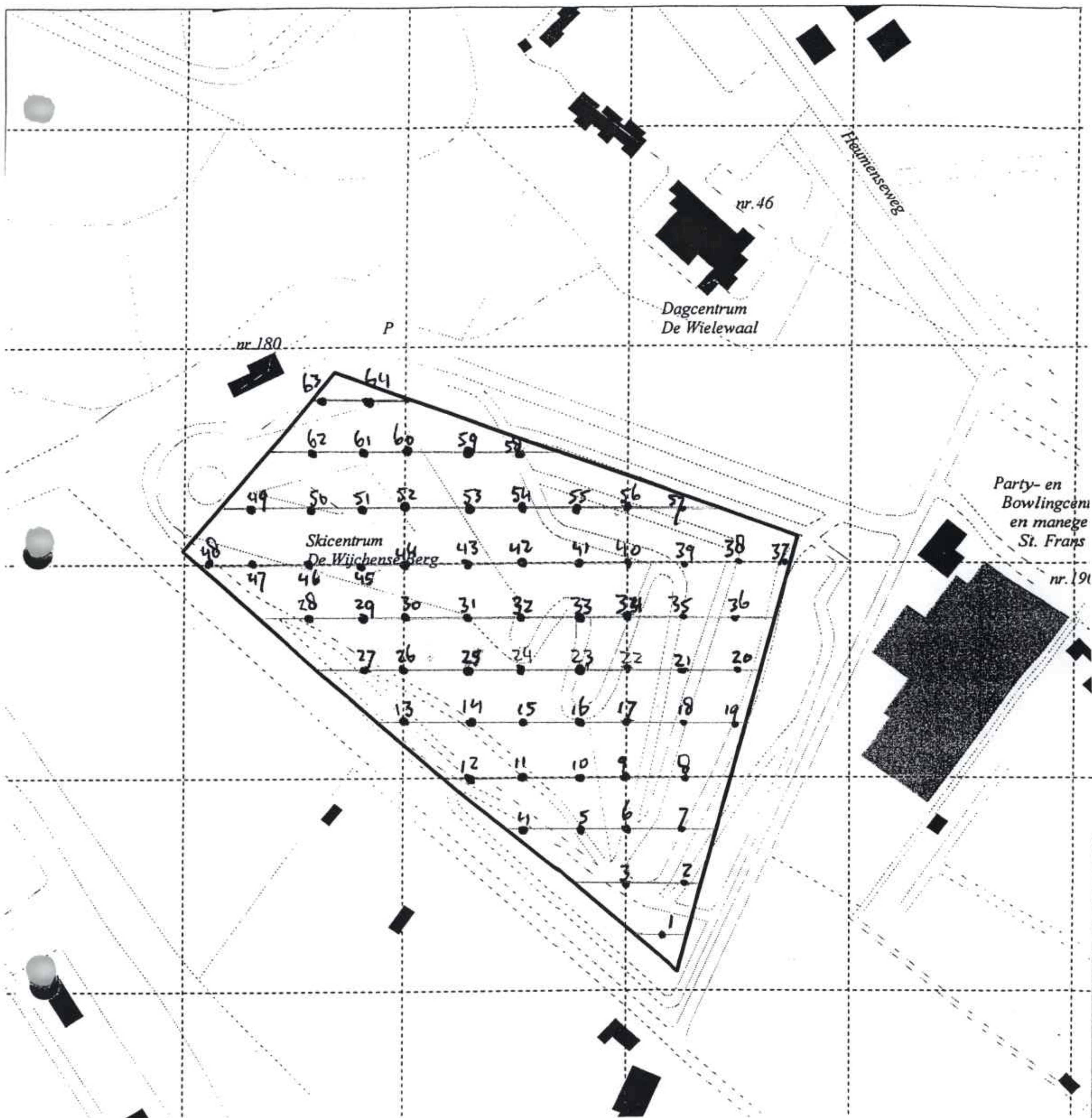




64 boringen



0 0.02 0.04 0.06 Kilometers



Bijlage 4

Situatietekening 455_005

Auteur: DSMA

Project: DOVOS

Projectnr: B02B0028

Opdrachtgever: Provincie Gelderland

Datum: 22 05 2002

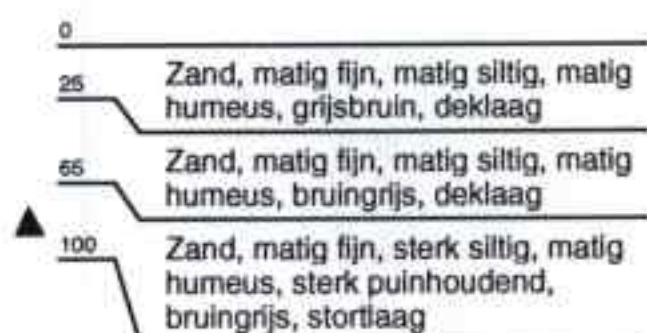
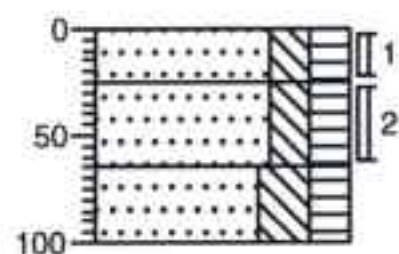
Schaal: 1:2500

- Grid
- Overigen
- Watergang
- Perceelsgrens
- Top10_Lijn
- Stortcontour
- Veldvlakken
- Top10_bebouw
- Gebouw



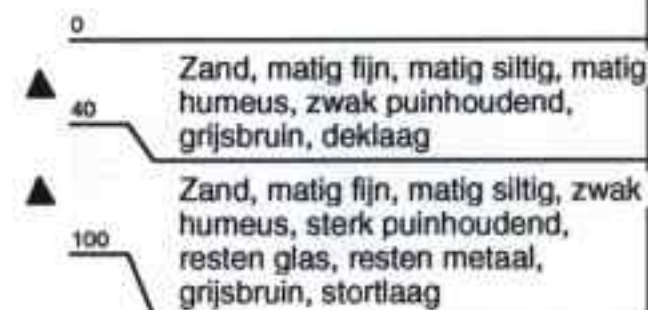
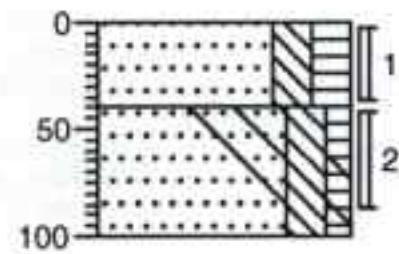
Schaal 1: 75
Boring: 001

Datum: 17-01-2003



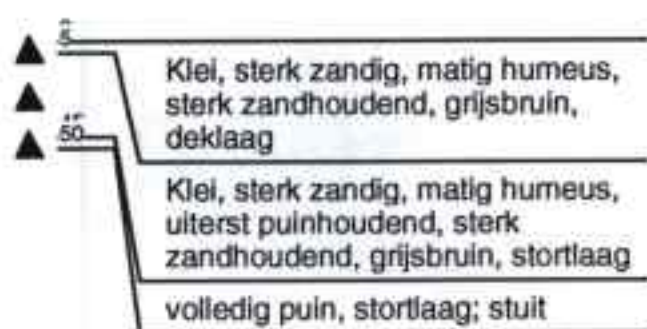
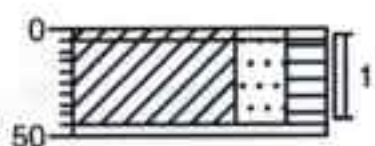
Boring: 002

Datum: 17-01-2003



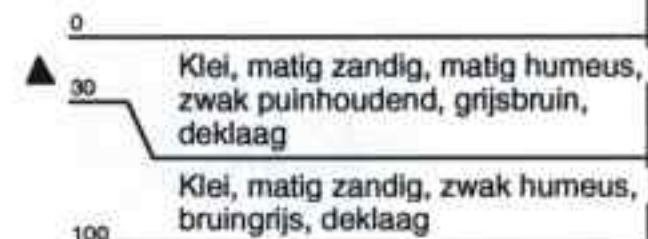
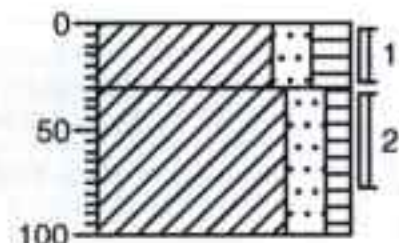
Boring: 003

Datum: 17-01-2003



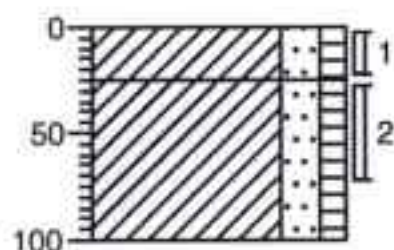
Boring: 004

Datum: 21-01-2003



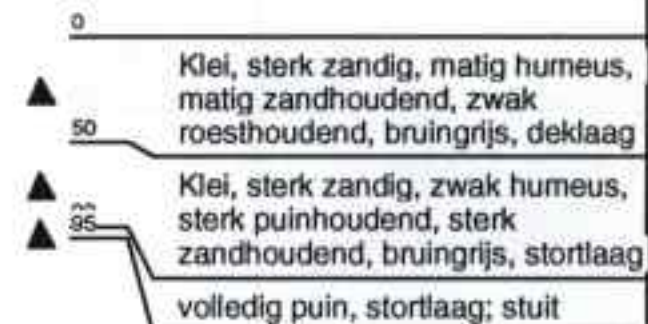
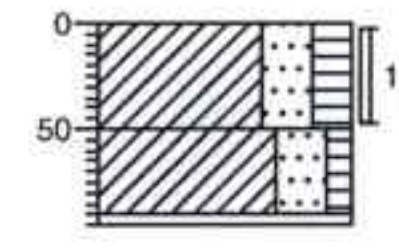
Boring: 005

Datum: 21-01-2003



Boring: 006

Datum: 17-01-2003

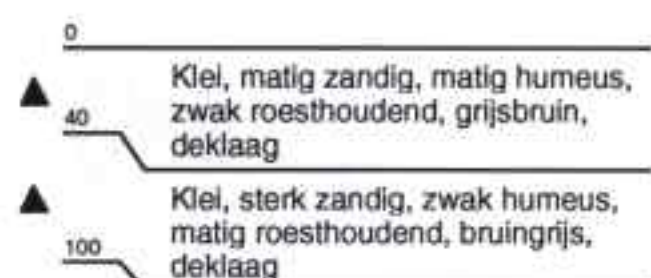
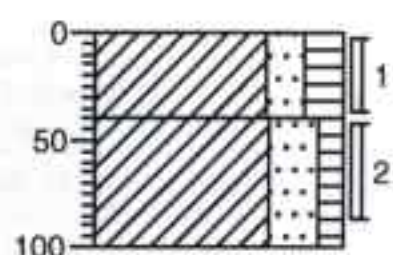


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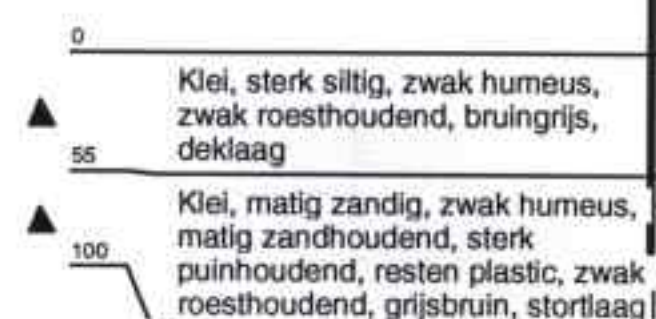
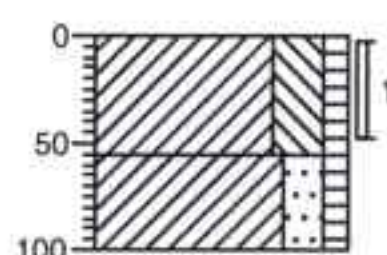
Schaal 1: 75
Boring: 007

