Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072523\
Data File : VU054869.D
Acq On : 25 Jul 2023 11:08
Operator : MD/SY
Sample : VSTDICC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/28/2023
Supervised By :Semsettin Yesilyurt 07/28/2023

Quant Time: Jul 26 08:54:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 26 08:39:04 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.110	96	28044	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.631	95	7698	0.905	ug/l		0.00
Spiked Amount 1.000			Recovery =	91.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	9316	0.970	ug/l		0.00
Spiked Amount 1.000			Recovery =	97.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.383	85	26661	4.993	ug/l		97
3) Chloromethane	1.515	50	26861	4.478	ug/l		95
4) Vinyl Chloride	1.599	62	37812	4.720	ug/l		95
5) Bromomethane	1.856	94	28929	4.551	ug/l		96
6) Chloroethane	1.930	64	38387	4.636	ug/l		98
7) Trichlorofluoromethane	2.133	101	89863	4.774	ug/l		98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	29223	4.791	ug/l		98
9) 1,1-Dichloroethene	2.573	96	22666	4.681	ug/l		93
10) Iodomethane	2.718	142	38142	5.046	ug/l		99
11) Allyl Chloride	2.917	41	27336	4.724	ug/l		97
12) Acrylonitrile	3.329	53	11878m	9.762	ug/l		
13) Acetone	2.641	43	40661	31.452	ug/l		96
14) Carbon Disulfide	2.788	76	37920	4.521	ug/l	#	94
15) Methylene Chloride	3.039	84	30353	4.886	ug/l		97
16) trans-1,2-Dichloroethene	3.348	96	26259	4.982	ug/l		97
17) 1,1-Dichloroethane	3.866	63	55135	4.677	ug/l		97
18) 2-Butanone	4.711	43	46990	28.235	ug/l		99
19) Cyclohexane	5.386	56	30300	4.568	ug/l		87
20) Methylcyclohexane	6.759	83	44471	5.014	ug/l		97
21) 2,2-Dichloropropane	4.660	77	52827	4.834	ug/l		99
22) cis-1,2-Dichloroethene	4.663	96	32989	4.709	ug/l		95
23) Diethyl Ether	2.374	59	33122	4.637	ug/l		99
24) tert-Butyl Alcohol	3.213	59	31735m	47.703	ug/l		
25) Methyl tert-Butyl Ether	3.361	73	73428	4.901	ug/l		98
26) Bromochloromethane	4.965	128	13905	4.840	ug/l		96
27) Chloroform	5.081	83	60947	4.814	ug/l		100
28) 1,1,1-Trichloroethane	5.309	97	51963	4.752	ug/l		99
29) 1,1-Dichloropropene	5.521	75	38232	4.740	ug/l		98
30) Carbon Tetrachloride	5.518	117	42112	4.614	ug/l		97
31) Isopropyl Ether	3.988	45	81765	4.699	ug/l		98
32) Ethyl-t-butyl ether	4.496	59	85700	4.783	ug/l		100
33) Tert-Amyl methyl ether	5.936	73	80573	4.757	ug/l		99
34) Propionitrile	4.792	54	10186	22.200	ug/l	#	91
35) Benzene	5.769	78	119558	4.733	ug/l		97
36) 1,2-Dichloroethane	5.792	62	33921	4.721	ug/l		99
37) Trichloroethene	6.538	130	32137	4.731	ug/l		96
38) 1,2-Dichloropropane	6.788	63	33913	4.750	ug/l		94
39) Methacrylonitrile	4.968	41	8188	4.595	ug/l		97
40) Methyl acrylate	4.849	55	12336	4.363	ug/l	#	91
41) Tetrahydrofuran	5.059	42	9327	9.098	ug/l		95
42) 1-Chlorobutane	5.454	56	49908	4.726	ug/l		100
43) Dibromomethane	6.914	93	16615	4.954	ug/l		98
44) Bromodichloromethane	7.100	83	44333	4.744	ug/l	#	95

