

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE103123AL\
 Data File : FE045102.D
 Signal(s) : FID1B.ch
 Acq On : 31 Oct 2023 12:18
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/01/2023
 Supervised By :mohammad ahmed 11/01/2023

Integration File: autoint1.e
 Quant Time: Oct 31 23:52:20 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 101223.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 12 06:15:32 2023
 Response via : Initial Calibration
 Integrator: ChemStation

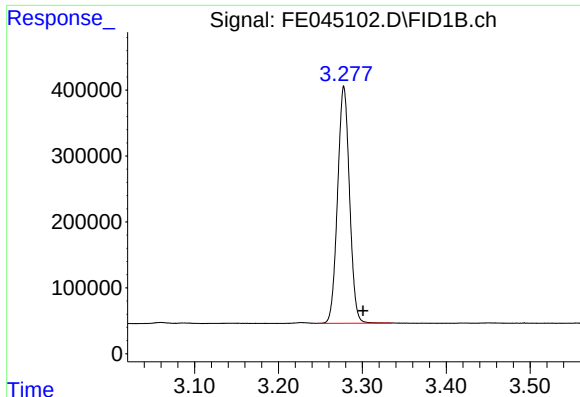
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	11.894	4175944	20.831 ug/ml
Spiked Amount 50.000		Recovery =	41.66%
12) S 1-chlorooctadecane (S...	13.337	2931037	19.806 ug/ml
Spiked Amount 50.000		Recovery =	39.61%
Target Compounds			
1) T n-Nonane (C9)	3.278	3556468	21.201 ug/ml
2) T n-Decane (C10)	4.530	3701271	21.727 ug/ml
3) T A~Naphthalene (C11.7)	6.230	3928309	21.221 ug/ml
4) T n-Dodecane (C12)	6.696	3720304	21.552 ug/ml
5) T A~2-methylnaphthalene...	7.326	3743585	20.753 ug/ml
6) T n-Tetradecane (C14)	8.522	3651228	21.293 ug/ml
7) T n-Hexadecane (C16)	10.133	3684869	21.072 ug/ml
8) T n-Octadecane (C18)	11.580	3643842	20.892 ug/ml
10) T n-Eicosane (C20)	12.892	3438186	20.584 ug/ml
11) T n-Heneicosane (C21)	13.504	3341777	20.500 ug/ml
13) T n-Docosane (C22)	14.093	3282425	20.521 ug/ml
14) T n-Tetracosane (C24)	15.198	3209184	20.678 ug/ml
15) T n-Hexacosane (C26)	16.222	3145457	20.951 ug/ml
16) T n-Octacosane (C28)	17.175	3174036	21.615 ug/ml
17) T n-Tricontane (C30)	18.063	3364853	22.624 ug/ml
18) T n-Dotriacontane (C32)	18.898	3473207	23.140 ug/ml
19) T n-Tetratriacontane (C34)	19.686	3410919	22.913 ug/ml
20) T n-Hexatriacontane (C36)	20.427	3523671	22.920 ug/ml
21) T n-Octatriacontane (C38)	21.166	3444987	22.054 ug/mlm
22) T n-Tetracontane (C40)	22.085	3399941	20.344 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.



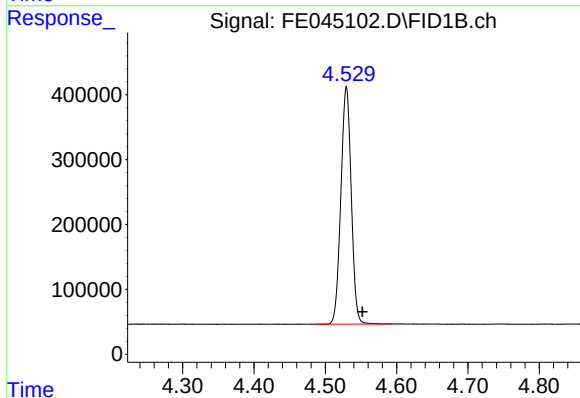
#1 n-Nonane (C9)