Datum: 17-01-2003



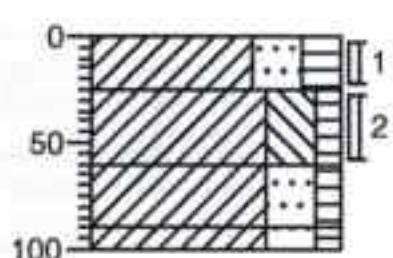
Boring: 008

Datum: 17-01-2003



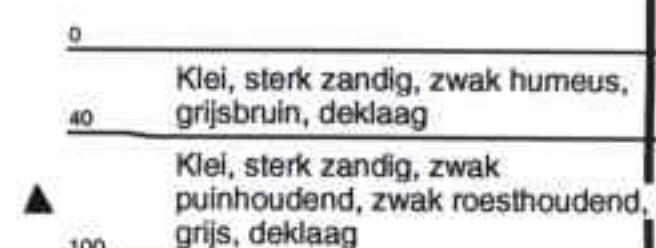
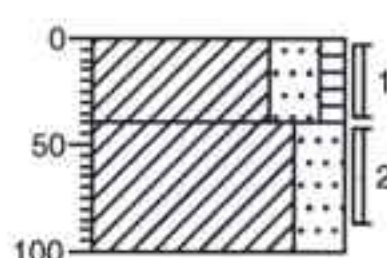
Boring: 009

Datum: 17-01-2003



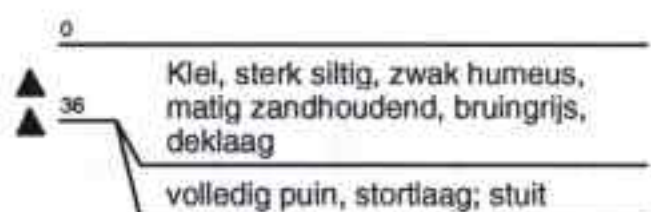
Boring: 010

Datum: 21-01-2003



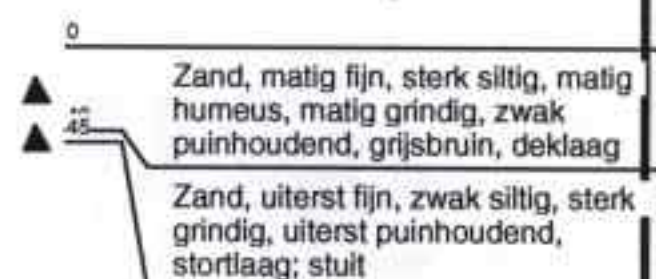
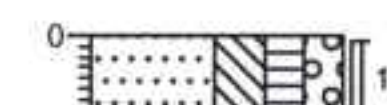
Boring: 011

Datum: 21-01-2003



Boring: 012

Datum: 21-01-2003

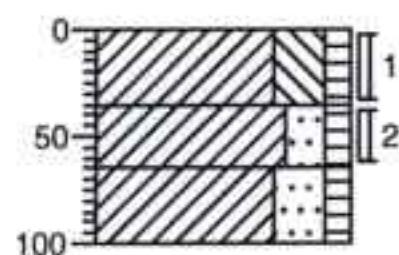


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Projectcode: 133568 455-005

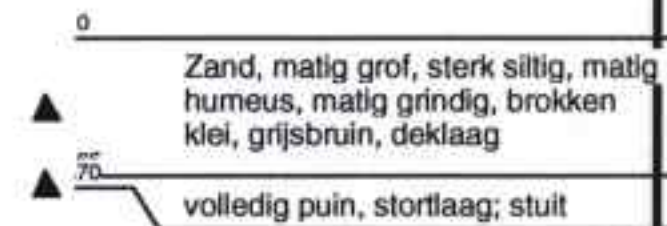
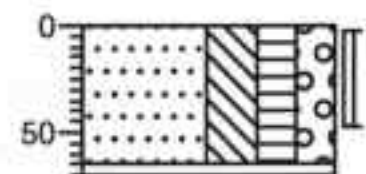
Schaal 1: 75
Boring: 013

Datum: 21-01-2003



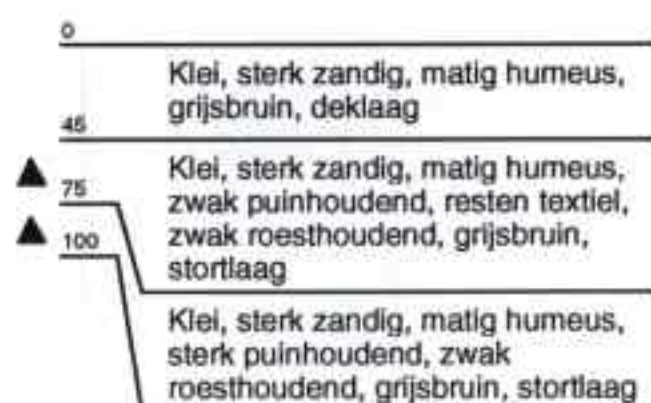
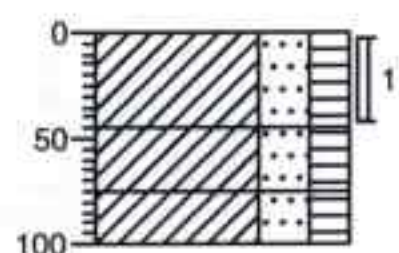
Boring: 014

Datum: 21-01-2003



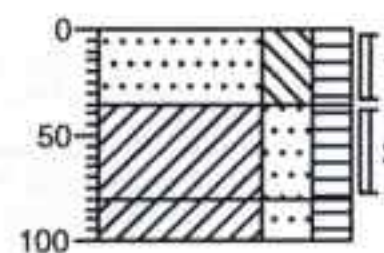
Boring: 015

Datum: 21-01-2003



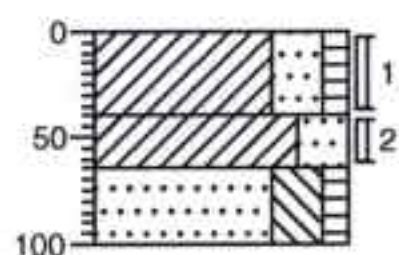
Boring: 016

Datum: 20-01-2003



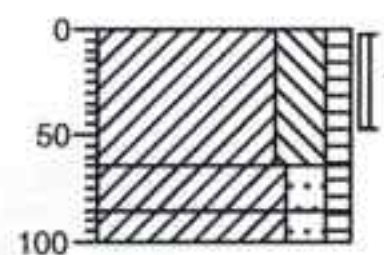
Boring: 017

Datum: 20-01-2003



Boring: 018

Datum: 17-01-2003

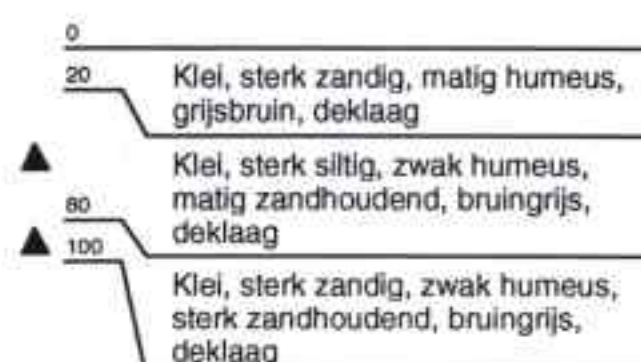
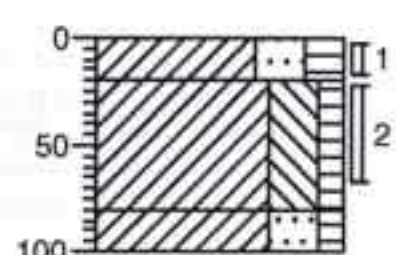


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Projectcode: 133568 455-005

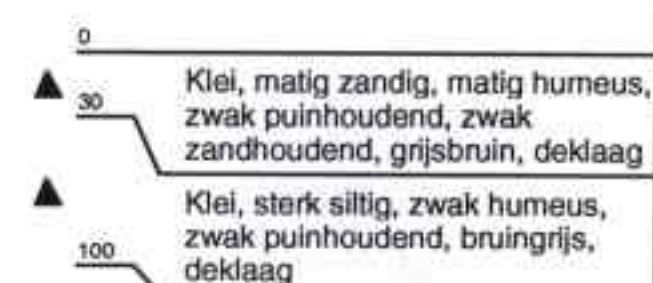
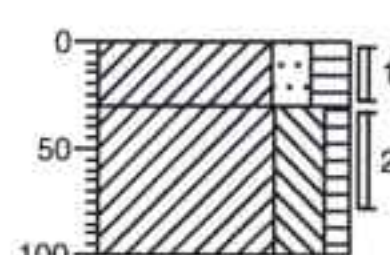
Schaal 1: 75
Boring: 019

Datum: 17-01-2003



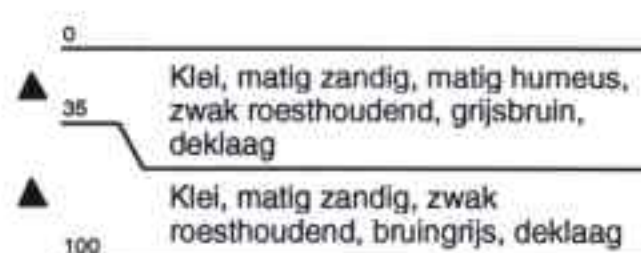
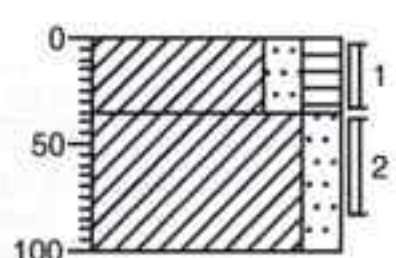
Boring: 020

Datum: 17-01-2003



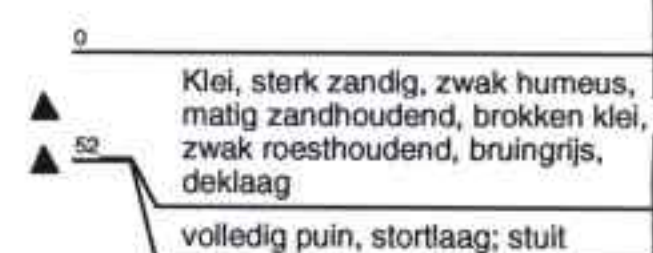
Boring: 021

Datum: 17-01-2003



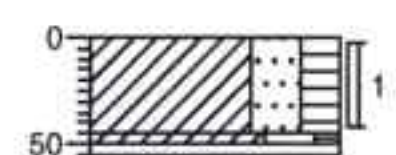
Boring: 022

Datum: 20-01-2003



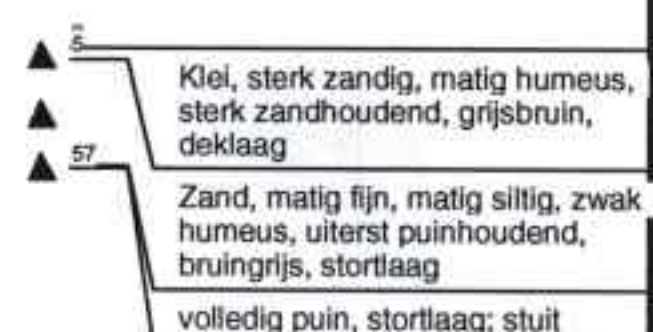
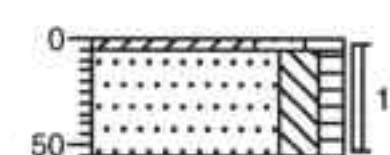
Boring: 023

