Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061224\
Data File : VU059217.D
Acq On : 12 Jun 2024 11:46
Operator : MD/SY
Sample : VU0612WBSD01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0612WBSD01

Quant Time: Jun 13 03:01:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jun 06 08:51:44 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	45898	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	15807	1.012	ug/l	0.00
Spiked Amount 1.000			Recovery = 101.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	16873	1.032	ug/l	0.00
Spiked Amount 1.000			Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	28970	2.015	ug/l	95
3) Chloromethane	1.515	50	34105	1.970	ug/l	99
4) Vinyl Chloride	1.599	62	35400	2.024	ug/l	100
5) Bromomethane	1.853	94	22611	2.127	ug/l	95
6) Chloroethane	1.930	64	21660	1.925	ug/l	98
7) Trichlorofluoromethane	2.136	101	41151	1.896	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	23757	2.129	ug/l	98
9) 1,1-Dichloroethene	2.573	96	23585	2.133	ug/l	92
10) Iodomethane	2.715	142	30387	2.180	ug/l	97
11) Allyl Chloride	2.917	41	28782	1.926	ug/l	99
12) Acrylonitrile	3.332	53	9977m	3.995	ug/l	
13) Acetone	2.641	43	30450	8.012	ug/l	99
14) Carbon Disulfide	2.789	76	71576	2.032	ug/l	99
15) Methylene Chloride	3.039	84	30915	2.040	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	25511	2.115	ug/l	100
17) 1,1-Dichloroethane	3.859	63	50171	1.986	ug/l	97
18) 2-Butanone	4.711	43	36511m	8.660	ug/l	
19) Cyclohexane	5.380	56	35826m	1.960	ug/l	
20) Methylcyclohexane	6.756	83	36417	1.982	ug/l	98
21) 2,2-Dichloropropane	4.657	77	36351	1.946	ug/l	99
22) cis-1,2-Dichloroethene	4.663	96	26843	2.048	ug/l	97
23) Diethyl Ether	2.371	59	21108	2.036	ug/l	95
24) tert-Butyl Alcohol	3.223	59	15018m	22.585	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	52547	1.982	ug/l	98
26) Bromochloromethane	4.972	128	12448	2.248	ug/l	91
27) Chloroform	5.081	83	51761	2.038	ug/l	98
28) 1,1,1-Trichloroethane	5.309	97	40350	2.015	ug/l	99
29) 1,1-Dichloropropene	5.522	75	35100	2.092	ug/l	97
30) Carbon Tetrachloride	5.515	117	33764	2.056	ug/l	98
31) Isopropyl Ether	3.981	45	62921	1.899	ug/l	95
32) Ethyl-t-butyl ether	4.493	59	60444	1.961	ug/l	97
33) Tert-Amyl methyl ether	5.933	73	53898	1.981	ug/l	100
34) Propionitrile	4.801	54	10181m	10.542	ug/l	
35) Benzene	5.769	78	107461	2.037	ug/l	99
36) 1,2-Dichloroethane	5.788	62	32339	2.067	ug/l	100
37) Trichloroethene	6.538	130	27748	2.202	ug/l	91
38) 1,2-Dichloropropane	6.785	63	29204	1.949	ug/l	95
39) Methacrylonitrile	4.975	41	7086	1.968	ug/l #	90
40) Methyl acrylate	4.856	55	12258m	1.943	ug/l	
41) Tetrahydrofuran	5.059	42	7611	3.951	ug/l	97
42) 1-Chlorobutane	5.451	56	45971	1.983	ug/l	100
43) Dibromomethane	6.914	93	14692	2.166	ug/l	95
44) Bromodichloromethane	7.100	83	35423	2.015	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	7.785	43	67440	9.273	ug/l		98
46) t-1,4-Dichloro-2-butene	10.827	75	12856m	4.165	ug/l		
47) Methyl methacrylate	6.959	69	24043	4.127	ug/l		94
48) Ethyl methacrylate	8.329	69	19669	1.911	ug/l		98
49) Toluene	7.965	92	59594	2.051	ug/l		98
50) t-1,3-Dichloropropene	8.206	75	28956	1.925	ug/l		98
51) cis-1,3-Dichloropropene	7.605	75	37584	2.040	ug/l		94
52) 1,1,2-Trichloroethane	8.396	97	20327	2.028	ug/l		98
53) 1,3-Dichloropropane	8.570	76	34596	2.003	ug/l		97
54) 2-Hexanone	8.682	43	48440	8.991	ug/l		99
55) Dibromochloromethane	8.804	129	22657	2.088	ug/l		99
56) 1,2-Dibromoethane	8.920	107	17511	1.992	ug/l		95
58) Tetrachloroethene	8.547	164	25347	2.182	ug/l		96
59) Chlorobenzene	9.441	112	69610	2.189	ug/l		99
60) 1,1,1,2-Tetrachloroethane	9.528	131	23360	2.051	ug/l		99
61) Pentachloroethane	11.422	117	17294	1.958	ug/l		96
62) Hexachloroethane	12.470	117	18016	2.006	ug/l		98
63) Ethyl Benzene	9.563	91	108104	2.014	ug/l		100
64) m/p-Xylenes	9.689	106	83260	4.112	ug/l		96
65) o-Xylene	10.097	106	42044	2.106	ug/l		94
66) Styrene	10.110	104	64390	2.005	ug/l		98
67) Bromoform	10.283	173	12225	2.081	ug/l		99
69) Isopropylbenzene	10.480	105	105477	2.062	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.775	83	25877	2.053	ug/l		99
71) 1,2,3-Trichloropropane	10.820	75	17337m	1.802	ug/l		
72) Bromobenzene	10.779	156	27031	2.204	ug/l		94
73) n-propylbenzene	10.901	120	28798	2.062	ug/l		94
74) 2-Chlorotoluene	10.981	126	26052	2.084	ug/l		98
75) 1,3,5-Trimethylbenzene	11.084	105	89876	2.044	ug/l		98
76) 4-Chlorotoluene	11.094	126	27323	2.091	ug/l		97
77) tert-Butylbenzene	11.415	119	84062	2.047	ug/l		99
78) 1,2,4-Trimethylbenzene	11.463	105	88899	2.000	ug/l		97
79) sec-Butylbenzene	11.637	105	120437	2.067	ug/l		98
80) Nitrobenzene	13.216	77	2985	10.904	ug/l	#	95
81) p-Isopropyltoluene	11.788	119	93679	2.081	ug/l		98
82) 1,3-Dichlorobenzene	11.743	146	57358	2.207	ug/l		99
83) 1,4-Dichlorobenzene	11.833	146	55413	2.133	ug/l		99
84) n-Butylbenzene	12.203	91	88800	2.084	ug/l		99
85) 1,2-Dichlorobenzene	12.206	146	53394	2.177	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	3657	2.132	ug/l		94
87) 1,2,4-Trichlorobenzene	13.836	180	29973	2.283	ug/l		97
88) Hexachlorobutadiene	14.013	225	18746	2.288	ug/l		98
89) Naphthalene	14.084	128	43315	2.028	ug/l		98
90) 1,2,3-Trichlorobenzene	14.325	180	27077	2.268	ug/l		98

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

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