Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101824\
Data File : VU061155.D
Acq On : 18 Oct 2024 09:46
Operator : MD/SY
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 18 23:44:14 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 :
ICVVU101824

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	6.107	96	29757	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15967	1.010	ug/l	0.00
Spiked Amount 1.000			Recovery = 101.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	16155	1.037	ug/l	0.00
Spiked Amount 1.000			Recovery = 104.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	107079	6.533	ug/l	99
3) Chloromethane	1.515	50	123026	7.890	ug/l	98
4) Vinyl Chloride	1.599	62	133901	8.361	ug/l	99
5) Bromomethane	1.853	94	69890	6.946	ug/l	96
6) Chloroethane	1.930	64	101214	9.432	ug/l	98
7) Trichlorofluoromethane	2.126	101	317101	13.920	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	118175	10.434	ug/l	98
9) 1,1-Dichloroethene	2.570	96	117837	9.980	ug/l	98
10) Iodomethane	2.711	142	155065	9.320	ug/l	100
11) Allyl Chloride	2.911	41	154510	10.160	ug/l	98
12) Acrylonitrile	3.316	53	116183	48.929	ug/l	98
13) Acetone	2.647	43	122550	39.570	ug/l	100
14) Carbon Disulfide	2.782	76	362873	8.920	ug/l	99
15) Methylene Chloride	3.036	84	134804	8.823	ug/l	97
16) trans-1,2-Dichloroethene	3.341	96	133010	9.606	ug/l	99
17) 1,1-Dichloroethane	3.856	63	245083	9.983	ug/l	99
18) 2-Butanone	4.708	43	151975	40.078	ug/l	99
19) Cyclohexane	5.377	56	216321m	9.836	ug/l	
20) Methylcyclohexane	6.753	83	249453	10.174	ug/l	99
21) 2,2-Dichloropropane	4.650	77	221766	9.792	ug/l	99
22) cis-1,2-Dichloroethene	4.653	96	155090	10.282	ug/l	99
23) Diethyl Ether	2.367	59	84288	9.188	ug/l	97
24) tert-Butyl Alcohol	3.338	59	55058m	57.517	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	316424	10.004	ug/l	99
26) Bromochloromethane	4.962	128	58335	9.248	ug/l	97
27) Chloroform	5.075	83	252665	9.814	ug/l	100
28) 1,1,1-Trichloroethane	5.303	97	228007	10.045	ug/l	99
29) 1,1-Dichloropropene	5.515	75	189639	9.451	ug/l	99
30) Carbon Tetrachloride	5.512	117	197198	10.013	ug/l	99
31) Isopropyl Ether	3.978	45	357184	10.198	ug/l #	1
34) Propionitrile	4.788	54	92148	101.858	ug/l #	97
35) Benzene	5.763	78	558419	9.886	ug/l	99
36) 1,2-Dichloroethane	5.782	62	156831	9.834	ug/l	100
37) Trichloroethene	6.534	130	145868	9.675	ug/l	100
38) 1,2-Dichloropropane	6.779	63	139353	9.740	ug/l	99
39) Methacrylonitrile	4.968	41	34063	10.455	ug/l	97
40) Methyl acrylate	4.843	55	70619m	10.688	ug/l	
41) Tetrahydrofuran	5.052	42	93728	47.898	ug/l	97
42) 1-Chlorobutane	5.448	56	254143	9.875	ug/l	99
43) Dibromomethane	6.910	93	73576	9.918	ug/l	99
44) Bromodichloromethane	7.097	83	186594	10.344	ug/l	98
45) 4-Methyl-2-Pentanone	7.782	43	362713	48.708	ug/l	100
46) t-1,4-Dichloro-2-butene	10.830	75	30253m	10.189	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.955	69	64636	10.026	ug/l	98
48) Ethyl methacrylate	8.325	69	134891	9.812	ug/l	97
49) Toluene	7.959	92	355557	9.964	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	179329	10.311	ug/l	100
51) cis-1,3-Dichloropropene	7.599	75	217820	10.207	ug/l	98
52) 1,1,2-Trichloroethane	8.390	97	99003	9.896	ug/l	98
53) 1,3-Dichloropropane	8.566	76	172018	9.789	ug/l	99
54) 2-Hexanone	8.679	43	266718	43.600	ug/l	99
55) Dibromochloromethane	8.801	129	118239	10.011	ug/l	99
56) 1,2-Dibromoethane	8.914	107	95355	9.934	ug/l	98
58) Tetrachloroethene	8.544	164	126875	9.925	ug/l	98
59) Chlorobenzene	9.438	112	370170	9.631	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.525	131	130207	10.041	ug/l	99
61) Pentachloroethane	11.418	117	106115	10.693	ug/l	99
62) Hexachloroethane	12.467	117	110153	10.773	ug/l	98
63) Ethyl Benzene	9.563	91	696777	10.118	ug/l	100
64) m/p-Xylenes	9.685	106	537938	20.526	ug/l	100
65) o-Xylene	10.090	106	259991	10.072	ug/l	97
66) Styrene	10.107	104	416836	10.382	ug/l	99
67) Bromoform	10.283	173	65634	10.612	ug/l	98
69) Isopropylbenzene	10.476	105	686204	11.175	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	122549	10.085	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	93203m	9.418	ug/l	
72) Bromobenzene	10.775	156	147001	9.955	ug/l	99
73) n-propylbenzene	10.897	120	186788	10.424	ug/l	99
74) 2-Chlorotoluene	10.978	126	160174	10.335	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	590162	10.659	ug/l	99
76) 4-Chlorotoluene	11.090	126	161283	10.239	ug/l	97
77) tert-Butylbenzene	11.412	119	568801	10.393	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	584693	10.460	ug/l	99
79) sec-Butylbenzene	11.634	105	750866	10.535	ug/l	100
80) Nitrobenzene	13.212	77	2737m	11.691	ug/l	
81) p-Isopropyltoluene	11.785	119	622213	10.545	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	299774	10.582	ug/l	100
83) 1,4-Dichlorobenzene	11.827	146	300331	10.633	ug/l	99
84) n-Butylbenzene	12.200	91	597272	10.910	ug/l	99
85) 1,2-Dichlorobenzene	12.203	146	276122	10.425	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	19931	11.054	ug/l	98
87) 1,2,4-Trichlorobenzene	13.830	180	175200	11.566	ug/l	99
88) Hexachlorobutadiene	14.013	225	90675	10.587	ug/l	98
89) Naphthalene	14.077	128	300903	11.257	ug/l	100
90) 1,2,3-Trichlorobenzene	14.322	180	146206	10.744	ug/l	100

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

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