Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
Data File : VU061149.D
Acq On : 17 Oct 2024 17:54
Operator : MD/SY
Sample : VU1017WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 18 04:10:13 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 :
VU1017WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/21/2024
Supervised By :Mahesh Dadoda 10/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	28504	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.628	95	14257	0.941	ug/l	0.00
Spiked Amount 1.000			Recovery = 94.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	14636	0.981	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.384	85	30875	1.967	ug/l	100
3) Chloromethane	1.516	50	30049	2.012	ug/l	98
4) Vinyl Chloride	1.599	62	30783	2.007	ug/l	100
5) Bromomethane	1.853	94	18824	1.953	ug/l	99
6) Chloroethane	1.930	64	19188	1.867	ug/l	97
7) Trichlorofluoromethane	2.133	101	42319	1.939	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	20932	1.929	ug/l	97
9) 1,1-Dichloroethene	2.573	96	21631	1.913	ug/l	91
10) Iodomethane	2.715	142	24695	2.199	ug/l	99
11) Allyl Chloride	2.917	41	27690	1.901	ug/l	97
12) Acrylonitrile	3.332	53	9297m	4.087	ug/l	
13) Acetone	2.651	43	31346	10.566	ug/l	95
14) Carbon Disulfide	2.789	76	75235	1.931	ug/l	98
15) Methylene Chloride	3.040	84	37123	2.536	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	26496	1.998	ug/l	94
17) 1,1-Dichloroethane	3.859	63	46367	1.972	ug/l	99
18) 2-Butanone	4.718	43	34751	9.567	ug/l	98
19) Cyclohexane	5.377	56	41549m	1.972	ug/l	
20) Methylcyclohexane	6.756	83	45970	1.957	ug/l	99
21) 2,2-Dichloropropane	4.654	77	40801	1.881	ug/l	97
22) cis-1,2-Dichloroethene	4.660	96	28831	1.995	ug/l	97
23) Diethyl Ether	2.371	59	17220	1.960	ug/l	97
24) tert-Butyl Alcohol	3.268	59	16967m	18.504	ug/l	
25) Methyl tert-Butyl Ether	3.355	73	60000	1.980	ug/l	98
26) Bromochloromethane	4.969	128	11917	1.972	ug/l	98
27) Chloroform	5.081	83	48923	1.984	ug/l	98
28) 1,1,1-Trichloroethane	5.306	97	42241	1.943	ug/l	99
29) 1,1-Dichloropropene	5.519	75	37439	1.948	ug/l	99
30) Carbon Tetrachloride	5.515	117	36428	1.931	ug/l	99
31) Isopropyl Ether	3.982	45	66256	1.975	ug/l	100
32) Ethyl-t-butyl ether	4.493	59	66927	1.940	ug/l	100
33) Tert-Amyl methyl ether	5.930	73	62496	2.013	ug/l	100
34) Propionitrile	4.811	54	8162	9.419	ug/l #	94
35) Benzene	5.766	78	108221	2.000	ug/l	100
36) 1,2-Dichloroethane	5.789	62	30986	2.028	ug/l	97
37) Trichloroethene	6.538	130	27472	1.902	ug/l	99
38) 1,2-Dichloropropane	6.782	63	27406	2.000	ug/l	96
39) Methacrylonitrile	4.978	41	6302	2.019	ug/l	98
40) Methyl acrylate	4.863	55	13026m	2.058	ug/l	
41) Tetrahydrofuran	5.068	42	7510m	4.007	ug/l	
42) 1-Chlorobutane	5.451	56	47222	1.915	ug/l	97
43) Dibromomethane	6.914	93	13982	1.968	ug/l	98
44) Bromodichloromethane	7.097	83	33917	1.963	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	70256	9.849	ug/l		98
46) t-1,4-Dichloro-2-butene	10.827	75	12279m	4.317	ug/l		
47) Methyl methacrylate	6.959	69	24958	4.041	ug/l		99
48) Ethyl methacrylate	8.329	69	25428	1.931	ug/l		98
49) Toluene	7.962	92	68059	1.991	ug/l		97
50) t-1,3-Dichloropropene	8.207	75	31510	1.891	ug/l		95
51) cis-1,3-Dichloropropene	7.602	75	39005	1.908	ug/l		98
52) 1,1,2-Trichloroethane	8.390	97	18522	1.933	ug/l		97
53) 1,3-Dichloropropane	8.570	76	33758	2.006	ug/l		100
54) 2-Hexanone	8.679	43	56260	9.601	ug/l		98
55) Dibromochloromethane	8.801	129	22057	1.950	ug/l		98
56) 1,2-Dibromoethane	8.917	107	18138	1.973	ug/l		98
58) Tetrachloroethene	8.544	164	25166	2.055	ug/l		95
59) Chlorobenzene	9.441	112	72803	1.977	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.525	131	24168	1.946	ug/l		98
61) Pentachloroethane	11.419	117	16853	1.773	ug/l		97
62) Hexachloroethane	12.467	117	17981	1.836	ug/l		99
63) Ethyl Benzene	9.563	91	128683	1.951	ug/l		99
64) m/p-Xylenes	9.686	106	97394	3.880	ug/l		100
65) o-Xylene	10.091	106	47370	1.916	ug/l		96
66) Styrene	10.110	104	73454	1.910	ug/l		99
67) Bromoform	10.284	173	11454	1.933	ug/l	#	98
69) Isopropylbenzene	10.477	105	111850	1.902	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.772	83	22464	1.930	ug/l		99
71) 1,2,3-Trichloropropane	10.817	75	16912m	1.784	ug/l		
72) Bromobenzene	10.776	156	26871	1.900	ug/l		98
73) n-propylbenzene	10.898	120	31673	1.845	ug/l		95
74) 2-Chlorotoluene	10.978	126	29391	1.980	ug/l		100
75) 1,3,5-Trimethylbenzene	11.081	105	101925	1.922	ug/l		100
76) 4-Chlorotoluene	11.091	126	29051	1.925	ug/l		97
77) tert-Butylbenzene	11.412	119	99942	1.906	ug/l		97
78) 1,2,4-Trimethylbenzene	11.460	105	102237	1.909	ug/l		100
79) sec-Butylbenzene	11.634	105	129489	1.897	ug/l		99
80) Nitrobenzene	13.216	77	2239m	10.646	ug/l		
81) p-Isopropyltoluene	11.785	119	105703	1.870	ug/l		99
82) 1,3-Dichlorobenzene	11.740	146	51794	1.909	ug/l		99
83) 1,4-Dichlorobenzene	11.830	146	51600	1.907	ug/l		99
84) n-Butylbenzene	12.203	91	96249	1.835	ug/l		99
85) 1,2-Dichlorobenzene	12.206	146	49834	1.964	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	3738	2.164	ug/l		94
87) 1,2,4-Trichlorobenzene	13.833	180	26868	1.852	ug/l		100
88) Hexachlorobutadiene	14.010	225	15400	1.877	ug/l		97
89) Naphthalene	14.084	128	49662	1.940	ug/l		98
90) 1,2,3-Trichlorobenzene	14.322	180	25809	1.980	ug/l		99

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

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