Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020124\
Data File : VU057778.D
Acq On : 01 Feb 2024 15:07
Operator : MD/SY
Sample : P1187-08
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Feb 02 01:22:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U013124DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Feb 02 01:21:28 2024
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT1-2024

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 02/08/2024
Supervised By :Mahesh Dadoda 02/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.110	96	43519	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	15036	0.912	ug/l	0.00
Spiked Amount 1.000			Recovery =	91.000%		
68) 1,2-Dichlorobenzene-d4	12.190	152	13186	0.889	ug/l	0.00
Spiked Amount 1.000			Recovery =	89.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	13095	0.904	ug/l	96
3) Chloromethane	1.518	50	12884	0.927	ug/l	97
4) Vinyl Chloride	1.602	62	13223	0.933	ug/l	97
5) Bromomethane	1.856	94	8331	0.990	ug/l	96
6) Chloroethane	1.933	64	8406	0.939	ug/l	96
7) Trichlorofluoromethane	2.136	101	19498	0.898	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	10400	0.932	ug/l	99
9) 1,1-Dichloroethene	2.573	96	10220	0.945	ug/l	84
10) Iodomethane	2.718	142	11748	0.916	ug/l	98
11) Allyl Chloride	2.917	41	14154	0.965	ug/l	91
12) Acrylonitrile	3.341	53	3387	1.835	ug/l #	91
13) Acetone	2.650	43	16887	5.055	ug/l	91
14) Carbon Disulfide	2.788	76	31774	0.918	ug/l	99
15) Methylene Chloride	3.039	84	13148	1.018	ug/l	92
16) trans-1,2-Dichloroethene	3.348	96	11095	0.940	ug/l	88
17) 1,1-Dichloroethane	3.859	63	20771	0.932	ug/l	98
18) 2-Butanone	4.727	43	14221	3.950	ug/l	95
19) Cyclohexane	5.383	56	15657	0.896	ug/l	83
20) Methylcyclohexane	6.756	83	18501	0.876	ug/l	96
21) 2,2-Dichloropropane	4.660	77	17814	0.900	ug/l	98
22) cis-1,2-Dichloroethene	4.663	96	12062	0.933	ug/l	97
23) Diethyl Ether	2.374	59	7219	0.925	ug/l	92
24) tert-Butyl Alcohol	3.303	59	9182m	10.348	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	23965	0.944	ug/l	93
26) Bromochloromethane	4.971	128	4265	0.821	ug/l	91
27) Chloroform	5.084	83	22470	0.970	ug/l	99
28) 1,1,1-Trichloroethane	5.309	97	19098	0.913	ug/l	98
29) 1,1-Dichloropropene	5.525	75	15639	0.924	ug/l	97
30) Carbon Tetrachloride	5.518	117	15983	0.886	ug/l	94
31) Isopropyl Ether	3.984	45	31441	0.964	ug/l	93
32) Ethyl-t-butyl ether	4.492	59	29198	0.964	ug/l	100
33) Tert-Amyl methyl ether	5.933	73	23583	0.925	ug/l	98
34) Propionitrile	4.827	54	2596m	3.479	ug/l	
35) Benzene	5.769	78	45483	0.933	ug/l	95
36) 1,2-Dichloroethane	5.791	62	13368	0.941	ug/l	97
37) Trichloroethene	6.537	130	12510	0.966	ug/l	99
38) 1,2-Dichloropropane	6.785	63	11650	0.922	ug/l	96
39) Methacrylonitrile	4.988	41	2467m	0.829	ug/l	
40) Methyl acrylate	4.872	55	4197m	0.937	ug/l	
41) Tetrahydrofuran	5.074	42	2679	1.687	ug/l	95
42) 1-Chlorobutane	5.454	56	21419	0.960	ug/l	95
43) Dibromomethane	6.914	93	5672	0.976	ug/l	88
44) Bromodichloromethane	7.100	83	14748	0.906	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	27715	4.474	ug/l		97
46) t-1,4-Dichloro-2-butene	10.836	75	2626m	1.866	ug/l		
47) Methyl methacrylate	6.965	69	8670	1.688	ug/l	#	87
48) Ethyl methacrylate	8.331	69	8436	0.820	ug/l		88
49) Toluene	7.965	92	26696	0.897	ug/l		100
50) t-1,3-Dichloropropene	8.209	75	11689	0.832	ug/l		97
51) cis-1,3-Dichloropropene	7.605	75	15932	0.895	ug/l		94
52) 1,1,2-Trichloroethane	8.396	97	7278	0.909	ug/l		98
53) 1,3-Dichloropropane	8.573	76	13290	0.923	ug/l		98
54) 2-Hexanone	8.688	43	24801	4.349	ug/l		92
55) Dibromochloromethane	8.804	129	8810	0.889	ug/l		97
56) 1,2-Dibromoethane	8.920	107	6804	0.923	ug/l		97
58) Tetrachloroethene	8.550	164	10817	0.947	ug/l		94
59) Chlorobenzene	9.444	112	30152	0.916	ug/l		100
60) 1,1,1,2-Tetrachloroethane	9.528	131	9597	0.859	ug/l		97
61) Pentachloroethane	11.421	117	6978	0.859	ug/l		95
62) Hexachloroethane	12.470	117	6744	0.761	ug/l		95
63) Ethyl Benzene	9.566	91	51148	0.874	ug/l		99
64) m/p-Xylenes	9.688	106	37549	1.766	ug/l		97
65) o-Xylene	10.097	106	18084	0.859	ug/l		94
66) Styrene	10.113	104	26001	0.828	ug/l		93
67) Bromoform	10.290	173	4182	0.820	ug/l		94
69) Isopropylbenzene	10.479	105	46747	0.847	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.778	83	8785	0.875	ug/l		97
71) 1,2,3-Trichloropropane	10.820	75	7490m	0.904	ug/l		
72) Bromobenzene	10.782	156	11120	0.916	ug/l		88
73) n-propylbenzene	10.900	120	14863	1.072	ug/l		96
74) 2-Chlorotoluene	10.981	126	11577	0.900	ug/l		95
75) 1,3,5-Trimethylbenzene	11.084	105	41412	0.874	ug/l		100
76) 4-Chlorotoluene	11.097	126	11348	0.878	ug/l		94
77) tert-Butylbenzene	11.415	119	38748	0.871	ug/l		98
78) 1,2,4-Trimethylbenzene	11.463	105	41601	0.865	ug/l		97
79) sec-Butylbenzene	11.637	105	50479	0.888	ug/l		99
80) Nitrobenzene	13.235	77	698	3.547	ug/l	#	57
81) p-Isopropyltoluene	11.788	119	42126	0.879	ug/l		98
82) 1,3-Dichlorobenzene	11.743	146	20745	0.845	ug/l		97
83) 1,4-Dichlorobenzene	11.833	146	20965	0.875	ug/l		97
84) n-Butylbenzene	12.206	91	38980	0.850	ug/l		100
85) 1,2-Dichlorobenzene	12.209	146	19897	0.893	ug/l		98
86) 1,2-Dibromo-3-Chloropr...	12.997	75	1251	0.911	ug/l	#	78
87) 1,2,4-Trichlorobenzene	13.839	180	10678	0.802	ug/l		99
88) Hexachlorobutadiene	14.016	225	7409	0.868	ug/l		98
89) Naphthalene	14.090	128	15202	0.740	ug/l		96
90) 1,2,3-Trichlorobenzene	14.328	180	9010	0.814	ug/l		98

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

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