R.T.: 3.278 min
Delta R.T.: -0.023 min
Response: 3556468
Conc: 21.20 ug/ml

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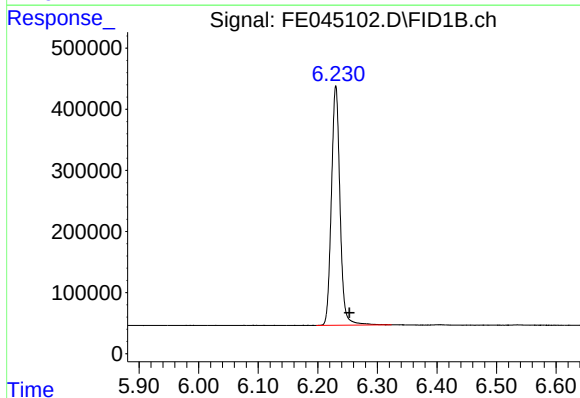
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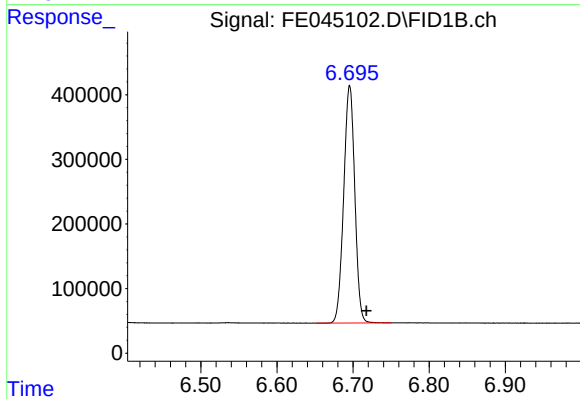
#2 n-Decane (C10)

R.T.: 4.530 min
Delta R.T.: -0.022 min
Response: 3701271
Conc: 21.73 ug/ml



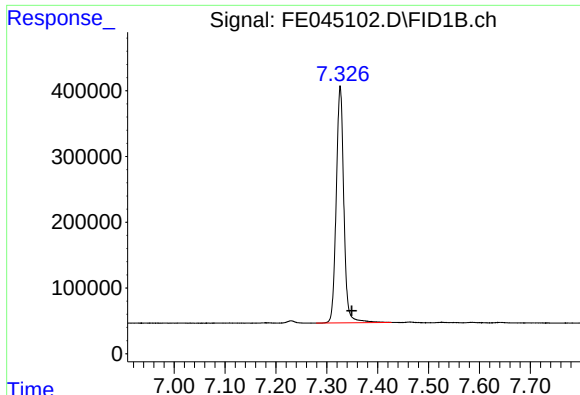
#3 A~Naphthalene (C11.7)

R.T.: 6.230 min
Delta R.T.: -0.023 min
Response: 3928309
Conc: 21.22 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.696 min
Delta R.T.: -0.022 min
Response: 3720304
Conc: 21.55 ug/ml



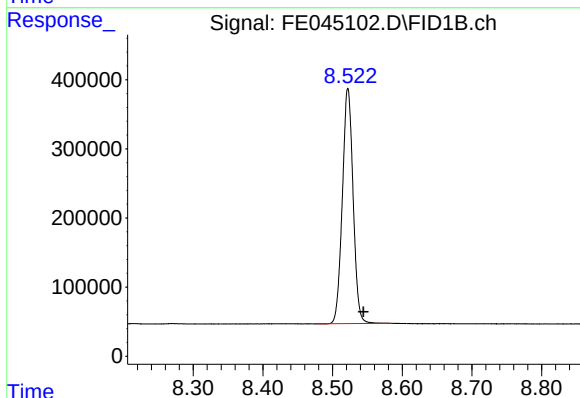
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.326 min
Delta R.T.: -0.023 min
Response: 3743585
Conc: 20.75 ug/ml

