

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
 Data File : VU061140.D
 Acq On : 17 Oct 2024 11:24
 Operator : MD/SY
 Sample : VSTDICC0.5
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

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

Quant Time: Oct 18 02:33:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 18 02:32:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	28264	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	14166	0.943	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	13646	0.922	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	7308	0.469	ug/l	99
3) Chloromethane	1.518	50	7296	0.493	ug/l	99
4) Vinyl Chloride	1.602	62	7163	0.471	ug/l	95
5) Bromomethane	1.856	94	4958	0.519	ug/l	93
6) Chloroethane	1.930	64	5264	0.516	ug/l	96
7) Trichlorofluoromethane	2.132	101	9478	0.438	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	5027	0.467	ug/l	99
9) 1,1-Dichloroethene	2.576	96	5154	0.460	ug/l	95
11) Allyl Chloride	2.917	41	6989	0.484	ug/l	99
12) Acrylonitrile	3.348	53	2076m	0.920	ug/l	
13) Acetone	2.640	43	6825	2.320	ug/l	90
14) Carbon Disulfide	2.788	76	18721	0.485	ug/l	98
15) Methylene Chloride	3.039	84	8610	0.593	ug/l	97
16) trans-1,2-Dichloroethene	3.351	96	6262	0.476	ug/l	94
17) 1,1-Dichloroethane	3.865	63	10552	0.453	ug/l	97
18) 2-Butanone	4.740	43	8661m	2.474	ug/l	
19) Cyclohexane	5.380	56	9696m	0.464	ug/l	
20) Methylcyclohexane	6.756	83	10139	0.435	ug/l	91
21) 2,2-Dichloropropane	4.656	77	10922	0.508	ug/l	94
22) cis-1,2-Dichloroethene	4.666	96	6557	0.458	ug/l	96
23) Diethyl Ether	2.373	59	4302	0.494	ug/l	96
25) Methyl tert-Butyl Ether	3.357	73	14567	0.485	ug/l	97
26) Bromochloromethane	4.971	128	2872	0.479	ug/l	93
27) Chloroform	5.084	83	11519	0.471	ug/l	98
28) 1,1,1-Trichloroethane	5.306	97	9795	0.454	ug/l	99
29) 1,1-Dichloropropene	5.524	75	8635	0.453	ug/l	99
30) Carbon Tetrachloride	5.515	117	8764	0.469	ug/l	98
31) Isopropyl Ether	3.988	45	15512	0.466	ug/l	99
32) Ethyl-t-butyl ether	4.492	59	16357	0.478	ug/l	93
33) Tert-Amyl methyl ether	5.933	73	13785	0.448	ug/l	97
34) Propionitrile	4.824	54	1739m	2.008	ug/l	
35) Benzene	5.772	78	24719	0.461	ug/l	97
36) 1,2-Dichloroethane	5.791	62	6873	0.454	ug/l	98
37) Trichloroethene	6.541	130	6643	0.464	ug/l	99
38) 1,2-Dichloropropane	6.788	63	6350	0.467	ug/l	93
39) Methacrylonitrile	5.013	41	1278m	0.413	ug/l	
40) Methyl acrylate	4.910	55	2675m	0.430	ug/l	
41) Tetrahydrofuran	5.078	42	1829	0.995	ug/l	# 67
42) 1-Chlorobutane	5.457	56	10924	0.447	ug/l	92
43) Dibromomethane	6.914	93	3215	0.456	ug/l	93
44) Bromodichloromethane	7.100	83	7896	0.461	ug/l	96
45) 4-Methyl-2-Pentanone	7.788	43	16715	2.363	ug/l	98
46) t-1,4-Dichloro-2-butene	10.836	75	2161m	0.738	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.968	69	5892	0.962	ug/l	88
48) Ethyl methacrylate	8.335	69	5610	0.430	ug/l	89
49) Toluene	7.965	92	15412	0.455	ug/l	98
50) t-1,3-Dichloropropene	8.206	75	7839	0.475	ug/l	96
51) cis-1,3-Dichloropropene	7.605	75	9120	0.450	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	4340	0.457	ug/l	95
53) 1,3-Dichloropropane	8.569	76	7722	0.463	ug/l	99
54) 2-Hexanone	8.692	43	13710	2.360	ug/l	94
55) Dibromochloromethane	8.804	129	4975	0.443	ug/l	98
56) 1,2-Dibromoethane	8.923	107	3953	0.434	ug/l	90
58) Tetrachloroethene	8.547	164	5498	0.453	ug/l	94
59) Chlorobenzene	9.444	112	17219	0.472	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.524	131	5449	0.442	ug/l	91
61) Pentachloroethane	11.421	117	3899	0.414	ug/l	98
62) Hexachloroethane	12.466	117	4012	0.413	ug/l	99
63) Ethyl Benzene	9.566	91	30250	0.462	ug/l	99
64) m/p-Xylenes	9.688	106	22661	0.910	ug/l	97
65) o-Xylene	10.097	106	11159	0.455	ug/l	94
66) Styrene	10.113	104	15962	0.419	ug/l	97
67) Bromoform	10.286	173	2523	0.429	ug/l #	97
69) Isopropylbenzene	10.479	105	26955	0.462	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.775	83	5423	0.470	ug/l	98
71) 1,2,3-Trichloropropane	10.817	75	4926m	0.520	ug/l	
72) Bromobenzene	10.782	156	6561	0.468	ug/l	85
73) n-propylbenzene	10.900	120	7558	0.444	ug/l	96
74) 2-Chlorotoluene	10.981	126	6665	0.453	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	23227	0.442	ug/l	100
76) 4-Chlorotoluene	11.093	126	6847	0.458	ug/l	93
77) tert-Butylbenzene	11.412	119	23019	0.443	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	24029	0.453	ug/l	97
79) sec-Butylbenzene	11.634	105	29744	0.439	ug/l	98
81) p-Isopropyltoluene	11.785	119	24474	0.437	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	12130	0.451	ug/l	97
83) 1,4-Dichlorobenzene	11.833	146	11913	0.444	ug/l	97
84) n-Butylbenzene	12.203	91	22595	0.435	ug/l	96
85) 1,2-Dichlorobenzene	12.209	146	11466	0.456	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	13.000	75	656	0.383	ug/l	82
87) 1,2,4-Trichlorobenzene	13.842	180	5849	0.407	ug/l	96
88) Hexachlorobutadiene	14.013	225	3507	0.431	ug/l	96
89) Naphthalene	14.093	128	11394	0.449	ug/l #	94
90) 1,2,3-Trichlorobenzene	14.325	180	5393	0.417	ug/l	95

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

