

Werkdocument

Aan

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Contactpersoon D. van Maldegem, G. spronk	Doorkiesnummer
-	-
Datum	Bijlage(n)
6 juli 1999	-6
Nummer	Product
RIKZ/AB-99.832X	- Zeetunnel
Onderwerp	
Troebelheidsmetingen Westerschelde: ijkpunt DOW-steiger 1-12-98 t/m 9-6-99	

De gehalten in de monsters voor de ijklijnen, die genomen zijn op 9/6/99 liggen telkens dicht bij elkaar. Ze passen echter wel in het beeld van de samengevoegde ijklijn. In bijlage 1 t/m 3 staan de ijklijnen van 9/6/99 en in bijlage 4 t/m 6 staan de samengevoegde ijklijnen, die gebruikt kunnen worden voor de periode 26/5/99 tot 9/6/99. In verband met de afronding van de kwartaalrapportage wordt in de vergadering van 7-7-99 afgesproken deze ijklijnen te gebruiken tot 30-6-99. Eventuele correcties ten gevolge van ijkingen in juli worden nader bekeken en vastgesteld in de volgende vergadering.

Gemiddelde ijklijn NAP-17m: $Y = 2,248 X + 4,724$

Gemiddelde ijklijn NAP-11m: $Y = 2,331 X + 2,877$

Gemiddelde ijklijn NAP- 4m: $Y = 1,947 X + 2,030$

(X-as = MEX uitlezing)

(Y-as = zwevendstoffractie < 53µm).

Bijlage 1

Dep Var: DOW17 N: 7 Multiple R: 0.346 Squared multiple R: 0.120

Adjusted squared multiple R: 0.0 Standard error of estimate: 10.052

Effect	Coefficient	Std Error	Std Coef Tolerance	t	P(2 Tail)
CONSTANT	8.689	23.711	0.0	.	0.366 0.729
DOWM17	1.544	1.872	0.346	1.000	0.825 0.447

Analysis of Variance

Source	Sum-of-Squares	DF	Mean-Square	F-Ratio	P
Regression	68.785	1	68.785	0.681	0.447
Residual	505.215	5	101.043		

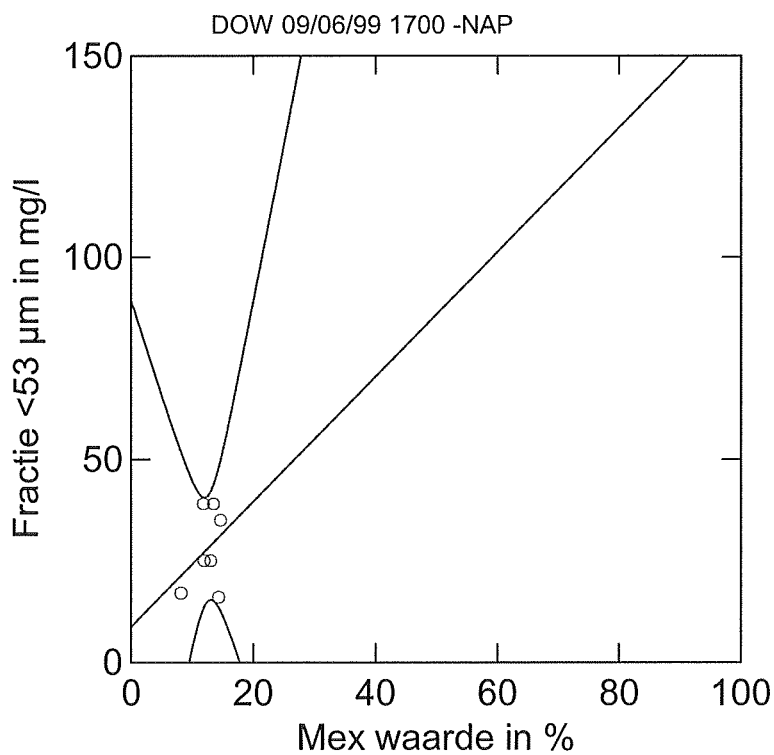
*** WARNING ***

Case 1 has large leverage (Leverage = 0.794)

Case 4 is an outlier (Studentized Residual = -2.403)