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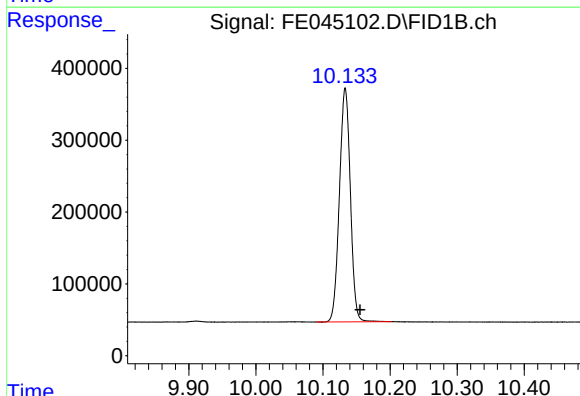
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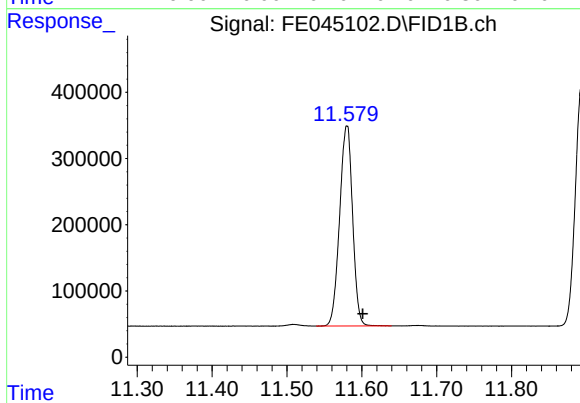
#6 n-Tetradecane (C14)

R.T.: 8.522 min
Delta R.T.: -0.022 min
Response: 3651228
Conc: 21.29 ug/ml



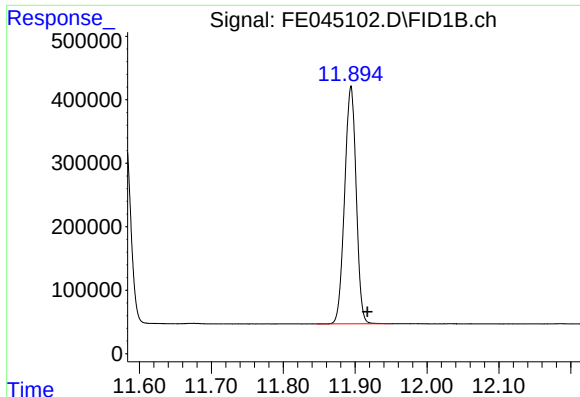
#7 n-Hexadecane (C16)

R.T.: 10.133 min
Delta R.T.: -0.022 min
Response: 3684869
Conc: 21.07 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.580 min
Delta R.T.: -0.021 min
Response: 3643842
Conc: 20.89 ug/ml



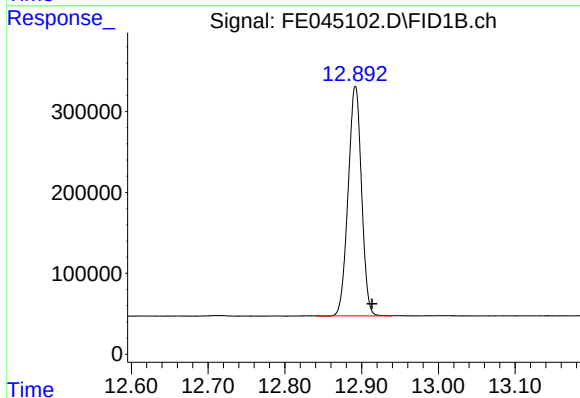
#9 ortho-Terphenyl (SURR)

