Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052324\
Data File : VV035720.D
Acq On : 23 May 2024 22:12
Operator : SY/MD
Sample : VIBLK287
Misc : 5.00g/10.0mL/MSVOA_V/SOIL/B
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VIBLK287

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/24/2024
Supervised By :Semsettin Yesilyurt 05/24/2024

Quant Time: May 24 03:46:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 03:15:35 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.593	114	2322m	25.000	ug/L	0.06
28) Chlorobenzene-d5	8.809	117	2572m	25.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.214	152	670m	25.000	ug/L	0.03
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	929	25.885	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 103.560%			
7) Chloroethane-d5	1.529	69	877	30.290	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 121.160%			
11) 1,1-Dichloroethene-d2	2.063	65	248	15.609	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 62.440%			
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount 50.000	Range 20 - 135		Recovery = 0.000%#			
24) Chloroform-d	4.272	84	1197	17.340	ug/L	0.03
Spiked Amount 25.000	Range 40 - 150		Recovery = 69.360%			
26) 1,2-Dichloroethane-d4	4.986	65	100	2.930	ug/L	0.05
Spiked Amount 25.000	Range 70 - 130		Recovery = 11.720%#			
32) Benzene-d6	4.982	84	1052	7.472	ug/L	0.03
Spiked Amount 25.000	Range 20 - 135		Recovery = 29.880%			
36) 1,2-Dichloropropane-d6	6.015	67	708	16.295	ug/L	0.03
Spiked Amount 25.000	Range 70 - 120		Recovery = 65.200%#			
41) Toluene-d8	7.281	98	1581	12.617	ug/L	0.04
Spiked Amount 25.000	Range 30 - 130		Recovery = 50.480%			
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount 25.000	Range 30 - 135		Recovery = 0.000%#			
47) 2-Hexanone-d5	0.000	63	0	0.000	ug/L	
Spiked Amount 50.000	Range 20 - 135		Recovery = 0.000%#			
56) 1,1,2,2-Tetrachloroeth...	10.162	84	146	3.487	ug/L	0.01
Spiked Amount 25.000	Range 45 - 120		Recovery = 13.960%#			
66) 1,2-Dichlorobenzene-d4	11.580	152	488	20.987	ug/L	0.02
Spiked Amount 25.000	Range 75 - 120		Recovery = 83.960%			
Target Compounds						Qvalue
3) Chloromethane	1.214	50	1008	21.267	ug/L	91
6) Bromomethane	1.491	94	286	9.224	ug/L #	55
8) Chloroethane	1.542	64	44	1.458	ug/L #	43
13) Acetone	2.166	43	286	19.183	ug/L #	70
15) Methyl Acetate	2.330	43	73	3.232	ug/L #	52
16) Methylene chloride	2.465	84	355	6.630	ug/L	85
25) Chloroform	4.294	83	91	1.162	ug/L	85
35) Methylcyclohexane	6.011	83	65	0.889	ug/L #	20

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

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