Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100323\
Data File : VV032213.D
Acq On : 03 Oct 2023 13:29
Operator : SY/MD
Sample : 04696-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Oct 04 04:06:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092523WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 04 04:04:33 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	170269	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	169236	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	84975	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	58368	55.393	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 110.780%			
7) Chloroethane-d5	1.532	69	51332	56.480	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 112.960%			
11) 1,1-Dichloroethene-d2	2.060	65	24466	53.174	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 106.340%			
21) 2-Butanone-d5	3.786	46	104016	109.784	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 109.780%			
24) Chloroform-d	4.252	84	112609	51.069	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.140%			
26) 1,2-Dichloroethane-d4	4.944	65	76485	57.650	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 115.300%			
32) Benzene-d6	4.963	84	228287	51.313	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.620%			
36) 1,2-Dichloropropane-d6	5.992	67	81783	55.086	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 110.180%			
41) Toluene-d8	7.246	98	201833	49.729	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.460%			
43) trans-1,3-Dichloroprop...	7.555	79	35264	49.930	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 99.860%			
47) 2-Hexanone-d5	8.027	63	59925	93.470	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 93.470%			
56) 1,1,2,2-Tetrachloroeth...	10.156	84	103160	48.855	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.720%			
66) 1,2-Dichlorobenzene-d4	11.564	152	78929	51.219	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	3340	2.317	ug/L	99
3) Chloromethane	1.217	50	4410	2.821	ug/L	96
5) Vinyl chloride	1.282	62	4217	2.738	ug/L #	66
6) Bromomethane	1.484	94	2831	3.240	ug/L	100
8) Chloroethane	1.548	64	2925	3.051	ug/L	91
9) Trichlorofluoromethane	1.716	101	5263	2.663	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	3732	3.131	ug/L	87
12) 1,1-Dichloroethene	2.069	96	3504	3.177	ug/L #	1
13) Acetone	2.114	43	5931	6.691	ug/L	95
14) Carbon disulfide	2.243	76	8333	2.361	ug/L	100
15) Methyl Acetate	2.381	43	5360	3.390	ug/L #	75
16) Methylene chloride	2.449	84	4952	3.556	ug/L	94
17) trans-1,2-Dichloroethene	2.700	96	3272	2.632	ug/L	94
18) Methyl tert-butyl Ether	2.709	73	13118	3.154	ug/L	96
19) 1,1-Dichloroethane	3.117	63	7427	3.047	ug/L	98
20) cis-1,2-Dichloroethene	3.822	96	4026	2.876	ug/L	94
22) 2-Butanone	3.908	43	7450m	6.261	ug/L	
23) Bromochloromethane	4.156	128	2071m	2.954	ug/L	
25) Chloroform	4.285	83	8441	3.547	ug/L	99

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	6063	3.371 ug/L #	93
29) Cyclohexane	4.584	56	5206	2.204 ug/L	91
30) 1,1,1-Trichloroethane	4.523	97	5538	2.624 ug/L	95
31) Carbon tetrachloride	4.741	117	4501	2.470 ug/L	100
33) Benzene	5.015	78	14915	2.763 ug/L	100
34) Trichloroethene	5.838	95	4260	2.866 ug/L	95
35) Methylcyclohexane	6.053	83	5987m	2.520 ug/L	
37) 1,2-Dichloropropane	6.104	63	3899	2.632 ug/L #	86
38) Bromodichloromethane	6.442	83	5261	2.825 ug/L	92
39) cis-1,3-Dichloropropene	6.966	75	6501m	2.767 ug/L	
40) 4-Methyl-2-pentanone	7.172	43	11699	5.299 ug/L	99
42) Toluene	7.323	91	14166	2.458 ug/L	97
44) trans-1,3-Dichloropropene	7.593	75	6190	2.877 ug/L	95
45) 1,1,2-Trichloroethane	7.780	97	4221	2.987 ug/L	98
46) Tetrachloroethene	7.912	164	2739	2.536 ug/L	88
48) 2-Hexanone	8.085	43	15902m	9.221 ug/L	
49) Dibromochloromethane	8.182	129	4071	2.898 ug/L	94
50) 1,2-Dibromoethane	8.291	107	4489	2.984 ug/L #	100
51) Chlorobenzene	8.821	112	9750	2.622 ug/L	98
52) Ethylbenzene	8.953	91	15433	2.397 ug/L	92
53) m,p-Xylene	9.082	106	5555	2.316 ug/L	91
54) o-Xylene	9.484	106	5595	2.368 ug/L	100
55) Styrene	9.506	104	9434	2.340 ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.182	83	6879	3.124 ug/L	93
59) Bromoform	9.674	173	2617	2.772 ug/L #	96
60) Isopropylbenzene	9.873	105	13990	2.365 ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	5199	3.147 ug/L #	91
62) 1,3,5-Trimethylbenzene	10.481	105	11094	2.283 ug/L	97
63) 1,2,4-Trimethylbenzene	10.857	105	10463	2.189 ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	7093	2.565 ug/L	97
65) 1,4-Dichlorobenzene	11.214	146	7789	2.789 ug/L	96
67) 1,2-Dichlorobenzene	11.583	146	7809	2.871 ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.371	75	1218	2.671 ug/L	92
69) 1,3,5-Trichlorobenzene	12.587	180	4835	2.415 ug/L	97
70) 1,2,4-trichlorobenzene	13.204	180	4537	2.410 ug/L	96
71) Naphthalene	13.445	128	13518	2.179 ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	4206	2.248 ug/L	93

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

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