

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
 Data File : VU061146.D
 Acq On : 17 Oct 2024 15:39
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICSVU101724

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/21/2024
 Supervised By : Mahesh Dadoda 10/21/2024

Quant Time: Oct 18 02:58:58 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

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

Internal Standards						
1) Fluorobenzene	6.110	96	33825	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	17201	0.957	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	17709	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	91756	4.925	ug/l	98
3) Chloromethane	1.515	50	112778	6.363	ug/l	99
4) Vinyl Chloride	1.602	62	124809	6.856	ug/l	100
5) Bromomethane	1.853	94	70035	6.123	ug/l	100
6) Chloroethane	1.930	64	107693	8.829	ug/l	99
7) Trichlorofluoromethane	2.126	101	295590	11.415	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	130725	10.154	ug/l	99
9) 1,1-Dichloroethene	2.567	96	123662	9.214	ug/l	98
10) Iodomethane	2.711	142	149466	8.021	ug/l	100
11) Allyl Chloride	2.911	41	171206	9.904	ug/l	97
12) Acrylonitrile	3.316	53	139858	51.816	ug/l	98
13) Acetone	2.650	43	164234	46.652	ug/l	97
14) Carbon Disulfide	2.782	76	286001	6.185	ug/l	99
15) Methylene Chloride	3.033	84	156810	9.029	ug/l	98
16) trans-1,2-Dichloroethene	3.341	96	131277	8.341	ug/l	98
17) 1,1-Dichloroethane	3.856	63	274545	9.838	ug/l	99
18) 2-Butanone	4.708	43	196014	45.475	ug/l	100
19) Cyclohexane	5.377	56	204155m	8.167	ug/l	
20) Methylcyclohexane	6.753	83	250002	8.970	ug/l	100
21) 2,2-Dichloropropane	4.650	77	256920	9.980	ug/l	100
22) cis-1,2-Dichloroethene	4.653	96	177244	10.337	ug/l	99
23) Diethyl Ether	2.367	59	94318	9.045	ug/l	98
24) tert-Butyl Alcohol	3.341	59	66671m	61.273	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	369556	10.279	ug/l	100
26) Bromochloromethane	4.962	128	62156	8.669	ug/l	96
27) Chloroform	5.074	83	293774	10.039	ug/l	100
28) 1,1,1-Trichloroethane	5.303	97	257060	9.963	ug/l	99
29) 1,1-Dichloropropene	5.515	75	189722	8.318	ug/l	100
30) Carbon Tetrachloride	5.515	117	215317	9.619	ug/l	99
31) Isopropyl Ether	3.981	45	419655	10.540	ug/l	# 1
34) Propionitrile	4.788	54	120606	117.282	ug/l	96
35) Benzene	5.763	78	609645	9.495	ug/l	99
36) 1,2-Dichloroethane	5.782	62	168249	9.281	ug/l	100
37) Trichloroethene	6.531	130	151573	8.844	ug/l	98
38) 1,2-Dichloropropane	6.779	63	152625	9.385	ug/l	98
39) Methacrylonitrile	4.968	41	41227	11.132	ug/l	97
40) Methyl acrylate	4.840	55	80278	10.689	ug/l	# 95
41) Tetrahydrofuran	5.052	42	108699	48.869	ug/l	98
42) 1-Chlorobutane	5.447	56	272688	9.321	ug/l	99
43) Dibromomethane	6.910	93	82746	9.813	ug/l	99
44) Bromodichloromethane	7.094	83	222493	10.850	ug/l	99
45) 4-Methyl-2-Pentanone	7.785	43	451531	53.343	ug/l	100
46) t-1,4-Dichloro-2-butene	10.830	75	38176m	11.311	ug/l	

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47) Methyl methacrylate	6.955	69	75432	10.293	ug/l	97
48) Ethyl methacrylate	8.325	69	163895	10.488	ug/l	100
49) Toluene	7.962	92	393240	9.695	ug/l	99
50) t-1,3-Dichloropropene	8.203	75	202061	10.221	ug/l	99
51) cis-1,3-Dichloropropene	7.598	75	236634	9.755	ug/l	99
52) 1,1,2-Trichloroethane	8.389	97	113674	9.996	ug/l	99
53) 1,3-Dichloropropane	8.566	76	191277	9.576	ug/l	99
54) 2-Hexanone	8.682	43	351850	50.599	ug/l	99
55) Dibromochloromethane	8.801	129	144732	10.780	ug/l	98
56) 1,2-Dibromoethane	8.917	107	105147	9.636	ug/l	98
58) Tetrachloroethene	8.544	164	137896	9.490	ug/l	98
59) Chlorobenzene	9.438	112	441954	10.115	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.524	131	148938	10.104	ug/l	99
61) Pentachloroethane	11.418	117	129904	11.516	ug/l	100
62) Hexachloroethane	12.466	117	134489	11.572	ug/l	98
63) Ethyl Benzene	9.563	91	785732	10.038	ug/l	99
64) m/p-Xylenes	9.685	106	605187	20.314	ug/l	100
65) o-Xylene	10.094	106	298183	10.162	ug/l	99
66) Styrene	10.106	104	498227	10.917	ug/l	99
67) Bromoform	10.283	173	78554	11.174	ug/l	99
69) Isopropylbenzene	10.476	105	788322	11.294	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	143553	10.392	ug/l	99
71) 1,2,3-Trichloropropane	10.817	75	115359m	10.255	ug/l	
72) Bromobenzene	10.775	156	174115	10.374	ug/l	99
73) n-propylbenzene	10.897	120	212573	10.436	ug/l	99
74) 2-Chlorotoluene	10.978	126	187731	10.656	ug/l	100
75) 1,3,5-Trimethylbenzene	11.081	105	677793	10.769	ug/l	99
76) 4-Chlorotoluene	11.090	126	189421	10.579	ug/l	98
77) tert-Butylbenzene	11.412	119	683794	10.992	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	670839	10.558	ug/l	100
79) sec-Butylbenzene	11.634	105	885454	10.929	ug/l	100
80) Nitrobenzene	13.212	77	3510m	12.608	ug/l	
81) p-Isopropyltoluene	11.785	119	733480	10.936	ug/l	99
82) 1,3-Dichlorobenzene	11.737	146	356563	11.073	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	351821	10.958	ug/l	99
84) n-Butylbenzene	12.200	91	699259	11.237	ug/l	100
85) 1,2-Dichlorobenzene	12.206	146	332851	11.056	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.991	75	23486	11.459	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	213865	12.421	ug/l	99
88) Hexachlorobutadiene	14.013	225	107318	11.023	ug/l	99
89) Naphthalene	14.081	128	378416	12.454	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	181233	11.716	ug/l	99

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

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