Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012423\
Data File : VU052783.D
Acq On : 24 Jan 2023 11:32
Operator : JC/MD
Sample : VU0124WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 25 01:34:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U012323DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jan 24 05:16:59 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0124WBS01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 01/27/2023
Supervised By :Mahesh Dadoda 01/30/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.108	96	35230	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	11775	1.005	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
68) 1,2-Dichlorobenzene-d4	12.189	152	12551	1.041	ug/l	0.00
Spiked Amount 1.000			Recovery = 104.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	25128	2.107	ug/l	97
3) Chloromethane	1.520	50	21468	1.897	ug/l	99
4) Vinyl Chloride	1.604	62	21128	1.934	ug/l	97
5) Bromomethane	1.858	94	12416	2.187	ug/l	99
6) Chloroethane	1.935	64	13555	2.063	ug/l	95
7) Trichlorofluoromethane	2.138	101	33120	2.081	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	20069	2.306	ug/l	99
9) 1,1-Dichloroethene	2.578	96	17678	2.150	ug/l	96
10) Iodomethane	2.720	142	18462	2.029	ug/l	99
11) Allyl Chloride	2.922	41	21768	2.216	ug/l	97
12) Acrylonitrile	3.330	53	7697	4.416	ug/l	98
13) Acetone	2.658	43	34538	13.972	ug/l	93
14) Carbon Disulfide	2.793	76	58891	2.138	ug/l	98
15) Methylene Chloride	3.044	84	27498	2.769	ug/l	98
16) trans-1,2-Dichloroethene	3.350	96	19747	2.159	ug/l	95
17) 1,1-Dichloroethane	3.867	63	35744	2.314	ug/l	98
18) 2-Butanone	4.723	43	32714	11.391	ug/l	99
19) Cyclohexane	5.385	56	27411m	2.018	ug/l	
20) Methylcyclohexane	6.761	83	27983	1.847	ug/l	96
21) 2,2-Dichloropropane	4.662	77	31109	2.169	ug/l	100
22) cis-1,2-Dichloroethene	4.665	96	20320	2.126	ug/l	100
23) Diethyl Ether	2.375	59	12369	2.128	ug/l	99
24) tert-Butyl Alcohol	3.350	59	13803m	19.725	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	39321	2.085	ug/l	99
26) Bromochloromethane	4.967	128	9212	2.064	ug/l	92
27) Chloroform	5.083	83	38059	2.299	ug/l	96
28) 1,1,1-Trichloroethane	5.314	97	34682	2.269	ug/l	99
29) 1,1-Dichloropropene	5.523	75	25496	1.978	ug/l	98
30) Carbon Tetrachloride	5.523	117	29030	2.093	ug/l	97
31) Isopropyl Ether	3.990	45	44195	1.991	ug/l	91
32) Ethyl-t-butyl ether	4.498	59	41498	2.002	ug/l	100
33) Tert-Amyl methyl ether	5.935	73	36201	1.975	ug/l	100
34) Propionitrile	4.806	54	7078	10.764	ug/l #	67
35) Benzene	5.771	78	77993	2.085	ug/l	98
36) 1,2-Dichloroethane	5.790	62	23195	2.065	ug/l	99
37) Trichloroethene	6.539	130	20830	2.043	ug/l	93
38) 1,2-Dichloropropane	6.787	63	19599	2.066	ug/l	100
39) Methacrylonitrile	4.977	41	5163	1.966	ug/l #	89
40) Methyl acrylate	4.848	55	9637m	2.070	ug/l	
41) Tetrahydrofuran	5.070	42	4686	3.587	ug/l #	65
42) 1-Chlorobutane	5.456	56	34117	2.070	ug/l	98
43) Dibromomethane	6.915	93	9683	2.016	ug/l	97
44) Bromodichloromethane	7.102	83	26523	2.036	ug/l	94

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.790	43	45639	9.043	ug/l		98
46)	t-1,4-Dichloro-2-butene	10.825	75	9877m	3.733	ug/l		
47)	Methyl methacrylate	6.960	69	15427	3.613	ug/l		94
48)	Ethyl methacrylate	8.330	69	13159	1.700	ug/l		97
49)	Toluene	7.967	92	44881	1.976	ug/l		99
50)	t-1,3-Dichloropropene	8.208	75	21422	1.885	ug/l		97
51)	cis-1,3-Dichloropropene	7.604	75	26289	1.966	ug/l		98
52)	1,1,2-Trichloroethane	8.398	97	13997	2.049	ug/l		98
53)	1,3-Dichloropropane	8.575	76	23462	1.987	ug/l		97
54)	2-Hexanone	8.684	43	44990	10.190	ug/l		96
55)	Dibromochloromethane	8.806	129	17783	1.991	ug/l		99
56)	1,2-Dibromoethane	8.919	107	12995	1.999	ug/l		98
58)	Tetrachloroethene	8.549	164	19904	2.163	ug/l		96
59)	Chlorobenzene	9.446	112	48873	1.978	ug/l		99
60)	1,1,1,2-Tetrachloroethane	9.530	131	19975	2.088	ug/l		97
61)	Pentachloroethane	11.423	117	15526	1.981	ug/l		99
62)	Hexachloroethane	12.472	117	15378	1.942	ug/l		98
63)	Ethyl Benzene	9.565	91	74935	1.872	ug/l		100
64)	m/p-Xylenes	9.690	106	62836	3.937	ug/l		100
65)	o-Xylene	10.095	106	30253	1.964	ug/l		97
66)	Styrene	10.111	104	47864	1.965	ug/l		99
67)	Bromoform	10.288	173	10580	2.007	ug/l		97
69)	Isopropylbenzene	10.481	105	76678	1.957	ug/l		99
70)	1,1,2,2-Tetrachloroethane	10.777	83	17872	2.099	ug/l		98
71)	1,2,3-Trichloropropane	10.819	75	14968m	2.031	ug/l		
72)	Bromobenzene	10.777	156	20561	2.066	ug/l		98
73)	n-propylbenzene	10.902	120	21051	1.962	ug/l		99
74)	2-Chlorotoluene	10.983	126	20572	2.078	ug/l		95
75)	1,3,5-Trimethylbenzene	11.086	105	65949	1.990	ug/l		99
76)	4-Chlorotoluene	11.092	126	21647	2.131	ug/l		90
77)	tert-Butylbenzene	11.417	119	68820	2.019	ug/l		99
78)	1,2,4-Trimethylbenzene	11.465	105	66538	1.997	ug/l		98
79)	sec-Butylbenzene	11.639	105	87713	2.017	ug/l		99
80)	Nitrobenzene	13.208	77	3712	7.044	ug/l	#	91
81)	p-Isopropyltoluene	11.790	119	73475	2.009	ug/l		99
82)	1,3-Dichlorobenzene	11.742	146	44301	2.180	ug/l		96
83)	1,4-Dichlorobenzene	11.832	146	42226	2.070	ug/l		98
84)	n-Butylbenzene	12.205	91	61108	1.986	ug/l		97
85)	1,2-Dichlorobenzene	12.208	146	40335	2.103	ug/l		98
86)	1,2-Dibromo-3-Chloropr...	12.992	75	2728	1.730	ug/l		99
87)	1,2,4-Trichlorobenzene	13.835	180	20631	1.794	ug/l		98
88)	Hexachlorobutadiene	14.018	225	16458	2.042	ug/l		100
89)	Naphthalene	14.082	128	30511	1.368	ug/l		98
90)	1,2,3-Trichlorobenzene	14.327	180	18951	1.736	ug/l		99

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

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