Datum: 20-01-2003



Boring: 024

Datum: 20-01-2003

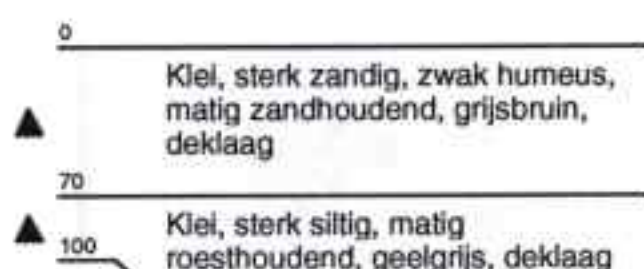
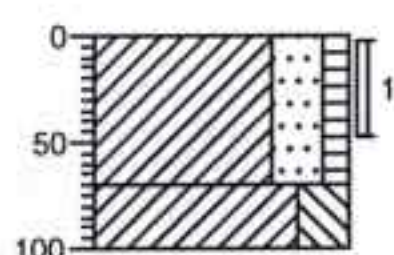


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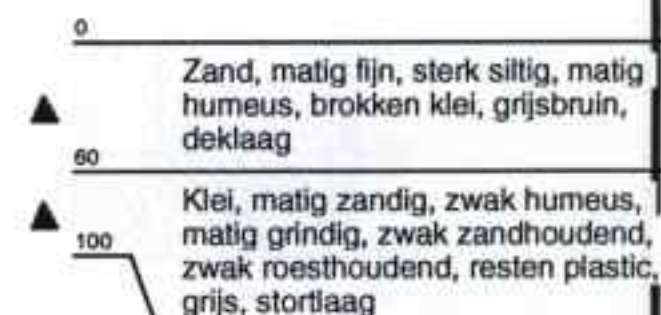
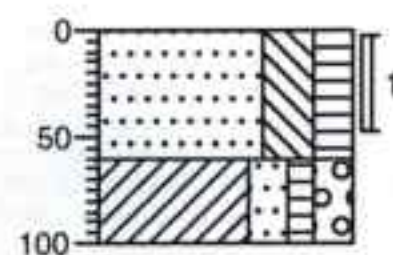
Schaal 1: 75
Boring: 025

Datum: 21-01-2003



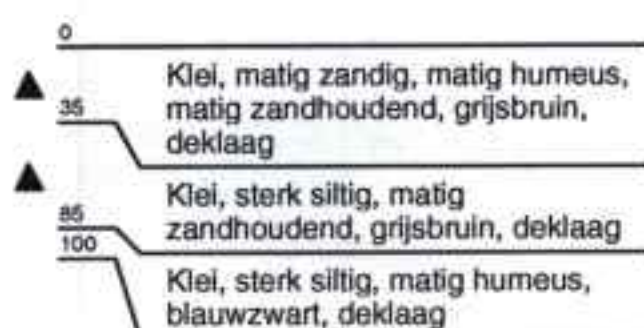
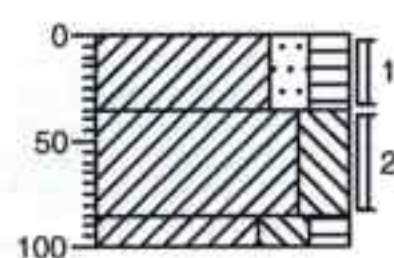
Boring: 026

Datum: 21-01-2003



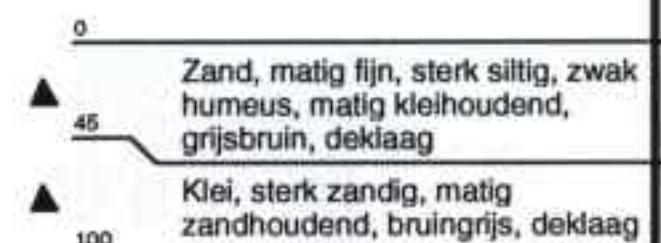
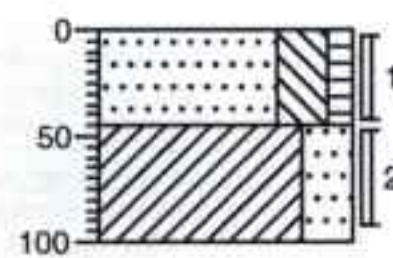
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Datum: 21-01-2003



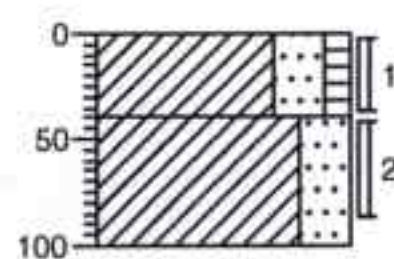
Boring: 028

Datum: 21-01-2003



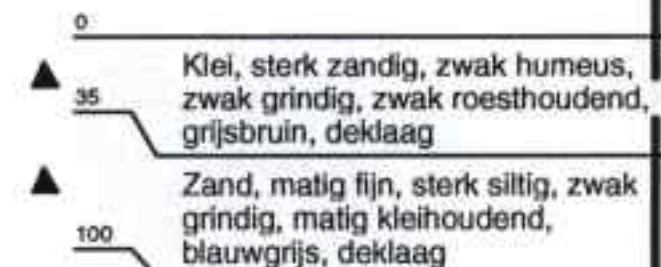
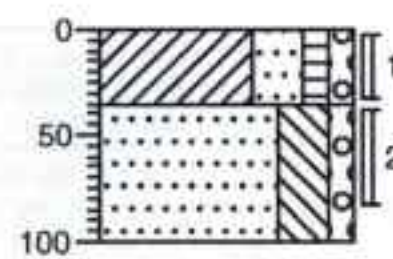
Boring: 029

Datum: 21-01-2003



Boring: 030

Datum: 21-01-2003

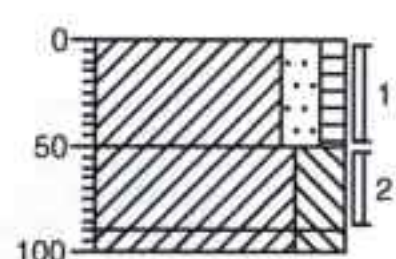


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Schaal 1: 75
Boring: 031

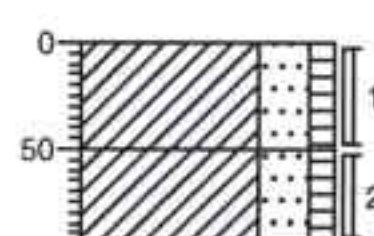
Datum: 21-01-2003



0
▲ Klei, matig zandig, zwak humeus, zwak zandhoudend, zwak roesthoudend, bruingrijs, deklaag
50
▲ Klei, sterk siltig, sterk zandhoudend, zwak roesthoudend, bruingrijs, deklaag
90
▲ Klei, sterk siltig, sterk zandhoudend, zwak roesthoudend, uiterst puinhoudend, bruingrijs, stortlaag
100

Boring: 032

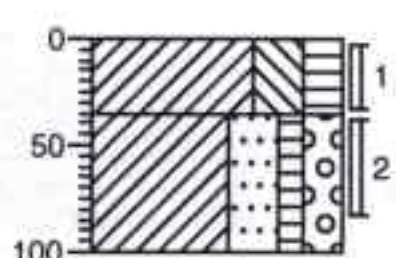
Datum: 20-01-2003



0
▲ Klei, sterk zandig, zwak humeus, sterk zandhoudend, zwak roesthoudend, zwak puinhoudend, grijsbruin, deklaag
50
▲ Klei, sterk zandig, zwak humeus, zwak roesthoudend, zwak puinhoudend, resten textiel, zwak zandhoudend, bruingrijs, stortlaag
90
▲ volledig puin, stortlaag; stuit
100

Boring: 033

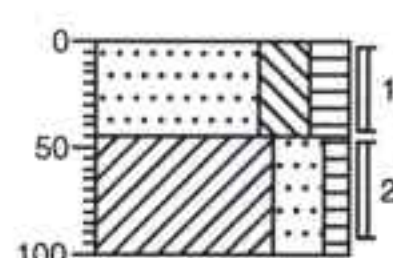
Datum: 20-01-2003



0
▲ Klei, sterk siltig, matig humeus, zwak zandhoudend, zwak roesthoudend, bruingrijs, deklaag
35
▲ Klei, sterk zandig, zwak humeus, matig grindig, sterk puinhoudend, resten plastic, zwak roesthoudend, matig zandhoudend, grijsbruin, stortlaag
100

Boring: 034

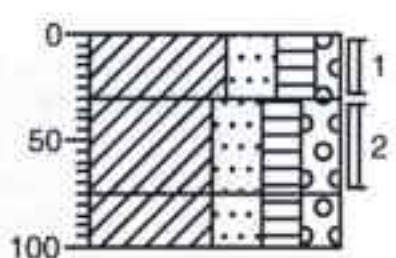
Datum: 20-01-2003



0
▲ Zand, zeer fijn, sterk siltig, matig humeus, bruingrijs, deklaag
45
▲ Klei, sterk zandig, zwak humeus, resten plastic, zwak roesthoudend, grijs, stortlaag
100

Boring: 035

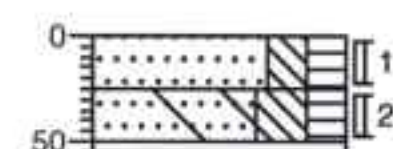
Datum: 20-01-2003



0
▲ Klei, sterk zandig, matig humeus, zwak grindig, zwak zandhoudend, grijsbruin, deklaag
30
▲ Klei, sterk zandig, matig humeus, matig grindig, sterk puinhoudend, grijsbruin, stortlaag
75
▲ Klei, sterk zandig, matig humeus, matig grindig, uiterst puinhoudend, grijsbruin, stortlaag
100

Boring: 036

Datum: 17-01-2003



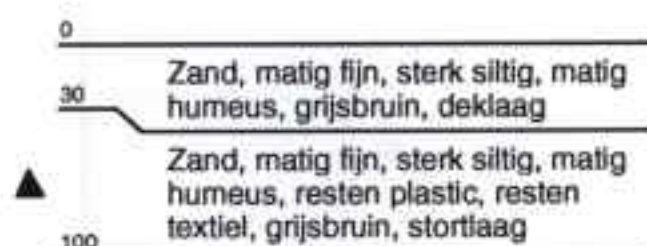
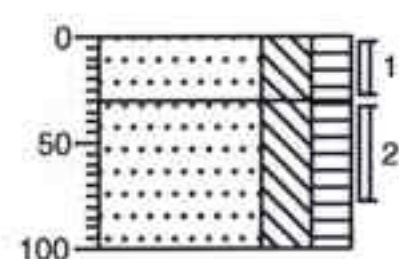
0
▲ Zand, matig fijn, matig siltig, matig humeus, grijsbruin, deklaag
25
▲ Zand, matig fijn, sterk siltig, matig humeus, resten metaal, resten glas, resten kolen, zwak puinhoudend, grijsbruin-zwart, stortlaag
50
▲ volledig puin, stortlaag; stuit
100

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Projectcode: 133568 455-005

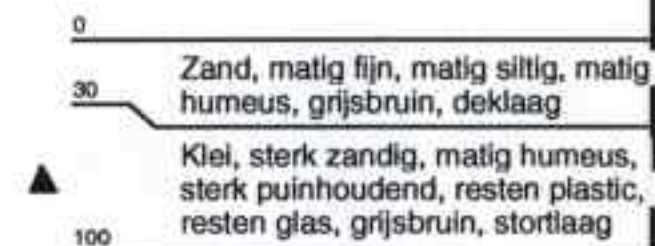
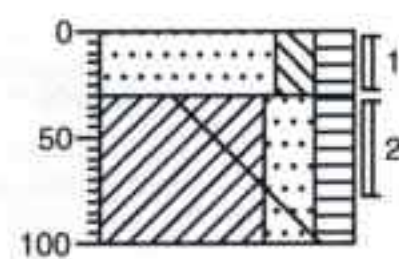
Schaal 1: 75
Boring: 037

