Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061025\
Data File : VU063375.D
Acq On : 10 Jun 2025 11:16
Operator : MD/SY
Sample : Q2117-02
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-04

Manual Integrations APPROVED

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

Quant Time: Jun 10 11:40:59 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	6.242	114	92544	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	97411	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	44555	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	44579	4.910	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 98.200%			
7) Chloroethane-d5	1.904	69	37562	5.286	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 105.800%			
11) 1,1-Dichloroethene-d2	2.557	65	16290	5.150	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 103.000%			
20) 2-Butanone-d5	4.615	46	103067	53.306	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery = 106.620%			
24) Chloroform-d	5.052	84	77334	5.437	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 108.800%			
26) 1,2-Dichloroethane-d4	5.692	65	41818	5.784	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 115.600%			
32) Benzene-d6	5.717	84	151308	5.154	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 103.000%			
36) 1,2-Dichloropropane-d6	6.682	67	52335	5.355	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 107.000%			
41) Toluene-d8	7.891	98	117928	4.728	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 94.600%			
43) trans-1,3-Dichloroprop...	8.177	79	17061	5.010	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 100.200%			
46) 2-Hexanone-d5	8.627	63	68296	45.660	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 91.320%			
56) 1,1,2,2-Tetrachloroeth...	10.746	84	43985	5.185	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 103.600%			
66) 1,2-Dichlorobenzene-d4	12.187	152	41064	5.504	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 110.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	2258	0.261	ug/L #	87
3) Chloromethane	1.518	50	3009	0.277	ug/L	98
5) Vinyl chloride	1.599	62	3088	0.262	ug/L #	72
6) Bromomethane	1.849	94	1674	0.261	ug/L	87
8) Chloroethane	1.927	64	1881	0.262	ug/L	90
9) Trichlorofluoromethane	2.129	101	3674	0.275	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	2368	0.310	ug/L #	82
12) 1,1-Dichloroethene	2.566	96	2288	0.320	ug/L #	1
14) Carbon disulfide	2.782	76	6844	0.275	ug/L	99
15) Methyl Acetate	2.959	43	803m	0.220	ug/L	
16) Methylene chloride	3.036	84	2978	0.326	ug/L	92
17) Methyl tert-butyl Ether	3.357	73	4063	0.224	ug/L	96
18) trans-1,2-Dichloroethene	3.345	96	1893	0.237	ug/L	92
19) 1,1-Dichloroethane	3.862	63	4111	0.257	ug/L	93
21) 2-Butanone	4.727	43	6302	2.986	ug/L	82
22) cis-1,2-Dichloroethene	4.656	96	2180	0.244	ug/L	86
23) Bromochloromethane	4.975	128	848	0.205	ug/L #	87
25) Chloroform	5.081	83	4836m	0.302	ug/L	
27) 1,2-Dichloroethane	5.798	62	2926	0.284	ug/L #	90

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Cyclohexane	5.377	56	2732	0.197	ug/L		92
31) Carbon tetrachloride	5.515	117	2752	0.247	ug/L		98
33) Benzene	5.769	78	9367	0.253	ug/L		100
35) Methylcyclohexane	6.756	83	3073	0.224	ug/L	#	94
37) 1,2-Dichloropropane	6.785	63	2648	0.258	ug/L	#	90
38) Bromodichloromethane	7.100	83	2973	0.245	ug/L		98
39) cis-1,3-Dichloropropene	7.605	75	3113	0.223	ug/L		93
40) 4-Methyl-2-pentanone	7.788	43	11247	2.035	ug/L	#	82
42) Toluene	7.965	91	8513	0.222	ug/L		96
44) trans-1,3-Dichloropropene	8.209	75	3179	0.280	ug/L		93
45) 1,1,2-Trichloroethane	8.396	97	1644	0.224	ug/L		96
48) 2-Hexanone	8.682	43	19184	4.843	ug/L		94
49) Dibromochloromethane	8.801	129	1802	0.229	ug/L		89
50) 1,2-Dibromoethane	8.920	107	1572	0.233	ug/L	#	99
51) Chlorobenzene	9.444	112	6217	0.254	ug/L		97
52) Ethylbenzene	9.566	91	8385	0.214	ug/L		97
53) m,p-Xylene	9.688	106	3072	0.209	ug/L		91
54) o-Xylene	10.097	106	2628	0.188	ug/L		100
55) Styrene	10.119	104	4080	0.171	ug/L		94
57) 1,1,2,2-Tetrachloroethane	10.775	83	2566	0.273	ug/L	#	94
59) Bromoform	10.286	173	1022	0.258	ug/L	#	82
60) Isopropylbenzene	10.479	105	6861	0.217	ug/L		98
61) 1,2,3-Trichloropropane	10.820	75	1532	0.283	ug/L		94
62) 1,3,5-Trimethylbenzene	11.084	105	4837	0.198	ug/L		93
63) 1,2,4-Trimethylbenzene	11.466	105	4081	0.174	ug/L		99
64) 1,3-Dichlorobenzene	11.743	146	3956	0.252	ug/L		91
65) 1,4-Dichlorobenzene	11.833	146	4242	0.269	ug/L		91
67) 1,2-Dichlorobenzene	12.206	146	3924	0.266	ug/L		96
68) 1,2-Dibromo-3-chloropr...	13.003	75	135m	0.131	ug/L		
69) 1,3,5-Trichlorobenzene	13.225	180	2515	0.241	ug/L		92
70) 1,2,4-trichlorobenzene	13.849	180	2013	0.244	ug/L	#	86
71) Naphthalene	14.113	128	2228	0.189	ug/L	#	75
72) 1,2,3-Trichlorobenzene	14.335	180	1617	0.216	ug/L		94

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

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