Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021023\
Data File : VU053038.D
Acq On : 10 Feb 2023 15:16
Operator : JC/MD
Sample : 01378-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-01

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/13/2023
Supervised By :Mahesh Dadoda 02/13/2023

Quant Time: Feb 10 23:49:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021023WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Feb 10 23:20:41 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	122413	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	106594	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	50082	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	28957	4.938	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 98.800%			
7) Chloroethane-d5	1.910	69	28304	5.135	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 102.600%			
11) 1,1-Dichloroethene-d2	2.563	65	12327	4.583	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 91.600%			
20) 2-Butanone-d5	4.649	46	95287	53.054	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 106.100%			
24) Chloroform-d	5.058	84	65972	4.889	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.800%			
26) 1,2-Dichloroethane-d4	5.698	65	35178	5.174	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 103.400%			
32) Benzene-d6	5.723	84	123700	5.164	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 103.200%			
36) 1,2-Dichloropropane-d6	6.688	67	43861	5.257	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 105.200%			
41) Toluene-d8	7.894	98	107608	4.973	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 99.400%			
43) trans-1,3-Dichloroprop...	8.177	79	17655	5.227	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 104.600%			
46) 2-Hexanone-d5	8.633	63	84404	56.290	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 112.580%			
56) 1,1,2,2-Tetrachloroeth...	10.752	84	38517	5.376	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 107.600%			
66) 1,2-Dichlorobenzene-d4	12.189	152	40108	5.361	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 107.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	2291	0.255	ug/L #	82
3) Chloromethane	1.518	50	2528	0.270	ug/L	91
5) Vinyl chloride	1.601	62	2164	0.210	ug/L #	51
6) Bromomethane	1.855	94	1621	0.253	ug/L	99
8) Chloroethane	1.933	64	1473	0.242	ug/L	96
9) Trichlorofluoromethane	2.138	101	3139	0.221	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	2001	0.256	ug/L	93
12) 1,1-Dichloroethene	2.576	96	2122	0.293	ug/L #	1
14) Carbon disulfide	2.791	76	5430	0.248	ug/L	96
15) Methyl Acetate	2.968	43	750m	0.238	ug/L	
16) Methylene chloride	3.039	84	5352	0.639	ug/L	93
17) Methyl tert-butyl Ether	3.360	73	3884	0.198	ug/L #	94
18) trans-1,2-Dichloroethene	3.350	96	1786	0.233	ug/L	93
19) 1,1-Dichloroethane	3.868	63	3338	0.231	ug/L #	92
21) 2-Butanone	4.727	43	5376m	2.823	ug/L	
22) cis-1,2-Dichloroethene	4.666	96	2074	0.240	ug/L	94
23) Bromochloromethane	4.968	128	650	0.190	ug/L	98
27) 1,2-Dichloroethane	5.794	62	2086	0.225	ug/L #	92
29) 1,1,1-Trichloroethane	5.305	97	3155	0.248	ug/L #	91

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Cyclohexane	5.386	56	3099	0.243	ug/L	#	92
31) Carbon tetrachloride	5.524	117	2293	0.216	ug/L		91
33) Benzene	5.772	78	8038	0.262	ug/L		100
35) Methylcyclohexane	6.756	83	3524	0.252	ug/L		99
37) 1,2-Dichloropropane	6.788	63	2111	0.252	ug/L	#	90
38) Bromodichloromethane	7.103	83	2665	0.246	ug/L		96
39) cis-1,3-Dichloropropene	7.604	75	3135	0.235	ug/L		93
40) 4-Methyl-2-pentanone	7.791	43	10653	2.440	ug/L	#	88
42) Toluene	7.968	91	7977	0.239	ug/L		90
44) trans-1,3-Dichloropropene	8.209	75	2658	0.242	ug/L		94
45) 1,1,2-Trichloroethane	8.399	97	1461	0.242	ug/L	#	83
47) Tetrachloroethene	8.556	164	1237	0.220	ug/L		96
48) 2-Hexanone	8.685	43	12569	3.922	ug/L	#	98
49) Dibromochloromethane	8.807	129	1317	0.200	ug/L		92
50) 1,2-Dibromoethane	8.916	107	1431	0.257	ug/L	#	95
51) Chlorobenzene	9.444	112	4951	0.238	ug/L		99
52) Ethylbenzene	9.569	91	8938	0.236	ug/L		96
53) m,p-Xylene	9.691	106	3270	0.231	ug/L		96
54) o-Xylene	10.096	106	3181	0.232	ug/L		95
55) Styrene	10.116	104	4917	0.221	ug/L		94
57) 1,1,2,2-Tetrachloroethane	10.778	83	2213	0.290	ug/L	#	88
59) Bromoform	10.289	173	763	0.210	ug/L	#	88
60) Isopropylbenzene	10.482	105	8336	0.230	ug/L		96
61) 1,2,3-Trichloropropane	10.820	75	1121	0.233	ug/L	#	86
62) 1,3,5-Trimethylbenzene	11.087	105	7130	0.233	ug/L		100
63) 1,2,4-Trimethylbenzene	11.466	105	7158	0.234	ug/L		96
64) 1,3-Dichlorobenzene	11.742	146	3412	0.233	ug/L		93
65) 1,4-Dichlorobenzene	11.832	146	3378	0.230	ug/L		96
67) 1,2-Dichlorobenzene	12.209	146	3280	0.240	ug/L		93
69) 1,3,5-Trichlorobenzene	13.221	180	2074	0.198	ug/L		96

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

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