Datum: 17-01-2003



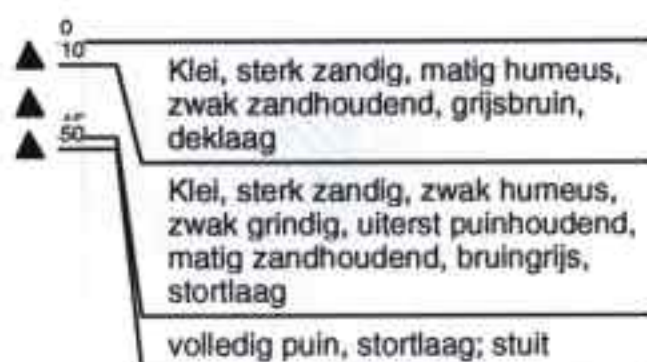
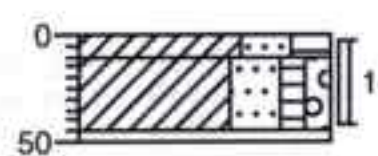
Boring: 038

Datum: 17-01-2003



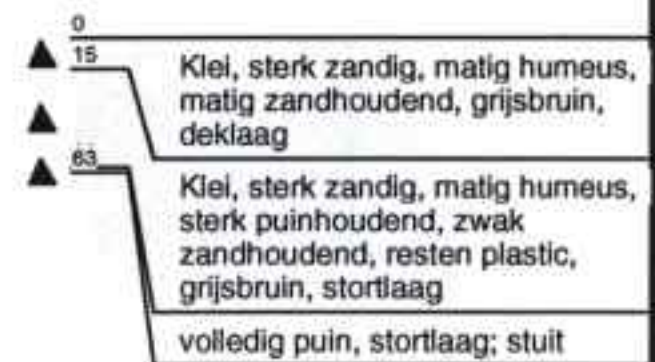
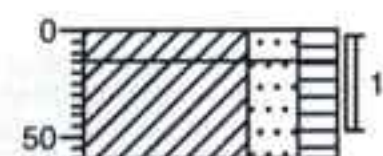
Boring: 039

Datum: 20-01-2003



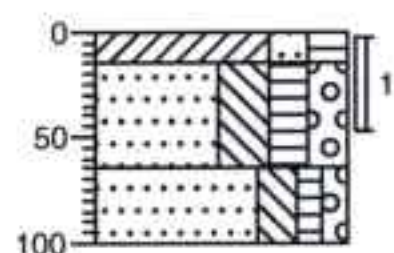
Boring: 040

Datum: 20-01-2003



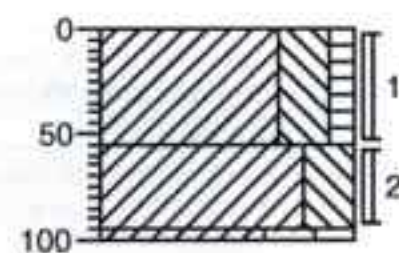
Boring: 041

Datum: 20-01-2003



Boring: 042

Datum: 20-01-2003

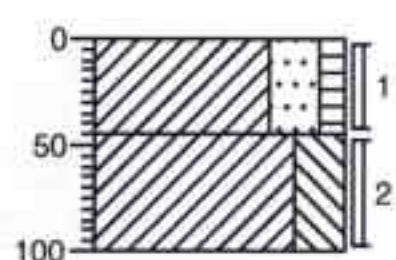


Projectnaam: DOVOS 455-005

Projectcode: 133568 455-005

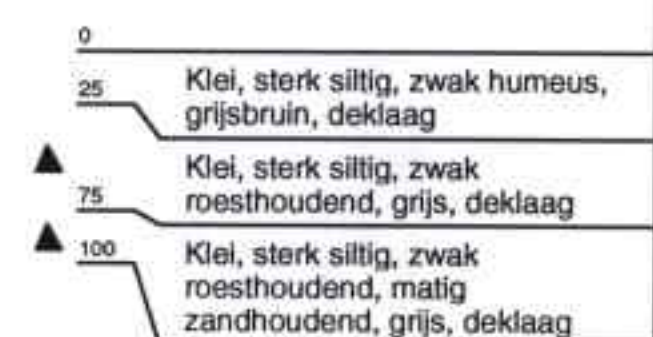
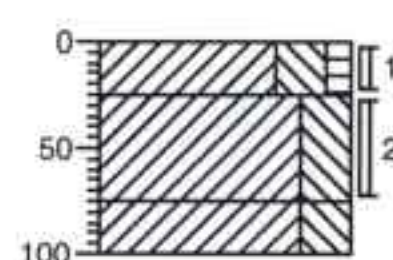
Schaal 1: 75
Boring: 043

Datum: 20-01-2003



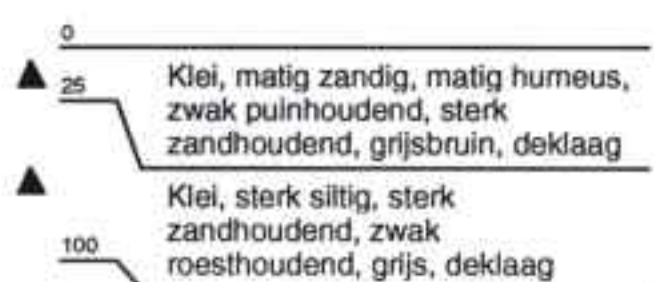
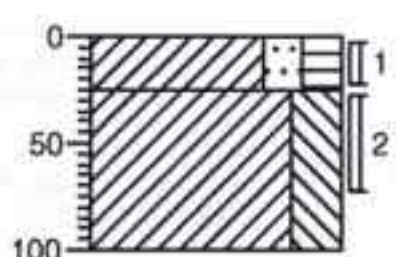
Boring: 044

Datum: 21-01-2003



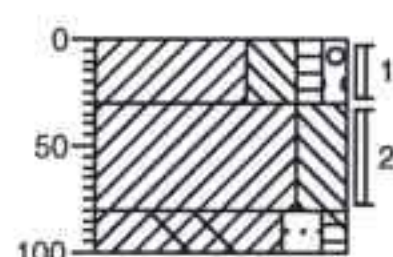
Boring: 045

Datum: 21-01-2003



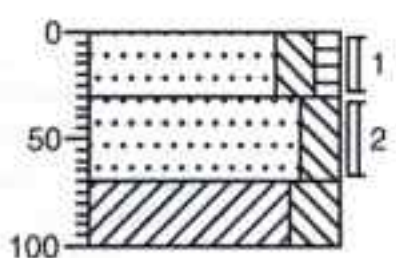
Boring: 046

Datum: 21-01-2003



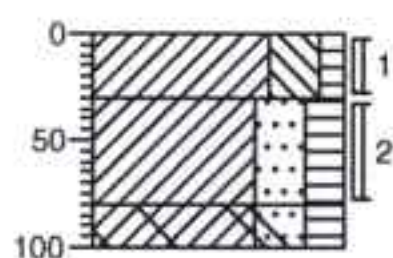
Boring: 047

Datum: 21-01-2003



Boring: 048

Datum: 21-01-2003

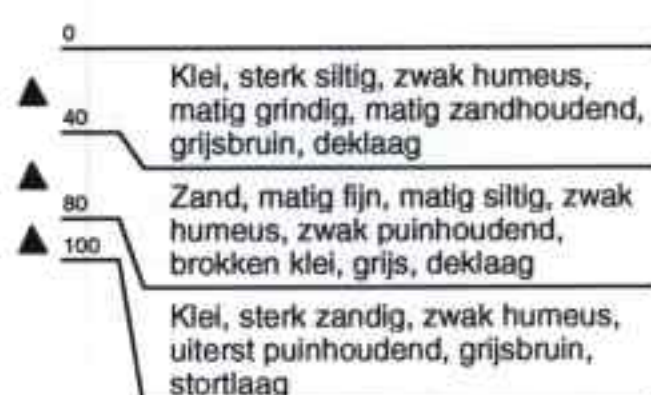
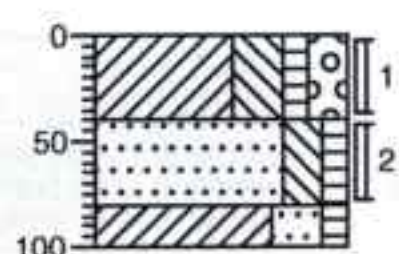


Projectnaam: DOVOS 455-005

Projectcode: 133568 455-005

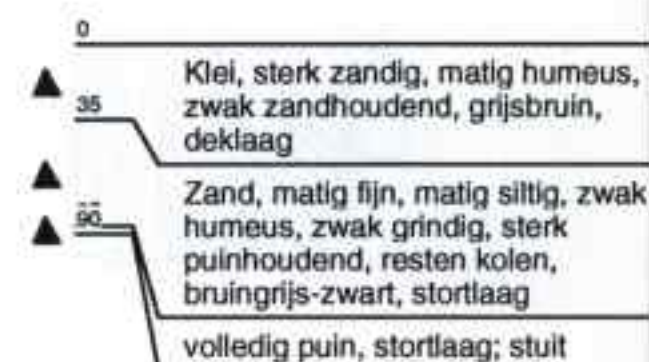
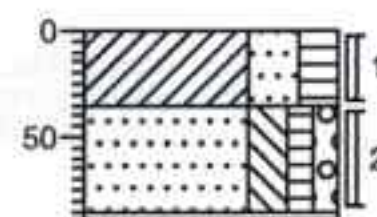
Schaal 1: 75
Boring: 049

Datum: 20-01-2003



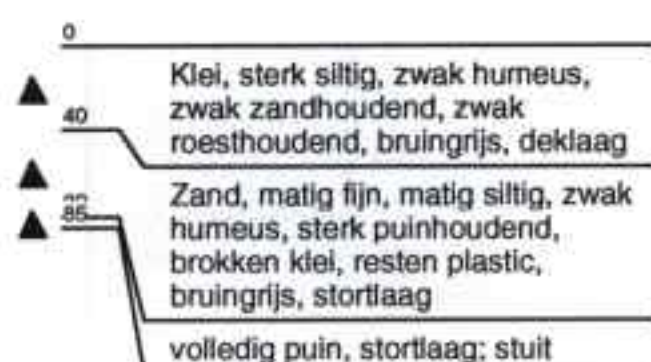
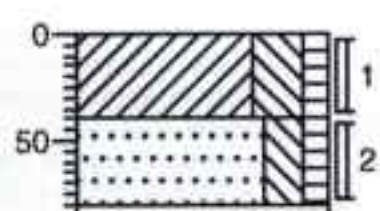
Boring: 050

Datum: 20-01-2003



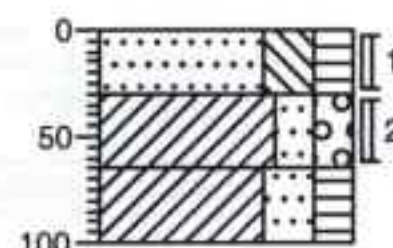
Boring: 051

Datum: 20-01-2003



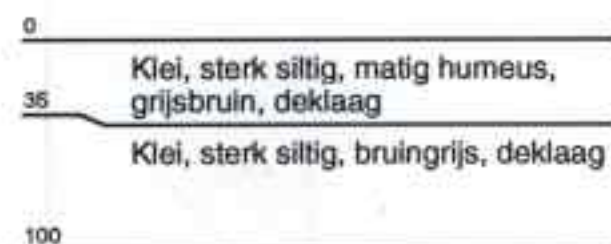
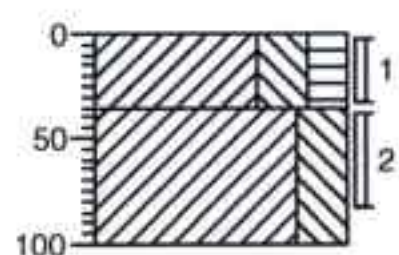
Boring: 052

