

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013124\
 Data File : VU057761.D
 Acq On : 31 Jan 2024 12:11
 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 02/01/2024
 Supervised By :Semsettin Yesilyurt 02/01/2024

Quant Time: Jan 31 12:35:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 31 11:38:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.110	96	42676	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	16112	0.957	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	14721	0.943	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	74448	4.492	ug/l	98
3) Chloromethane	1.518	50	70525	4.979	ug/l	100
4) Vinyl Chloride	1.602	62	72494	4.994	ug/l	98
5) Bromomethane	1.856	94	42371	5.303	ug/l	100
6) Chloroethane	1.933	64	44603	6.344	ug/l	98
7) Trichlorofluoromethane	2.136	101	109311	5.710	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	56726	4.445	ug/l	96
9) 1,1-Dichloroethene	2.576	96	55122	4.631	ug/l	98
10) Iodomethane	2.718	142	66711	3.761	ug/l	95
11) Allyl Chloride	2.917	41	75619	4.887	ug/l	87
12) Acrylonitrile	3.325	53	20390	9.116	ug/l	91
13) Acetone	2.653	43	88948	18.641	ug/l	92
14) Carbon Disulfide	2.788	76	176774	4.549	ug/l	99
15) Methylene Chloride	3.039	84	64134	4.568	ug/l	98
16) trans-1,2-Dichloroethene	3.348	96	61989	4.914	ug/l	96
17) 1,1-Dichloroethane	3.862	63	114912	4.898	ug/l	100
18) 2-Butanone	4.714	43	96533	18.777	ug/l	98
19) Cyclohexane	5.380	56	88349	4.414	ug/l	86
20) Methylcyclohexane	6.756	83	107480	5.169	ug/l	96
21) 2,2-Dichloropropane	4.656	77	102190	5.172	ug/l	97
22) cis-1,2-Dichloroethene	4.660	96	64974	4.832	ug/l	93
23) Diethyl Ether	2.370	59	40317	5.666	ug/l	99
24) tert-Butyl Alcohol	3.267	59	46375m	63.543	ug/l	
25) Methyl tert-Butyl Ether	3.354	73	133058	5.195	ug/l	95
26) Bromochloromethane	4.968	128	27367	4.802	ug/l	98
27) Chloroform	5.081	83	118830	4.936	ug/l	96
28) 1,1,1-Trichloroethane	5.309	97	107700	4.991	ug/l	99
29) 1,1-Dichloropropene	5.521	75	86025	5.033	ug/l	99
30) Carbon Tetrachloride	5.518	117	93605	4.969	ug/l	97
31) Isopropyl Ether	3.981	45	171911	5.454	ug/l	95
32) Ethyl-t-butyl ether	4.492	59	159744	5.250	ug/l	99
33) Tert-Amyl methyl ether	5.933	73	131063	5.026	ug/l	97
34) Propionitrile	4.801	54	20917	25.718	ug/l #	9
35) Benzene	5.769	78	250735	4.843	ug/l	98
36) 1,2-Dichloroethane	5.788	62	74591	5.305	ug/l	97
37) Trichloroethene	6.537	130	65166	4.838	ug/l	99
38) 1,2-Dichloropropane	6.785	63	65544	4.848	ug/l	98
39) Methacrylonitrile	4.975	41	16048	5.292	ug/l	95
40) Methyl acrylate	4.849	55	25013	4.261	ug/l	97
41) Tetrahydrofuran	5.062	42	16923	9.848	ug/l	97
42) 1-Chlorobutane	5.451	56	116375	5.107	ug/l	96
43) Dibromomethane	6.914	93	30673	4.773	ug/l	98
44) Bromodichloromethane	7.100	83	82995	4.887	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013124\
 Data File : VU057761.D
 Acq On : 31 Jan 2024 12:11
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/01/2024
 Supervised By :Semsettin Yesilyurt 02/01/2024

Quant Time: Jan 31 12:35:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 31 11:38:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.785	43	163212	24.559	ug/l	97
46) t-1,4-Dichloro-2-butene	10.836	75	13963m	5.281	ug/l	
47) Methyl methacrylate	6.955	69	56143	10.591	ug/l	93
48) Ethyl methacrylate	8.328	69	55118	4.769	ug/l	100
49) Toluene	7.965	92	154551	5.044	ug/l	96
50) t-1,3-Dichloropropene	8.206	75	73875	4.916	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	93513	5.085	ug/l	93
52) 1,1,2-Trichloroethane	8.393	97	41555	4.527	ug/l	98
53) 1,3-Dichloropropane	8.569	76	76118	4.852	ug/l	99
54) 2-Hexanone	8.682	43	148967	20.008	ug/l	98
55) Dibromochloromethane	8.804	129	50803	4.586	ug/l	100
56) 1,2-Dibromoethane	8.917	107	39014	4.652	ug/l	98
58) Tetrachloroethene	8.547	164	58340	4.165	ug/l	92
59) Chlorobenzene	9.441	112	168685	4.985	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.528	131	58157	4.822	ug/l	96
61) Pentachloroethane	11.421	117	41668	5.105	ug/l	87
62) Hexachloroethane	12.470	117	44463	4.825	ug/l	97
63) Ethyl Benzene	9.563	91	305286	5.316	ug/l	98
64) m/p-Xylenes	9.688	106	219390	9.938	ug/l	95
65) o-Xylene	10.093	106	108425	5.005	ug/l	94
66) Styrene	10.110	104	163134	4.816	ug/l	95
67) Bromoform	10.286	173	26410	4.438	ug/l	100
69) Isopropylbenzene	10.479	105	287027	5.147	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	51162	4.767	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	40515m	4.554	ug/l	
72) Bromobenzene	10.778	156	60394	4.538	ug/l	95
73) n-propylbenzene	10.901	120	70868	4.272	ug/l	97
74) 2-Chlorotoluene	10.981	126	66710	4.990	ug/l	99
75) 1,3,5-Trimethylbenzene	11.081	105	243550	4.481	ug/l	99
76) 4-Chlorotoluene	11.093	126	65529	4.810	ug/l	94
77) tert-Butylbenzene	11.415	119	222547	4.474	ug/l	99
78) 1,2,4-Trimethylbenzene	11.460	105	248060	4.546	ug/l	99
79) sec-Butylbenzene	11.637	105	274804	4.261	ug/l	99
80) Nitrobenzene	13.206	77	5151	16.023	ug/l	92
81) p-Isopropyltoluene	11.788	119	242543	4.581	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	122099	4.495	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	116673	4.438	ug/l	96
84) n-Butylbenzene	12.203	91	231054	5.060	ug/l	99
85) 1,2-Dichlorobenzene	12.206	146	110809	4.464	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.990	75	7495	4.892	ug/l	97
87) 1,2,4-Trichlorobenzene	13.833	180	67307	4.344	ug/l	99
88) Hexachlorobutadiene	14.013	225	42290	4.515	ug/l	99
89) Naphthalene	14.084	128	95556	4.124	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	52957	4.002	ug/l	96

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

