

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101724\
 Data File : VU061152.D
 Acq On : 17 Oct 2024 19:31
 Operator : MD/SY
 Sample : P4368-07 0.8PPB
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2024

Quant Time: Oct 18 04:27:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 18 04:25:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.113	96	26722	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	14133	0.995	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	13298	0.951	ug/l	0.00
Spiked Amount 1.000			Recovery	=	95.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	12223	0.830	ug/l	99
3) Chloromethane	1.515	50	13483	0.963	ug/l	98
4) Vinyl Chloride	1.599	62	13158	0.915	ug/l	98
5) Bromomethane	1.853	94	8438	0.934	ug/l	99
6) Chloroethane	1.930	64	9125	0.947	ug/l	99
7) Trichlorofluoromethane	2.132	101	17858	0.873	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	7963	0.783	ug/l	97
9) 1,1-Dichloroethene	2.573	96	9567	0.902	ug/l	98
10) Iodomethane	2.718	142	10530	0.835	ug/l	99
11) Allyl Chloride	2.917	41	12681	0.929	ug/l	99
12) Acrylonitrile	3.348	53	3525	1.653	ug/l	# 90
13) Acetone	2.657	43	10125	3.641	ug/l	90
14) Carbon Disulfide	2.788	76	31449	0.861	ug/l	99
15) Methylene Chloride	3.039	84	12507	0.912	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	10999	0.885	ug/l	96
17) 1,1-Dichloroethane	3.859	63	21074	0.956	ug/l	99
18) 2-Butanone	4.734	43	11357	3.335	ug/l	95
19) Cyclohexane	5.377	56	15838m	0.802	ug/l	
20) Methylcyclohexane	6.753	83	15823	0.719	ug/l	99
21) 2,2-Dichloropropane	4.656	77	17851	0.878	ug/l	97
22) cis-1,2-Dichloroethene	4.660	96	12181	0.899	ug/l	99
23) Diethyl Ether	2.374	59	8022	0.974	ug/l	97
24) tert-Butyl Alcohol	3.255	59	7416m	8.627	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	25549	0.899	ug/l	94
26) Bromochloromethane	4.968	128	5153	0.910	ug/l	99
27) Chloroform	5.081	83	21905	0.948	ug/l	91
28) 1,1,1-Trichloroethane	5.306	97	17866	0.877	ug/l	98
29) 1,1-Dichloropropene	5.521	75	15488	0.860	ug/l	95
30) Carbon Tetrachloride	5.515	117	15364	0.869	ug/l	96
31) Isopropyl Ether	3.984	45	28306	0.900	ug/l	98
32) Ethyl-t-butyl ether	4.496	59	30501	0.943	ug/l	99
33) Tert-Amyl methyl ether	5.933	73	27060	0.930	ug/l	97
34) Propionitrile	4.814	54	3182	3.917	ug/l	# 72
35) Benzene	5.769	78	46437	0.915	ug/l	98
36) 1,2-Dichloroethane	5.791	62	12931	0.903	ug/l	97
37) Trichloroethene	6.537	130	11864	0.876	ug/l	99
38) 1,2-Dichloropropane	6.785	63	12060	0.939	ug/l	98
39) Methacrylonitrile	4.991	41	2937	1.004	ug/l	# 74
40) Methyl acrylate	4.885	55	4877m	0.822	ug/l	
41) Tetrahydrofuran	5.071	42	3411	1.941	ug/l	# 81
42) 1-Chlorobutane	5.451	56	19698	0.852	ug/l	99
43) Dibromomethane	6.914	93	6328	0.950	ug/l	94
44) Bromodichloromethane	7.100	83	14525	0.897	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	30006	4.487	ug/l	95
46) t-1,4-Dichloro-2-butene	10.830	75	4639m	1.740	ug/l	
47) Methyl methacrylate	6.962	69	9953	1.719	ug/l	95
48) Ethyl methacrylate	8.332	69	10899	0.883	ug/l	95
49) Toluene	7.965	92	28085	0.876	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	13479	0.863	ug/l	94
51) cis-1,3-Dichloropropene	7.605	75	16809	0.877	ug/l	97
52) 1,1,2-Trichloroethane	8.393	97	8285	0.922	ug/l	97
53) 1,3-Dichloropropane	8.569	76	14744	0.934	ug/l	100
54) 2-Hexanone	8.685	43	21108	3.842	ug/l	94
55) Dibromochloromethane	8.801	129	9612	0.906	ug/l	98
56) 1,2-Dibromoethane	8.917	107	7784	0.903	ug/l	100
58) Tetrachloroethene	8.547	164	9471	0.825	ug/l	99
59) Chlorobenzene	9.441	112	29779	0.863	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.528	131	10466	0.899	ug/l	98
61) Pentachloroethane	11.418	117	7170	0.805	ug/l	97
62) Hexachloroethane	12.466	117	6945	0.756	ug/l	98
63) Ethyl Benzene	9.563	91	51009	0.825	ug/l	100
64) m/p-Xylenes	9.688	106	38085	1.618	ug/l	98
65) o-Xylene	10.094	106	19125	0.825	ug/l	95
66) Styrene	10.110	104	29768	0.826	ug/l	99
67) Bromoform	10.283	173	4661	0.839	ug/l #	92
69) Isopropylbenzene	10.476	105	44982	0.816	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.772	83	9759	0.894	ug/l	96
71) 1,2,3-Trichloropropane	10.817	75	7661m	0.862	ug/l	
72) Bromobenzene	10.778	156	11288	0.851	ug/l	88
73) n-propylbenzene	10.901	120	11892	0.739	ug/l	99
74) 2-Chlorotoluene	10.981	126	11496	0.826	ug/l	98
75) 1,3,5-Trimethylbenzene	11.081	105	38897	0.782	ug/l	98
76) 4-Chlorotoluene	11.090	126	11200	0.792	ug/l	93
77) tert-Butylbenzene	11.412	119	39537	0.804	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	38697	0.771	ug/l	98
79) sec-Butylbenzene	11.634	105	46904	0.733	ug/l	100
80) Nitrobenzene	13.254	77	767m	3.211	ug/l	
81) p-Isopropyltoluene	11.785	119	36740	0.693	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	20294	0.798	ug/l	96
83) 1,4-Dichlorobenzene	11.833	146	18970	0.748	ug/l	94
84) n-Butylbenzene	12.203	91	29933	0.609	ug/l	97
85) 1,2-Dichlorobenzene	12.206	146	20141	0.847	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1334	0.824	ug/l	94
87) 1,2,4-Trichlorobenzene	13.836	180	8992	0.661	ug/l	96
88) Hexachlorobutadiene	14.013	225	4502	0.585	ug/l	95
89) Naphthalene	14.090	128	16349	0.681	ug/l	98
90) 1,2,3-Trichlorobenzene	14.325	180	8604	0.704	ug/l	100

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