Durbin-Watson D Statistic 2.497

First Order Autocorrelation -0.271



Bijlage 2

Dep Var: DOW11 N: 7 Multiple R: 0.830 Squared multiple R: 0.689

Adjusted squared multiple R: 0.627 Standard error of estimate: 5.129

Effect	Coefficient	Std Error	Std Coef Tolerance	t	P(2 Tail)
CONSTANT	7.069	6.208	0.0	.	1.139 0.306
DOWM11	1.647	0.494	0.830	1.000	3.331 0.021

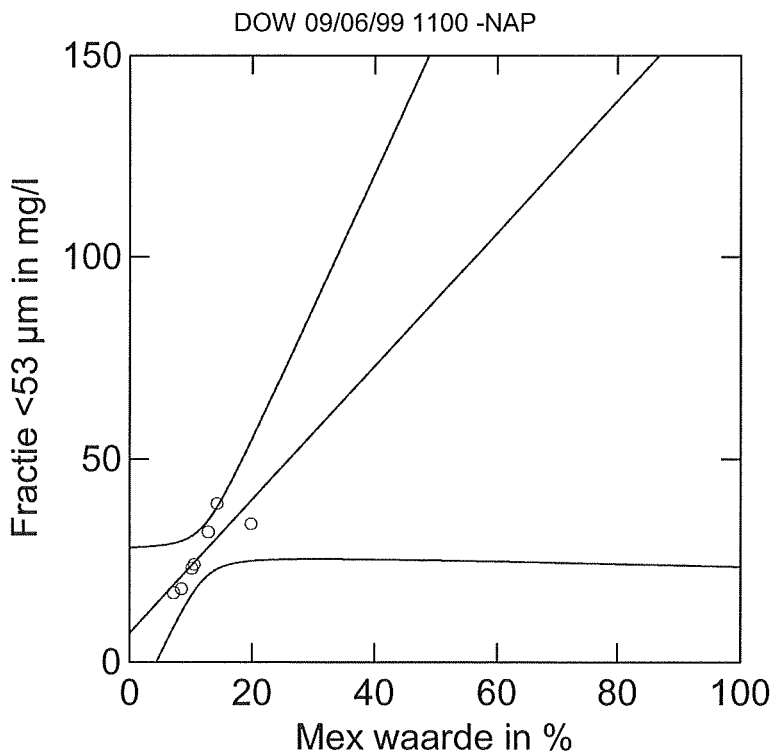
Analysis of Variance

Source	Sum-of-Squares	DF	Mean-Square	F-Ratio	P
Regression	291.884	1	291.884	11.095	0.021
Residual	131.544	5	26.309		

*** WARNING ***

Case 4 is an outlier (Studentized Residual = 2.812)
 Case 5 has large leverage (Leverage = 0.724)
 Case 5 is an outlier (Studentized Residual = -6.191)

Durbin-Watson D Statistic 1.958
 First Order Autocorrelation 0.005



Bijlage 3

Dep Var: DOW4 N: 7 Multiple R: 0.791 Squared multiple R: 0.625

Adjusted squared multiple R: 0.550 Standard error of estimate: 3.452

Effect	Coefficient	Std Error	Std Coef Tolerance	t	P(2 Tail)
CONSTANT	1.803	6.825	0.0	.	0.264 0.802
DOWM4	1.736	0.601	0.791	1.000	2.887 0.034

Analysis of Variance

Source	Sum-of-Squares	DF	Mean-Square	F-Ratio	P
Regression	99.289	1	99.289	8.334	0.034
Residual	59.568	5	11.914		

