Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
Data File : VU056832.D
Acq On : 14 Dec 2023 12:29
Operator : MD/SY
Sample : 04696-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 15 01:07:49 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Dec 15 00:49:12 2023
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Difluorobenzene	6.245	114	229712	5.000 ug/L	0.00
28) Chlorobenzene-d5	9.412	117	235192	5.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	98309	5.000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.596	65	73765	3.746 ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 75.000%		
7) Chloroethane-d5	1.911	69	63230	4.291 ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 85.800%		
11) 1,1-Dichloroethene-d2	2.563	65	34290	4.070 ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 81.400%		
20) 2-Butanone-d5	4.624	46	217468	55.926 ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 111.860%		
24) Chloroform-d	5.055	84	183096	4.911 ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 98.200%		
26) 1,2-Dichloroethane-d4	5.695	65	91282	5.174 ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 103.400%		
32) Benzene-d6	5.721	84	338568	4.641 ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 92.800%		
36) 1,2-Dichloropropane-d6	6.685	67	108714	4.761 ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 95.200%		
41) Toluene-d8	7.894	98	271540	4.165 ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 83.200%		
43) trans-1,3-Dichloroprop...	8.177	79	37940	4.285 ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 85.600%		
46) 2-Hexanone-d5	8.631	63	158351	47.415 ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 94.840%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	82797	5.012 ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 100.200%		
66) 1,2-Dichlorobenzene-d4	12.190	152	97394	5.040 ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 100.800%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.380	85	4973	0.207 ug/L #	87
3) Chloromethane	1.515	50	7177	0.303 ug/L	96
5) Vinyl chloride	1.602	62	5631	0.240 ug/L #	1
6) Bromomethane	1.853	94	3378	0.244 ug/L	88
8) Chloroethane	1.927	64	3280	0.238 ug/L	85
9) Trichlorofluoromethane	2.136	101	7015	0.212 ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	5219	0.257 ug/L #	88
12) 1,1-Dichloroethene	2.576	96	4860	0.261 ug/L #	1
14) Carbon disulfide	2.788	76	14048	0.217 ug/L	100
15) Methyl Acetate	2.965	43	1675m	0.260 ug/L	
17) Methyl tert-butyl Ether	3.354	73	9075	0.219 ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	4308	0.228 ug/L	78
19) 1,1-Dichloroethane	3.866	63	8229	0.226 ug/L #	84
21) 2-Butanone	4.724	43	12706m	3.179 ug/L	
22) cis-1,2-Dichloroethene	4.660	96	4521	0.220 ug/L	92
23) Bromochloromethane	4.975	128	1870	0.217 ug/L	99
27) 1,2-Dichloroethane	5.798	62	5493	0.244 ug/L #	95
29) 1,1,1-Trichloroethane	5.309	97	7058	0.208 ug/L	95
31) Carbon tetrachloride	5.518	117	6623	0.224 ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
33) Benzene	5.769	78	18578	0.225	ug/L		100
37) 1,2-Dichloropropane	6.782	63	4462	0.211	ug/L	#	93
38) Bromodichloromethane	7.103	83	6066	0.225	ug/L		87
39) cis-1,3-Dichloropropene	7.608	75	6191	0.201	ug/L		90
40) 4-Methyl-2-pentanone	7.791	43	21359	2.127	ug/L	#	86
42) Toluene	7.965	91	19593	0.229	ug/L		96
44) trans-1,3-Dichloropropene	8.213	75	5623m	0.223	ug/L		
45) 1,1,2-Trichloroethane	8.399	97	3132	0.219	ug/L	#	82
47) Tetrachloroethene	8.550	164	3201	0.202	ug/L		90
48) 2-Hexanone	8.685	43	22186	3.103	ug/L		96
49) Dibromochloromethane	8.801	129	3251	0.198	ug/L		90
50) 1,2-Dibromoethane	8.923	107	3019	0.228	ug/L	#	90
51) Chlorobenzene	9.444	112	11741	0.215	ug/L		94
52) Ethylbenzene	9.569	91	17254	0.183	ug/L		99
53) m,p-Xylene	9.692	106	7189	0.205	ug/L		83
54) o-Xylene	10.097	106	6807	0.203	ug/L		85
55) Styrene	10.113	104	9070	0.165	ug/L		91
57) 1,1,2,2-Tetrachloroethane	10.775	83	3777	0.219	ug/L	#	89
59) Bromoform	10.286	173	1938	0.241	ug/L	#	86
60) Isopropylbenzene	10.479	105	14502	0.187	ug/L		96
61) 1,2,3-Trichloropropane	10.820	75	2218	0.210	ug/L	#	84
62) 1,3,5-Trimethylbenzene	11.084	105	11449	0.180	ug/L		96
63) 1,2,4-Trimethylbenzene	11.463	105	10983	0.174	ug/L		96
64) 1,3-Dichlorobenzene	11.743	146	9103	0.248	ug/L		95
65) 1,4-Dichlorobenzene	11.833	146	10475	0.290	ug/L		95
67) 1,2-Dichlorobenzene	12.206	146	11977	0.358	ug/L		91
69) 1,3,5-Trichlorobenzene	13.222	180	5290	0.191	ug/L		93

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

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