Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042123\
Data File : VU053828.D
Acq On : 21 Apr 2023 16:42
Operator : JC/MD
Sample : VU0421WBSD02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 22 03:20:16 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 :
VU0421WBSD02

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	6.112	96	32491	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	12350	0.969	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
68) 1,2-Dichlorobenzene-d4	12.188	152	13903	0.918	ug/l	0.00
Spiked Amount 1.000			Recovery = 92.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	19029	1.932	ug/l	99
3) Chloromethane	1.520	50	16850	1.900	ug/l	95
4) Vinyl Chloride	1.604	62	19613	1.913	ug/l	95
5) Bromomethane	1.858	94	14329	1.857	ug/l	97
6) Chloroethane	1.935	64	13487	2.054	ug/l	99
7) Trichlorofluoromethane	2.137	101	33752	1.959	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	21339	1.903	ug/l	96
9) 1,1-Dichloroethene	2.581	96	15817	1.723	ug/l	82
10) Iodomethane	2.723	142	16994	1.700	ug/l	96
11) Allyl Chloride	2.922	41	17377	1.594	ug/l	91
12) Acrylonitrile	3.330	53	7048	3.073	ug/l #	92
13) Acetone	2.645	43	17394	5.425	ug/l	91
14) Carbon Disulfide	2.793	76	24278	1.610	ug/l	98
15) Methylene Chloride	3.044	84	25197	1.873	ug/l	88
16) trans-1,2-Dichloroethene	3.353	96	16942	1.707	ug/l	86
17) 1,1-Dichloroethane	3.867	63	34337	1.677	ug/l	99
18) 2-Butanone	4.716	43	21704	5.222	ug/l	99
19) Cyclohexane	5.385	56	21701m	1.532	ug/l	
20) Methylcyclohexane	6.758	83	24539	1.931	ug/l	92
21) 2,2-Dichloropropane	4.661	77	31323	1.683	ug/l	98
22) cis-1,2-Dichloroethene	4.665	96	21049	1.695	ug/l	94
23) Diethyl Ether	2.375	59	12967	1.916	ug/l	90
24) tert-Butyl Alcohol	3.243	59	15707m	17.043	ug/l	
25) Methyl tert-Butyl Ether	3.362	73	41703	1.628	ug/l	100
26) Bromochloromethane	4.973	128	9689	1.764	ug/l	85
27) Chloroform	5.083	83	39874	1.803	ug/l	100
28) 1,1,1-Trichloroethane	5.314	97	33479	1.827	ug/l	95
29) 1,1-Dichloropropene	5.523	75	23237	1.992	ug/l	99
30) Carbon Tetrachloride	5.520	117	25872	1.973	ug/l	91
31) Isopropyl Ether	3.989	45	47715	1.611	ug/l	100
32) Ethyl-t-butyl ether	4.497	59	48407	1.616	ug/l	93
33) Tert-Amyl methyl ether	5.938	73	44372	2.027	ug/l	97
34) Propionitrile	4.800	54	6225	6.698	ug/l #	9
35) Benzene	5.771	78	75521	2.102	ug/l	98
36) 1,2-Dichloroethane	5.790	62	22620	2.004	ug/l	98
37) Trichloroethene	6.542	130	21162	2.075	ug/l	91
38) 1,2-Dichloropropane	6.787	63	21502	2.103	ug/l	95
39) Methacrylonitrile	4.970	41	4958	1.337	ug/l	98
40) Methyl acrylate	4.854	55	9160	1.496	ug/l #	92
41) Tetrahydrofuran	5.070	42	4959	2.698	ug/l #	83
42) 1-Chlorobutane	5.456	56	30526	1.917	ug/l	94
43) Dibromomethane	6.912	93	10295	1.985	ug/l	97
44) Bromodichloromethane	7.102	83	25935	1.984	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.790	43	47454	8.996	ug/l	#	93
46) t-1,4-Dichloro-2-butene	10.832	75	8186m	3.737	ug/l		
47) Methyl methacrylate	6.957	69	16217	3.560	ug/l		95
48) Ethyl methacrylate	8.330	69	15933	1.784	ug/l		94
49) Toluene	7.967	92	46752	2.065	ug/l		98
50) t-1,3-Dichloropropene	8.208	75	23800	2.026	ug/l		91
51) cis-1,3-Dichloropropene	7.607	75	28251	2.014	ug/l		97
52) 1,1,2-Trichloroethane	8.394	97	16680	2.027	ug/l		95
53) 1,3-Dichloropropane	8.571	76	26097	2.025	ug/l		99
54) 2-Hexanone	8.681	43	33635	6.799	ug/l		95
55) Dibromochloromethane	8.806	129	16942	1.958	ug/l		96
56) 1,2-Dibromoethane	8.918	107	14183	1.998	ug/l		96
58) Tetrachloroethene	8.549	164	19459	1.973	ug/l		94
59) Chlorobenzene	9.443	112	57293	2.034	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.529	131	20539	2.022	ug/l		93
61) Pentachloroethane	11.420	117	14932	1.906	ug/l		93
62) Hexachloroethane	12.471	117	14412	1.885	ug/l		95
63) Ethyl Benzene	9.565	91	87888	1.976	ug/l		96
64) m/p-Xylenes	9.690	106	70773	4.039	ug/l		93
65) o-Xylene	10.095	106	36823	2.084	ug/l		89
66) Styrene	10.111	104	54664	1.946	ug/l		99
67) Bromoform	10.285	173	9109	2.025	ug/l	#	91
69) Isopropylbenzene	10.481	105	92943	2.013	ug/l		96
70) 1,1,2,2-Tetrachloroethane	10.777	83	20023	1.890	ug/l		97
71) 1,2,3-Trichloropropane	10.822	75	9701m	1.269	ug/l		
72) Bromobenzene	10.780	156	22887	1.932	ug/l		90
73) n-propylbenzene	10.902	120	29167	2.277	ug/l		88
74) 2-Chlorotoluene	10.983	126	24023	1.984	ug/l		88
75) 1,3,5-Trimethylbenzene	11.082	105	78777	1.956	ug/l		99
76) 4-Chlorotoluene	11.092	126	24904	2.018	ug/l		84
77) tert-Butylbenzene	11.417	119	78383	1.934	ug/l		97
78) 1,2,4-Trimethylbenzene	11.465	105	79379	1.931	ug/l		99
79) sec-Butylbenzene	11.639	105	106186	1.949	ug/l		96
80) Nitrobenzene	13.208	77	2413	7.189	ug/l	#	41
81) p-Isopropyltoluene	11.790	119	85167	1.908	ug/l		98
82) 1,3-Dichlorobenzene	11.742	146	48323	1.908	ug/l		99
83) 1,4-Dichlorobenzene	11.832	146	48500	1.921	ug/l		97
84) n-Butylbenzene	12.205	91	77527	2.021	ug/l		98
85) 1,2-Dichlorobenzene	12.208	146	46270	1.869	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.992	75	2457	1.647	ug/l		85
87) 1,2,4-Trichlorobenzene	13.838	180	27966	1.709	ug/l		98
88) Hexachlorobutadiene	14.018	225	15341	1.757	ug/l		97
89) Naphthalene	14.085	128	43950	1.532	ug/l		97
90) 1,2,3-Trichlorobenzene	14.327	180	23288	1.497	ug/l		98

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

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