Datum: 20-01-2003



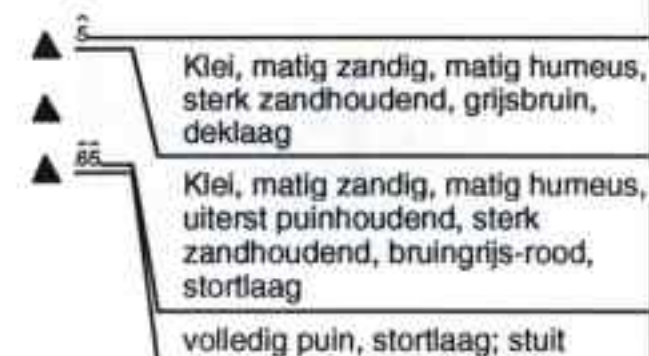
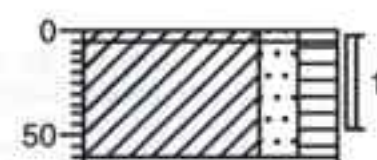
Boring: 053

Datum: 20-01-2003



Boring: 054

Datum: 20-01-2003

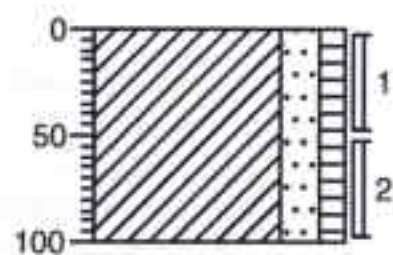


Projectnaam: DOVOS 455-005

Projectcode: 133568 455-005

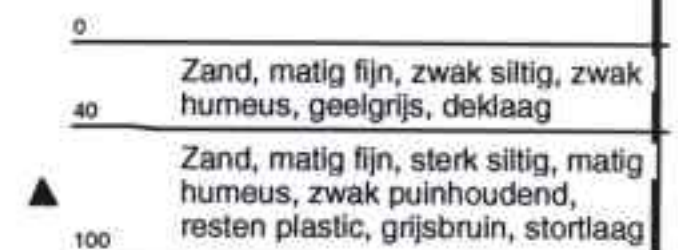
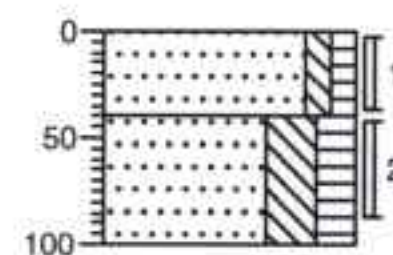
Schaal 1: 75
Boring: 055

Datum: 20-01-2003



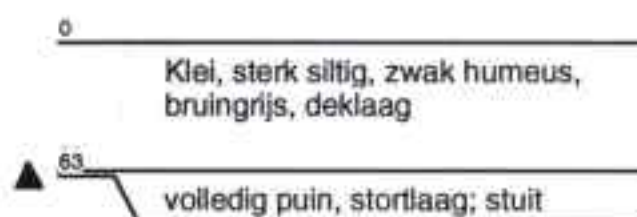
Boring: 056

Datum: 20-01-2003



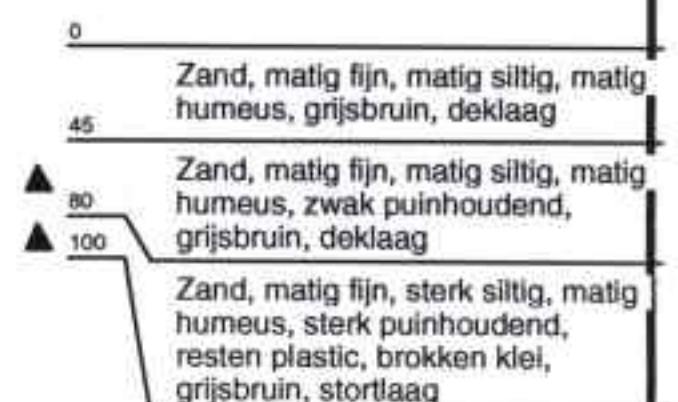
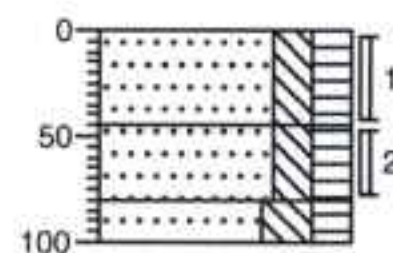
Boring: 057

Datum: 20-01-2003



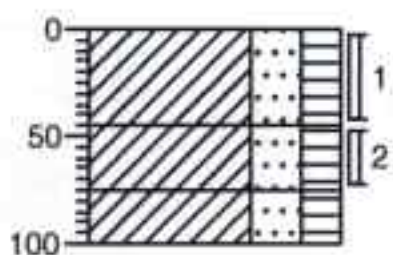
Boring: 058

Datum: 20-01-2003



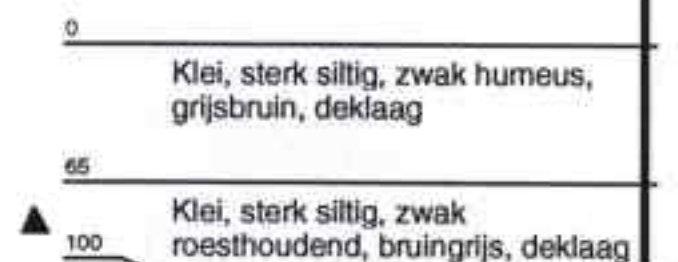
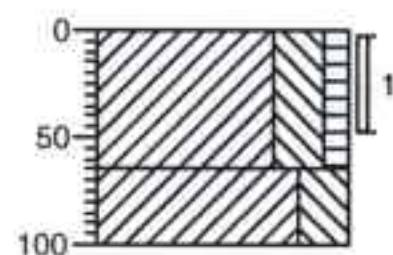
Boring: 059

Datum: 20-01-2003



Boring: 060

Datum: 21-01-2003

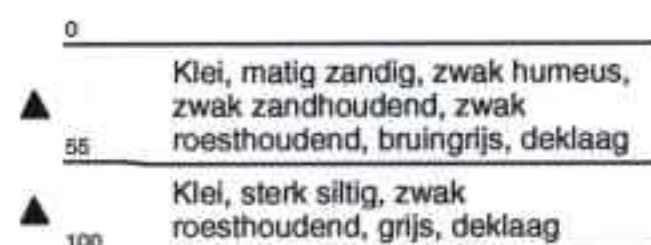
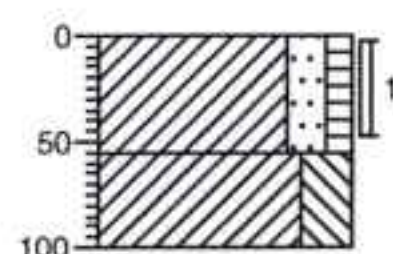


Projectnaam: DOVOS 455-005

Projectcode: 133568 455-005

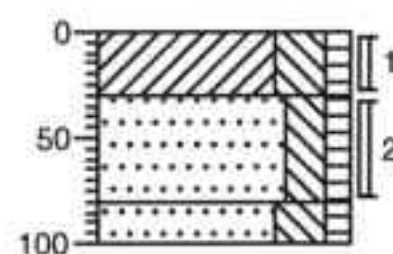
Schaal 1: 75
Boring: 061

Datum: 21-01-2003



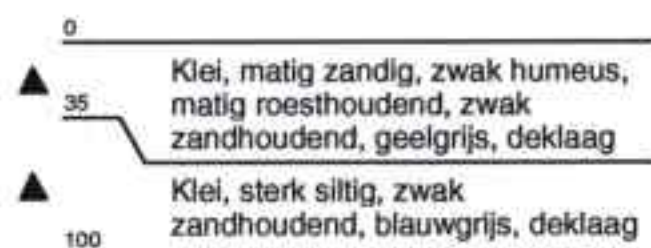
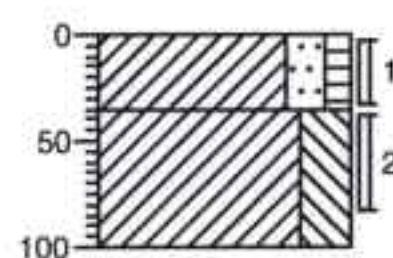
Boring: 062

Datum: 21-01-2003



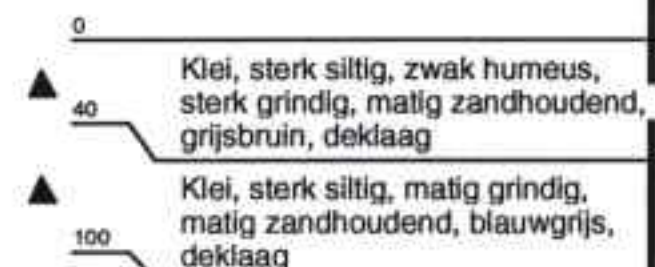
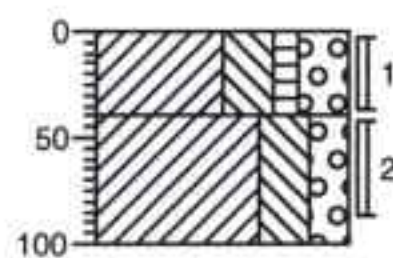
Boring: 063

Datum: 21-01-2003



Boring: 064

Datum: 21-01-2003



Projectnaam: DOVOS 455-005

Projectcode: 133568 455-005



INGEKOMEN - 4 FEB. 2003

Grontmij Arnhem
N. Bisseling
Postbus 485
6800 AL Arnhem

Hoogvliet, 31-01-2003

Geachte N. Bisseling,

Hierbij zenden wij u de analyse resultaten van het laboratoriumonderzoek van het door u aangeboden monstermateriaal met de bij de monsterspecificatie weergegeven beschrijving.
Deze resultaten hebben betrekking op :

Uw projektnaam : 455/005 (133568)
Uw projektnummer : DOVOSDOVOS

ALcontrol rapportnummer : 030502Z

Dit analyserapport bestaat uit : 4 pagina's waarvan 3 als bijlage. Uitgebreide informatie over de door ons gehanteerde analysemethoden kunt u terugvinden in onze algemene informatiegids, uitgave 2000.

Indien u vragen en/of opmerkingen heeft naar aanleiding van deze resultaten, verzoeken wij u contact op te nemen met de afdeling Customer Services.
Alleen vermenigvuldiging van het hele rapport is toegestaan.