R.T.: 11.894 min
Delta R.T.: -0.023 min
Response: 4175944
Conc: 20.83 ug/ml

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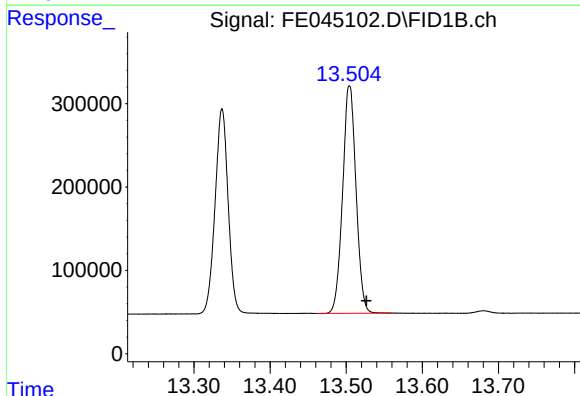
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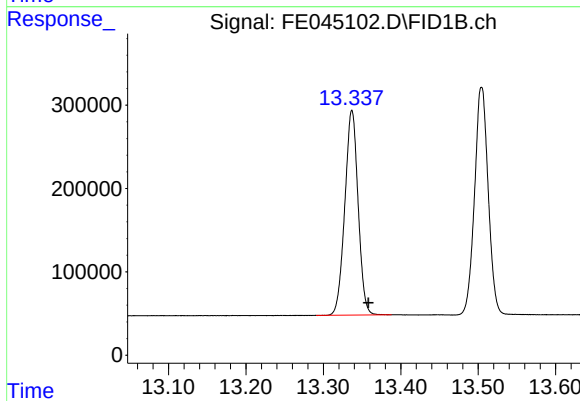
#10 n-Eicosane (C20)

R.T.: 12.892 min
Delta R.T.: -0.022 min
Response: 3438186
Conc: 20.58 ug/ml



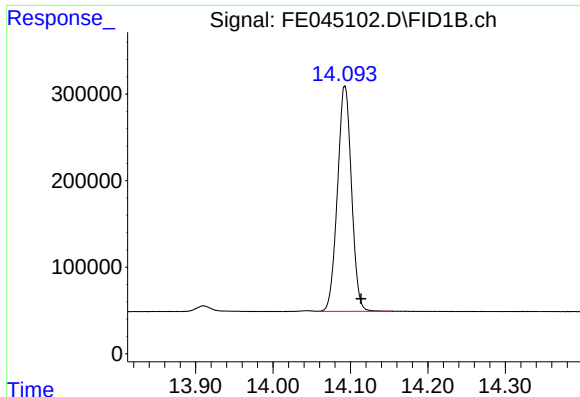
#11 n-Heneicosane (C21)

R.T.: 13.504 min
Delta R.T.: -0.022 min
Response: 3341777
Conc: 20.50 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.337 min
Delta R.T.: -0.021 min
Response: 2931037
Conc: 19.81 ug/ml



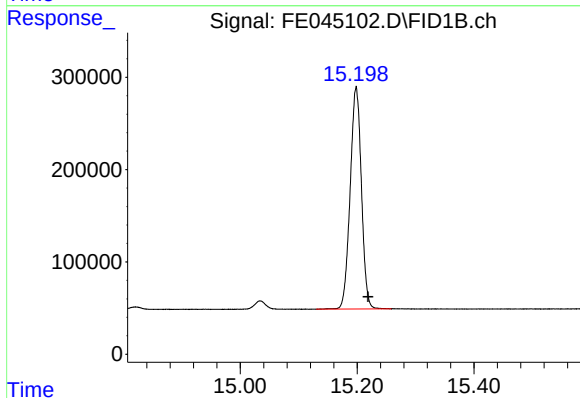
#13 n-Docosane (C22)

