

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033023\
 Data File : VU053482.D
 Acq On : 30 Mar 2023 12:39
 Operator : JC/MD
 Sample : RLCHECK1
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RLCHECK1

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Mar 30 16:11:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 13:33:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.108	96	41404	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.629	95	14278	0.955	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.192	152	12833	0.855	ug/l	0.00
Spiked Amount 1.000			Recovery	=	86.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	7475	0.499	ug/l	99
3) Chloromethane	1.520	50	7595	0.498	ug/l #	81
4) Vinyl Chloride	1.600	62	8263	0.513	ug/l	96
5) Bromomethane	1.858	94	6364	0.201	ug/l	89
6) Chloroethane	1.935	64	5260	0.511	ug/l	99
7) Trichlorofluoromethane	2.137	101	11766	0.488	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.578	101	5422	0.453	ug/l	90
9) 1,1-Dichloroethene	2.578	96	5359	0.490	ug/l	85
11) Allyl Chloride	2.919	41	5980	0.484	ug/l	85
12) Acrylonitrile	3.330	53	1807	0.850	ug/l #	54
13) Acetone	2.642	43	10626	2.550	ug/l #	86
14) Carbon Disulfide	2.793	76	15647	0.467	ug/l #	94
15) Methylene Chloride	3.044	84	16220	Below Cal		95
16) trans-1,2-Dichloroethene	3.353	96	5723	0.506	ug/l	91
17) 1,1-Dichloroethane	3.864	63	10750	0.521	ug/l	97
18) 2-Butanone	4.729	43	10206	2.406	ug/l	87
19) Cyclohexane	5.385	56	9211	0.542	ug/l	92
20) Methylcyclohexane	6.758	83	9309	0.439	ug/l	94
21) 2,2-Dichloropropane	4.658	77	10034	0.568	ug/l #	89
22) cis-1,2-Dichloroethene	4.665	96	6425	0.523	ug/l	96
23) Diethyl Ether	2.372	59	4418	0.509	ug/l	95
25) Methyl tert-Butyl Ether	3.366	73	11487	0.474	ug/l	99
26) Bromochloromethane	4.973	128	2454	0.496	ug/l	97
27) Chloroform	5.083	83	10424	0.487	ug/l	98
28) 1,1,1-Trichloroethane	5.314	97	8947	0.485	ug/l	94
29) 1,1-Dichloropropene	5.523	75	7826	0.490	ug/l	95
30) Carbon Tetrachloride	5.520	117	7101	0.483	ug/l	89
31) Isopropyl Ether	3.986	45	14464	0.510	ug/l	95
32) Ethyl-t-butyl ether	4.494	59	15015	0.515	ug/l	96
33) Tert-Amyl methyl ether	5.938	73	12289	0.474	ug/l	98
34) Propionitrile	4.800	54	1928m	3.105	ug/l	
35) Benzene	5.774	78	24028	0.514	ug/l	99
36) 1,2-Dichloroethane	5.793	62	6417	0.478	ug/l #	87
37) Trichloroethene	6.536	130	5853	0.498	ug/l	93
38) 1,2-Dichloropropane	6.787	63	6116	0.511	ug/l	98
39) Methacrylonitrile	4.980	41	1436m	0.492	ug/l	
40) Methyl acrylate	4.870	55	2790m	0.527	ug/l	
41) Tetrahydrofuran	5.067	42	1498m	0.983	ug/l	
42) 1-Chlorobutane	5.452	56	10315	0.485	ug/l	93
43) Dibromomethane	6.915	93	2746	0.481	ug/l	90
44) Bromodichloromethane	7.105	83	6449	0.452	ug/l	88
45) 4-Methyl-2-Pentanone	7.790	43	15638	2.643	ug/l	98
46) t-1,4-Dichloro-2-butene	10.832	75	2201m	1.152	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033023\
 Data File : VU053482.D
 Acq On : 30 Mar 2023 12:39
 Operator : JC/MD
 Sample : RLCHECK1
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RLCHECK1

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

Quant Time: Mar 30 16:11:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 13:33:10 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Methyl methacrylate	6.964	69	5244	1.000	ug/l	92
48) Ethyl methacrylate	8.333	69	4766	0.469	ug/l	96
49) Toluene	7.967	92	13799	0.482	ug/l	98
50) t-1,3-Dichloropropene	8.208	75	6653	0.504	ug/l	96
51) cis-1,3-Dichloropropene	7.607	75	7726	0.472	ug/l	97
52) 1,1,2-Trichloroethane	8.394	97	3439	0.416	ug/l #	80
53) 1,3-Dichloropropane	8.568	76	6958	0.488	ug/l	93
54) 2-Hexanone	8.684	43	15980	2.574	ug/l	98
55) Dibromochloromethane	8.806	129	3948	0.469	ug/l	95
56) 1,2-Dibromoethane	8.922	107	3502	0.460	ug/l	88
58) Tetrachloroethene	8.552	164	4626	0.421	ug/l #	82
59) Chlorobenzene	9.446	112	15505	0.492	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.526	131	4409	0.460	ug/l	92
61) Pentachloroethane	11.420	117	3223	0.479	ug/l	96
62) Hexachloroethane	12.471	117	3028	0.692	ug/l	85
63) Ethyl Benzene	9.565	91	26292	0.475	ug/l	98
64) m/p-Xylenes	9.690	106	19013	0.899	ug/l	94
65) o-Xylene	10.095	106	8872	0.429	ug/l	77
66) Styrene	10.111	104	14732	0.463	ug/l	94
67) Bromoform	10.285	173	1480	0.654	ug/l #	92
69) Isopropylbenzene	10.481	105	24828	0.458	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.777	83	4872	0.489	ug/l #	94
71) 1,2,3-Trichloropropane	10.822	75	4066m	0.541	ug/l	
72) Bromobenzene	10.777	156	5390	0.475	ug/l	93
73) n-propylbenzene	10.902	120	7122	0.498	ug/l	96
74) 2-Chlorotoluene	10.983	126	5901	0.477	ug/l	95
75) 1,3,5-Trimethylbenzene	11.082	105	19444	0.427	ug/l	97
76) 4-Chlorotoluene	11.098	126	6498	0.506	ug/l	96
77) tert-Butylbenzene	11.417	119	19413	0.460	ug/l	96
78) 1,2,4-Trimethylbenzene	11.465	105	22105	0.477	ug/l	93
79) sec-Butylbenzene	11.639	105	27669	0.456	ug/l	98
81) p-Isopropyltoluene	11.790	119	22822	0.478	ug/l	95
82) 1,3-Dichlorobenzene	11.745	146	11726	0.485	ug/l	96
83) 1,4-Dichlorobenzene	11.835	146	12418	0.507	ug/l	94
84) n-Butylbenzene	12.205	91	23832	0.506	ug/l	99
85) 1,2-Dichlorobenzene	12.211	146	11768	0.513	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.996	75	908	0.600	ug/l #	63
87) 1,2,4-Trichlorobenzene	13.838	180	8124	0.608	ug/l	94
88) Hexachlorobutadiene	14.018	225	2973	0.465	ug/l #	85
89) Naphthalene	14.082	128	15601	0.580	ug/l	98
90) 1,2,3-Trichlorobenzene	14.327	180	7001	0.608	ug/l	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU033023\
 Data File : VU053482.D
 Acq On : 30 Mar 2023 12:39
 Operator : JC/MD
 Sample : RLCHECK1
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 RLCHECK1

Quant Time: Mar 30 16:11:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U032923DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Mar 30 13:33:10 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

