

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080624\
 Data File : VU060326.D
 Acq On : 06 Aug 2024 17:00
 Operator : MD/SY
 Sample : P3390-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2024

Quant Time: Aug 07 07:41:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Aug 06 11:07:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/12/2024
 Supervised By :Semsettin Yesilyurt 08/12/2024

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

Internal Standards						
1) Fluorobenzene	6.110	96	30075	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	9080	0.886	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	10892	0.978	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	3990	0.345	ug/l	91
3) Chloromethane	1.518	50	4980	0.377	ug/l	100
4) Vinyl Chloride	1.599	62	4914	0.372	ug/l	99
5) Bromomethane	1.853	94	3636	0.448	ug/l	100
6) Chloroethane	1.930	64	3492	0.436	ug/l	92
7) Trichlorofluoromethane	2.132	101	5925	0.371	ug/l	89
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	2801	0.323	ug/l #	84
9) 1,1-Dichloroethene	2.573	96	3251	0.362	ug/l	93
10) Iodomethane	2.714	142	4203	0.315	ug/l	95
11) Allyl Chloride	2.917	41	3487	0.283	ug/l	100
12) Acrylonitrile	3.370	53	966m	0.411	ug/l	
13) Acetone	2.666	43	3360m	1.178	ug/l	
14) Carbon Disulfide	2.785	76	10396	0.341	ug/l	99
15) Methylene Chloride	3.039	84	4709	0.418	ug/l	94
16) trans-1,2-Dichloroethene	3.354	96	3102	0.322	ug/l	97
17) 1,1-Dichloroethane	3.862	63	5982	0.323	ug/l	95
18) 2-Butanone	4.775	43	3573m	1.084	ug/l	
19) Cyclohexane	5.383	56	3842	0.241	ug/l	88
20) Methylcyclohexane	6.759	83	3603	0.284	ug/l	96
21) 2,2-Dichloropropane	4.663	77	4780	0.331	ug/l	99
22) cis-1,2-Dichloroethene	4.669	96	3543	0.343	ug/l	92
23) Diethyl Ether	2.374	59	2654	0.363	ug/l	88
24) tert-Butyl Alcohol	3.251	59	2249m	2.464	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	6247	0.283	ug/l #	87
26) Bromochloromethane	4.978	128	1727	0.395	ug/l	92
27) Chloroform	5.087	83	7920	0.437	ug/l	95
28) 1,1,1-Trichloroethane	5.306	97	5185	0.344	ug/l	97
29) 1,1-Dichloropropene	5.528	75	3701	0.307	ug/l	95
30) Carbon Tetrachloride	5.518	117	4730	0.386	ug/l	95
31) Isopropyl Ether	3.988	45	6525	0.241	ug/l	88
32) Ethyl-t-butyl ether	4.496	59	6544	0.250	ug/l	100
33) Tert-Amyl methyl ether	5.933	73	5748	0.309	ug/l	93
34) Propionitrile	4.856	54	462m	0.490	ug/l	
35) Benzene	5.775	78	13015	0.350	ug/l	97
36) 1,2-Dichloroethane	5.801	62	4074	0.394	ug/l #	88
37) Trichloroethene	6.550	130	3189m	0.347	ug/l	
38) 1,2-Dichloropropane	6.791	63	3546	0.353	ug/l	96
41) Tetrahydrofuran	5.081	42	596	0.321	ug/l #	60
42) 1-Chlorobutane	5.454	56	4832	0.291	ug/l	92
43) Dibromomethane	6.923	93	1911	0.376	ug/l	96
44) Bromodichloromethane	7.103	83	4652	0.381	ug/l	96
45) 4-Methyl-2-Pentanone	7.795	43	7253	1.518	ug/l #	89
46) t-1,4-Dichloro-2-butene	10.827	75	2131m	0.796	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.971	69	2315	0.561	ug/l #	86
48) Ethyl methacrylate	8.341	69	2043	0.291	ug/l	99
49) Toluene	7.968	92	6116	0.297	ug/l	88
50) t-1,3-Dichloropropene	8.213	75	3781	0.375	ug/l	99
51) cis-1,3-Dichloropropene	7.608	75	4267	0.352	ug/l	93
52) 1,1,2-Trichloroethane	8.399	97	2569	0.344	ug/l #	90
53) 1,3-Dichloropropane	8.576	76	4111	0.345	ug/l	96
54) 2-Hexanone	8.695	43	4741	1.281	ug/l	91
55) Dibromochloromethane	8.804	129	3494	0.427	ug/l	97
56) 1,2-Dibromoethane	8.923	107	2416	0.361	ug/l	94
58) Tetrachloroethene	8.547	164	3122	0.380	ug/l	96
59) Chlorobenzene	9.447	112	7597	0.340	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.534	131	3526	0.401	ug/l	96
61) Pentachloroethane	11.421	117	2702	0.360	ug/l	100
62) Hexachloroethane	12.466	117	2194	0.302	ug/l	94
63) Ethyl Benzene	9.569	91	10680	0.735	ug/l	90
64) m/p-Xylenes	9.695	106	7901	1.335	ug/l	95
65) o-Xylene	10.103	106	4014	0.678	ug/l	86
66) Styrene	10.116	104	6084	0.678	ug/l	95
67) Bromoform	10.290	173	2235	0.466	ug/l #	88
69) Isopropylbenzene	10.483	105	9554	0.691	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	3710	0.373	ug/l #	96
71) 1,2,3-Trichloropropane	10.827	75	3056m	0.415	ug/l	
72) Bromobenzene	10.785	156	3324	0.363	ug/l	83
73) n-propylbenzene	10.904	120	2591	0.692	ug/l	92
74) 2-Chlorotoluene	10.981	126	2786	0.568	ug/l	93
75) 1,3,5-Trimethylbenzene	11.087	105	7916	0.658	ug/l	100
76) 4-Chlorotoluene	11.100	126	2699	0.570	ug/l	99
77) tert-Butylbenzene	11.415	119	8749	0.681	ug/l	98
78) 1,2,4-Trimethylbenzene	11.466	105	7611	0.681	ug/l	97
79) sec-Butylbenzene	11.640	105	10571	0.660	ug/l	97
80) Nitrobenzene	13.228	77	442m	1.013	ug/l	
81) p-Isopropyltoluene	11.791	119	7688	0.700	ug/l	96
82) 1,3-Dichlorobenzene	11.746	146	6835	0.357	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	6411	0.338	ug/l	96
84) n-Butylbenzene	12.206	91	8374	0.714	ug/l	99
85) 1,2-Dichlorobenzene	12.212	146	5895	0.319	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.997	75	403	0.280	ug/l	87
87) 1,2,4-Trichlorobenzene	13.843	180	3652	0.345	ug/l	94
88) Hexachlorobutadiene	14.016	225	2663	0.389	ug/l	94
89) Naphthalene	14.090	128	7117	0.380	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	5002	0.484	ug/l	94

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

