Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102124\
Data File : VU061174.D
Acq On : 21 Oct 2024 16:06
Operator : MD/SY
Sample : P4368-09
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 22 01:38:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 22 01:35:52 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT4-2024

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	25103	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	12687	0.951	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	12510	0.952	ug/l	0.00
Spiked Amount 1.000			Recovery =	95.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.384	85	5265	0.381	ug/l	100
3) Chloromethane	1.515	50	5687	0.432	ug/l	98
4) Vinyl Chloride	1.599	62	5312	0.393	ug/l	94
5) Bromomethane	1.853	94	3430	0.404	ug/l	98
6) Chloroethane	1.930	64	3785	0.418	ug/l	100
7) Trichlorofluoromethane	2.136	101	7081	0.368	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	3725	0.390	ug/l	99
9) 1,1-Dichloroethene	2.576	96	4099	0.412	ug/l	82
10) Iodomethane	2.715	142	4079	0.344	ug/l	99
11) Allyl Chloride	2.920	41	4929	0.384	ug/l	97
12) Acrylonitrile	3.361	53	1264m	0.631	ug/l	
13) Acetone	2.644	43	5611	2.148	ug/l	95
14) Carbon Disulfide	2.789	76	12937	0.377	ug/l	97
15) Methylene Chloride	3.043	84	5363	0.416	ug/l	92
16) trans-1,2-Dichloroethene	3.351	96	4496	0.385	ug/l	94
17) 1,1-Dichloroethane	3.859	63	7855	0.379	ug/l	96
18) 2-Butanone	4.744	43	6707m	2.097	ug/l	
19) Cyclohexane	5.377	56	6899m	0.372	ug/l	
20) Methylcyclohexane	6.753	83	7084	0.342	ug/l	96
21) 2,2-Dichloropropane	4.657	77	7242	0.379	ug/l	98
22) cis-1,2-Dichloroethene	4.666	96	4920	0.387	ug/l	95
23) Diethyl Ether	2.374	59	2918	0.377	ug/l #	89
24) tert-Butyl Alcohol	3.232	59	3123m	3.867	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	9768	0.366	ug/l	96
26) Bromochloromethane	4.975	128	1948	0.366	ug/l	95
27) Chloroform	5.081	83	8823	0.406	ug/l	95
28) 1,1,1-Trichloroethane	5.306	97	7244	0.378	ug/l	98
29) 1,1-Dichloropropene	5.525	75	6250	0.369	ug/l	96
30) Carbon Tetrachloride	5.515	117	6201	0.373	ug/l	93
31) Isopropyl Ether	3.985	45	10767	0.364	ug/l	98
32) Ethyl-t-butyl ether	4.493	59	11926	0.393	ug/l	95
33) Tert-Amyl methyl ether	5.933	73	10471	0.383	ug/l	97
34) Propionitrile	4.834	54	884m	1.158	ug/l	
35) Benzene	5.772	78	19402	0.407	ug/l	100
36) 1,2-Dichloroethane	5.795	62	5107	0.380	ug/l #	92
37) Trichloroethene	6.541	130	4993	0.393	ug/l	98
38) 1,2-Dichloropropane	6.788	63	4870	0.404	ug/l	97
39) Methacrylonitrile	5.001	41	837m	0.305	ug/l	
40) Methyl acrylate	4.904	55	1745m	0.313	ug/l	
41) Tetrahydrofuran	5.075	42	1262m	0.764	ug/l	
42) 1-Chlorobutane	5.451	56	7897	0.364	ug/l	95
43) Dibromomethane	6.917	93	2441	0.390	ug/l #	82
44) Bromodichloromethane	7.100	83	5911	0.388	ug/l #	98

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	11475	1.827	ug/l		95
46) t-1,4-Dichloro-2-butene	10.843	75	1596m	0.637	ug/l		
47) Methyl methacrylate	6.965	69	3747	0.689	ug/l		93
48) Ethyl methacrylate	8.338	69	3774	0.325	ug/l		94
49) Toluene	7.968	92	11154	0.371	ug/l		88
50) t-1,3-Dichloropropene	8.210	75	5257	0.358	ug/l		100
51) cis-1,3-Dichloropropene	7.608	75	6597	0.366	ug/l		95
52) 1,1,2-Trichloroethane	8.393	97	3361	0.398	ug/l		97
53) 1,3-Dichloropropane	8.570	76	5768	0.389	ug/l		100
54) 2-Hexanone	8.692	43	7762	1.504	ug/l		94
55) Dibromochloromethane	8.801	129	3557	0.357	ug/l		98
56) 1,2-Dibromoethane	8.923	107	2784	0.344	ug/l		88
58) Tetrachloroethene	8.547	164	4140	0.384	ug/l		97
59) Chlorobenzene	9.444	112	12683	0.391	ug/l		97
60) 1,1,1,2-Tetrachloroethane	9.528	131	4188	0.383	ug/l		97
61) Pentachloroethane	11.415	117	3193	0.381	ug/l		93
62) Hexachloroethane	12.467	117	2892	0.335	ug/l		93
63) Ethyl Benzene	9.566	91	22235	0.383	ug/l		98
64) m/p-Xylenes	9.689	106	16275	0.736	ug/l		99
65) o-Xylene	10.094	106	8244	0.379	ug/l		98
66) Styrene	10.116	104	12374	0.365	ug/l		99
67) Bromoform	10.283	173	1779	0.341	ug/l	#	97
69) Isopropylbenzene	10.480	105	18454	0.356	ug/l		98
70) 1,1,2,2-Tetrachloroethane	10.772	83	3755	0.366	ug/l	#	92
71) 1,2,3-Trichloropropane	10.817	75	3549m	0.425	ug/l		
72) Bromobenzene	10.782	156	4688	0.376	ug/l		88
73) n-propylbenzene	10.901	120	5133	0.340	ug/l		97
74) 2-Chlorotoluene	10.981	126	4503	0.344	ug/l		97
75) 1,3,5-Trimethylbenzene	11.081	105	16704	0.358	ug/l		100
76) 4-Chlorotoluene	11.097	126	4534	0.341	ug/l		86
77) tert-Butylbenzene	11.412	119	16972	0.368	ug/l		98
78) 1,2,4-Trimethylbenzene	11.464	105	15897	0.337	ug/l		98
79) sec-Butylbenzene	11.637	105	20490	0.341	ug/l		99
81) p-Isopropyltoluene	11.785	119	16642	0.334	ug/l		100
82) 1,3-Dichlorobenzene	11.746	146	8463	0.354	ug/l		98
83) 1,4-Dichlorobenzene	11.836	146	8664	0.364	ug/l		97
84) n-Butylbenzene	12.206	91	14353	0.311	ug/l		97
85) 1,2-Dichlorobenzene	12.209	146	8328	0.373	ug/l		97
86) 1,2-Dibromo-3-Chloropr...	13.004	75	509	0.335	ug/l		93
87) 1,2,4-Trichlorobenzene	13.843	180	4114	0.322	ug/l		97
88) Hexachlorobutadiene	14.013	225	2453	0.339	ug/l		98
89) Naphthalene	14.097	128	7165	0.318	ug/l	#	85
90) 1,2,3-Trichlorobenzene	14.328	180	3878	0.338	ug/l		93

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

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