R.T.: 14.093 min
Delta R.T.: -0.021 min
Response: 3282425
Conc: 20.52 ug/ml

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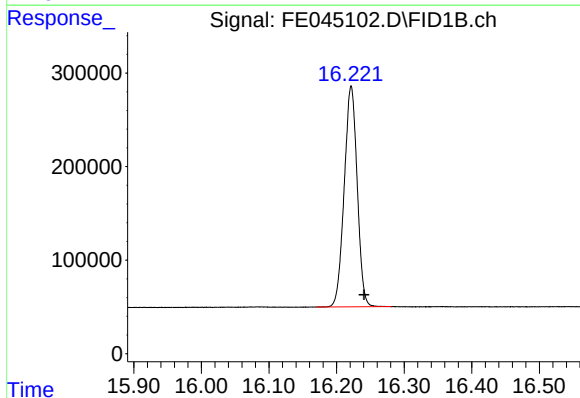
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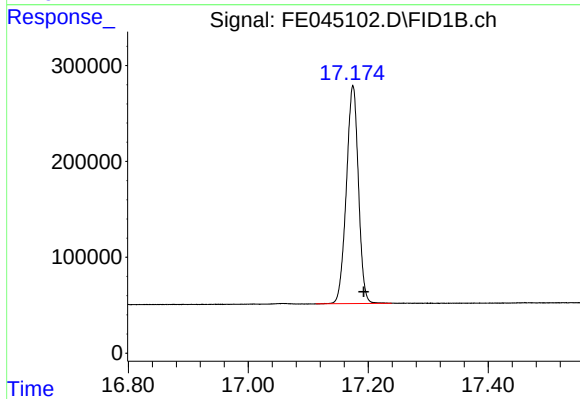
#14 n-Tetracosane (C24)

R.T.: 15.198 min
Delta R.T.: -0.020 min
Response: 3209184
Conc: 20.68 ug/ml



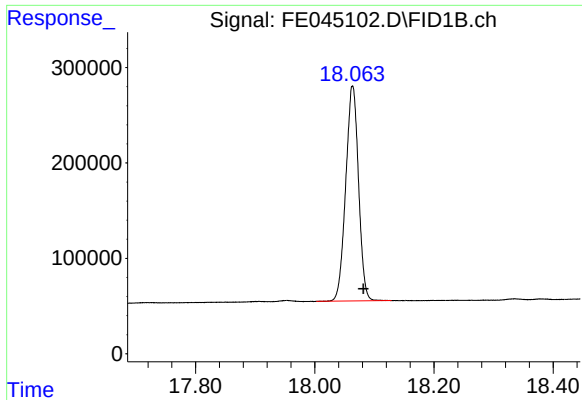
#15 n-Hexacosane (C26)

R.T.: 16.222 min
Delta R.T.: -0.019 min
Response: 3145457
Conc: 20.95 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.175 min
Delta R.T.: -0.018 min
Response: 3174036
Conc: 21.62 ug/ml



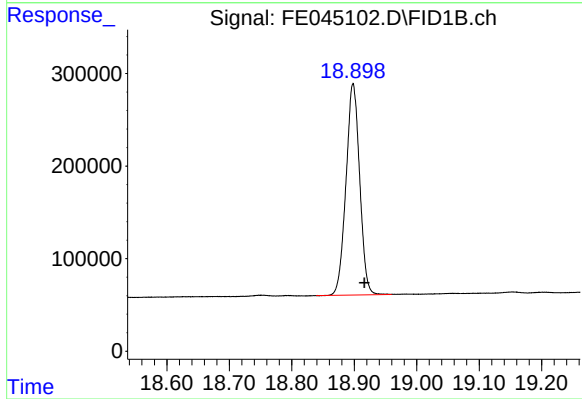
#17 n-Tricontane (C30)

