Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022723\
Data File : VU053155.D
Acq On : 27 Feb 2023 16:16
Operator : JC/MD
Sample : VU0227WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 28 03:52:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U022723DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 28 03:35:42 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0227WBSD01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	26885	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	11048	0.974	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
68) 1,2-Dichlorobenzene-d4	12.189	152	9589	1.066	ug/l	0.00
Spiked Amount 1.000			Recovery = 107.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.386	85	12955	1.898	ug/l	97
3) Chloromethane	1.521	50	12125	1.724	ug/l	96
4) Vinyl Chloride	1.604	62	13617	1.819	ug/l	96
5) Bromomethane	1.858	94	8219	1.929	ug/l	94
6) Chloroethane	1.936	64	8993	1.977	ug/l	95
7) Trichlorofluoromethane	2.141	101	19581	1.817	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.582	101	12770	1.895	ug/l	96
9) 1,1-Dichloroethene	2.582	96	10961	1.873	ug/l	99
10) Iodomethane	2.723	142	10368	1.722	ug/l	99
11) Allyl Chloride	2.923	41	15260	1.670	ug/l	97
12) Acrylonitrile	3.318	53	5962	3.979	ug/l	95
13) Acetone	2.640	43	17691	8.258	ug/l	97
14) Carbon Disulfide	2.794	76	24832	1.849	ug/l	97
15) Methylene Chloride	3.045	84	17722	2.119	ug/l	97
16) trans-1,2-Dichloroethene	3.350	96	11652	1.811	ug/l	95
17) 1,1-Dichloroethane	3.868	63	25823	1.835	ug/l	99
18) 2-Butanone	4.717	43	22428	8.720	ug/l	95
19) Cyclohexane	5.382	56	20209m	1.798	ug/l	
20) Methylcyclohexane	6.755	83	20484	1.899	ug/l	98
21) 2,2-Dichloropropane	4.662	77	23457	1.902	ug/l	97
22) cis-1,2-Dichloroethene	4.662	96	14952	1.883	ug/l	95
23) Diethyl Ether	2.376	59	8513	1.778	ug/l	93
24) tert-Butyl Alcohol	3.228	59	11079m	19.695	ug/l	
25) Methyl tert-Butyl Ether	3.363	73	31906	1.875	ug/l	98
26) Bromochloromethane	4.971	128	5621	1.831	ug/l	92
27) Chloroform	5.083	83	26465	1.825	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	21771	1.787	ug/l	97
29) 1,1-Dichloropropene	5.521	75	16592	1.817	ug/l	99
30) Carbon Tetrachloride	5.521	117	14570	1.737	ug/l	97
31) Isopropyl Ether	3.993	45	40065	1.784	ug/l	99
32) Ethyl-t-butyl ether	4.505	59	38067	1.789	ug/l	100
33) Tert-Amyl methyl ether	5.942	73	29933	1.772	ug/l	99
34) Propionitrile	4.788	54	5841	9.763	ug/l #	90
35) Benzene	5.771	78	50122	1.860	ug/l	99
36) 1,2-Dichloroethane	5.791	62	14386	1.786	ug/l	99
37) Trichloroethene	6.540	130	12099	1.957	ug/l	98
38) 1,2-Dichloropropane	6.787	63	14677	1.884	ug/l	96
39) Methacrylonitrile	4.974	41	4455	1.746	ug/l #	88
40) Methyl acrylate	4.849	55	7224	1.831	ug/l #	93
41) Tetrahydrofuran	5.064	42	5313	4.246	ug/l #	90
42) 1-Chlorobutane	5.453	56	23209	1.826	ug/l	100
43) Dibromomethane	6.916	93	6205	1.797	ug/l	97
44) Bromodichloromethane	7.106	83	17441	1.846	ug/l	99

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Instrument :
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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.794	43	40306	9.560	ug/l		99
46) t-1,4-Dichloro-2-butene	10.826	75	8296m	3.905	ug/l		
47) Methyl methacrylate	6.964	69	13683	3.850	ug/l		96
48) Ethyl methacrylate	8.334	69	14249	1.954	ug/l		100
49) Toluene	7.967	92	31029	1.870	ug/l		93
50) t-1,3-Dichloropropene	8.209	75	17523	1.910	ug/l		98
51) cis-1,3-Dichloropropene	7.604	75	20159	1.813	ug/l		99
52) 1,1,2-Trichloroethane	8.398	97	10491	2.068	ug/l		90
53) 1,3-Dichloropropane	8.575	76	17144	1.885	ug/l		96
54) 2-Hexanone	8.688	43	32007	8.910	ug/l		99
55) Dibromochloromethane	8.807	129	10602	1.832	ug/l		100
56) 1,2-Dibromoethane	8.922	107	8902	1.976	ug/l		100
58) Tetrachloroethene	8.549	164	9475	1.922	ug/l		98
59) Chlorobenzene	9.443	112	35353	1.906	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.530	131	11679	1.906	ug/l		99
61) Pentachloroethane	11.424	117	10310	1.936	ug/l		98
62) Hexachloroethane	12.472	117	10566	1.800	ug/l		95
63) Ethyl Benzene	9.565	91	65837	1.923	ug/l		99
64) m/p-Xylenes	9.691	106	47986	3.864	ug/l		100
65) o-Xylene	10.096	106	24347	1.920	ug/l		97
66) Styrene	10.112	104	38683	1.924	ug/l		99
67) Bromoform	10.286	173	5016	1.782	ug/l		99
69) Isopropylbenzene	10.482	105	65256	1.921	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.778	83	13291	1.944	ug/l		100
71) 1,2,3-Trichloropropane	10.823	75	11566m	1.966	ug/l		
72) Bromobenzene	10.778	156	12594	1.911	ug/l		97
73) n-propylbenzene	10.903	120	17734	1.968	ug/l		98
74) 2-Chlorotoluene	10.983	126	15222	2.040	ug/l		91
75) 1,3,5-Trimethylbenzene	11.083	105	53918	1.908	ug/l		100
76) 4-Chlorotoluene	11.093	126	15418	1.966	ug/l		88
77) tert-Butylbenzene	11.418	119	52146	1.883	ug/l		98
78) 1,2,4-Trimethylbenzene	11.463	105	54914	1.906	ug/l		99
79) sec-Butylbenzene	11.639	105	73330	1.908	ug/l		100
80) Nitrobenzene	13.208	77	2961	8.288	ug/l	#	80
81) p-Isopropyltoluene	11.790	119	57688	1.895	ug/l		98
82) 1,3-Dichlorobenzene	11.742	146	28208	1.949	ug/l		99
83) 1,4-Dichlorobenzene	11.832	146	28488	1.928	ug/l		97
84) n-Butylbenzene	12.205	91	62779	1.990	ug/l		98
85) 1,2-Dichlorobenzene	12.208	146	27430	1.988	ug/l		97
86) 1,2-Dibromo-3-Chloropr...	12.993	75	2160	1.995	ug/l		91
87) 1,2,4-Trichlorobenzene	13.839	180	17063	2.015	ug/l		98
88) Hexachlorobutadiene	14.015	225	8127	1.965	ug/l		99
89) Naphthalene	14.086	128	36867	2.047	ug/l		99
90) 1,2,3-Trichlorobenzene	14.327	180	14624	1.963	ug/l		94

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

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