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Data File : VU054869.D
Acq On : 25 Jul 2023 11:08
Operator : MD/SY
Sample : VSTDICC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/28/2023
Supervised By :Semsettin Yesilyurt 07/28/2023

Quant Time: Jul 26 08:54:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 26 08:39:04 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	94981	24.271	ug/l		100
46) t-1,4-Dichloro-2-butene	10.830	75	14995m	9.381	ug/l		
47) Methyl methacrylate	6.956	69	29556	9.639	ug/l		94
48) Ethyl methacrylate	8.332	69	29367	4.735	ug/l		99
49) Toluene	7.965	92	76453	4.751	ug/l		98
50) t-1,3-Dichloropropene	8.206	75	40036	4.826	ug/l		96
51) cis-1,3-Dichloropropene	7.602	75	48547	4.761	ug/l		94
52) 1,1,2-Trichloroethane	8.396	97	26012	4.892	ug/l		87
53) 1,3-Dichloropropane	8.570	76	42162	4.902	ug/l		95
54) 2-Hexanone	8.682	43	77446	27.851	ug/l		99
55) Dibromochloromethane	8.804	129	29202	4.794	ug/l		97
56) 1,2-Dibromoethane	8.920	107	22660	5.029	ug/l		99
58) Tetrachloroethene	8.550	164	28483	4.803	ug/l		97
59) Chlorobenzene	9.441	112	91379	4.680	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.531	131	32857	4.766	ug/l		97
61) Pentachloroethane	11.422	117	25567	4.747	ug/l		100
62) Hexachloroethane	12.470	117	25867	4.670	ug/l		94
63) Ethyl Benzene	9.566	91	158607	4.841	ug/l		99
64) m/p-Xylenes	9.689	106	118699	9.683	ug/l		98
65) o-Xylene	10.097	106	60825	4.831	ug/l		96
66) Styrene	10.110	104	95946	4.766	ug/l		99
67) Bromoform	10.287	173	15843	5.015	ug/l		96
69) Isopropylbenzene	10.480	105	162049	4.794	ug/l		99
70) 1,1,2,2-Tetrachloroethane	10.779	83	30832	4.685	ug/l		99
71) 1,2,3-Trichloropropane	10.824	75	21336m	4.517	ug/l		
72) Bromobenzene	10.779	156	36531	4.854	ug/l		97
73) n-propylbenzene	10.901	120	44213	4.887	ug/l		97
74) 2-Chlorotoluene	10.981	126	38152	4.872	ug/l		97
75) 1,3,5-Trimethylbenzene	11.084	105	133645	4.882	ug/l		99
76) 4-Chlorotoluene	11.094	126	39471	4.851	ug/l		95
77) tert-Butylbenzene	11.415	119	136948	4.811	ug/l		98
78) 1,2,4-Trimethylbenzene	11.463	105	134533	4.801	ug/l		99
79) sec-Butylbenzene	11.640	105	182777	4.939	ug/l		100
80) Nitrobenzene	13.206	77	3907	22.598	ug/l	#	95
81) p-Isopropyltoluene	11.788	119	145249	4.973	ug/l		99
82) 1,3-Dichlorobenzene	11.740	146	74739	4.665	ug/l		99
83) 1,4-Dichlorobenzene	11.833	146	76581	4.795	ug/l		99
84) n-Butylbenzene	12.206	91	128100	4.883	ug/l		100
85) 1,2-Dichlorobenzene	12.209	146	72147	4.697	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.991	75	4126	4.716	ug/l		97
87) 1,2,4-Trichlorobenzene	13.836	180	45457	4.640	ug/l		98
88) Hexachlorobutadiene	14.016	225	24342	4.659	ug/l		98
89) Naphthalene	14.084	128	68265	4.500	ug/l		99
90) 1,2,3-Trichlorobenzene	14.325	180	39223	4.513	ug/l		99

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

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 26 08:54:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jul 26 08:39:04 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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Supervised By :Semsettin Yesilyurt 07/28/2023