R.T.: 18.063 min
Delta R.T.: -0.018 min
Response: 3364853
Conc: 22.62 ug/ml

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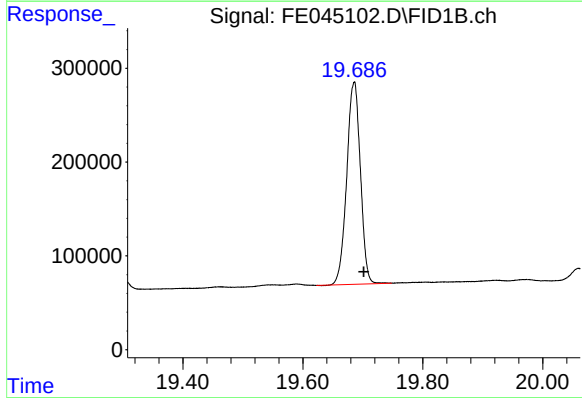
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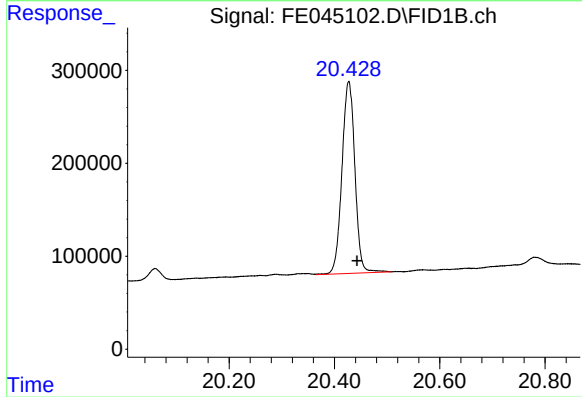
#18 n-Dotriacontane (C32)

R.T.: 18.898 min
Delta R.T.: -0.018 min
Response: 3473207
Conc: 23.14 ug/ml



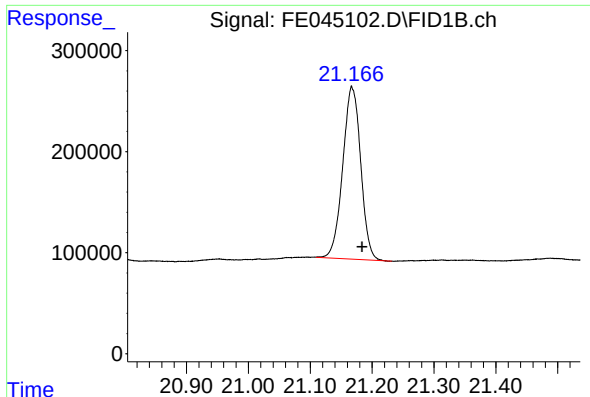
#19 n-Tetratriacontane (C34)

R.T.: 19.686 min
Delta R.T.: -0.016 min
Response: 3410919
Conc: 22.91 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.427 min
Delta R.T.: -0.016 min
Response: 3523671
Conc: 22.92 ug/ml



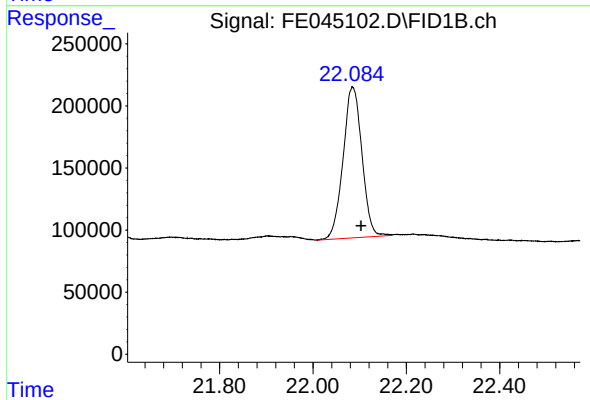
#21 n-Octatriacontane (C38)

R.T.: 21.166 min
Delta R.T.: -0.018 min
Response: 3444987
Conc: 22.05 ug/ml

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#22 n-Tetracontane (C40)

R.T.: 22.085 min
Delta R.T.: -0.018 min
Response: 3399941
Conc: 20.34 ug/ml