

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
 Data File : VU061142.D
 Acq On : 17 Oct 2024 12:12
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

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

Quant Time: Oct 18 02:34:33 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	6.110	96	27862	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	15027	1.015	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	14882	1.020	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	30369	1.979	ug/l	97
3) Chloromethane	1.518	50	29561	2.025	ug/l	99
4) Vinyl Chloride	1.602	62	30277	2.019	ug/l	99
5) Bromomethane	1.856	94	19208	2.039	ug/l	96
6) Chloroethane	1.930	64	20249	2.015	ug/l	98
7) Trichlorofluoromethane	2.132	101	40647	1.906	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	20854	1.966	ug/l	96
9) 1,1-Dichloroethene	2.576	96	22479	2.033	ug/l	97
10) Iodomethane	2.718	142	22948	2.129	ug/l	98
11) Allyl Chloride	2.917	41	27998	1.966	ug/l	96
12) Acrylonitrile	3.332	53	8932m	4.016	ug/l	
13) Acetone	2.650	43	27398	9.448	ug/l	99
14) Carbon Disulfide	2.788	76	77220	2.027	ug/l	100
15) Methylene Chloride	3.039	84	26990	1.887	ug/l	96
16) trans-1,2-Dichloroethene	3.348	96	25209	1.945	ug/l	98
17) 1,1-Dichloroethane	3.859	63	46628	2.028	ug/l	99
18) 2-Butanone	4.717	43	31956	9.259	ug/l	94
19) Cyclohexane	5.377	56	41308m	2.006	ug/l	
20) Methylcyclohexane	6.756	83	45924	2.000	ug/l	98
21) 2,2-Dichloropropane	4.653	77	41669	1.965	ug/l	99
22) cis-1,2-Dichloroethene	4.660	96	27663	1.959	ug/l	97
23) Diethyl Ether	2.374	59	17206	2.003	ug/l	97
24) tert-Butyl Alcohol	3.248	59	15558m	17.396	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	58211	1.966	ug/l	96
26) Bromochloromethane	4.968	128	12295	2.082	ug/l	95
27) Chloroform	5.078	83	48130	1.997	ug/l	99
28) 1,1,1-Trichloroethane	5.306	97	42676	2.008	ug/l	99
29) 1,1-Dichloropropene	5.518	75	37314	1.986	ug/l	99
30) Carbon Tetrachloride	5.518	117	35842	1.944	ug/l	100
31) Isopropyl Ether	3.984	45	65963	2.011	ug/l	100
32) Ethyl-t-butyl ether	4.492	59	65347	1.938	ug/l	98
33) Tert-Amyl methyl ether	5.933	73	58894	1.941	ug/l	97
34) Propionitrile	4.801	54	8863m	10.379	ug/l	
35) Benzene	5.766	78	106834	2.020	ug/l	99
36) 1,2-Dichloroethane	5.788	62	29897	2.002	ug/l	97
37) Trichloroethene	6.537	130	28782	2.039	ug/l	91
38) 1,2-Dichloropropane	6.782	63	26727	1.995	ug/l	100
39) Methacrylonitrile	4.984	41	6131	2.010	ug/l	# 85
40) Methyl acrylate	4.862	55	13379m	2.182	ug/l	
41) Tetrahydrofuran	5.065	42	7639m	4.214	ug/l	
42) 1-Chlorobutane	5.451	56	47005	1.951	ug/l	98
43) Dibromomethane	6.914	93	13927	2.005	ug/l	98
44) Bromodichloromethane	7.100	83	33760	1.999	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	69615	9.984	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	10161m	3.522	ug/l	
47) Methyl methacrylate	6.959	69	23779	3.939	ug/l	97
48) Ethyl methacrylate	8.328	69	25849	2.008	ug/l	99
49) Toluene	7.962	92	67504	2.020	ug/l	99
50) t-1,3-Dichloropropene	8.206	75	31154	1.913	ug/l	99
51) cis-1,3-Dichloropropene	7.602	75	38666	1.935	ug/l	94
52) 1,1,2-Trichloroethane	8.393	97	18850	2.012	ug/l	98
53) 1,3-Dichloropropane	8.566	76	33346	2.027	ug/l	100
54) 2-Hexanone	8.682	43	54512	9.517	ug/l	100
55) Dibromochloromethane	8.801	129	21423	1.937	ug/l	97
56) 1,2-Dibromoethane	8.917	107	18201	2.025	ug/l	97
58) Tetrachloroethene	8.547	164	24002	2.005	ug/l	96
59) Chlorobenzene	9.441	112	71646	1.991	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	23619	1.945	ug/l	98
61) Pentachloroethane	11.418	117	18050	1.943	ug/l	98
62) Hexachloroethane	12.466	117	18132	1.894	ug/l	96
63) Ethyl Benzene	9.563	91	126662	1.964	ug/l	99
64) m/p-Xylenes	9.685	106	96582	3.936	ug/l	97
65) o-Xylene	10.093	106	47867	1.980	ug/l	96
66) Styrene	10.110	104	73754	1.962	ug/l	100
67) Bromoform	10.283	173	11224	1.938	ug/l	99
69) Isopropylbenzene	10.476	105	111910	1.946	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	22114	1.944	ug/l	96
71) 1,2,3-Trichloropropane	10.817	75	18197m	1.947	ug/l	
72) Bromobenzene	10.775	156	26715	1.932	ug/l	98
73) n-propylbenzene	10.897	120	32478	1.936	ug/l	100
74) 2-Chlorotoluene	10.978	126	28214	1.944	ug/l	97
75) 1,3,5-Trimethylbenzene	11.081	105	100582	1.940	ug/l	100
76) 4-Chlorotoluene	11.090	126	28879	1.958	ug/l	99
77) tert-Butylbenzene	11.412	119	100077	1.953	ug/l	98
78) 1,2,4-Trimethylbenzene	11.460	105	100083	1.912	ug/l	100
79) sec-Butylbenzene	11.634	105	130197	1.951	ug/l	100
80) Nitrobenzene	13.219	77	2137m	10.007	ug/l	
81) p-Isopropyltoluene	11.785	119	107317	1.942	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	52203	1.968	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	52165	1.972	ug/l	99
84) n-Butylbenzene	12.200	91	97800	1.908	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	48586	1.959	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.990	75	3126	1.852	ug/l	92
87) 1,2,4-Trichlorobenzene	13.836	180	26261	1.852	ug/l	99
88) Hexachlorobutadiene	14.010	225	15637	1.950	ug/l	96
89) Naphthalene	14.084	128	44556	1.780	ug/l	98
90) 1,2,3-Trichlorobenzene	14.322	180	23414	1.838	ug/l	98

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

