Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121423\
Data File : VU056831.D
Acq On : 14 Dec 2023 12:04
Operator : MD/SY
Sample : 04696-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-07

Manual Integrations APPROVED

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

Quant Time: Dec 15 01:05:45 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	240561	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	246135	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	100087	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	76169	3.694	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 73.800%			
7) Chloroethane-d5	1.911	69	70226	4.551	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 91.000%			
11) 1,1-Dichloroethene-d2	2.563	65	36255	4.109	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 82.200%			
20) 2-Butanone-d5	4.631	46	226482	55.617	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 111.240%			
24) Chloroform-d	5.055	84	189318	4.848	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.000%			
26) 1,2-Dichloroethane-d4	5.695	65	95172	5.151	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 103.000%			
32) Benzene-d6	5.721	84	347349	4.550	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.000%			
36) 1,2-Dichloropropane-d6	6.685	67	112670	4.715	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 94.400%			
41) Toluene-d8	7.894	98	281059	4.119	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 82.400%			
43) trans-1,3-Dichloroprop...	8.177	79	41525	4.481	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 89.600%			
46) 2-Hexanone-d5	8.631	63	160602	45.951	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 91.900%			
56) 1,1,2,2-Tetrachloroeth...	10.750	84	85899	4.968	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 99.400%			
66) 1,2-Dichlorobenzene-d4	12.187	152	98837	5.024	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	5205	0.206	ug/L	96
3) Chloromethane	1.515	50	8189	0.330	ug/L	99
5) Vinyl chloride	1.602	62	6136	0.249	ug/L #	1
6) Bromomethane	1.856	94	3634	0.250	ug/L	98
8) Chloroethane	1.933	64	3590	0.249	ug/L	91
9) Trichlorofluoromethane	2.136	101	8297	0.239	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	5305	0.249	ug/L #	87
12) 1,1-Dichloroethene	2.576	96	4897	0.251	ug/L #	1
14) Carbon disulfide	2.788	76	14312	0.211	ug/L	98
15) Methyl Acetate	2.975	43	1421m	0.210	ug/L	
17) Methyl tert-butyl Ether	3.358	73	8829	0.204	ug/L	95
18) trans-1,2-Dichloroethene	3.348	96	3901	0.197	ug/L	98
19) 1,1-Dichloroethane	3.869	63	9064	0.238	ug/L	97
21) 2-Butanone	4.721	43	12391m	2.961	ug/L	
22) cis-1,2-Dichloroethene	4.663	96	4558	0.212	ug/L	96
23) Bromochloromethane	4.975	128	1943	0.215	ug/L #	92
27) 1,2-Dichloroethane	5.795	62	5376	0.228	ug/L #	89
29) 1,1,1-Trichloroethane	5.309	97	7832	0.220	ug/L	92
30) Cyclohexane	5.386	56	6489	0.194	ug/L	98

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	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
31)	Carbon tetrachloride	5.521	117	6597	0.213	ug/L		97
33)	Benzene	5.772	78	19872	0.230	ug/L		100
37)	1,2-Dichloropropane	6.785	63	5494	0.248	ug/L	#	96
38)	Bromodichloromethane	7.100	83	6277	0.222	ug/L		94
39)	cis-1,3-Dichloropropene	7.608	75	6401	0.198	ug/L		94
40)	4-Methyl-2-pentanone	7.791	43	22098	2.103	ug/L	#	89
42)	Toluene	7.968	91	21292	0.238	ug/L		95
44)	trans-1,3-Dichloropropene	8.206	75	5424	0.205	ug/L		93
45)	1,1,2-Trichloroethane	8.399	97	3120	0.209	ug/L		91
47)	Tetrachloroethene	8.550	164	3272	0.197	ug/L		89
48)	2-Hexanone	8.685	43	21122	2.822	ug/L		94
49)	Dibromochloromethane	8.804	129	3801	0.221	ug/L		99
50)	1,2-Dibromoethane	8.920	107	2746	0.198	ug/L	#	95
51)	Chlorobenzene	9.447	112	12435	0.218	ug/L		98
52)	Ethylbenzene	9.570	91	17802	0.180	ug/L		88
53)	m,p-Xylene	9.692	106	7330	0.199	ug/L		76
54)	o-Xylene	10.103	106	6959	0.199	ug/L		84
57)	1,1,2,2-Tetrachloroethane	10.775	83	3987	0.221	ug/L	#	92
59)	Bromoform	10.290	173	2088	0.256	ug/L	#	82
60)	Isopropylbenzene	10.483	105	14406	0.182	ug/L		95
61)	1,2,3-Trichloropropane	10.820	75	2624	0.244	ug/L	#	79
62)	1,3,5-Trimethylbenzene	11.087	105	10912	0.169	ug/L		96
63)	1,2,4-Trimethylbenzene	11.467	105	10396	0.162	ug/L		92
64)	1,3-Dichlorobenzene	11.743	146	8591	0.230	ug/L		97
65)	1,4-Dichlorobenzene	11.830	146	9699	0.263	ug/L		99
67)	1,2-Dichlorobenzene	12.209	146	11827	0.347	ug/L		92
69)	1,3,5-Trichlorobenzene	13.219	180	5193	0.184	ug/L		95

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

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