Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101824\
Data File : VU061159.D
Acq On : 18 Oct 2024 12:37
Operator : MD/SY
Sample : VU1018WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 18 23:59:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 18 02:52:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU1018WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/25/2024
Supervised By :Semsettin Yesilyurt 10/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	28496	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15111	0.998	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
68) 1,2-Dichlorobenzene-d4	12.184	152	14620	0.980	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	30933	1.971	ug/l	99
3) Chloromethane	1.515	50	30865	2.067	ug/l	98
4) Vinyl Chloride	1.602	62	29987	1.955	ug/l	99
5) Bromomethane	1.853	94	19745	2.049	ug/l	95
6) Chloroethane	1.930	64	19893	1.936	ug/l	98
7) Trichlorofluoromethane	2.133	101	43084	1.975	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	21930	2.022	ug/l	98
9) 1,1-Dichloroethene	2.573	96	23093	2.042	ug/l	96
10) Iodomethane	2.715	142	25856	2.266	ug/l	97
11) Allyl Chloride	2.917	41	27896	1.915	ug/l	93
12) Acrylonitrile	3.335	53	9924m	4.364	ug/l	
13) Acetone	2.650	43	28154	9.493	ug/l	99
14) Carbon Disulfide	2.785	76	75340	1.934	ug/l	98
15) Methylene Chloride	3.039	84	27341	1.869	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	26305	1.984	ug/l	98
17) 1,1-Dichloroethane	3.859	63	46155	1.963	ug/l	99
18) 2-Butanone	4.721	43	32542	8.961	ug/l	96
19) Cyclohexane	5.380	56	41079m	1.951	ug/l	
20) Methylcyclohexane	6.756	83	45408	1.934	ug/l	97
21) 2,2-Dichloropropane	4.653	77	40766	1.880	ug/l	99
22) cis-1,2-Dichloroethene	4.660	96	29035	2.010	ug/l	97
23) Diethyl Ether	2.370	59	16865	1.920	ug/l	99
24) tert-Butyl Alcohol	3.261	59	21165m	23.089	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	59511	1.965	ug/l	97
26) Bromochloromethane	4.968	128	11903	1.971	ug/l	99
27) Chloroform	5.078	83	50142	2.034	ug/l	99
28) 1,1,1-Trichloroethane	5.306	97	42559	1.958	ug/l	99
29) 1,1-Dichloropropene	5.521	75	36495	1.899	ug/l	98
30) Carbon Tetrachloride	5.515	117	37093	1.967	ug/l	94
31) Isopropyl Ether	3.981	45	66504	1.983	ug/l	98
32) Ethyl-t-butyl ether	4.489	59	68822	1.996	ug/l	98
33) Tert-Amyl methyl ether	5.930	73	62025	1.998	ug/l	98
34) Propionitrile	4.808	54	8431	9.732	ug/l #	87
35) Benzene	5.766	78	109389	2.022	ug/l	99
36) 1,2-Dichloroethane	5.788	62	31114	2.037	ug/l	98
37) Trichloroethene	6.534	130	28347	1.963	ug/l	96
38) 1,2-Dichloropropane	6.782	63	27107	1.979	ug/l	99
39) Methacrylonitrile	4.978	41	6280	2.013	ug/l #	86
40) Methyl acrylate	4.866	55	13131m	2.075	ug/l	
41) Tetrahydrofuran	5.065	42	7902	4.217	ug/l	92
42) 1-Chlorobutane	5.451	56	48574	1.971	ug/l	100
43) Dibromomethane	6.914	93	14054	1.978	ug/l	98
44) Bromodichloromethane	7.097	83	33826	1.958	ug/l	97

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Instrument :
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	70439	9.878	ug/l		99
46) t-1,4-Dichloro-2-butene	10.830	75	10212m	3.591	ug/l		
47) Methyl methacrylate	6.959	69	24345	3.943	ug/l		97
48) Ethyl methacrylate	8.328	69	25861	1.964	ug/l		99
49) Toluene	7.962	92	68505	2.005	ug/l		98
50) t-1,3-Dichloropropene	8.206	75	32695	1.963	ug/l		96
51) cis-1,3-Dichloropropene	7.602	75	40198	1.967	ug/l		100
52) 1,1,2-Trichloroethane	8.393	97	19150	1.999	ug/l		99
53) 1,3-Dichloropropane	8.570	76	34263	2.036	ug/l		100
54) 2-Hexanone	8.682	43	52568	8.973	ug/l		100
55) Dibromochloromethane	8.801	129	22164	1.960	ug/l		98
56) 1,2-Dibromoethane	8.917	107	18471	2.009	ug/l		99
58) Tetrachloroethene	8.547	164	24462	1.998	ug/l		98
59) Chlorobenzene	9.441	112	73147	1.987	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.525	131	24982	2.012	ug/l		99
61) Pentachloroethane	11.418	117	17837	1.877	ug/l		100
62) Hexachloroethane	12.467	117	17769	1.815	ug/l		100
63) Ethyl Benzene	9.563	91	130173	1.974	ug/l		99
64) m/p-Xylenes	9.685	106	99375	3.960	ug/l		100
65) o-Xylene	10.094	106	49051	1.984	ug/l		98
66) Styrene	10.110	104	74592	1.940	ug/l		99
67) Bromoform	10.283	173	11369	1.920	ug/l		98
69) Isopropylbenzene	10.476	105	115578	1.965	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.772	83	23341	2.006	ug/l		100
71) 1,2,3-Trichloropropane	10.817	75	19361m	2.043	ug/l		
72) Bromobenzene	10.775	156	27311	1.931	ug/l		99
73) n-propylbenzene	10.897	120	34196	1.993	ug/l		94
74) 2-Chlorotoluene	10.978	126	29705	2.001	ug/l		99
75) 1,3,5-Trimethylbenzene	11.081	105	105098	1.982	ug/l		100
76) 4-Chlorotoluene	11.090	126	29487	1.955	ug/l		98
77) tert-Butylbenzene	11.412	119	103307	1.971	ug/l		99
78) 1,2,4-Trimethylbenzene	11.460	105	104192	1.946	ug/l		100
79) sec-Butylbenzene	11.634	105	135490	1.985	ug/l		99
80) Nitrobenzene	13.219	77	1925	9.791	ug/l	#	84
81) p-Isopropyltoluene	11.785	119	109385	1.936	ug/l		99
82) 1,3-Dichlorobenzene	11.740	146	53278	1.964	ug/l		99
83) 1,4-Dichlorobenzene	11.830	146	52004	1.923	ug/l		98
84) n-Butylbenzene	12.200	91	97840	1.866	ug/l		99
85) 1,2-Dichlorobenzene	12.203	146	50243	1.981	ug/l		100
86) 1,2-Dibromo-3-Chloropr...	12.991	75	3599	2.084	ug/l		93
87) 1,2,4-Trichlorobenzene	13.836	180	27369	1.887	ug/l		99
88) Hexachlorobutadiene	14.013	225	16191	1.974	ug/l		97
89) Naphthalene	14.084	128	47586	1.859	ug/l		99
90) 1,2,3-Trichlorobenzene	14.325	180	25567	1.962	ug/l		99

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

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