Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
Data File : VU055811.D
Acq On : 19 Oct 2023 16:05
Operator : MD/SY
Sample : VU1019WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 20 01:37:36 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 19 03:10:04 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU1019WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.113	96	97756	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	36541	0.948	ug/l	0.00
Spiked Amount 1.000			Recovery = 95.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	33037	0.924	ug/l	0.00
Spiked Amount 1.000			Recovery = 92.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	70184	1.849	ug/l	97
3) Chloromethane	1.518	50	65465	2.018	ug/l	97
4) Vinyl Chloride	1.602	62	69500	2.090	ug/l	100
5) Bromomethane	1.856	94	41891	2.289	ug/l	99
6) Chloroethane	1.933	64	38666	2.401	ug/l	100
7) Trichlorofluoromethane	2.136	101	90014	2.053	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	55408	1.896	ug/l	92
9) 1,1-Dichloroethene	2.576	96	51975	1.906	ug/l	93
10) Iodomethane	2.718	142	77198	1.900	ug/l	98
11) Allyl Chloride	2.920	41	70001	1.975	ug/l	96
12) Acrylonitrile	3.325	53	21718	4.239	ug/l	97
13) Acetone	2.647	43	102253	9.355	ug/l	97
14) Carbon Disulfide	2.789	76	164719	1.851	ug/l	100
15) Methylene Chloride	3.043	84	73157	2.275	ug/l	96
16) trans-1,2-Dichloroethene	3.351	96	56016	1.938	ug/l	96
17) 1,1-Dichloroethane	3.866	63	104976	1.953	ug/l	99
18) 2-Butanone	4.721	43	104519	8.875	ug/l	96
19) Cyclohexane	5.383	56	89661m	1.956	ug/l	
20) Methylcyclohexane	6.763	83	93097	1.954	ug/l	96
21) 2,2-Dichloropropane	4.660	77	85663	1.893	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	58782	1.908	ug/l	95
23) Diethyl Ether	2.374	59	39069	2.397	ug/l	97
24) tert-Butyl Alcohol	3.345	59	36972m	22.116	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	116552	1.986	ug/l	99
26) Bromochloromethane	4.972	128	25323	1.940	ug/l	98
27) Chloroform	5.084	83	108173	1.961	ug/l	98
28) 1,1,1-Trichloroethane	5.313	97	95264	1.927	ug/l	99
29) 1,1-Dichloropropene	5.525	75	77510	1.980	ug/l	99
30) Carbon Tetrachloride	5.522	117	84789	1.965	ug/l	95
31) Isopropyl Ether	3.988	45	147233	2.039	ug/l	94
32) Ethyl-t-butyl ether	4.496	59	137149	1.968	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	114851	1.923	ug/l	98
34) Propionitrile	4.798	54	19478	10.455	ug/l #	77
35) Benzene	5.772	78	227790	1.921	ug/l	97
36) 1,2-Dichloroethane	5.792	62	65225	2.025	ug/l	99
37) Trichloroethene	6.541	130	59703	1.935	ug/l	98
38) 1,2-Dichloropropane	6.785	63	61263	1.978	ug/l	98
39) Methacrylonitrile	4.985	41	14459	2.081	ug/l	96
40) Methyl acrylate	4.856	55	20035	1.882	ug/l #	97
41) Tetrahydrofuran	5.071	42	15491	3.935	ug/l	98
42) 1-Chlorobutane	5.454	56	102634	1.966	ug/l	100
43) Dibromomethane	6.917	93	28495	1.936	ug/l	99
44) Bromodichloromethane	7.103	83	76526	1.967	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	149339	9.810	ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	21739m	3.590	ug/l	
47) Methyl methacrylate	6.962	69	48236	3.972	ug/l	98
48) Ethyl methacrylate	8.335	69	44490	2.021	ug/l	99
49) Toluene	7.968	92	139686	1.990	ug/l	94
50) t-1,3-Dichloropropene	8.210	75	65963	1.916	ug/l	97
51) cis-1,3-Dichloropropene	7.605	75	81954	1.945	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	40263	1.915	ug/l	98
53) 1,3-Dichloropropane	8.573	76	67920	1.890	ug/l	96
54) 2-Hexanone	8.689	43	141608	8.303	ug/l	98
55) Dibromochloromethane	8.808	129	49506	1.951	ug/l	99
56) 1,2-Dibromoethane	8.923	107	38567	2.008	ug/l	100
58) Tetrachloroethene	8.550	164	63947	1.993	ug/l	98
59) Chlorobenzene	9.444	112	154388	1.992	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	53058	1.920	ug/l	97
61) Pentachloroethane	11.425	117	35451	1.896	ug/l	92
62) Hexachloroethane	12.470	117	36587	1.985	ug/l	96
63) Ethyl Benzene	9.570	91	261272	1.986	ug/l	99
64) m/p-Xylenes	9.692	106	199467	3.944	ug/l	100
65) o-Xylene	10.097	106	99313	2.001	ug/l	96
66) Styrene	10.113	104	151025	1.946	ug/l	97
67) Bromoform	10.290	173	24821	1.821	ug/l	99
69) Isopropylbenzene	10.483	105	255340	1.999	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.779	83	47740	1.942	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	36027m	1.768	ug/l	
72) Bromobenzene	10.782	156	61120	2.005	ug/l	100
73) n-propylbenzene	10.904	120	64136	1.970	ug/l	95
74) 2-Chlorotoluene	10.984	126	61469	2.007	ug/l	95
75) 1,3,5-Trimethylbenzene	11.084	105	219854	2.025	ug/l	100
76) 4-Chlorotoluene	11.097	126	62614	2.006	ug/l	94
77) tert-Butylbenzene	11.418	119	193368	1.991	ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	211200	1.969	ug/l	99
79) sec-Butylbenzene	11.640	105	230271	1.895	ug/l	99
80) Nitrobenzene	13.216	77	5607m	9.197	ug/l	
81) p-Isopropyltoluene	11.791	119	181040	1.870	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	121246	1.949	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	118548	1.969	ug/l	96
84) n-Butylbenzene	12.206	91	154751	1.878	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	113085	1.989	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	6062	1.727	ug/l	98
87) 1,2,4-Trichlorobenzene	13.839	180	54900	1.843	ug/l	97
88) Hexachlorobutadiene	14.016	225	38855	1.811	ug/l	98
89) Naphthalene	14.087	128	79402	1.925	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	48855	1.903	ug/l	99

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

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