	10.58	120	20290	0.890 ug/l		91
74) 2-Chlorotoluene	10.66	126	19074	0.982 ug/l		80
75) 1,3,5-Trimethylbenzene	10.77	105	62509	0.885 ug/l		96
76) 4-Chlorotoluene	10.77	126	19641	0.974 ug/l		71
77) tert-Butylbenzene	11.10	119	63894	0.916 ug/l		92
78) 1,2,4-Trimethylbenzene	11.14	105	64178	0.898 ug/l		94
79) sec-Butylbenzene	11.32	105	86581	0.948 ug/l		96
81) p-Isopropyltoluene	11.47	119	70432	0.910 ug/l		94
82) 1,3-Dichlorobenzene	11.41	146	39287	1.009 ug/l		96
83) 1,4-Dichlorobenzene	11.51	146	37124	0.957 ug/l		97
84) n-Butylbenzene	11.89	91	59907	0.843 ug/l		95
85) 1,2-Dichlorobenzene	11.88	146	37931	1.030 ug/l		97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1972	0.700 ug/l	#	63
87) 1,2,4-Trichlorobenzene	13.50	180	23569	0.911 ug/l		98
88) Hexachlorobutadiene	13.69	225	15483	1.034 ug/l		99
89) Naphthalene	13.75	128	37016	0.844 ug/l		96
90) 1,2,3-Trichlorobenzene	13.99	180	22639	0.958 ug/l		98

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

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