

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060524\
 Data File : VU059154.D
 Acq On : 05 Jun 2024 17:38
 Operator : MD/SY
 Sample : VU0605WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0605WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/10/2024
 Supervised By :Semsettin Yesilyurt 06/10/2024

Quant Time: Jun 06 03:46:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U060524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jun 06 03:28:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	6.113	96	42248	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	13912	0.968	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14735	0.979	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	26196	1.979	ug/l	99
3) Chloromethane	1.515	50	31684	1.989	ug/l	100
4) Vinyl Chloride	1.599	62	32422	2.013	ug/l	98
5) Bromomethane	1.853	94	20629	2.108	ug/l	97
6) Chloroethane	1.930	64	19863	1.917	ug/l	97
7) Trichlorofluoromethane	2.132	101	36261	1.815	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	19962	1.944	ug/l	99
9) 1,1-Dichloroethene	2.576	96	20393	2.004	ug/l	90
10) Iodomethane	2.714	142	23318	1.826	ug/l	99
11) Allyl Chloride	2.917	41	26986	1.962	ug/l	100
12) Acrylonitrile	3.332	53	10638	4.627	ug/l	93
13) Acetone	2.644	43	21728m	6.211	ug/l	
14) Carbon Disulfide	2.785	76	62442	1.925	ug/l	98
15) Methylene Chloride	3.039	84	37937	2.719	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	22175	1.997	ug/l	96
17) 1,1-Dichloroethane	3.862	63	45569	1.960	ug/l	97
18) 2-Butanone	4.721	43	34990m	9.017	ug/l	
19) Cyclohexane	5.383	56	32167m	1.912	ug/l	
20) Methylcyclohexane	6.759	83	31737	1.877	ug/l	98
21) 2,2-Dichloropropane	4.656	77	32469	1.888	ug/l	100
22) cis-1,2-Dichloroethene	4.663	96	23803	1.973	ug/l	99
23) Diethyl Ether	2.370	59	19629	2.057	ug/l	98
24) tert-Butyl Alcohol	3.222	59	12089m	18.512	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	50654	2.076	ug/l	98
26) Bromochloromethane	4.965	128	10451	2.051	ug/l	96
27) Chloroform	5.081	83	45976	1.967	ug/l	92
28) 1,1,1-Trichloroethane	5.309	97	36749	1.994	ug/l	99
29) 1,1-Dichloropropene	5.525	75	31253	2.024	ug/l	98
30) Carbon Tetrachloride	5.518	117	29773	1.970	ug/l	99
31) Isopropyl Ether	3.988	45	58698	1.925	ug/l	95
32) Ethyl-t-butyl ether	4.492	59	56461	1.990	ug/l	97
33) Tert-Amyl methyl ether	5.933	73	50457	2.015	ug/l	98
34) Propionitrile	4.801	54	9866m	11.098	ug/l	
35) Benzene	5.769	78	95392	1.964	ug/l	99
36) 1,2-Dichloroethane	5.788	62	28788	1.999	ug/l	100
37) Trichloroethene	6.541	130	22784	1.964	ug/l	99
38) 1,2-Dichloropropane	6.785	63	27576	1.999	ug/l	96
39) Methacrylonitrile	4.978	41	6971	2.103	ug/l	96
40) Methyl acrylate	4.859	55	13189m	2.271	ug/l	
41) Tetrahydrofuran	5.061	42	7870	4.439	ug/l	93
42) 1-Chlorobutane	5.451	56	43377	2.032	ug/l	98
43) Dibromomethane	6.917	93	13136	2.104	ug/l	99
44) Bromodichloromethane	7.100	83	33518	2.072	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	70522	10.534	ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	10826m	3.811	ug/l	
47) Methyl methacrylate	6.959	69	22826	4.257	ug/l	96
48) Ethyl methacrylate	8.331	69	18828	1.987	ug/l	95
49) Toluene	7.965	92	52766	1.973	ug/l	98
50) t-1,3-Dichloropropene	8.206	75	27693	2.000	ug/l	98
51) cis-1,3-Dichloropropene	7.605	75	33235	1.960	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	19374	2.100	ug/l	96
53) 1,3-Dichloropropane	8.569	76	32890	2.069	ug/l	99
54) 2-Hexanone	8.682	43	47311	9.409	ug/l	96
55) Dibromochloromethane	8.804	129	20185	2.021	ug/l	98
56) 1,2-Dibromoethane	8.920	107	16692	2.063	ug/l	100
58) Tetrachloroethene	8.550	164	22215	2.078	ug/l	97
59) Chlorobenzene	9.444	112	57456	1.963	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	20204	1.927	ug/l	98
61) Pentachloroethane	11.418	117	15504	1.907	ug/l	93
62) Hexachloroethane	12.470	117	14980	1.812	ug/l	97
63) Ethyl Benzene	9.566	91	91352	1.849	ug/l	100
64) m/p-Xylenes	9.688	106	69572	3.733	ug/l	98
65) o-Xylene	10.097	106	33856	1.842	ug/l	99
66) Styrene	10.113	104	55303	1.898	ug/l	100
67) Bromoform	10.286	173	10957	2.026	ug/l	95
69) Isopropylbenzene	10.479	105	87907	1.867	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	24707	2.130	ug/l	98
71) 1,2,3-Trichloropropane	10.820	75	21421m	2.419	ug/l	
72) Bromobenzene	10.778	156	22142	1.962	ug/l	98
73) n-propylbenzene	10.900	120	23635	1.878	ug/l	100
74) 2-Chlorotoluene	10.981	126	22563	1.961	ug/l	98
75) 1,3,5-Trimethylbenzene	11.084	105	74054	1.872	ug/l	99
76) 4-Chlorotoluene	11.093	126	23158	1.925	ug/l	100
77) tert-Butylbenzene	11.415	119	71135	1.882	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	75861	1.884	ug/l	98
79) sec-Butylbenzene	11.640	105	97714	1.866	ug/l	100
80) Nitrobenzene	13.219	77	2606m	10.490	ug/l	
81) p-Isopropyltoluene	11.788	119	72507	1.820	ug/l	98
82) 1,3-Dichlorobenzene	11.743	146	45511	1.903	ug/l	96
83) 1,4-Dichlorobenzene	11.833	146	46357	1.938	ug/l	99
84) n-Butylbenzene	12.206	91	62394	1.702	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	44241	1.960	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	3584	2.270	ug/l	93
87) 1,2,4-Trichlorobenzene	13.836	180	21708	1.796	ug/l	98
88) Hexachlorobutadiene	14.016	225	14299	1.896	ug/l	97
89) Naphthalene	14.084	128	33784	1.761	ug/l	97
90) 1,2,3-Trichlorobenzene	14.325	180	20246	1.843	ug/l	98

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

