Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020124\
Data File : VU057772.D
Acq On : 01 Feb 2024 12:07
Operator : MD/SY
Sample : P1187-07
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 02 01:21:50 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 :
LOD-MDL-WATER-01-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	40102	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.631	95	14307	0.942	ug/l		0.00
Spiked Amount 1.000			Recovery =	94.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	12769	0.934	ug/l		0.00
Spiked Amount 1.000			Recovery =	93.000%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.380	85	3126	0.234	ug/l		99
3) Chloromethane	1.515	50	3567	0.278	ug/l		97
4) Vinyl Chloride	1.599	62	3120	0.239	ug/l		89
5) Bromomethane	1.853	94	2190	0.282	ug/l		81
6) Chloroethane	1.930	64	1850	0.224	ug/l		99
7) Trichlorofluoromethane	2.132	101	4271	0.213	ug/l	#	80
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	2324	0.226	ug/l		98
9) 1,1-Dichloroethene	2.576	96	2344	0.235	ug/l		85
10) Iodomethane	2.714	142	2690	0.228	ug/l		97
11) Allyl Chloride	2.917	41	3504	0.259	ug/l		87
12) Acrylonitrile	3.357	53	559m	0.329	ug/l		
13) Acetone	2.657	43	3506	1.139	ug/l	#	83
14) Carbon Disulfide	2.785	76	7625	0.239	ug/l		99
15) Methylene Chloride	3.039	84	4253	0.357	ug/l		98
16) trans-1,2-Dichloroethene	3.345	96	2572	0.236	ug/l		91
17) 1,1-Dichloroethane	3.862	63	4897	0.238	ug/l	#	83
18) 2-Butanone	4.772	43	4216m	1.271	ug/l		
19) Cyclohexane	5.380	56	4157	0.258	ug/l		97
20) Methylcyclohexane	6.759	83	4125	0.212	ug/l		93
21) 2,2-Dichloropropane	4.656	77	4187	0.230	ug/l	#	90
22) cis-1,2-Dichloroethene	4.666	96	2764	0.232	ug/l		88
23) Diethyl Ether	2.367	59	1780	0.247	ug/l	#	84
24) tert-Butyl Alcohol	3.284	59	1356m	1.658	ug/l		
25) Methyl tert-Butyl Ether	3.354	73	5441	0.233	ug/l		93
27) Chloroform	5.078	83	5293	0.248	ug/l		100
28) 1,1,1-Trichloroethane	5.309	97	4626	0.240	ug/l		95
29) 1,1-Dichloropropene	5.525	75	3338	0.214	ug/l		99
30) Carbon Tetrachloride	5.518	117	3812	0.229	ug/l		94
31) Isopropyl Ether	3.984	45	7244	0.241	ug/l		92
32) Ethyl-t-butyl ether	4.486	59	6549	0.235	ug/l		100
33) Tert-Amyl methyl ether	5.936	73	5517	0.235	ug/l		97
34) Propionitrile	4.856	54	228m	0.332	ug/l		
35) Benzene	5.775	78	10113	0.225	ug/l		98
36) 1,2-Dichloroethane	5.795	62	2917	0.223	ug/l	#	84
37) Trichloroethene	6.544	130	2719	0.228	ug/l		87
38) 1,2-Dichloropropane	6.785	63	2590	0.222	ug/l	#	88
41) Tetrahydrofuran	5.091	42	568m	0.388	ug/l		
42) 1-Chlorobutane	5.457	56	4999	0.243	ug/l		99
43) Dibromomethane	6.917	93	1168	0.218	ug/l	#	66
44) Bromodichloromethane	7.100	83	3521	0.235	ug/l		92
45) 4-Methyl-2-Pentanone	7.798	43	6349	1.112	ug/l		96
46) t-1,4-Dichloro-2-butene	10.836	75	608m	0.469	ug/l		
47) Methyl methacrylate	6.975	69	2022	0.427	ug/l		84

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
49) Toluene	7.968	92	6183	0.225	ug/l		97
50) t-1,3-Dichloropropene	8.209	75	2803	0.216	ug/l		93
51) cis-1,3-Dichloropropene	7.605	75	3493	0.213	ug/l	#	86
52) 1,1,2-Trichloroethane	8.396	97	1521	0.206	ug/l	#	85
53) 1,3-Dichloropropane	8.573	76	3129	0.236	ug/l		98
54) 2-Hexanone	8.695	43	6599	1.256	ug/l		80
55) Dibromochloromethane	8.807	129	1979	0.217	ug/l		91
56) 1,2-Dibromoethane	8.926	107	1420	0.209	ug/l		90
58) Tetrachloroethene	8.553	164	2327	0.221	ug/l		91
59) Chlorobenzene	9.447	112	6965	0.230	ug/l		98
61) Pentachloroethane	11.421	117	1614	0.216	ug/l		95
63) Ethyl Benzene	9.569	91	11889	0.220	ug/l		95
64) m/p-Xylenes	9.692	106	8711	0.445	ug/l		93
65) o-Xylene	10.097	106	4145	0.214	ug/l		91
66) Styrene	10.119	104	6050	0.209	ug/l		93
69) Isopropylbenzene	10.479	105	11646	0.229	ug/l		95
72) Bromobenzene	10.782	156	2519	0.225	ug/l		82
73) n-propylbenzene	10.904	120	3230	0.253	ug/l		92
74) 2-Chlorotoluene	10.981	126	2666	0.225	ug/l		99
75) 1,3,5-Trimethylbenzene	11.087	105	9330	0.214	ug/l		97
76) 4-Chlorotoluene	11.097	126	2518	0.211	ug/l		83
77) tert-Butylbenzene	11.415	119	9561	0.233	ug/l		98
78) 1,2,4-Trimethylbenzene	11.467	105	9920	0.224	ug/l		98
79) sec-Butylbenzene	11.637	105	12374	0.236	ug/l		99
80) Nitrobenzene	13.228	77	44	0.243	ug/l	#	40
81) p-Isopropyltoluene	11.791	119	9827	0.222	ug/l		97
82) 1,3-Dichlorobenzene	11.746	146	5096	0.225	ug/l		96
83) 1,4-Dichlorobenzene	11.836	146	5349	0.242	ug/l		99
84) n-Butylbenzene	12.209	91	10082	0.239	ug/l		97
85) 1,2-Dichlorobenzene	12.209	146	4804	0.234	ug/l		91
87) 1,2,4-Trichlorobenzene	13.846	180	3615	0.295	ug/l		92
88) Hexachlorobutadiene	14.013	225	2168	0.275	ug/l		90
89) Naphthalene	14.093	128	6445	0.340	ug/l	#	93
90) 1,2,3-Trichlorobenzene	14.328	180	3322	0.326	ug/l		97

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

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