Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
Data File : VU053824.D
Acq On : 21 Apr 2023 14:34
Operator : JC/MD
Sample : VU0421WBS02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 22 03:19:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U041923DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 21 09:18:21 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0421WBS02

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/28/2023
Supervised By :Mahesh Dadoda 04/28/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.115	96	32879	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	13080	1.014	ug/l	0.00
Spiked Amount 1.000			Recovery = 101.000%			
68) 1,2-Dichlorobenzene-d4	12.188	152	15644	1.021	ug/l	0.00
Spiked Amount 1.000			Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	21691	2.176	ug/l	99
3) Chloromethane	1.520	50	18196	2.027	ug/l	98
4) Vinyl Chloride	1.604	62	21683	2.089	ug/l	99
5) Bromomethane	1.858	94	15819	2.026	ug/l	92
6) Chloroethane	1.935	64	14217	2.140	ug/l	97
7) Trichlorofluoromethane	2.137	101	38548	2.211	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	22571	1.989	ug/l	91
9) 1,1-Dichloroethene	2.581	96	17003	1.830	ug/l	86
10) Iodomethane	2.723	142	18443	1.823	ug/l	97
11) Allyl Chloride	2.922	41	19233	1.743	ug/l	85
12) Acrylonitrile	3.324	53	7379	3.179	ug/l	92
13) Acetone	2.645	43	36992	11.400	ug/l	92
14) Carbon Disulfide	2.793	76	27073	1.774	ug/l	100
15) Methylene Chloride	3.044	84	26805	1.969	ug/l	88
16) trans-1,2-Dichloroethene	3.350	96	18921	1.883	ug/l #	82
17) 1,1-Dichloroethane	3.864	63	37707	1.820	ug/l	98
18) 2-Butanone	4.713	43	39232	9.327	ug/l	99
19) Cyclohexane	5.385	56	24343m	1.698	ug/l	
20) Methylcyclohexane	6.761	83	29470	2.291	ug/l	90
21) 2,2-Dichloropropane	4.661	77	35006	1.859	ug/l	99
22) cis-1,2-Dichloroethene	4.665	96	23856	1.898	ug/l	94
23) Diethyl Ether	2.375	59	15017	2.192	ug/l	95
24) tert-Butyl Alcohol	3.243	59	16069m	17.230	ug/l	
25) Methyl tert-Butyl Ether	3.359	73	45831	1.768	ug/l	93
26) Bromochloromethane	4.970	128	10731	1.930	ug/l	81
27) Chloroform	5.086	83	43751	1.955	ug/l	96
28) 1,1,1-Trichloroethane	5.314	97	37488	2.022	ug/l	96
29) 1,1-Dichloropropene	5.526	75	26387	2.236	ug/l	97
30) Carbon Tetrachloride	5.520	117	29683	2.237	ug/l	98
31) Isopropyl Ether	3.989	45	51567	1.721	ug/l	97
32) Ethyl-t-butyl ether	4.497	59	53106	1.752	ug/l	97
33) Tert-Amyl methyl ether	5.935	73	49103	2.217	ug/l	99
34) Propionitrile	4.803	54	7480	7.953	ug/l #	13
35) Benzene	5.771	78	84050	2.312	ug/l	98
36) 1,2-Dichloroethane	5.793	62	24630	2.157	ug/l	100
37) Trichloroethene	6.539	130	24560	2.379	ug/l	93
38) 1,2-Dichloropropane	6.787	63	23096	2.232	ug/l	96
39) Methacrylonitrile	4.976	41	5103	1.360	ug/l #	84
40) Methyl acrylate	4.851	55	7393	1.193	ug/l #	92
41) Tetrahydrofuran	5.066	42	5644	3.034	ug/l #	88
42) 1-Chlorobutane	5.456	56	33730	2.094	ug/l	92
43) Dibromomethane	6.915	93	11232	2.140	ug/l	96
44) Bromodichloromethane	7.102	83	28854	2.181	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.790	43	57445	10.761	ug/l	95
46) t-1,4-Dichloro-2-butene	10.832	75	8631m	3.894	ug/l	
47) Methyl methacrylate	6.960	69	19143	4.153	ug/l	95
48) Ethyl methacrylate	8.330	69	18668	2.066	ug/l	90
49) Toluene	7.967	92	52010	2.270	ug/l	98
50) t-1,3-Dichloropropene	8.208	75	26289	2.212	ug/l	97
51) cis-1,3-Dichloropropene	7.603	75	31552	2.223	ug/l	92
52) 1,1,2-Trichloroethane	8.394	97	17645	2.119	ug/l	98
53) 1,3-Dichloropropane	8.571	76	29131	2.234	ug/l	98
54) 2-Hexanone	8.684	43	57746	11.535	ug/l	94
55) Dibromochloromethane	8.806	129	18626	2.127	ug/l	99
56) 1,2-Dibromoethane	8.922	107	15676	2.183	ug/l	96
58) Tetrachloroethene	8.552	164	23250	2.329	ug/l	94
59) Chlorobenzene	9.443	112	63875	2.241	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.529	131	22384	2.178	ug/l	97
61) Pentachloroethane	11.420	117	16919	2.135	ug/l	98
62) Hexachloroethane	12.471	117	15715	2.031	ug/l	97
63) Ethyl Benzene	9.568	91	101947	2.265	ug/l	95
64) m/p-Xylenes	9.690	106	80212	4.524	ug/l	94
65) o-Xylene	10.095	106	39193	2.192	ug/l	100
66) Styrene	10.111	104	61585	2.166	ug/l	99
67) Bromoform	10.288	173	9178	2.017	ug/l	98
69) Isopropylbenzene	10.481	105	104682	2.240	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.777	83	22107	2.062	ug/l	97
71) 1,2,3-Trichloropropane	10.822	75	9939m	1.284	ug/l	
72) Bromobenzene	10.777	156	26453	2.207	ug/l	89
73) n-propylbenzene	10.902	120	30658	2.365	ug/l	86
74) 2-Chlorotoluene	10.983	126	27639	2.256	ug/l	86
75) 1,3,5-Trimethylbenzene	11.086	105	90146	2.212	ug/l	97
76) 4-Chlorotoluene	11.095	126	28462	2.279	ug/l	86
77) tert-Butylbenzene	11.417	119	88110	2.148	ug/l	98
78) 1,2,4-Trimethylbenzene	11.465	105	91319	2.195	ug/l	97
79) sec-Butylbenzene	11.639	105	122837	2.228	ug/l	97
80) Nitrobenzene	13.211	77	2687m	7.911	ug/l	
81) p-Isopropyltoluene	11.790	119	99231	2.197	ug/l	98
82) 1,3-Dichlorobenzene	11.741	146	55408	2.162	ug/l	99
83) 1,4-Dichlorobenzene	11.832	146	55076	2.156	ug/l	99
84) n-Butylbenzene	12.204	91	94044	2.360	ug/l	97
85) 1,2-Dichlorobenzene	12.208	146	51277	2.046	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.995	75	3178	2.105	ug/l	95
87) 1,2,4-Trichlorobenzene	13.838	180	33748	2.038	ug/l	99
88) Hexachlorobutadiene	14.015	225	18220	2.062	ug/l	99
89) Naphthalene	14.082	128	55823	1.923	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	30946	1.965	ug/l	99

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

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