Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041124\
Data File : VX040974.D
Acq On : 11 Apr 2024 13:13
Operator : JC/MD
Sample : P2048-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 12 01:46:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM041024WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 05:36:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MC0R51

Manual Integrations APPROVED

Reviewed By :John Carlone 04/12/2024
Supervised By :Semsettin Yesilyurt 04/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.781	114	294575	50.000	ug/L	0.02
28) Chlorobenzene-d5	10.098	117	195542	50.000	ug/L	# 0.04
58) 1,4-Dichlorobenzene-d4	12.043	152	168730	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	95197	45.435	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 90.880%			
7) Chloroethane-d5	1.666	69	81655	47.785	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 95.580%			
11) 1,1-Dichloroethene-d2	2.307	65	42289	47.275	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 94.540%			
21) 2-Butanone-d5	4.459	46	116244	101.851	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 101.850%			
24) Chloroform-d	5.062	84	215118	55.026	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 110.060%			
26) 1,2-Dichloroethane-d4	6.178	65	129604m	50.966	ug/L	0.23
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.940%			
32) Benzene-d6	6.086	84	361557	68.107	ug/L	0.11
Spiked Amount 50.000	Range 70 - 125		Recovery = 136.220%#			
36) 1,2-Dichloropropane-d6	7.318	67	107945	69.720	ug/L	0.01
Spiked Amount 50.000	Range 70 - 120		Recovery = 139.440%#			
41) Toluene-d8	8.653	98	345653	66.647	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 133.300%#			
43) trans-1,3-Dichloroprop...	8.952	79	49392	63.393	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 126.780%#			
47) 2-Hexanone-d5	9.391	63	91363	139.962	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 139.960%#			
56) 1,1,2,2-Tetrachloroeth...	11.195	84	150575	65.654	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 131.300%#			
66) 1,2-Dichlorobenzene-d4	12.341	152	161724	47.781	ug/L	0.02
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.560%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.313	96	2121	1.199	ug/L #	1
13) Acetone	2.380	43	4482	3.623	ug/L	97
14) Carbon disulfide	2.514	76	32288	7.261	ug/L	100
16) Methylene chloride	2.788	84	8247	4.472	ug/L	96
25) Chloroform	5.099	83	805356	225.883	ug/L	98
29) Cyclohexane	5.483	56	28869	14.737	ug/L	99
33) Benzene	6.062	78	116389574m	22941.419	ug/L	
34) Trichloroethene	7.141	95	11598	7.969	ug/L	96
35) Methylcyclohexane	7.391	83	4689	2.272	ug/L #	68
42) Toluene	8.726	91	68630	12.215	ug/L	99
46) Tetrachloroethene	9.281	164	9742	7.107	ug/L	96
51) Chlorobenzene	10.092	112	62307047m	15824.402	ug/L	
64) 1,3-Dichlorobenzene	11.976	146	2879172	556.257	ug/L	97
65) 1,4-Dichlorobenzene	12.061	146	27961855m	5262.422	ug/L	
67) 1,2-Dichlorobenzene	12.360	146	22086786	4398.843	ug/L #	68
70) 1,2,4-trichlorobenzene	13.591	180	1151083	306.435	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	71528	19.416	ug/L	99

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

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