Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060625\
Data File : VU063365.D
Acq On : 06 Jun 2025 20:36
Operator : MD/SY
Sample : Q2117-01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 09 11:58:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060625WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Jun 09 11:34:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	101808	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	105217	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	45799	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	54026	5.409	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 108.200%			
7) Chloroethane-d5	1.898	69	43754	5.597	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 112.000%			
11) 1,1-Dichloroethene-d2	2.551	65	18708	5.376	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 107.600%			
20) 2-Butanone-d5	4.615	46	120013	56.423	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 112.840%			
24) Chloroform-d	5.052	84	84294	5.387	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 107.800%			
26) 1,2-Dichloroethane-d4	5.692	65	44659	5.614	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 112.200%			
32) Benzene-d6	5.718	84	166808	5.260	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 105.200%			
36) 1,2-Dichloropropane-d6	6.682	67	58662	5.557	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 111.200%			
41) Toluene-d8	7.891	98	132949	4.935	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 98.600%			
43) trans-1,3-Dichloroprop...	8.174	79	18309	4.978	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 99.600%			
46) 2-Hexanone-d5	8.624	63	81402	50.385	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 100.760%			
56) 1,1,2,2-Tetrachloroeth...	10.746	84	49266	5.376	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 107.600%			
66) 1,2-Dichlorobenzene-d4	12.187	152	45694	5.958	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 119.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	2283	0.240	ug/L	95
3) Chloromethane	1.518	50	3484	0.291	ug/L	97
5) Vinyl chloride	1.596	62	3379	0.261	ug/L #	56
6) Bromomethane	1.840	94	2079	0.295	ug/L	97
8) Chloroethane	1.920	64	2000	0.253	ug/L	96
9) Trichlorofluoromethane	2.123	101	3699	0.252	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.560	101	2610	0.310	ug/L #	86
12) 1,1-Dichloroethene	2.560	96	2344	0.298	ug/L #	1
14) Carbon disulfide	2.776	76	7282	0.266	ug/L	99
15) Methyl Acetate	2.956	43	969m	0.241	ug/L	
16) Methylene chloride	3.033	84	3248	0.323	ug/L	88
17) Methyl tert-butyl Ether	3.358	73	4581	0.229	ug/L #	95
18) trans-1,2-Dichloroethene	3.345	96	2061	0.234	ug/L	86
19) 1,1-Dichloroethane	3.856	63	4455	0.253	ug/L	98
21) 2-Butanone	4.734	43	5636m	2.428	ug/L	
22) cis-1,2-Dichloroethene	4.657	96	2476	0.252	ug/L	96
23) Bromochloromethane	4.965	128	1026	0.226	ug/L #	92
25) Chloroform	5.075	83	4707	0.267	ug/L	86
27) 1,2-Dichloroethane	5.795	62	2815	0.248	ug/L #	94

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QLast Update : Mon Jun 09 11:34:08 2025
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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
30) Cyclohexane	5.377	56	2967	0.198 ug/L	90
31) Carbon tetrachloride	5.509	117	2628	0.219 ug/L	95
33) Benzene	5.766	78	9485	0.237 ug/L	100
35) Methylcyclohexane	6.753	83	3371	0.228 ug/L	95
37) 1,2-Dichloropropane	6.785	63	2972	0.268 ug/L #	90
38) Bromodichloromethane	7.097	83	3170	0.242 ug/L	88
39) cis-1,3-Dichloropropene	7.605	75	3121	0.207 ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	12277	2.057 ug/L #	87
42) Toluene	7.968	91	9425	0.228 ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	3024	0.246 ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	1965	0.248 ug/L	86
48) 2-Hexanone	8.682	43	19716	4.608 ug/L #	91
49) Dibromochloromethane	8.801	129	1958	0.231 ug/L	89
50) 1,2-Dibromoethane	8.923	107	1629	0.223 ug/L #	87
51) Chlorobenzene	9.441	112	6670	0.253 ug/L	88
52) Ethylbenzene	9.566	91	9138	0.215 ug/L	96
53) m,p-Xylene	9.692	106	3343	0.211 ug/L	89
54) o-Xylene	10.097	106	3151	0.209 ug/L	82
55) Styrene	10.116	104	4626	0.180 ug/L	87
57) 1,1,2,2-Tetrachloroethane	10.772	83	2697	0.265 ug/L #	89
59) Bromoform	10.287	173	1053	0.258 ug/L #	94
60) Isopropylbenzene	10.479	105	7517	0.231 ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	1577	0.284 ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	5244	0.209 ug/L	95
63) 1,2,4-Trimethylbenzene	11.467	105	5269	0.219 ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	4373	0.271 ug/L	94
65) 1,4-Dichlorobenzene	11.830	146	4821	0.298 ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	4444	0.293 ug/L	92
69) 1,3,5-Trichlorobenzene	13.222	180	2972	0.277 ug/L	95
70) 1,2,4-trichlorobenzene	13.849	180	2384	0.282 ug/L	94
71) Naphthalene	14.106	128	3705	0.306 ug/L #	88
72) 1,2,3-Trichlorobenzene	14.335	180	2192	0.285 ug/L	93

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

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