

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070722\
 Data File : VU049650.D
 Acq On : 07 Jul 2022 13:33
 Operator : SY/MD
 Sample : N3214-07 0.25ppb
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2022

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

Quant Time: Jul 08 07:23:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U070622DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 08 07:22:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.115	96	40070	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	14424	0.983	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.000%	
68) 1,2-Dichlorobenzene-d4	12.195	152	14713	1.089	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	3652	0.238	ug/l	96
3) Chloromethane	1.530	50	4241	0.270	ug/l	98
4) Vinyl Chloride	1.604	62	3287	0.230	ug/l	100
5) Bromomethane	1.858	94	1851	0.248	ug/l	93
6) Chloroethane	1.935	64	2009	0.251	ug/l	96
7) Trichlorofluoromethane	2.137	101	3703	0.216	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.584	101	1971	0.219	ug/l	94
9) 1,1-Dichloroethene	2.584	96	1896	0.209	ug/l	93
10) Iodomethane	2.723	142	1296	0.112	ug/l	# 85
11) Allyl Chloride	2.922	41	3783	0.244	ug/l	84
12) Acrylonitrile	3.330	53	1300	0.535	ug/l	# 86
13) Acetone	2.658	43	4156m	2.168	ug/l	
14) Carbon Disulfide	2.793	76	6608	0.221	ug/l	96
15) Methylene Chloride	3.047	84	6557	0.576	ug/l	92
16) trans-1,2-Dichloroethene	3.353	96	2560	0.268	ug/l	# 76
17) 1,1-Dichloroethane	3.874	63	4493	0.228	ug/l	# 94
18) 2-Butanone	4.742	43	4009	1.227	ug/l	92
19) Cyclohexane	5.382	56	3607	0.191	ug/l	95
20) Methylcyclohexane	6.764	83	3403	0.183	ug/l	# 81
21) 2,2-Dichloropropane	4.668	77	3483	0.216	ug/l	91
22) cis-1,2-Dichloroethene	4.671	96	2417	0.205	ug/l	91
23) Diethyl Ether	2.382	59	2001	0.259	ug/l	# 73
24) tert-Butyl Alcohol	3.237	59	2587m	2.930	ug/l	
25) Methyl tert-Butyl Ether	3.372	73	5863	0.231	ug/l	97
26) Bromochloromethane	4.980	128	1130	0.228	ug/l	# 69
27) Chloroform	5.095	83	4588	0.236	ug/l	96
28) 1,1,1-Trichloroethane	5.314	97	3501	0.204	ug/l	92
29) 1,1-Dichloropropene	5.523	75	3395	0.222	ug/l	94
30) Carbon Tetrachloride	5.526	117	3235	0.224	ug/l	89
31) Isopropyl Ether	3.996	45	7515	0.222	ug/l	89
32) Ethyl-t-butyl ether	4.510	59	6694	0.209	ug/l	100
33) Tert-Amyl methyl ether	5.947	73	5143	0.185	ug/l	94
34) Propionitrile	4.812	54	861	0.919	ug/l	# 64
35) Benzene	5.774	78	10068	0.231	ug/l	97
36) 1,2-Dichloroethane	5.806	62	2629	0.212	ug/l	# 84
37) Trichloroethene	6.546	130	2533	0.230	ug/l	84
38) 1,2-Dichloropropane	6.796	63	2571	0.223	ug/l	97
39) Methacrylonitrile	4.986	41	351	0.087	ug/l	# 56
40) Methyl acrylate	4.867	55	1134	0.180	ug/l	# 74
41) Tetrahydrofuran	5.083	42	1569	0.661	ug/l	# 70
42) 1-Chlorobutane	5.465	56	4472	0.209	ug/l	93
43) Dibromomethane	6.925	93	1336	0.232	ug/l	95
44) Bromodichloromethane	7.105	83	3141	0.228	ug/l	# 95

