Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070124\
Data File : VV036376.D
Acq On : 01 Jul 2024 15:25
Operator : SY/MD
Sample : P3087-25
Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 02 02:38:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
Quant Title : VOC Analysis
QLast Update : Tue Jul 02 02:29:42 2024
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
A4DH1

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/05/2024
Supervised By :Semsettin Yesilyurt 07/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	294169	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	314519	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	173758	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	104719	20.961	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 83.840%			
7) Chloroethane-d5	1.526	69	88434	22.162	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 88.640%			
11) 1,1-Dichloroethene-d2	2.050	65	50230	21.387	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 85.560%			
21) 2-Butanone-d5	3.847	46	67910m	58.569	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 117.140%			
24) Chloroform-d	4.243	84	195927	22.564	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 90.240%			
26) 1,2-Dichloroethane-d4	4.937	65	116125	25.078	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.320%			
32) Benzene-d6	4.953	84	366646	20.651	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 82.600%			
36) 1,2-Dichloropropane-d6	5.986	67	123876	23.196	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 92.800%			
41) Toluene-d8	7.240	98	355546	22.210	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 88.840%			
43) trans-1,3-Dichloroprop...	7.551	79	52253	21.911	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 87.640%			
47) 2-Hexanone-d5	8.031	63	46204	54.201	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 108.400%			
56) 1,1,2,2-Tetrachloroeth...	10.149	84	110254	25.186	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 100.760%			
66) 1,2-Dichlorobenzene-d4	11.558	152	131302	20.736	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 82.960%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.060	96	529185	114.206	ug/L #	69
13) Acetone	2.153	43	329593	210.400	ug/L #	64
16) Methylene chloride	2.439	84	285899	49.367	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	129786	28.211	ug/L	100
18) Methyl tert-butyl Ether	2.703	73	248210	23.177	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	155963	33.706	ug/L	98
22) 2-Butanone	3.899	43	216926	164.230	ug/L	93
27) 1,2-Dichloroethane	5.037	62	255774	45.275	ug/L	99
31) Carbon tetrachloride	4.725	117	543574	78.229	ug/L	99
33) Benzene	5.002	78	1066478	57.249	ug/L	100
34) Trichloroethene	5.825	95	535605	91.112	ug/L	99
37) 1,2-Dichloropropane	6.088	63	264057	55.502	ug/L	98
38) Bromodichloromethane	6.426	83	412519	63.395	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	447831	61.214	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	737639	274.912	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	263941	40.112	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	220366	52.403	ug/L	99
46) Tetrachloroethene	7.902	164	231345	54.150	ug/L	99
48) 2-Hexanone	8.076	43	303187	143.654	ug/L	99

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Quant Title : VOC Analysis
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	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Dibromochloromethane	8.172	129	166645	35.549	ug/L	99
50)	1,2-Dibromoethane	8.281	107	88961	21.474	ug/L	97
52)	Ethylbenzene	8.940	91	2015177	95.867	ug/L	100
53)	m,p-Xylene	9.069	106	675862	86.270	ug/L	99
54)	o-Xylene	9.477	106	68426	9.288	ug/L	95
57)	1,1,2,2-Tetrachloroethane	10.175	83	89187	23.697	ug/L	98
59)	Bromoform	9.661	173	187217	56.920	ug/L	99
61)	1,2,3-Trichloropropane	10.204	75	318719	81.280	ug/L	99
64)	1,3-Dichlorobenzene	11.114	146	770256	70.377	ug/L	100
65)	1,4-Dichlorobenzene	11.204	146	317630	27.074	ug/L	99
67)	1,2-Dichlorobenzene	11.574	146	898301	85.973	ug/L	99
68)	1,2-Dibromo-3-chloropr...	12.362	75	28446	32.335	ug/L	90

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

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