Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101624\
Data File : VU061134.D
Acq On : 16 Oct 2024 10:51
Operator : MD/SY
Sample : VSTDICC002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 17 04:51:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101624DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 17 04:49:29 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/17/2024
Supervised By :Semsettin Yesilyurt 10/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	29081	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15492	1.032	ug/l	0.00
Spiked Amount 1.000			Recovery = 103.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	14385	0.984	ug/l	0.00
Spiked Amount 1.000			Recovery = 98.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	11419	2.016	ug/l	99
3) Chloromethane	1.515	50	7689	1.980	ug/l	95
4) Vinyl Chloride	1.602	62	9246	2.025	ug/l	99
5) Bromomethane	1.853	94	5708	1.864	ug/l	100
6) Chloroethane	1.930	64	8750	1.839	ug/l	99
7) Trichlorofluoromethane	2.132	101	21630	1.969	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	14395	2.033	ug/l	98
9) 1,1-Dichloroethene	2.576	96	9983	1.984	ug/l	93
10) Iodomethane	2.714	142	8276	1.819	ug/l	100
11) Allyl Chloride	2.920	41	16381	2.016	ug/l	98
12) Acrylonitrile	3.328	53	8283m	4.051	ug/l	
13) Acetone	2.637	43	29537	9.365	ug/l	93
14) Carbon Disulfide	2.788	76	7684	1.913	ug/l	96
15) Methylene Chloride	3.039	84	16624	1.923	ug/l	93
16) trans-1,2-Dichloroethene	3.348	96	11260	1.982	ug/l	88
17) 1,1-Dichloroethane	3.859	63	34258	2.011	ug/l	99
18) 2-Butanone	4.714	43	36604m	10.194	ug/l	
19) Cyclohexane	5.377	56	14310m	1.999	ug/l	
20) Methylcyclohexane	6.750	83	18000	1.976	ug/l	96
21) 2,2-Dichloropropane	4.653	77	32858	1.990	ug/l	100
22) cis-1,2-Dichloroethene	4.660	96	19120	1.988	ug/l	99
23) Diethyl Ether	2.370	59	10991	1.996	ug/l	96
24) tert-Butyl Alcohol	3.216	59	19100	20.651	ug/l #	89
25) Methyl tert-Butyl Ether	3.354	73	51557	2.037	ug/l	99
26) Bromochloromethane	4.965	128	8166	2.038	ug/l	99
27) Chloroform	5.078	83	41485	2.025	ug/l	96
28) 1,1,1-Trichloroethane	5.306	97	31916	1.969	ug/l	98
29) 1,1-Dichloropropene	5.521	75	18672	1.988	ug/l	95
30) Carbon Tetrachloride	5.515	117	24847	1.989	ug/l	97
31) Isopropyl Ether	3.981	45	55117	1.980	ug/l	98
32) Ethyl-t-butyl ether	4.489	59	59027	2.004	ug/l	100
33) Tert-Amyl methyl ether	5.930	73	54195	1.980	ug/l	100
34) Propionitrile	4.791	54	8781m	10.509	ug/l	
35) Benzene	5.766	78	64937	1.969	ug/l	99
36) 1,2-Dichloroethane	5.788	62	23305	2.049	ug/l	99
37) Trichloroethene	6.534	130	17765	1.944	ug/l	89
38) 1,2-Dichloropropane	6.785	63	21459	1.958	ug/l	96
39) Methacrylonitrile	4.984	41	5526	1.950	ug/l	95
40) Methyl acrylate	4.865	55	9433	1.977	ug/l #	92
41) Tetrahydrofuran	5.065	42	6559m	4.295	ug/l	
42) 1-Chlorobutane	5.451	56	25600	1.930	ug/l	98
43) Dibromomethane	6.914	93	10192	1.998	ug/l	99
44) Bromodichloromethane	7.097	83	31038	2.006	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	65141	9.740	ug/l	99
46) t-1,4-Dichloro-2-butene	10.827	75	11204m	3.916	ug/l	
47) Methyl methacrylate	6.959	69	20814	3.991	ug/l	98
48) Ethyl methacrylate	8.328	69	20819	1.913	ug/l	98
49) Toluene	7.962	92	44857	2.002	ug/l	100
50) t-1,3-Dichloropropene	8.206	75	27212	1.998	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	30989	1.954	ug/l	100
52) 1,1,2-Trichloroethane	8.393	97	17822	2.062	ug/l	96
53) 1,3-Dichloropropane	8.569	76	27940	1.996	ug/l	96
54) 2-Hexanone	8.679	43	56120	9.540	ug/l	98
55) Dibromochloromethane	8.801	129	20798	1.993	ug/l	98
56) 1,2-Dibromoethane	8.917	107	14675	2.015	ug/l	98
58) Tetrachloroethene	8.547	164	15862	1.985	ug/l	98
59) Chlorobenzene	9.441	112	58052	1.999	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	22542	1.990	ug/l	98
61) Pentachloroethane	11.418	117	16871	1.933	ug/l	98
62) Hexachloroethane	12.466	117	17156	1.885	ug/l	98
63) Ethyl Benzene	9.563	91	97592	1.966	ug/l	97
64) m/p-Xylenes	9.685	106	73564	3.983	ug/l	99
65) o-Xylene	10.093	106	38543	1.973	ug/l	99
66) Styrene	10.110	104	61047	1.961	ug/l	98
67) Bromoform	10.283	173	10550	1.880	ug/l	99
69) Isopropylbenzene	10.476	105	104860	1.975	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.772	83	22404	1.971	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	15926m	1.801	ug/l	
72) Bromobenzene	10.775	156	23173	1.994	ug/l	82
73) n-propylbenzene	10.897	120	27290	1.967	ug/l	100
74) 2-Chlorotoluene	10.978	126	24625	1.954	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	87365	1.960	ug/l	100
76) 4-Chlorotoluene	11.090	126	25548	2.000	ug/l	94
77) tert-Butylbenzene	11.409	119	91596	1.974	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	87811	1.929	ug/l	98
79) sec-Butylbenzene	11.634	105	116814	1.947	ug/l	99
80) Nitrobenzene	13.219	77	2218m	10.411	ug/l	
81) p-Isopropyltoluene	11.785	119	94449	1.941	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	48044	1.963	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	48343	1.988	ug/l	98
84) n-Butylbenzene	12.200	91	90535	1.933	ug/l	100
85) 1,2-Dichlorobenzene	12.206	146	45917	1.947	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	3351	1.893	ug/l	97
87) 1,2,4-Trichlorobenzene	13.836	180	26627	1.892	ug/l	100
88) Hexachlorobutadiene	14.010	225	15417	1.973	ug/l	98
89) Naphthalene	14.084	128	43456	1.839	ug/l	97
90) 1,2,3-Trichlorobenzene	14.322	180	22867	1.920	ug/l	97

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

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