Vertrouwende u met deze informatie van dienst te zijn, verblijven wij
Hoogachtend,

drs. M.G.M. Groenewegen
Laboratorium Manager

voor deze:



Grontmij Arnhem
N. Bisseling

Bijlage 1 van 3

Projektnaam : 455/005 (133568)
 Projektnummer : DOVOSDOVOS
 Datum opdracht : 27-01-2003
 Startdatum : 27-01-2003

Rapportnummer : 030502Z
 Rapportagedatum : 31-01-2003

Analyse	Eenheid	X01	X02	X03	X04	X05	X06
droge stof	gew.-%	81.7	78.2	81.2	79.3	81.4	78.3
organische stof (gloeiverl % vd DS)		3.1	4.6	3.9	3.5	2.8	4.0
KORRELGROOTTEVERDELING							
lutum (bodem)	% vd DS	11	17	13	11	18	11
METALEN							
arsen	mg/kgds	6.1	9.6	8.2	6.9	8.9	8.1
cadmium	mg/kgds	<0.4	0.5	0.4	0.4	<0.4	<0.4
chrom	mg/kgds	16	28	26	17	22	24
koper	mg/kgds	13	16	19	15	16	17
kwik	mg/kgds	0.06	0.09	0.08	<0.05	0.07	0.08
lood	mg/kgds	32	31	30	23	28	31
nikkel	mg/kgds	14	23	21	15	18	19
zink	mg/kgds	82	110	88	80	75	83
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN							
naftaleen	mg/kgds	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
fenantreen	mg/kgds	0.57	0.07	0.41	0.04	0.13	0.08
antraceen	mg/kgds	0.18	<0.02	0.12	<0.02	0.03	0.02
fluoranteen	mg/kgds	1.1	0.26	0.81	0.10	0.78	0.30
benzo(a)antraceen	mg/kgds	0.60	0.11	0.40	0.07	0.33	0.20
chryseen	mg/kgds	0.46	0.15	0.42	0.09	0.36	0.25
benzo(k)fluoranteen	mg/kgds	0.34	0.06	0.23	0.06	0.16	0.16
benzo(a)pyreen	mg/kgds	0.49	0.09	0.32	0.08	0.25	0.21
benzo(ghi)peryleen	mg/kgds	0.30	0.07	0.21	0.07	0.17	0.17
indeno(1,2,3-cd)pyreen	mg/kgds	0.42	0.08	0.23	0.09	0.19	0.20
Pak-totaal (10 van VROM)	mg/kgds	4.5	0.90	3.2	0.63	2.4	1.6
EOX	mg/kgds	0.12	<0.1	0.23	<0.1	<0.1	0.13
MINERALE OLIE							
fractie C10 - C12	mg/kgds	<5	<5	<5	<5	<5	<5
fractie C12 - C22	mg/kgds	5	5	5	<5	10	<5
fractie C22 - C30	mg/kgds	10	10	20	5	15	<5
fractie C30 - C40	mg/kgds	5	10	20	5	<5	<5
totaal olie C10-C40	mg/kgds	20	25	40	<20	25	<20

Kode	Monstersoort	Monsterspecificatie
X01	grond	MM1 007(0-40) 003(0-45) 006(0-50) 005(0-25) 004(0-30)
X02	grond	MM2 020(0-30) 019(0-20) 021(0-35) 008(0-50) 035(0-30)
X03	grond	MM3 009(0-25) 010(0-40) 022(0-50) 017(0-40) 023(0-45)
X04	grond	MM4 025(0-50) 015(0-45) 011(0-35) 013(0-35)
X05	grond	MM5 042(0-55) 055(0-50) 053(0-35) 031(0-50) 033(0-35) 032(0-50)
X06	grond	MM6 045(0-25) 044(0-25) 030(0-35) 027(0-35) 029(0-40)





Grontmij Arnhem
N. Bisseling

Projektnaam : 455/005 (133568)
Projektnummer : DOVOSDOVOS
Datum opdracht : 27-01-2003
Startdatum : 27-01-2003

Bijlage 2 van 3

Rapportnummer : 030502Z
Rapportagedatum : 31-01-2003

Analyse	Eenheid	X07	X08
droge stof	gew.-%	84.3	84.8
organische stof (gloeiverl % vd DS)		3.3	2.2
KORRELGROOTTEVERDELING			
lutum (bodem)	% vd DS	14	16
METALEN			
arsen	mg/kgds	7.4	8.5
cadmium	mg/kgds	<0.4	<0.4
chrom	mg/kgds	18	21
koper	mg/kgds	12	12
kwik	mg/kgds	0.08	0.08
lood	mg/kgds	31	26
nikkel	mg/kgds	15	18
zink	mg/kgds	61	71
POLYCYCLISCHE AROMATISCHE KOOLWATERSTOFFEN			
naftaleen	mg/kgds	<0.02	<0.02
fenantreen	mg/kgds	0.08	0.39
antraceen	mg/kgds	0.03	0.09
fluoranteen	mg/kgds	0.16	0.58
benzo(a)antraceen	mg/kgds	0.06	0.25
chryseen	mg/kgds	0.10	0.25
benzo(k)fluoranteen	mg/kgds	0.02	0.12
benzo(a)pyreen	mg/kgds	0.08	0.22
benzo(ghi)peryleen	mg/kgds	0.06	0.14
indeno(1,2,3-cd)pyreen	mg/kgds	0.07	0.14
Pak-totaal (10 van VROM)	mg/kgds	0.65	2.2
EOX	mg/kgds	<0.1	0.15
MINERALE OLIE			
fractie C10 - C12	mg/kgds	<5	<5
fractie C12 - C22	mg/kgds	5	<5
fractie C22 - C30	mg/kgds	<5	<5
fractie C30 - C40	mg/kgds	<5	<5
totaal olie C10-C40	mg/kgds	<20	<20

Kode	Monstersoort	Monsterspecificatie
X07	grond	MM7 051(0-40) 050(0-35) 049(0-40) 048(0-30) 046(0-30)
X08	grond	MM8 059(0-45) 064(0-40) 063(0-35) 060(0-50) 061(0-50) 062(0-30)





Grontmij Arnhem
N. Bisseling

Projectnaam : 455/005 (133568)
Projectnummer : DOVOSDOVOS
Datum opdracht : 27-01-2003
Startdatum : 27-01-2003

Bijlage 3 van 3

Rapportnummer : 030502Z
Rapportagedatum : 31-01-2003

Analyse	Monstersoort	Relatie tot norm
droge stof	grond	Conform NEN 5747
organische stof (gloeiverlies)	grond	Conform NEN 5754
lutum (bodem)	grond	Eigen methode, pipetmethode met versnelde mineralisatie
arsen	grond	Eigen methode, ontsluiting verdund koningswater, analyse met AES-ICP
cadmium	grond	Idem
chromium	grond	Idem
koper	grond	Idem
kwik	grond	Eigen methode, ontsluiting verdund koningswater, analyse met AAS-koude damp
lood	grond	Eigen methode, ontsluiting verdund koningswater, analyse met AES-ICP
nikkel	grond	Idem
zink	grond	Idem
naftaleen	grond	Eigen methode, aceton-hexaan-extractie, analyse m.b.v. GC-MS
fenantreen	grond	Idem
antraceen	grond	Idem
fluoranteen	grond	Idem
benzo(a)antraceen	grond	Idem
chryseen	grond	Idem
benzo(k)fluoranteen	grond	Idem
benzo(a)pyreen	grond	Idem
benzo(ghi)peryleen	grond	Idem
indeno(1,2,3-cd)pyreen	grond	Idem
EOX	grond	Eigen methode, aceton-hexaan-extractie, analyse m.b.v. micro-coulometer
Minerale olie GC (C10-C40)	grond	Eigen methode, aceton-hexaan-extractie, clean-up, analyse m.b.v. GC-FID

De met een * gemerkte analyses vallen niet onder de Sterlab erkenning.

Monster informatie: (Containers / Ontvangstdata)

X01	a2903364	21-01-03,	a2903377	21-01-03,	a3279449	21-01-03,	a3279457	21-01-03,	a3279464	21-01-03
X02	a3279440	21-01-03,	a3279462	21-01-03,	a3279473	21-01-03,	a3279485	21-01-03,	a3279629	21-01-03
X03	a2903367	21-01-03,	a3279468	21-01-03,	a3279474	21-01-03,	a3279666	21-01-03,	a3279716	21-01-03
X04	a2698188	21-01-03,	a2903365	21-01-03,	a2903370	21-01-03,	a2903372	21-01-03,		
X05	a2903362	21-01-03,	a3279596	21-01-03,	a3279609	21-01-03,	a3279657	21-01-03,	a3279697	21-01-03,
	a3279698	21-01-03								
X06	a2698157	21-01-03,	a2698450	21-01-03,	a2698467	21-01-03,	a2903357	21-01-03,	a2903361	21-01-03
X07	a2698422	21-01-03,	a3279694	21-01-03,	a3279696	21-01-03,	a3279699	21-01-03,	a3279711	21-01-03
X08	a2698415	21-01-03,	a2698448	21-01-03,	a2698459	21-01-03,	a2698476	21-01-03,	a3279688	21-01-03,
	a3279719	21-01-03								





Grontmij Arnhem

N. Bisseling

Postbus 485

6800 AL Arnhem

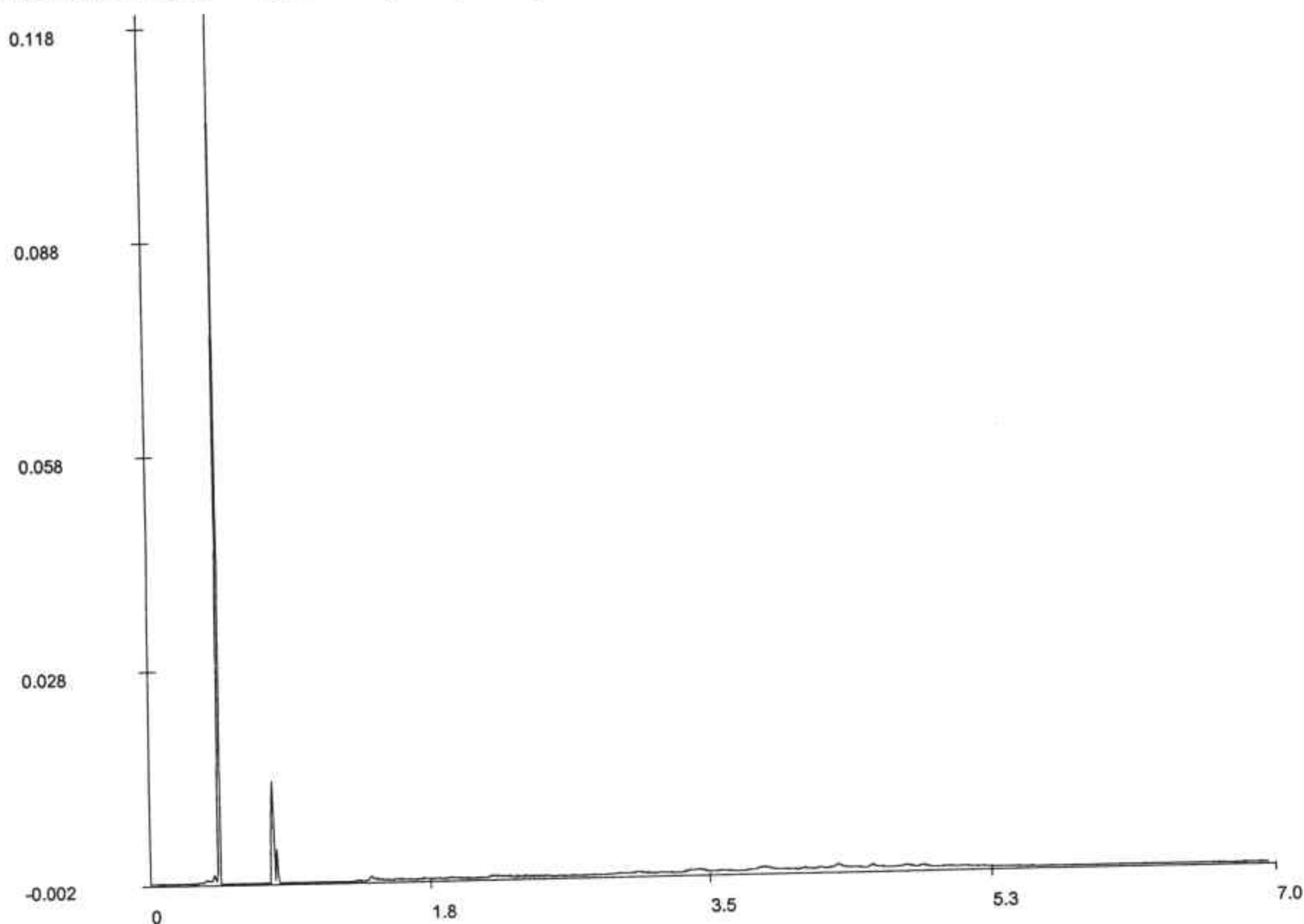
Monsternummer: 030502Z X001

Datum analyse: 30/1/03

Projectnummer: 4550051

Projectnaam: 455/005 (133568)

Monsteromschr.: MM1 007(0-40) 003(0-45) 006(0-50) 005(0-25) 004(0-30)



Olie GC - chromatogram

Voor analyseresultaten: zie rapport

Karakterisering naar alkaantraject

Retentietijden van de even alkanen in minuten:

benzine	C9-C14	C10	1.4
kerosine en petroleum	C10-C16	C12	2.1
diesel en gasolie	C10-C28	C22	3.5
motorolie	C20-C36	C30	4.4
stookolie	C10-C36	C40	5.5

Bij vloeibare monstertypes zijn de getoonde retentietijden voor de even alkanen indicatief.





