Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
Data File : VU061148.D
Acq On : 17 Oct 2024 17:29
Operator : MD/SY
Sample : VU1017WBS01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 18 04:09:24 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 :
VU1017WBS01

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	27756	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14272	0.968	ug/l	0.00
Spiked Amount 1.000			Recovery = 97.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	14018	0.965	ug/l	0.00
Spiked Amount 1.000			Recovery = 96.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	31266	2.045	ug/l	98
3) Chloromethane	1.515	50	30784	2.117	ug/l	99
4) Vinyl Chloride	1.599	62	30386	2.034	ug/l	99
5) Bromomethane	1.853	94	18969	2.021	ug/l	99
6) Chloroethane	1.930	64	20733	2.071	ug/l	98
7) Trichlorofluoromethane	2.132	101	42208	1.986	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	21656	2.050	ug/l	99
9) 1,1-Dichloroethene	2.573	96	22976	2.086	ug/l	98
10) Iodomethane	2.714	142	25275	2.272	ug/l	99
11) Allyl Chloride	2.917	41	28720	2.025	ug/l	99
12) Acrylonitrile	3.335	53	9490m	4.285	ug/l	
13) Acetone	2.650	43	31144	10.781	ug/l	100
14) Carbon Disulfide	2.785	76	74809	1.972	ug/l	98
15) Methylene Chloride	3.039	84	36933	2.591	ug/l	99
16) trans-1,2-Dichloroethene	3.345	96	25484	1.973	ug/l	92
17) 1,1-Dichloroethane	3.859	63	46120	2.014	ug/l	99
18) 2-Butanone	4.718	43	37918	10.720	ug/l	99
19) Cyclohexane	5.380	56	41045m	2.001	ug/l	
20) Methylcyclohexane	6.753	83	44498	1.946	ug/l	96
21) 2,2-Dichloropropane	4.653	77	40464	1.916	ug/l	99
22) cis-1,2-Dichloroethene	4.660	96	27926	1.985	ug/l	98
23) Diethyl Ether	2.370	59	17501	2.045	ug/l	97
24) tert-Butyl Alcohol	3.258	59	16065m	17.993	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	59599	2.020	ug/l	100
26) Bromochloromethane	4.965	128	11737	1.995	ug/l	96
27) Chloroform	5.078	83	48491	2.019	ug/l	98
28) 1,1,1-Trichloroethane	5.306	97	43157	2.038	ug/l	99
29) 1,1-Dichloropropene	5.521	75	37680	2.013	ug/l	99
30) Carbon Tetrachloride	5.515	117	36773	2.002	ug/l	99
31) Isopropyl Ether	3.981	45	66395	2.032	ug/l	99
32) Ethyl-t-butyl ether	4.493	59	67869	2.021	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	60908	2.015	ug/l	98
34) Propionitrile	4.804	54	9013	10.681	ug/l #	92
35) Benzene	5.766	78	107345	2.037	ug/l	99
36) 1,2-Dichloroethane	5.788	62	31317	2.105	ug/l	99
37) Trichloroethene	6.537	130	28369	2.017	ug/l	99
38) 1,2-Dichloropropane	6.785	63	27670	2.073	ug/l	97
39) Methacrylonitrile	4.975	41	6047	1.990	ug/l #	94
40) Methyl acrylate	4.865	55	11254m	1.826	ug/l	
41) Tetrahydrofuran	5.065	42	7637	4.184	ug/l	93
42) 1-Chlorobutane	5.451	56	47278	1.969	ug/l	98
43) Dibromomethane	6.914	93	14178	2.049	ug/l	99
44) Bromodichloromethane	7.097	83	33007	1.962	ug/l	98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45)	4-Methyl-2-Pentanone	7.785	43	67069	9.656	ug/l		99
46)	t-1,4-Dichloro-2-butene	10.830	75	10808m	3.902	ug/l		
47)	Methyl methacrylate	6.959	69	24572	4.086	ug/l		98
48)	Ethyl methacrylate	8.328	69	25943	2.023	ug/l		97
49)	Toluene	7.962	92	67595	2.031	ug/l		100
50)	t-1,3-Dichloropropene	8.206	75	32376	1.996	ug/l		97
51)	cis-1,3-Dichloropropene	7.602	75	39296	1.974	ug/l		97
52)	1,1,2-Trichloroethane	8.393	97	18512	1.984	ug/l		98
53)	1,3-Dichloropropane	8.566	76	33354	2.035	ug/l		99
54)	2-Hexanone	8.682	43	56140	9.839	ug/l		98
55)	Dibromochloromethane	8.801	129	22209	2.016	ug/l		99
56)	1,2-Dibromoethane	8.917	107	18069	2.018	ug/l		98
58)	Tetrachloroethene	8.547	164	25453	2.135	ug/l		95
59)	Chlorobenzene	9.441	112	70974	1.980	ug/l		98
60)	1,1,1,2-Tetrachloroethane	9.524	131	24333	2.012	ug/l		97
61)	Pentachloroethane	11.418	117	16466	1.779	ug/l		98
62)	Hexachloroethane	12.466	117	17533	1.838	ug/l		100
63)	Ethyl Benzene	9.563	91	126953	1.976	ug/l		99
64)	m/p-Xylenes	9.685	106	96258	3.938	ug/l		99
65)	o-Xylene	10.094	106	48017	1.994	ug/l		98
66)	Styrene	10.110	104	73009	1.950	ug/l		99
67)	Bromoform	10.283	173	11071	1.919	ug/l		98
69)	Isopropylbenzene	10.476	105	111500	1.947	ug/l		100
70)	1,1,2,2-Tetrachloroethane	10.772	83	22580	1.992	ug/l		99
71)	1,2,3-Trichloropropane	10.817	75	16826m	1.823	ug/l		
72)	Bromobenzene	10.778	156	26350	1.913	ug/l		80
73)	n-propylbenzene	10.897	120	32314	1.933	ug/l		99
74)	2-Chlorotoluene	10.981	126	28851	1.996	ug/l		99
75)	1,3,5-Trimethylbenzene	11.081	105	101531	1.966	ug/l		100
76)	4-Chlorotoluene	11.090	126	28872	1.965	ug/l		98
77)	tert-Butylbenzene	11.412	119	98856	1.937	ug/l		97
78)	1,2,4-Trimethylbenzene	11.460	105	100519	1.928	ug/l		99
79)	sec-Butylbenzene	11.634	105	129850	1.953	ug/l		99
80)	Nitrobenzene	13.229	77	1809	9.606	ug/l	#	71
81)	p-Isopropyltoluene	11.785	119	105369	1.914	ug/l		99
82)	1,3-Dichlorobenzene	11.740	146	51826	1.961	ug/l		99
83)	1,4-Dichlorobenzene	11.830	146	50087	1.901	ug/l		99
84)	n-Butylbenzene	12.200	91	95404	1.868	ug/l		99
85)	1,2-Dichlorobenzene	12.206	146	47827	1.936	ug/l		99
86)	1,2-Dibromo-3-Chloropr...	12.997	75	3527	2.097	ug/l		92
87)	1,2,4-Trichlorobenzene	13.836	180	26934	1.906	ug/l		97
88)	Hexachlorobutadiene	14.013	225	15633	1.957	ug/l		98
89)	Naphthalene	14.084	128	46105	1.849	ug/l		98
90)	1,2,3-Trichlorobenzene	14.325	180	24318	1.916	ug/l		98

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

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