Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102124\
Data File : VU061169.D
Acq On : 21 Oct 2024 13:50
Operator : MD/SY
Sample : VU1021WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 22 01:21:34 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 :
VU1021WBS01

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	27841	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14573	0.985	ug/l	0.00
Spiked Amount 1.000			Recovery =	98.000%		
68) 1,2-Dichlorobenzene-d4	12.187	152	14167	0.972	ug/l	0.00
Spiked Amount 1.000			Recovery =	97.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	30078	1.962	ug/l	99
3) Chloromethane	1.515	50	27989	1.919	ug/l	100
4) Vinyl Chloride	1.602	62	28692	1.915	ug/l	97
5) Bromomethane	1.856	94	19308	2.051	ug/l	94
6) Chloroethane	1.930	64	20620	2.054	ug/l	99
7) Trichlorofluoromethane	2.132	101	41033	1.925	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	21812	2.058	ug/l	98
9) 1,1-Dichloroethene	2.576	96	21730	1.967	ug/l	98
10) Iodomethane	2.718	142	23216	2.146	ug/l	99
11) Allyl Chloride	2.917	41	27245	1.915	ug/l	99
12) Acrylonitrile	3.332	53	8943m	4.025	ug/l	
13) Acetone	2.640	43	33710	11.634	ug/l	98
14) Carbon Disulfide	2.788	76	72120	1.895	ug/l	99
15) Methylene Chloride	3.039	84	27054	1.892	ug/l	99
16) trans-1,2-Dichloroethene	3.348	96	24961	1.927	ug/l	96
17) 1,1-Dichloroethane	3.862	63	44270	1.927	ug/l	100
18) 2-Butanone	4.714	43	36364	10.250	ug/l	98
19) Cyclohexane	5.380	56	39506m	1.920	ug/l	
20) Methylcyclohexane	6.756	83	44100	1.922	ug/l	97
21) 2,2-Dichloropropane	4.656	77	40241	1.899	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	27891	1.976	ug/l	96
23) Diethyl Ether	2.374	59	16359	1.906	ug/l	98
24) tert-Butyl Alcohol	3.232	59	19134	21.364	ug/l	99
25) Methyl tert-Butyl Ether	3.357	73	57173	1.932	ug/l	99
26) Bromochloromethane	4.968	128	11990	2.032	ug/l	91
27) Chloroform	5.081	83	47194	1.959	ug/l	95
28) 1,1,1-Trichloroethane	5.309	97	40627	1.913	ug/l	97
29) 1,1-Dichloropropene	5.521	75	36452	1.942	ug/l	99
30) Carbon Tetrachloride	5.518	117	36198	1.965	ug/l	99
31) Isopropyl Ether	3.984	45	63665	1.943	ug/l	99
32) Ethyl-t-butyl ether	4.489	59	65442	1.942	ug/l	100
33) Tert-Amyl methyl ether	5.933	73	58602	1.932	ug/l	100
34) Propionitrile	4.801	54	8554m	10.106	ug/l	
35) Benzene	5.769	78	104610	1.979	ug/l	98
36) 1,2-Dichloroethane	5.788	62	29745	1.993	ug/l	100
37) Trichloroethene	6.537	130	27583	1.955	ug/l	98
38) 1,2-Dichloropropane	6.785	63	26640	1.990	ug/l	98
39) Methacrylonitrile	4.984	41	5792	1.900	ug/l #	95
40) Methyl acrylate	4.862	55	11574m	1.872	ug/l	
41) Tetrahydrofuran	5.058	42	7256	3.963	ug/l #	91
42) 1-Chlorobutane	5.451	56	45760	1.900	ug/l	96
43) Dibromomethane	6.917	93	13618	1.962	ug/l	98
44) Bromodichloromethane	7.097	83	32727	1.939	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	65533	9.406	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	10677m	3.843	ug/l	
47) Methyl methacrylate	6.959	69	23253	3.855	ug/l	97
48) Ethyl methacrylate	8.332	69	24026	1.868	ug/l	96
49) Toluene	7.965	92	64821	1.942	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	31861	1.958	ug/l	98
51) cis-1,3-Dichloropropene	7.602	75	38684	1.937	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	18876	2.017	ug/l	94
53) 1,3-Dichloropropane	8.569	76	32469	1.975	ug/l	96
54) 2-Hexanone	8.682	43	54779	9.571	ug/l	99
55) Dibromochloromethane	8.804	129	22171	2.006	ug/l	97
56) 1,2-Dibromoethane	8.920	107	17332	1.930	ug/l	99
58) Tetrachloroethene	8.547	164	23950	2.002	ug/l	98
59) Chlorobenzene	9.441	112	70630	1.964	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.528	131	23589	1.944	ug/l	99
61) Pentachloroethane	11.418	117	17595	1.895	ug/l	100
62) Hexachloroethane	12.466	117	17681	1.848	ug/l	98
63) Ethyl Benzene	9.563	91	124086	1.926	ug/l	98
64) m/p-Xylenes	9.688	106	94274	3.845	ug/l	99
65) o-Xylene	10.093	106	46848	1.940	ug/l	99
66) Styrene	10.110	104	71342	1.899	ug/l	99
67) Bromoform	10.286	173	10895	1.883	ug/l	95
69) Isopropylbenzene	10.476	105	112458	1.957	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	21995	1.935	ug/l	98
71) 1,2,3-Trichloropropane	10.814	75	16924m	1.828	ug/l	
72) Bromobenzene	10.778	156	26870	1.945	ug/l	85
73) n-propylbenzene	10.901	120	32590	1.944	ug/l	98
74) 2-Chlorotoluene	10.981	126	27907	1.925	ug/l	96
75) 1,3,5-Trimethylbenzene	11.081	105	101435	1.958	ug/l	100
76) 4-Chlorotoluene	11.090	126	28834	1.956	ug/l	93
77) tert-Butylbenzene	11.412	119	99664	1.946	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	100169	1.915	ug/l	100
79) sec-Butylbenzene	11.637	105	131354	1.970	ug/l	99
80) Nitrobenzene	13.219	77	2002m	10.130	ug/l	
81) p-Isopropyltoluene	11.785	119	105144	1.905	ug/l	100
82) 1,3-Dichlorobenzene	11.740	146	51140	1.929	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	50514	1.911	ug/l	99
84) n-Butylbenzene	12.203	91	97083	1.895	ug/l	100
85) 1,2-Dichlorobenzene	12.206	146	47797	1.929	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.990	75	3146	1.865	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	25585	1.805	ug/l	98
88) Hexachlorobutadiene	14.013	225	16207	2.022	ug/l	98
89) Naphthalene	14.087	128	41779	1.671	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	22457	1.764	ug/l	98

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

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