Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013124\
Data File : VU057758.D
Acq On : 31 Jan 2024 10:39
Operator : MD/SY
Sample : VSTDICC0.5
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC0.5

Manual Integrations APPROVED

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

Quant Time: Jan 31 15:31:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jan 31 15:31:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.113	96	42882	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	15158	0.934	ug/l	0.00
Spiked Amount 1.000			Recovery =	93.000%		
68) 1,2-Dichlorobenzene-d4	12.193	152	13594	0.930	ug/l	0.00
Spiked Amount 1.000			Recovery =	93.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	7668	0.537	ug/l	100
3) Chloromethane	1.518	50	7898	0.576	ug/l	98
4) Vinyl Chloride	1.602	62	7496	0.537	ug/l	92
5) Bromomethane	1.856	94	4580	0.552	ug/l	98
6) Chloroethane	1.933	64	4861	0.551	ug/l	93
7) Trichlorofluoromethane	2.136	101	11157	0.522	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.580	101	5929	0.539	ug/l	98
9) 1,1-Dichloroethene	2.576	96	5544	0.520	ug/l	88
11) Allyl Chloride	2.920	41	7709	0.533	ug/l	89
12) Acrylonitrile	3.351	53	1526	0.820	ug/l #	75
13) Acetone	2.653	43	8049	2.445	ug/l	96
14) Carbon Disulfide	2.792	76	18333	0.537	ug/l	97
15) Methylene Chloride	3.043	84	7848	0.617	ug/l	93
16) trans-1,2-Dichloroethene	3.351	96	6041	0.519	ug/l	90
17) 1,1-Dichloroethane	3.869	63	11561	0.526	ug/l	98
18) 2-Butanone	4.743	43	7932	2.236	ug/l	93
19) Cyclohexane	5.386	56	9479	0.551	ug/l	97
20) Methylcyclohexane	6.759	83	10149	0.488	ug/l	99
21) 2,2-Dichloropropane	4.657	77	10525	0.540	ug/l	92
22) cis-1,2-Dichloroethene	4.669	96	6942	0.545	ug/l	98
23) Diethyl Ether	2.374	59	4115	0.535	ug/l	91
25) Methyl tert-Butyl Ether	3.361	73	12838	0.513	ug/l #	90
26) Bromochloromethane	4.975	128	2667	0.521	ug/l	95
27) Chloroform	5.084	83	11624	0.509	ug/l	97
28) 1,1,1-Trichloroethane	5.313	97	10650	0.516	ug/l	97
29) 1,1-Dichloropropene	5.525	75	8956	0.537	ug/l	93
30) Carbon Tetrachloride	5.522	117	8874	0.499	ug/l	99
31) Isopropyl Ether	3.988	45	16135	0.502	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	14955	0.501	ug/l	99
33) Tert-Amyl methyl ether	5.936	73	12215	0.486	ug/l	97
34) Propionitrile	4.824	54	1451m	3.602	ug/l	
35) Benzene	5.772	78	24619	0.513	ug/l	100
36) 1,2-Dichloroethane	5.795	62	7117	0.508	ug/l	97
37) Trichloroethene	6.544	130	6705	0.526	ug/l	98
38) 1,2-Dichloropropane	6.788	63	6333	0.508	ug/l	95
39) Methacrylonitrile	4.994	41	1424m	0.488	ug/l	
40) Methyl acrylate	4.878	55	1456	0.845	ug/l #	74
41) Tetrahydrofuran	5.078	42	1612	1.030	ug/l #	73
42) 1-Chlorobutane	5.457	56	11750	0.534	ug/l	93
43) Dibromomethane	6.917	93	2977	0.520	ug/l	96
44) Bromodichloromethane	7.103	83	8234	0.513	ug/l	99
45) 4-Methyl-2-Pentanone	7.795	43	14248	2.334	ug/l	99
46) t-1,4-Dichloro-2-butene	10.843	75	1213m	1.432	ug/l	

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jan 31 15:31:08 2024
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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
47) Methyl methacrylate	6.965	69	4725	0.934 ug/l #	88
48) Ethyl methacrylate	8.338	69	4747	0.468 ug/l	94
49) Toluene	7.968	92	14809	0.505 ug/l	97
50) t-1,3-Dichloropropene	8.213	75	6458	0.466 ug/l	98
51) cis-1,3-Dichloropropene	7.608	75	8608	0.491 ug/l	92
52) 1,1,2-Trichloroethane	8.396	97	3909	0.495 ug/l	95
53) 1,3-Dichloropropane	8.573	76	7346	0.518 ug/l	97
54) 2-Hexanone	8.692	43	13829	2.461 ug/l	97
55) Dibromochloromethane	8.808	129	4969	0.509 ug/l	95
56) 1,2-Dibromoethane	8.923	107	3373	0.464 ug/l	94
58) Tetrachloroethene	8.550	164	5971	0.530 ug/l	96
59) Chlorobenzene	9.447	112	16212	0.500 ug/l	91
60) 1,1,1,2-Tetrachloroethane	9.528	131	5625	0.511 ug/l	93
61) Pentachloroethane	11.425	117	3604	0.450 ug/l	89
62) Hexachloroethane	12.470	117	3981	0.861 ug/l	95
63) Ethyl Benzene	9.570	91	28155	0.488 ug/l	98
64) m/p-Xylenes	9.692	106	19567	0.934 ug/l	91
65) o-Xylene	10.097	106	9779	0.471 ug/l	88
66) Styrene	10.116	104	13778	0.445 ug/l	94
67) Bromoform	10.290	173	2281	0.454 ug/l #	95
69) Isopropylbenzene	10.483	105	25784	0.474 ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.779	83	4727	0.478 ug/l	100
71) 1,2,3-Trichloropropane	10.824	75	4011m	0.498 ug/l	
72) Bromobenzene	10.785	156	5861	0.490 ug/l	88
73) n-propylbenzene	10.904	120	6576	0.481 ug/l	94
74) 2-Chlorotoluene	10.984	126	6094	0.481 ug/l	94
75) 1,3,5-Trimethylbenzene	11.084	105	22095	0.473 ug/l	100
76) 4-Chlorotoluene	11.097	126	6117	0.480 ug/l	95
77) tert-Butylbenzene	11.415	119	21350	0.487 ug/l	96
78) 1,2,4-Trimethylbenzene	11.467	105	22330	0.471 ug/l	98
79) sec-Butylbenzene	11.640	105	28358	0.506 ug/l	97
80) Nitrobenzene	13.232	77	349	3.260 ug/l #	40
81) p-Isopropyltoluene	11.791	119	22494	0.476 ug/l	96
82) 1,3-Dichlorobenzene	11.746	146	12104	0.500 ug/l	99
83) 1,4-Dichlorobenzene	11.836	146	12014	0.509 ug/l	98
84) n-Butylbenzene	12.209	91	20767	0.460 ug/l	99
85) 1,2-Dichlorobenzene	12.213	146	11067	0.504 ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.004	75	475	0.562 ug/l	95
87) 1,2,4-Trichlorobenzene	13.843	180	5676	0.433 ug/l	89
88) Hexachlorobutadiene	14.016	225	4421	0.525 ug/l	93
90) 1,2,3-Trichlorobenzene	14.328	180	5445	0.499 ug/l	92

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

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