Grontmij Arnhem

N. Bisseling

Postbus 485

6800 AL Arnhem

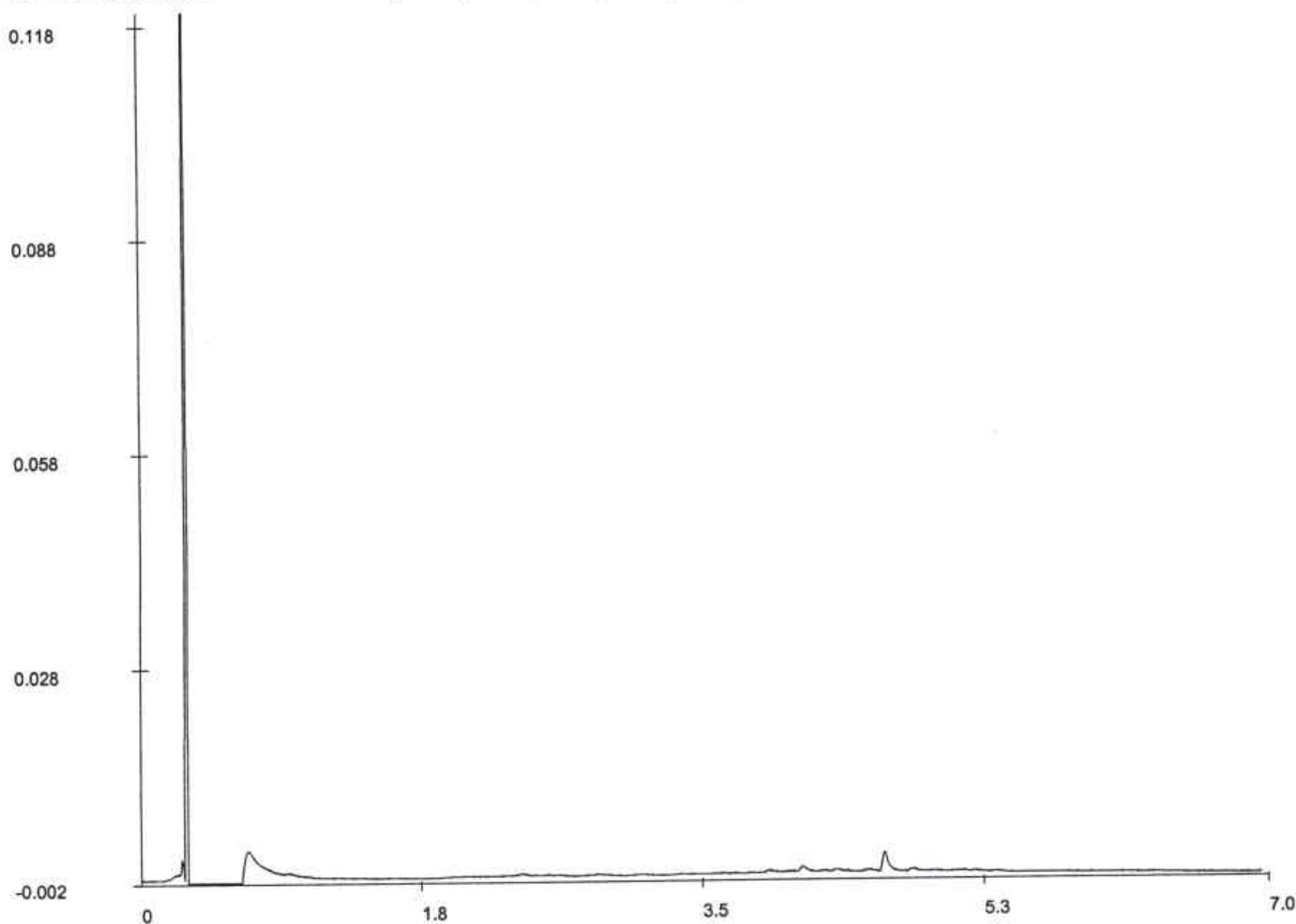
Monsternummer: 030502Z X002

Datum analyse: 30/1/03

Projectnummer: 4550051

Projectnaam: 455/005 (133568)

Monsteromschr.: MM2 020(0-30) 019(0-20) 021(0-35) 008(0-50) 035(0-30)



Olie GC - chromatogram

Voor analyseresultaten: zie rapport

Karakterisering naar alkaantraject

Retentietijden van de even alkanen in minuten:

benzine	C9-C14	C10	1.0
kerosine en petroleum	C10-C16	C12	1.9
diesel en gasolie	C10-C28	C22	3.3
motorolie	C20-C36	C30	4.2
stookolie	C10-C36	C40	5.2

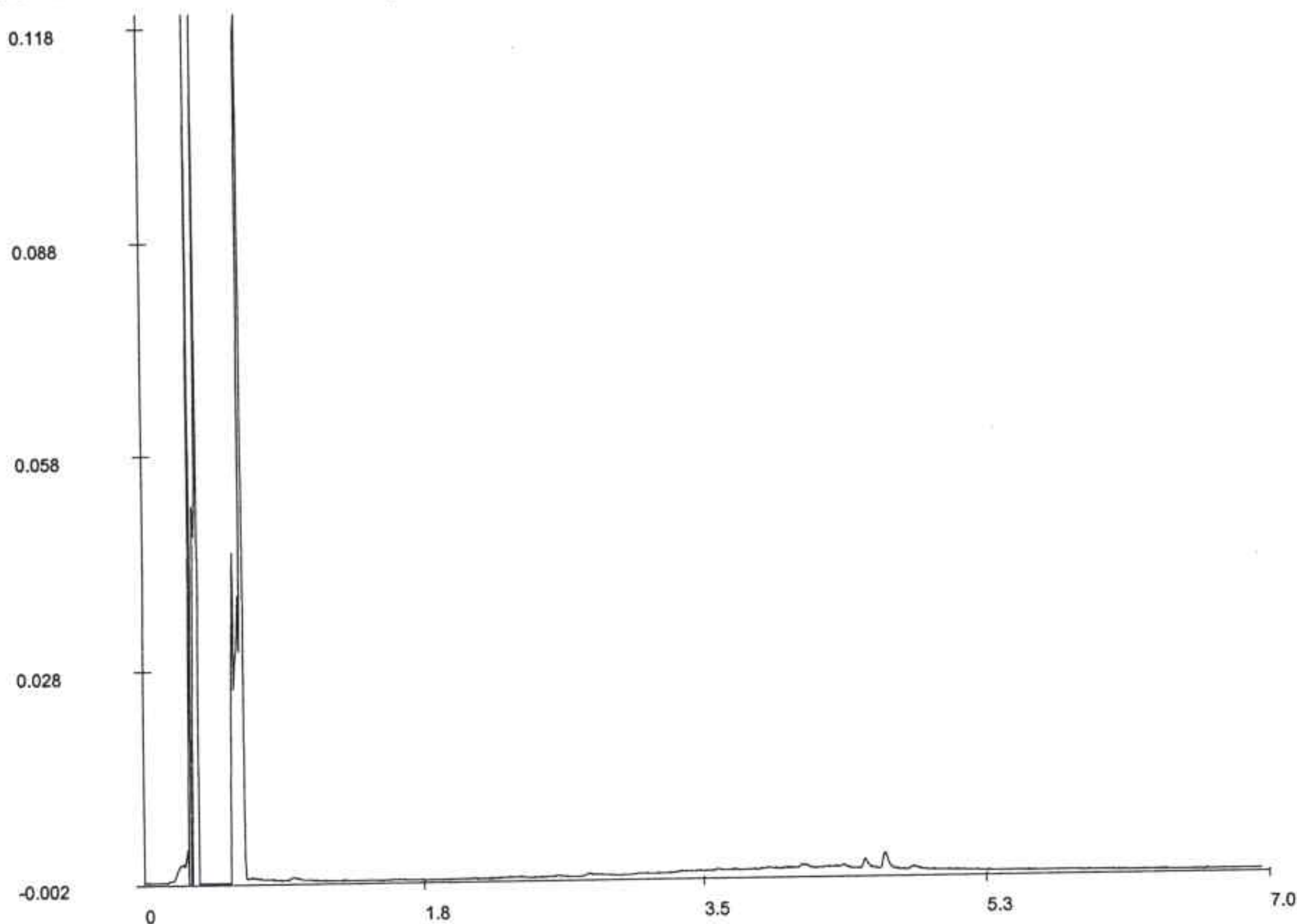
Bij vloeibare monstertypes zijn de getoonde retentietijden voor de even alkanen indicatief.





Grontmij Arnhem
N. Bisseling
Postbus 485
6800 AL Arnhem

Monsternummer: 030502Z X003
Datum analyse: 30/1/03
Projectnummer: 4550051
Projectnaam: 455/005 (133568)
Monsteromschr.: MM3 009(0-25) 010(0-40) 022(0-50) 017(0-40) 023(0-45)



Olie GC - chromatogram

Voor analyseresultaten: zie rapport

Karakterisering naar alkaantraject

Retentietijden van de even alkanen in minuten:

benzine	C9-C14	C10	1.0
kerosine en petroleum	C10-C16	C12	1.9
diesel en gasolie	C10-C28	C22	3.3
motorolie	C20-C36	C30	4.2
stookolie	C10-C36	C40	5.2

Bij vloeibare monstertypes zijn de getoonde retentietijden voor de even alkanen indicatief.





