Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020624\
Data File : VU057814.D
Acq On : 06 Feb 2024 10:46
Operator : MD/SY
Sample : VU0206WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 07 02:58:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 06 02:05:40 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0206WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 02/14/2024
Supervised By :Mahesh Dadoda 02/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.107	96	41627	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	14769	0.966	ug/l	0.00
Spiked Amount 1.000			Recovery =	97.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	13125	0.972	ug/l	0.00
Spiked Amount 1.000			Recovery =	97.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	28935	2.126	ug/l	99
3) Chloromethane	1.515	50	27188	2.081	ug/l	98
4) Vinyl Chloride	1.599	62	28652	2.124	ug/l	100
5) Bromomethane	1.853	94	17898	2.197	ug/l	98
6) Chloroethane	1.927	64	17954	2.067	ug/l	98
7) Trichlorofluoromethane	2.126	101	44717	2.188	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	21681	2.122	ug/l	94
9) 1,1-Dichloroethene	2.570	96	20836	2.080	ug/l	98
10) Iodomethane	2.711	142	33362	2.071	ug/l	94
11) Allyl Chloride	2.911	41	31669	2.071	ug/l	85
12) Acrylonitrile	3.316	53	9333	4.414	ug/l #	92
13) Acetone	2.641	43	39611	9.563	ug/l	92
14) Carbon Disulfide	2.782	76	66450	2.075	ug/l	100
15) Methylene Chloride	3.033	84	24996	1.943	ug/l	97
16) trans-1,2-Dichloroethene	3.338	96	23598	2.170	ug/l	94
17) 1,1-Dichloroethane	3.856	63	47682	2.182	ug/l	98
18) 2-Butanone	4.718	43	42175	10.157	ug/l	94
19) Cyclohexane	5.374	56	37773	2.200	ug/l	96
20) Methylcyclohexane	6.753	83	42759	2.152	ug/l	96
21) 2,2-Dichloropropane	4.653	77	42384	2.154	ug/l	97
22) cis-1,2-Dichloroethene	4.653	96	25158	2.101	ug/l	90
23) Diethyl Ether	2.367	59	17160	2.220	ug/l	99
24) tert-Butyl Alcohol	3.245	59	9254m	16.498	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	55378	2.170	ug/l	96
26) Bromochloromethane	4.962	128	9884	2.121	ug/l	92
27) Chloroform	5.078	83	47324	2.171	ug/l	97
28) 1,1,1-Trichloroethane	5.306	97	41711	2.113	ug/l	98
29) 1,1-Dichloropropene	5.512	75	34825	2.147	ug/l	97
30) Carbon Tetrachloride	5.512	117	35147	2.078	ug/l	99
31) Isopropyl Ether	3.985	45	72872	2.172	ug/l	95
32) Ethyl-t-butyl ether	4.499	59	69927	2.120	ug/l	98
33) Tert-Amyl methyl ether	5.940	73	58972	2.135	ug/l	100
34) Propionitrile	4.795	54	8109	10.464	ug/l #	10
35) Benzene	5.766	78	99144	2.134	ug/l	99
36) 1,2-Dichloroethane	5.788	62	29499	2.172	ug/l	97
37) Trichloroethene	6.534	130	25080	2.097	ug/l	95
38) 1,2-Dichloropropane	6.785	63	26193	2.132	ug/l	100
39) Methacrylonitrile	4.975	41	7661	2.269	ug/l	94
40) Methyl acrylate	4.850	55	12385	2.202	ug/l #	93
41) Tetrahydrofuran	5.075	42	7843	4.661	ug/l	95
42) 1-Chlorobutane	5.448	56	46659	2.167	ug/l	98
43) Dibromomethane	6.914	93	11584	2.053	ug/l	96
44) Bromodichloromethane	7.100	83	31834	2.076	ug/l	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U020524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Feb 06 02:05:40 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	64360	10.206	ug/l	99
46) t-1,4-Dichloro-2-butene	10.840	75	6410m	3.790	ug/l	
47) Methyl methacrylate	6.965	69	21834	4.222	ug/l	93
48) Ethyl methacrylate	8.335	69	21563	2.078	ug/l	94
49) Toluene	7.965	92	58655	2.088	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	28018	2.009	ug/l	98
51) cis-1,3-Dichloropropene	7.605	75	35451	2.038	ug/l	94
52) 1,1,2-Trichloroethane	8.396	97	16813	2.165	ug/l	98
53) 1,3-Dichloropropane	8.573	76	30119	2.137	ug/l	100
54) 2-Hexanone	8.689	43	60786	9.955	ug/l	97
55) Dibromochloromethane	8.804	129	18475	1.992	ug/l	99
56) 1,2-Dibromoethane	8.920	107	15450	2.124	ug/l	100
58) Tetrachloroethene	8.547	164	21562	2.078	ug/l	96
59) Chlorobenzene	9.441	112	65190	2.110	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	22334	2.109	ug/l	96
61) Pentachloroethane	11.422	117	16248	2.081	ug/l	92
62) Hexachloroethane	12.470	117	18817	2.080	ug/l	94
63) Ethyl Benzene	9.563	91	115650	2.081	ug/l	98
64) m/p-Xylenes	9.689	106	84748	4.161	ug/l	97
65) o-Xylene	10.094	106	42821	2.116	ug/l	99
66) Styrene	10.110	104	64061	2.050	ug/l	96
67) Bromoform	10.287	173	9153	1.961	ug/l	95
69) Isopropylbenzene	10.480	105	112635	2.098	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.779	83	19645	2.101	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	17998m	2.178	ug/l	
72) Bromobenzene	10.779	156	23582	2.051	ug/l	98
73) n-propylbenzene	10.901	120	28231	2.016	ug/l	95
74) 2-Chlorotoluene	10.981	126	25304	2.068	ug/l	96
75) 1,3,5-Trimethylbenzene	11.084	105	95869	2.113	ug/l	98
76) 4-Chlorotoluene	11.094	126	26982	2.190	ug/l	97
77) tert-Butylbenzene	11.412	119	90482	2.070	ug/l	98
78) 1,2,4-Trimethylbenzene	11.463	105	95361	2.078	ug/l	100
79) sec-Butylbenzene	11.637	105	121660	2.107	ug/l	99
80) Nitrobenzene	13.209	77	2296	9.229	ug/l	88
81) p-Isopropyltoluene	11.788	119	96719	2.037	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	48537	2.111	ug/l	98
83) 1,4-Dichlorobenzene	11.833	146	47733	2.096	ug/l	97
84) n-Butylbenzene	12.203	91	93031	2.054	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	43526	2.039	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.991	75	3069	1.966	ug/l	90
87) 1,2,4-Trichlorobenzene	13.836	180	26626	2.043	ug/l	97
88) Hexachlorobutadiene	14.013	225	17163	2.101	ug/l	99
89) Naphthalene	14.084	128	42724	1.872	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	21697	1.940	ug/l	96

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

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