Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112524\
Data File : VV038334.D
Acq On : 25 Nov 2024 11:14
Operator : SY/MD
Sample : P4776-02
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 00:52:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Nov 26 00:39:03 2024
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2024-08

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	197295	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	218642	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	88860	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	42370	2.802	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	56.000%		
7) Chloroethane-d5	1.529	69	45181	3.694	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	73.800%		
11) 1,1-Dichloroethene-d2	2.053	65	19932	3.063	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	61.200%		
20) 2-Butanone-d5	3.825	46	140180	46.338	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery =	92.680%		
24) Chloroform-d	4.240	84	129260	4.404	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	88.000%		
26) 1,2-Dichloroethane-d4	4.941	65	61949	4.704	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	94.000%		
32) Benzene-d6	4.950	84	193163	3.418	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	68.400%#		
36) 1,2-Dichloropropane-d6	5.982	67	71796	4.129	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	82.600%		
41) Toluene-d8	7.239	98	134886	2.580	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	51.600%#		
43) trans-1,3-Dichloroprop...	7.561	79	22495	3.480	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	69.600%		
46) 2-Hexanone-d5	8.024	63	89982	35.806	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	71.620%		
56) 1,1,2,2-Tetrachloroeth...	10.146	84	70010	4.743	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	94.800%		
66) 1,2-Dichlorobenzene-d4	11.554	152	70726	4.671	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	93.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	5750	0.308	ug/L	96
3) Chloromethane	1.211	50	5951	0.370	ug/L	99
5) Vinyl chloride	1.278	62	5648	0.310	ug/L	96
6) Bromomethane	1.484	94	3349	0.472	ug/L	92
8) Chloroethane	1.545	64	3307	0.285	ug/L	91
9) Trichlorofluoromethane	1.709	101	7917	0.305	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	5516	0.373	ug/L #	86
12) 1,1-Dichloroethene	2.063	96	5181	0.368	ug/L #	1
14) Carbon disulfide	2.233	76	12603	0.278	ug/L	98
15) Methyl Acetate	2.394	43	2931m	0.539	ug/L	
16) Methylene chloride	2.439	84	5839	0.363	ug/L	90
17) Methyl tert-butyl Ether	2.699	73	7817	0.245	ug/L #	86
18) trans-1,2-Dichloroethene	2.696	96	4332	0.292	ug/L	85
19) 1,1-Dichloroethane	3.111	63	7898	0.293	ug/L	92
21) 2-Butanone	3.937	43	11349m	3.534	ug/L	
22) cis-1,2-Dichloroethene	3.815	96	4199	0.274	ug/L	95
23) Bromochloromethane	4.162	128	2161	0.288	ug/L #	70
25) Chloroform	4.275	83	10219	0.354	ug/L	86
27) 1,2-Dichloroethane	5.069	62	5400m	0.344	ug/L	

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.510	97	7117	0.271 ug/L #	91
30) Cyclohexane	4.574	56	5158	0.237 ug/L #	87
31) Carbon tetrachloride	4.732	117	6127	0.265 ug/L	100
33) Benzene	5.005	78	17639m	0.287 ug/L	
34) Trichloroethene	5.841	95	4866m	0.291 ug/L	
35) Methylcyclohexane	6.034	83	6882m	0.291 ug/L	
37) 1,2-Dichloropropane	6.095	63	4908m	0.319 ug/L	
38) Bromodichloromethane	6.436	83	5354	0.259 ug/L	90
39) cis-1,3-Dichloropropene	6.973	75	5020m	0.234 ug/L	
40) 4-Methyl-2-pentanone	7.169	43	12477	1.550 ug/L #	87
42) Toluene	7.326	91	14130	0.217 ug/L	100
44) trans-1,3-Dichloropropene	7.603	75	5071m	0.280 ug/L	
45) 1,1,2-Trichloroethane	7.776	97	3095	0.248 ug/L	90
47) Tetrachloroethene	7.905	164	3298	0.245 ug/L	91
48) 2-Hexanone	8.088	43	23620m	4.045 ug/L	
49) Dibromochloromethane	8.175	129	3417	0.251 ug/L	87
50) 1,2-Dibromoethane	8.294	107	2988	0.258 ug/L #	97
51) Chlorobenzene	8.815	112	11106	0.248 ug/L	97
52) Ethylbenzene	8.953	91	14838	0.215 ug/L	97
53) m,p-Xylene	9.079	106	4751	0.182 ug/L	99
54) o-Xylene	9.481	106	4866	0.192 ug/L	85
55) Styrene	9.513	104	6861m	0.154 ug/L	
57) 1,1,2,2-Tetrachloroethane	10.172	83	4164	0.285 ug/L #	89
59) Bromoform	9.664	173	1258	0.243 ug/L #	68
60) Isopropylbenzene	9.866	105	12420	0.243 ug/L #	95
61) 1,2,3-Trichloropropane	10.210	75	2539	0.334 ug/L #	53
62) 1,3,5-Trimethylbenzene	10.474	105	10125	0.249 ug/L	96
63) 1,2,4-Trimethylbenzene	10.853	105	8933	0.221 ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	7565	0.275 ug/L	93
65) 1,4-Dichlorobenzene	11.207	146	8323	0.300 ug/L	92
67) 1,2-Dichlorobenzene	11.574	146	7981	0.314 ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.371	75	559m	0.327 ug/L	
69) 1,3,5-Trichlorobenzene	12.586	180	4980	0.256 ug/L #	92
70) 1,2,4-trichlorobenzene	13.207	180	3858	0.240 ug/L	97
71) Naphthalene	13.458	128	4708m	0.188 ug/L	
72) 1,2,3-Trichlorobenzene	13.680	180	2868	0.193 ug/L #	80

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

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