Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091124\
Data File : VD079820.D
Acq On : 11 Sep 2024 12:18
Operator : RP/MD
Sample : P3391-03
Misc : 5.00G/10ml/MSVOA_D/SOIL/A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 12 01:33:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM091024SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Sep 12 01:25:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-QT3-2024-05

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/12/2024
Supervised By :Semsettin Yesilyurt 09/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.775	114	166586	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.581	117	165962	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.516	152	66840	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.276	65	152124	21.001	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.000%			
7) Chloroethane-d5	2.805	69	128957	22.486	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 89.960%			
11) 1,1-Dichloroethene-d2	3.917	65	27917	21.227	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 84.920%			
21) 2-Butanone-d5	6.987	46	27783	41.281	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 82.560%			
24) Chloroform-d	7.563	84	115547	21.101	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 84.400%			
26) 1,2-Dichloroethane-d4	8.228	65	67643	23.623	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 94.480%			
32) Benzene-d6	8.199	84	263540	22.492	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.960%			
36) 1,2-Dichloropropane-d6	9.210	67	83259	23.202	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 92.800%			
41) Toluene-d8	10.269	98	237208	23.007	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 92.040%			
43) trans-1,3-Dichloroprop...	10.522	79	33548	21.745	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 86.960%			
47) 2-Hexanone-d5	10.875	63	23676	40.474	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 80.940%			
56) 1,1,2,2-Tetrachloroeth...	12.646	84	57118	21.661	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 86.640%			
66) 1,2-Dichlorobenzene-d4	13.810	152	59478	23.596	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 94.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	3667	1.154	ug/L #	87
3) Chloromethane	2.152	50	6784	1.218	ug/L	92
5) Vinyl chloride	2.281	62	9199	1.348	ug/L #	78
6) Bromomethane	2.693	94	4951	1.441	ug/L	85
8) Chloroethane	2.840	64	5547	1.230	ug/L	99
9) Trichlorofluoromethane	3.175	101	5766	1.175	ug/L #	65
10) 1,1,2-Trichloro-1,2,2-...	3.946	101	3333m	1.227	ug/L	
12) 1,1-Dichloroethene	3.946	96	3369	1.332	ug/L #	1
13) Acetone	4.017	43	4311m	5.254	ug/L	
14) Carbon disulfide	4.270	76	10412	1.266	ug/L	99
15) Methyl Acetate	4.564	43	1429m	1.093	ug/L	
16) Methylene chloride	4.793	84	9416m	2.861	ug/L	
17) trans-1,2-Dichloroethene	5.305	96	3023m	1.121	ug/L	
18) Methyl tert-butyl Ether	5.317	73	6705m	1.105	ug/L	
19) 1,1-Dichloroethane	6.105	63	6151m	1.148	ug/L	
20) cis-1,2-Dichloroethene	7.087	96	3615m	1.217	ug/L	
22) 2-Butanone	7.093	43	2056	2.136	ug/L	98
23) Bromochloromethane	7.428	128	1646m	1.306	ug/L	
25) Chloroform	7.593	83	18136	3.252	ug/L	98

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	4419	1.297 ug/L #	82
29) Cyclohexane	7.875	56	4099	0.999 ug/L #	74
30) 1,1,1-Trichloroethane	7.799	97	5497m	1.215 ug/L	
31) Carbon tetrachloride	7.999	117	4508m	1.125 ug/L	
33) Benzene	8.252	78	15217	1.231 ug/L	100
34) Trichloroethene	9.022	95	3257	1.141 ug/L	87
35) Methylcyclohexane	9.269	83	4885m	1.060 ug/L	
38) Bromodichloromethane	9.575	83	4679	1.192 ug/L #	96
39) cis-1,3-Dichloropropene	10.010	75	5198	1.098 ug/L #	81
40) 4-Methyl-2-pentanone	10.157	43	3537m	2.005 ug/L	
42) Toluene	10.328	91	15672	1.204 ug/L	99
44) trans-1,3-Dichloropropene	10.552	75	4721m	1.132 ug/L	
45) 1,1,2-Trichloroethane	10.722	97	2504m	1.087 ug/L	
46) Tetrachloroethene	10.810	164	2491	1.285 ug/L	88
48) 2-Hexanone	10.916	43	3272m	2.280 ug/L	
49) Dibromochloromethane	11.069	129	2826	1.124 ug/L	85
50) 1,2-Dibromoethane	11.175	107	2244	1.128 ug/L #	91
51) Chlorobenzene	11.604	112	9279	1.188 ug/L	92
52) Ethylbenzene	11.681	91	13911	1.017 ug/L	92
53) m,p-Xylene	11.793	106	5738	1.108 ug/L	70
54) o-Xylene	12.116	106	4729	0.931 ug/L	90
55) Styrene	12.134	104	8294	0.929 ug/L	90
57) 1,1,2,2-Tetrachloroethane	12.669	83	3569	1.322 ug/L #	96
59) Bromoform	12.293	173	1514m	1.312 ug/L	
60) Isopropylbenzene	12.422	105	11670	1.011 ug/L	93
61) 1,2,3-Trichloropropane	12.722	75	1786	1.087 ug/L #	84
62) 1,3,5-Trimethylbenzene	12.904	105	8404	0.996 ug/L	97
63) 1,2,4-Trimethylbenzene	13.210	105	8976	1.014 ug/L	99
64) 1,3-Dichlorobenzene	13.457	146	5520	1.157 ug/L	90
65) 1,4-Dichlorobenzene	13.534	146	6537	1.307 ug/L	94
67) 1,2-Dichlorobenzene	13.828	146	5478	1.271 ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.445	75	584m	1.737 ug/L	
69) 1,3,5-Trichlorobenzene	14.587	180	3509m	1.214 ug/L	
70) 1,2,4-trichlorobenzene	15.092	180	2954	1.213 ug/L	91
71) Naphthalene	15.334	128	6320	1.162 ug/L #	93
72) 1,2,3-Trichlorobenzene	15.522	180	2365	1.086 ug/L #	21

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

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