Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013023\
Data File : VU052866.D
Acq On : 30 Jan 2023 17:14
Operator : JC/MD
Sample : VU0130WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 31 13:08:51 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 :
VU0130WBSD01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/01/2023
Supervised By :Mahesh Dadoda 02/01/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.112	96	32051	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	9495	0.891	ug/l	0.00
Spiked Amount 1.000			Recovery = 89.000%			
68) 1,2-Dichlorobenzene-d4	12.192	152	11964	1.091	ug/l	0.00
Spiked Amount 1.000			Recovery = 109.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	19848	1.830	ug/l	97
3) Chloromethane	1.520	50	13817	1.342	ug/l	99
4) Vinyl Chloride	1.604	62	14906	1.500	ug/l	99
5) Bromomethane	1.858	94	11779	2.281	ug/l	99
6) Chloroethane	1.935	64	12348	2.066	ug/l	94
7) Trichlorofluoromethane	2.141	101	33046	2.282	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	18210	2.300	ug/l	97
9) 1,1-Dichloroethene	2.581	96	15746	2.105	ug/l	94
10) Iodomethane	2.723	142	19926	2.407	ug/l	100
11) Allyl Chloride	2.922	41	17137	1.918	ug/l	92
12) Acrylonitrile	3.324	53	7509	4.735	ug/l	99
13) Acetone	2.655	43	30818	13.703	ug/l	96
14) Carbon Disulfide	2.793	76	44039	1.758	ug/l	99
15) Methylene Chloride	3.044	84	20792	2.302	ug/l	94
16) trans-1,2-Dichloroethene	3.350	96	18903	2.272	ug/l	98
17) 1,1-Dichloroethane	3.864	63	33321	2.372	ug/l	99
18) 2-Butanone	4.729	43	32818	12.560	ug/l	98
19) Cyclohexane	5.378	56	23215	1.879	ug/l	89
20) Methylcyclohexane	6.758	83	19646	1.425	ug/l	97
21) 2,2-Dichloropropane	4.661	77	31726	2.431	ug/l	97
22) cis-1,2-Dichloroethene	4.661	96	20249	2.328	ug/l	99
23) Diethyl Ether	2.375	59	11082	2.096	ug/l	97
24) tert-Butyl Alcohol	3.276	59	16499m	25.917	ug/l	
25) Methyl tert-Butyl Ether	3.369	73	42364	2.469	ug/l	97
26) Bromochloromethane	4.973	128	8781	2.163	ug/l	96
27) Chloroform	5.086	83	38129	2.532	ug/l	100
28) 1,1,1-Trichloroethane	5.311	97	34434	2.476	ug/l	98
29) 1,1-Dichloropropene	5.520	75	23509	2.005	ug/l	98
30) Carbon Tetrachloride	5.517	117	29987	2.376	ug/l	98
31) Isopropyl Ether	3.996	45	45015	2.229	ug/l	94
32) Ethyl-t-butyl ether	4.510	59	44719	2.371	ug/l	95
33) Tert-Amyl methyl ether	5.948	73	31881	1.912	ug/l	97
34) Propionitrile	4.796	54	7225	12.077	ug/l #	1
35) Benzene	5.771	78	69069	2.030	ug/l	98
36) 1,2-Dichloroethane	5.793	62	23554	2.305	ug/l	98
37) Trichloroethene	6.539	130	18480	1.992	ug/l	92
38) 1,2-Dichloropropane	6.790	63	13453	1.558	ug/l	100
39) Methacrylonitrile	4.980	41	5412	2.265	ug/l	96
40) Methyl acrylate	4.854	55	10103	2.385	ug/l #	95
41) Tetrahydrofuran	5.073	42	5194	4.370	ug/l	97
42) 1-Chlorobutane	5.452	56	31474	2.099	ug/l	99
43) Dibromomethane	6.915	93	8021	1.836	ug/l	95
44) Bromodichloromethane	7.105	83	22251	1.877	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	30523	6.648	ug/l	97
46) t-1,4-Dichloro-2-butene	10.828	75	6409m	2.662	ug/l	
47) Methyl methacrylate	6.967	69	10955	2.821	ug/l	95
48) Ethyl methacrylate	8.333	69	10047	1.427	ug/l	88
49) Toluene	7.970	92	32161	1.557	ug/l	96
50) t-1,3-Dichloropropene	8.211	75	15568	1.506	ug/l	98
51) cis-1,3-Dichloropropene	7.607	75	17694	1.455	ug/l	100
52) 1,1,2-Trichloroethane	8.398	97	11432	1.840	ug/l	94
53) 1,3-Dichloropropane	8.574	76	17652	1.644	ug/l	98
54) 2-Hexanone	8.690	43	28996	7.219	ug/l	100
55) Dibromochloromethane	8.806	129	15218	1.873	ug/l	99
56) 1,2-Dibromoethane	8.922	107	10483	1.772	ug/l	100
58) Tetrachloroethene	8.549	164	16056	1.918	ug/l	96
59) Chlorobenzene	9.446	112	38667	1.720	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.533	131	17226	1.980	ug/l	98
61) Pentachloroethane	11.423	117	13602	1.908	ug/l	96
62) Hexachloroethane	12.471	117	13342	1.852	ug/l	87
63) Ethyl Benzene	9.568	91	51542	1.415	ug/l	95
64) m/p-Xylenes	9.690	106	45726	3.149	ug/l	95
65) o-Xylene	10.095	106	22995	1.641	ug/l	91
66) Styrene	10.111	104	35940	1.695	ug/l	98
67) Bromoform	10.285	173	9522	1.986	ug/l	98
69) Isopropylbenzene	10.481	105	56868	1.595	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.780	83	13572	1.752	ug/l	94
71) 1,2,3-Trichloropropane	10.822	75	11376m	1.697	ug/l	
72) Bromobenzene	10.780	156	16840	1.860	ug/l	87
73) n-propylbenzene	10.902	120	16588	1.759	ug/l	91
74) 2-Chlorotoluene	10.983	126	16376	1.818	ug/l	83
75) 1,3,5-Trimethylbenzene	11.086	105	49068	1.704	ug/l	97
76) 4-Chlorotoluene	11.095	126	16649	1.801	ug/l	91
77) tert-Butylbenzene	11.417	119	52317	1.687	ug/l	96
78) 1,2,4-Trimethylbenzene	11.465	105	48832	1.699	ug/l	95
79) sec-Butylbenzene	11.639	105	66122	1.745	ug/l	99
80) Nitrobenzene	13.204	77	3665	7.645	ug/l	89
81) p-Isopropyltoluene	11.790	119	56171	1.765	ug/l	99
82) 1,3-Dichlorobenzene	11.741	146	37688	2.039	ug/l	96
83) 1,4-Dichlorobenzene	11.835	146	36598	1.972	ug/l	99
84) n-Butylbenzene	12.204	91	44241	1.693	ug/l	97
85) 1,2-Dichlorobenzene	12.208	146	34655	1.986	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.992	75	2212	1.542	ug/l	84
87) 1,2,4-Trichlorobenzene	13.838	180	17941	1.714	ug/l	94
88) Hexachlorobutadiene	14.018	225	15804	2.155	ug/l	99
89) Naphthalene	14.085	128	24838	1.224	ug/l	98
90) 1,2,3-Trichlorobenzene	14.323	180	16841	1.696	ug/l	98

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

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