Grontmij Arnhem

N. Bisseling

Postbus 485

6800 AL Arnhem

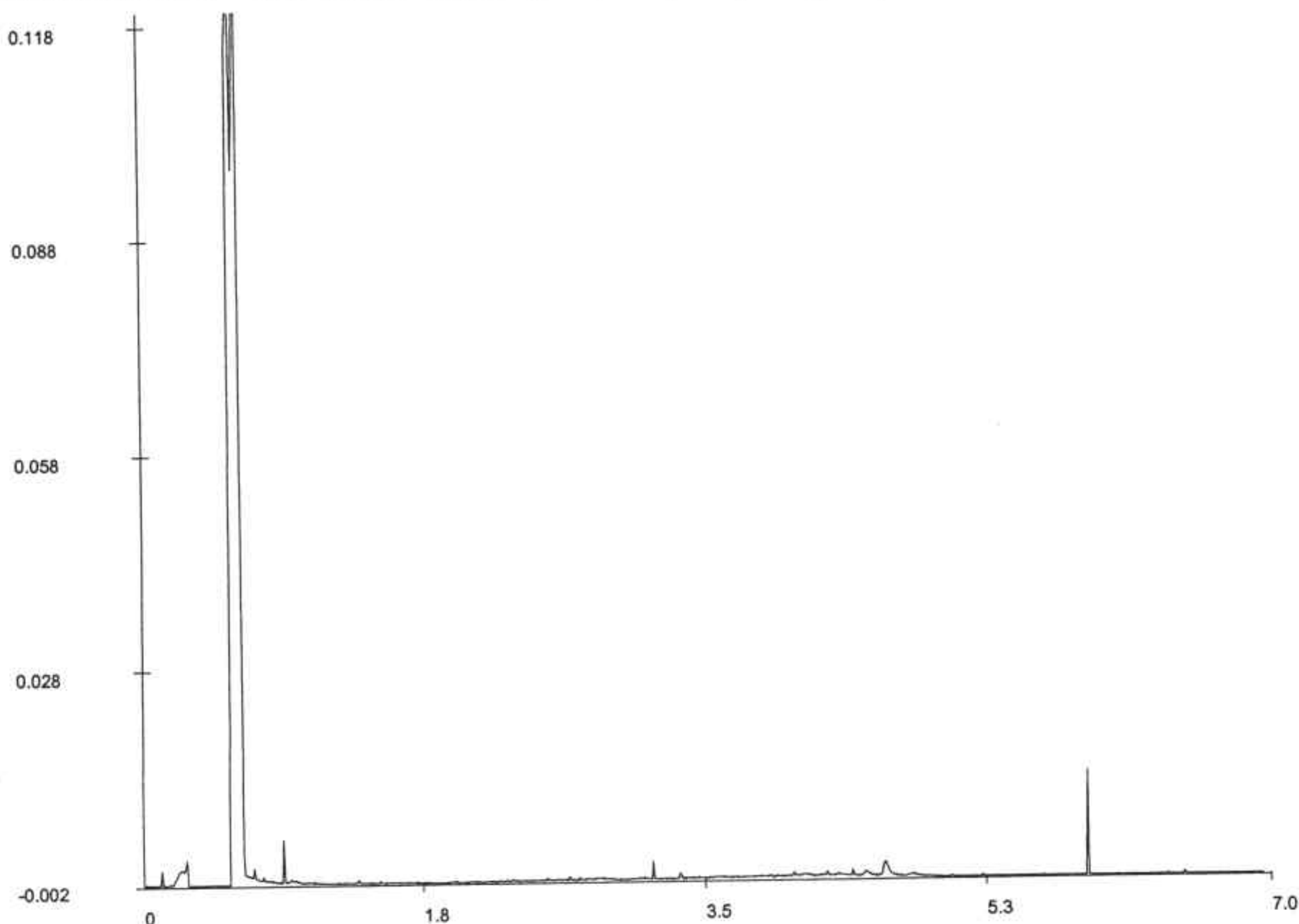
Monsternummer: 030502Z X004

Datum analyse: 30/1/03

Projectnummer: 4550051

Projectnaam: 455/005 (133568)

Monsteromschr.: MM4 025(0-50) 015(0-45) 011(0-35) 013(0-35)



Olie GC - chromatogram

Voor analyseresultaten: zie rapport

Karakterisering naar alkaantraject

Retentietijden van de even alkanen in minuten:

benzine	C9-C14	C10	1.0
kerosine en petroleum	C10-C16	C12	1.9
diesel en gasolie	C10-C28	C22	3.3
motorolie	C20-C36	C30	4.2
stookolie	C10-C36	C40	5.2

Bij vloeibare monstertypes zijn de getoonde retentietijden voor de even alkanen indicatief.





Grontmij Arnhem

N. Bisseling

Postbus 485

6800 AL Arnhem

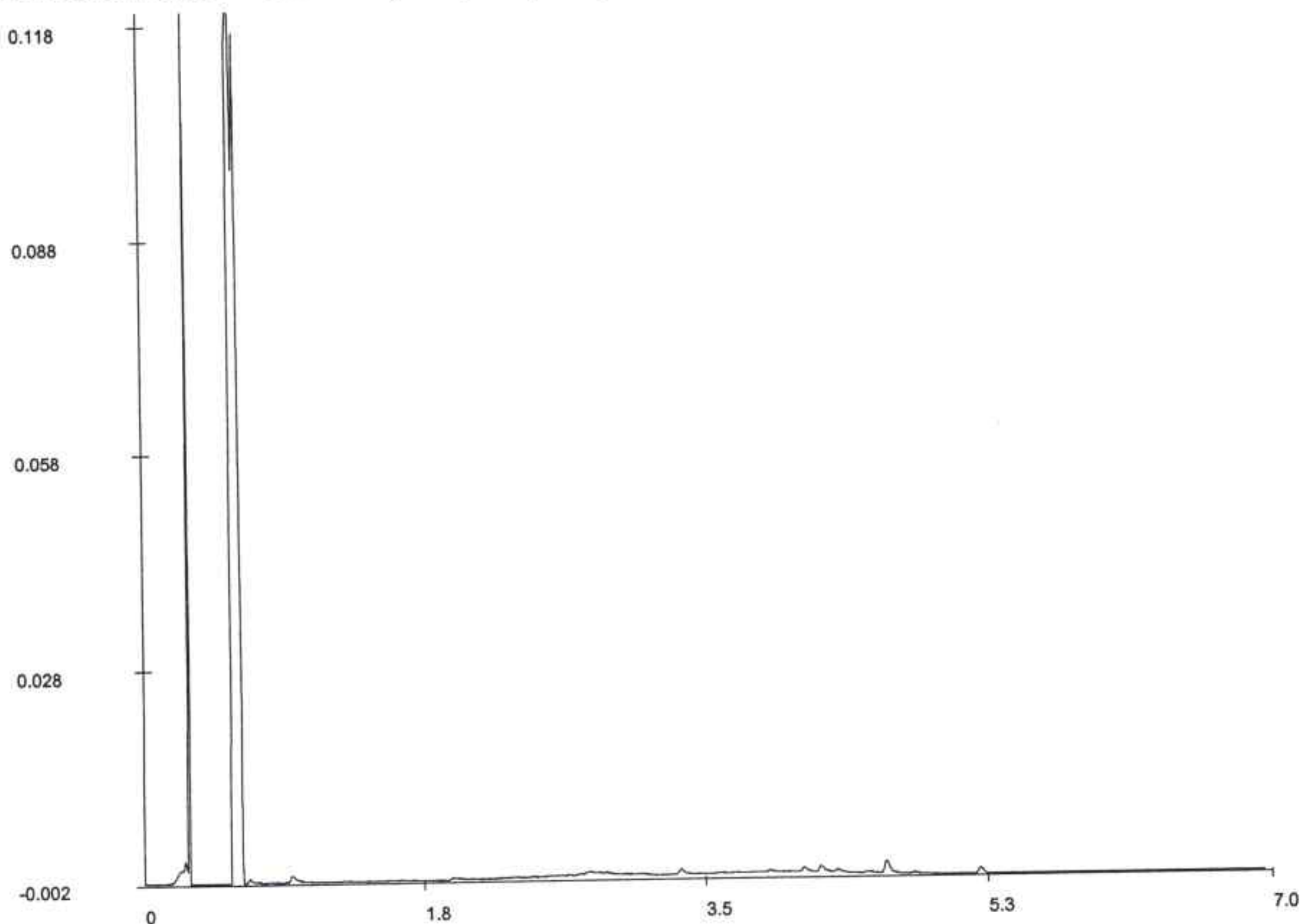
Monsternummer: 030502Z X005

Datum analyse: 30/1/03

Projectnummer: 4550051

Projectnaam: 455/005 (133568)

Monsteromschr.: MM5 042(0-55) 055(0-50) 053(0-35) 031(0-50) 033(0-35) 032(0-50)



Olief GC - chromatogram

Voor analyseresultaten: zie rapport

Karakterisering naar alkaantraject

Retentietijden van de even alkanen in minuten:

benzine	C9-C14	C10	1.0
kerosine en petroleum	C10-C16	C12	1.9
diesel en gasolie	C10-C28	C22	3.3
motorolie	C20-C36	C30	4.2
stookolie	C10-C36	C40	5.2

Bij vloeibare monstertypes zijn de getoonde retentietijden voor de even alkanen indicatief.





Grontmij Arnhem

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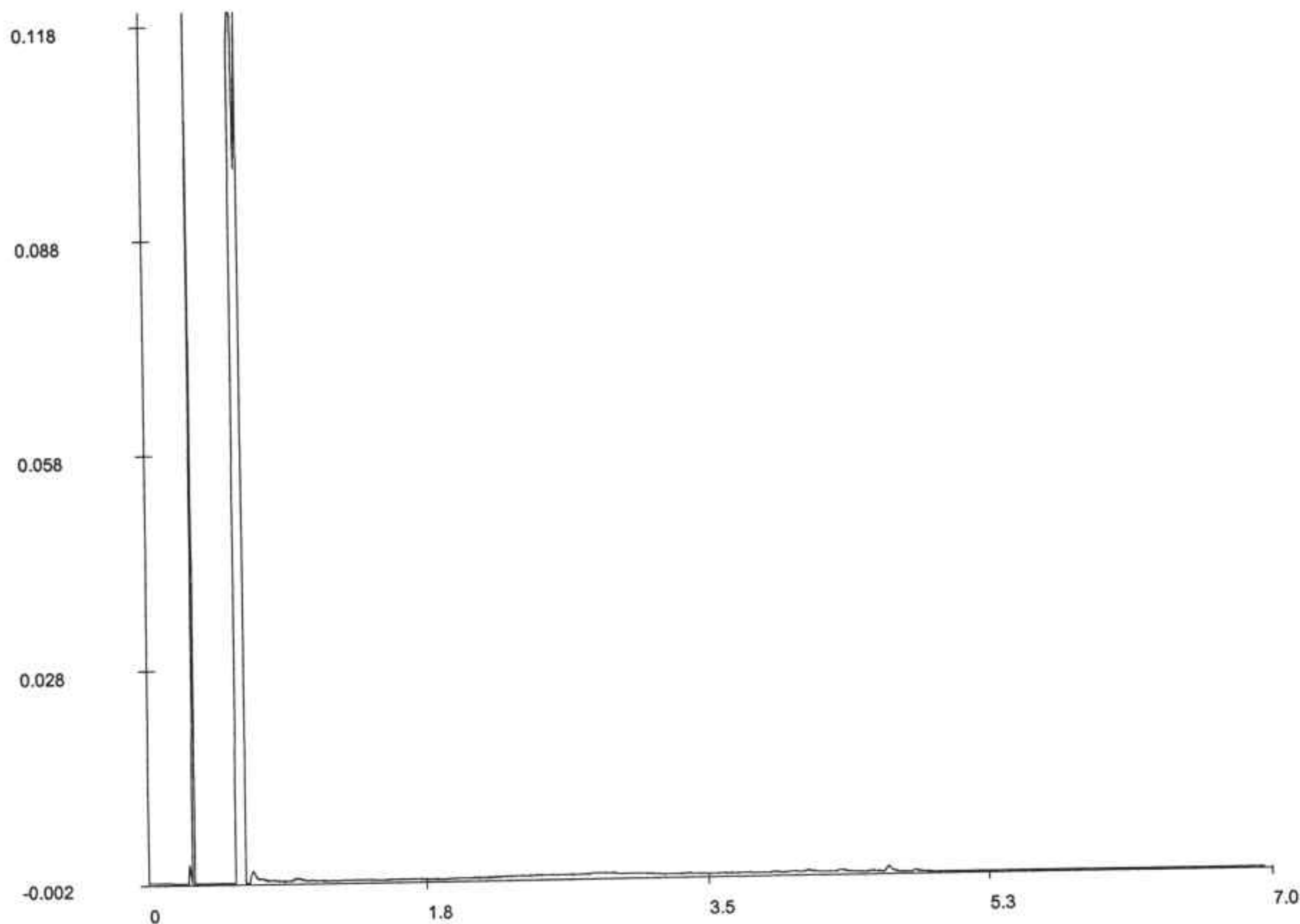
Monsternummer: 030502Z X007

Datum analyse: 30/1/03

Projectnummer: 4550051

Projectnaam: 455/005 (133568)

Monsteromschr.: MM7 051(0-40) 050(0-35) 049(0-40) 048(0-30) 046(0-30)



Olief GC - chromatogram

Voor analyseresultaten: zie rapport

Karakterisering naar alkaantraject

Retentietijden van de even alkanen in minuten:

benzine	C9-C14	C10	1.0
kerosine en petroleum	C10-C16	C12	1.9
diesel en gasolie	C10-C28	C22	3.3
motorolie	C20-C36	C30	4.2
stookolie	C10-C36	C40	5.2

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