

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101624\
 Data File : VU061137.D
 Acq On : 16 Oct 2024 12:27
 Operator : MD/SY
 Sample : VSTDICC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/17/2024
 Supervised By :Semsettin Yesilyurt 10/17/2024

Quant Time: Oct 17 04:53:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101624DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 17 04:49:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	31591	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	17130	1.050	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.187	152	17040	1.074	ug/l	0.00
Spiked Amount 1.000			Recovery	=	107.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	91839	14.928	ug/l	100
3) Chloromethane	1.515	50	60367	14.307	ug/l	97
4) Vinyl Chloride	1.599	62	75746	15.274	ug/l	99
5) Bromomethane	1.853	94	46401	13.947	ug/l	99
6) Chloroethane	1.927	64	86866	16.806	ug/l	98
7) Trichlorofluoromethane	2.126	101	188952	15.831	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.570	101	118240	15.376	ug/l	98
9) 1,1-Dichloroethene	2.570	96	84859	15.527	ug/l	97
10) Iodomethane	2.711	142	92888	18.799	ug/l	100
11) Allyl Chloride	2.914	41	131717	14.923	ug/l	97
12) Acrylonitrile	3.316	53	67730	30.495	ug/l	99
13) Acetone	2.637	43	265779	77.576	ug/l	99
14) Carbon Disulfide	2.782	76	62408	14.305	ug/l	99
15) Methylene Chloride	3.036	84	139132	14.814	ug/l	99
16) trans-1,2-Dichloroethene	3.341	96	94661	15.335	ug/l	95
17) 1,1-Dichloroethane	3.856	63	286164	15.462	ug/l	99
18) 2-Butanone	4.702	43	300666	77.078	ug/l	100
19) Cyclohexane	5.377	56	118478m	15.235	ug/l	
20) Methylcyclohexane	6.753	83	154573	15.621	ug/l	99
21) 2,2-Dichloropropane	4.650	77	275926	15.381	ug/l	100
22) cis-1,2-Dichloroethene	4.657	96	161984	15.505	ug/l	100
23) Diethyl Ether	2.370	59	90593	15.142	ug/l	95
24) tert-Butyl Alcohol	3.232	59	122723m	122.145	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	425893	15.487	ug/l	97
26) Bromochloromethane	4.962	128	67622	15.533	ug/l	98
27) Chloroform	5.078	83	337507	15.167	ug/l	100
28) 1,1,1-Trichloroethane	5.306	97	271849	15.438	ug/l	100
29) 1,1-Dichloropropene	5.515	75	157928	15.477	ug/l	98
30) Carbon Tetrachloride	5.515	117	211654	15.596	ug/l	98
31) Isopropyl Ether	3.981	45	468141	15.485	ug/l	99
32) Ethyl-t-butyl ether	4.489	59	502920	15.721	ug/l	99
33) Tert-Amyl methyl ether	5.930	73	476712	16.036	ug/l	99
34) Propionitrile	4.785	54	70840	78.042	ug/l	96
35) Benzene	5.763	78	550155	15.354	ug/l	100
36) 1,2-Dichloroethane	5.782	62	192302	15.568	ug/l	100
37) Trichloroethene	6.534	130	151524	15.263	ug/l	98
38) 1,2-Dichloropropane	6.782	63	183057	15.378	ug/l	98
39) Methacrylonitrile	4.965	41	50757	16.484	ug/l	99
40) Methyl acrylate	4.840	55	87856	16.946	ug/l	# 98
41) Tetrahydrofuran	5.052	42	47754	28.789	ug/l	99
42) 1-Chlorobutane	5.447	56	224827	15.602	ug/l	100
43) Dibromomethane	6.910	93	85028	15.342	ug/l	98
44) Bromodichloromethane	7.097	83	263651	15.687	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.782	43	572942	78.864	ug/l	100
46) t-1,4-Dichloro-2-butene	10.830	75	111935m	36.019	ug/l	
47) Methyl methacrylate	6.952	69	182441	32.200	ug/l	99
48) Ethyl methacrylate	8.325	69	190175	16.090	ug/l	99
49) Toluene	7.962	92	379938	15.606	ug/l	100
50) t-1,3-Dichloropropene	8.203	75	238998	16.154	ug/l	99
51) cis-1,3-Dichloropropene	7.599	75	271103	15.739	ug/l	98
52) 1,1,2-Trichloroethane	8.389	97	145039	15.448	ug/l	98
53) 1,3-Dichloropropane	8.566	76	234527	15.424	ug/l	99
54) 2-Hexanone	8.679	43	519740	81.335	ug/l	99
55) Dibromochloromethane	8.801	129	179020	15.790	ug/l	98
56) 1,2-Dibromoethane	8.914	107	122698	15.505	ug/l	99
58) Tetrachloroethene	8.547	164	134343	15.474	ug/l	99
59) Chlorobenzene	9.438	112	494152	15.662	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.524	131	193053	15.686	ug/l	99
61) Pentachloroethane	11.418	117	157255	16.588	ug/l	99
62) Hexachloroethane	12.467	117	171124	17.308	ug/l	99
63) Ethyl Benzene	9.563	91	841114	15.600	ug/l	100
64) m/p-Xylenes	9.685	106	638795	31.837	ug/l	99
65) o-Xylene	10.094	106	334241	15.752	ug/l	99
66) Styrene	10.106	104	556737	16.463	ug/l	100
67) Bromoform	10.283	173	102186	16.765	ug/l	100
69) Isopropylbenzene	10.476	105	921716	15.977	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	200326	16.220	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	146150m	15.215	ug/l	
72) Bromobenzene	10.775	156	200586	15.891	ug/l	99
73) n-propylbenzene	10.897	120	247634	16.435	ug/l	100
74) 2-Chlorotoluene	10.978	126	216990	15.852	ug/l	100
75) 1,3,5-Trimethylbenzene	11.081	105	789023	16.293	ug/l	99
76) 4-Chlorotoluene	11.090	126	226666	16.333	ug/l	98
77) tert-Butylbenzene	11.412	119	817011	16.205	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	814716	16.476	ug/l	100
79) sec-Butylbenzene	11.634	105	1061583	16.287	ug/l	100
80) Nitrobenzene	13.203	77	27698	76.496	ug/l	98
81) p-Isopropyltoluene	11.785	119	882532	16.695	ug/l	100
82) 1,3-Dichlorobenzene	11.737	146	433480	16.302	ug/l	100
83) 1,4-Dichlorobenzene	11.830	146	434712	16.454	ug/l	99
84) n-Butylbenzene	12.200	91	854606	16.793	ug/l	100
85) 1,2-Dichlorobenzene	12.203	146	416661	16.264	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	12.987	75	32757	17.032	ug/l	99
87) 1,2,4-Trichlorobenzene	13.833	180	269996	17.661	ug/l	99
88) Hexachlorobutadiene	14.013	225	140712	16.574	ug/l	99
89) Naphthalene	14.077	128	477504	18.598	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	226671	17.516	ug/l	98

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