07/08/2022
 Supervised By :Semsettin
 Pesilyurt

07/08/2022

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
45) 4-Methyl-2-Pentanone	7.803	43	8950	1.147	ug/l	95	07/08/2022
46) t-1,4-Dichloro-2-butene	10.838	75	1311m	0.516	ug/l		Supervised By :Semsettin Yesilyurt
47) Methyl methacrylate	6.967	69	2332	0.402	ug/l #	87	
48) Ethyl methacrylate	8.340	69	2227	0.192	ug/l	92	
49) Toluene	7.973	92	5676	0.213	ug/l	96	
50) t-1,3-Dichloropropene	8.217	75	2738	0.206	ug/l #	79	
51) cis-1,3-Dichloropropene	7.613	75	3227	0.205	ug/l	92	07/08/2022
52) 1,1,2-Trichloroethane	8.404	97	1802	0.227	ug/l #	91	
53) 1,3-Dichloropropane	8.578	76	3239	0.228	ug/l	98	
54) 2-Hexanone	8.693	43	6491	1.198	ug/l	91	
55) Dibromochloromethane	8.812	129	1860	0.205	ug/l	99	
56) 1,2-Dibromoethane	8.925	107	1732	0.225	ug/l	97	
58) Tetrachloroethene	8.555	164	2122	0.232	ug/l	93	
59) Chlorobenzene	9.449	112	6392	0.230	ug/l	99	
60) 1,1,1,2-Tetrachloroethane	9.536	131	2246	0.227	ug/l	96	
61) Pentachloroethane	11.433	117	1702	0.224	ug/l	93	
62) Hexachloroethane	12.475	117	1609	0.211	ug/l	97	
63) Ethyl Benzene	9.571	91	10136	0.202	ug/l	94	
64) m/p-Xylenes	9.697	106	7211	0.389	ug/l	97	
65) o-Xylene	10.105	106	3600	0.198	ug/l	93	
66) Styrene	10.118	104	5591	0.191	ug/l	98	
67) Bromoform	10.295	173	985	0.191	ug/l #	93	
69) Isopropylbenzene	10.484	105	9789	0.201	ug/l	98	
70) 1,1,2,2-Tetrachloroethane	10.783	83	2409	0.234	ug/l #	95	
71) 1,2,3-Trichloropropane	10.825	75	1683m	0.197	ug/l		
72) Bromobenzene	10.783	156	2395	0.218	ug/l	80	
73) n-propylbenzene	10.909	120	2358	0.192	ug/l	92	
74) 2-Chlorotoluene	10.989	126	2373	0.217	ug/l	100	
75) 1,3,5-Trimethylbenzene	11.089	105	7466	0.184	ug/l	99	
76) 4-Chlorotoluene	11.102	126	2405	0.219	ug/l	84	
77) tert-Butylbenzene	11.420	119	7650	0.191	ug/l	97	
78) 1,2,4-Trimethylbenzene	11.468	105	7776	0.190	ug/l	98	
79) sec-Butylbenzene	11.642	105	10521	0.200	ug/l	96	
80) Nitrobenzene	13.208	77	134	0.318	ug/l #	42	
81) p-Isopropyltoluene	11.793	119	7847	0.184	ug/l	97	
82) 1,3-Dichlorobenzene	11.751	146	4945	0.233	ug/l	99	
83) 1,4-Dichlorobenzene	11.838	146	5250	0.245	ug/l	98	
84) n-Butylbenzene	12.211	91	8203	0.207	ug/l	97	
85) 1,2-Dichlorobenzene	12.214	146	5288	0.257	ug/l	94	
86) 1,2-Dibromo-3-Chloropr...	13.002	75	495	0.275	ug/l #	64	
87) 1,2,4-Trichlorobenzene	13.844	180	4087	0.295	ug/l	98	
88) Hexachlorobutadiene	14.021	225	1927	0.273	ug/l	95	
89) Naphthalene	14.089	128	9375	0.323	ug/l #	94	
90) 1,2,3-Trichlorobenzene	14.330	180	3679	0.278	ug/l	93	

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