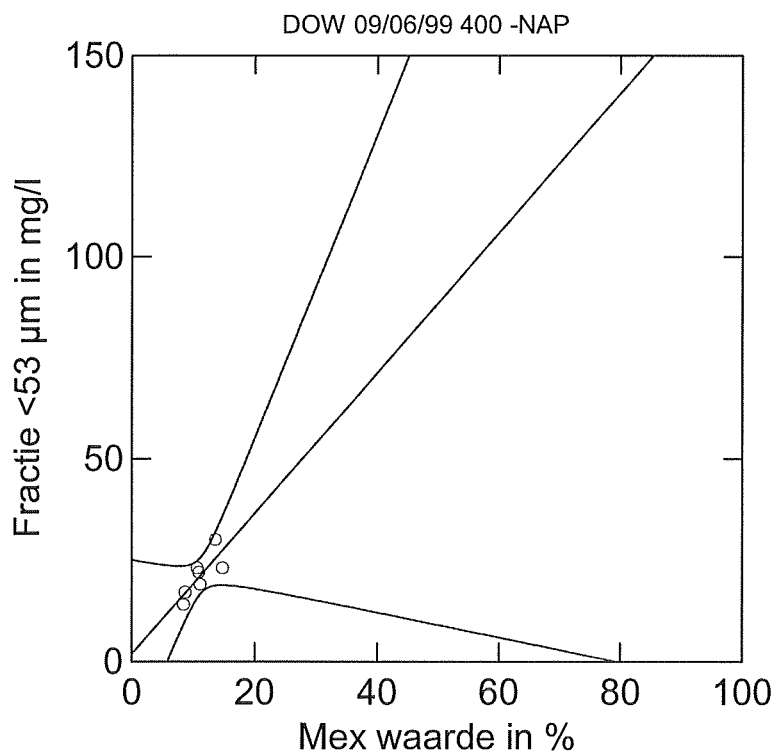
*** WARNING ***

Case 3 is an outlier (Studentized Residual = 2.116)

Case 4 is an outlier (Studentized Residual = -3.020)

Durbin-Watson D Statistic 2.303

First Order Autocorrelation -0.188



Bijlage 4

8 case(s) deleted due to missing data.

Dep Var: DOWZS17 N: 34 Multiple R: 0.927 Squared multiple R: 0.859

Adjusted squared multiple R: 0.855 Standard error of estimate: 9.555

Effect	Coefficient	Std Error	Std Coef Tolerance	t	P(2 Tail)
CONSTANT	4.724	3.747	0.0	.	1.261 0.216
DOWMEX17	2.248	0.161	0.927	1.000	13.977 0.000

Analysis of Variance

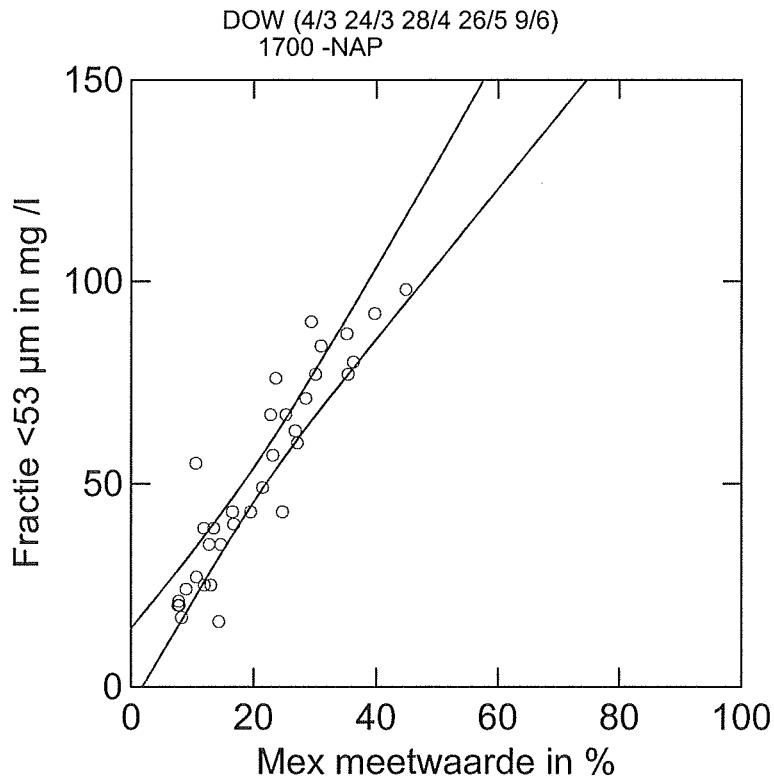
Source	Sum-of-Squares	DF	Mean-Square	F-Ratio	P
Regression	17835.292	1	17835.292	195.345	0.000
Residual	2921.649	32	91.302		

*** WARNING ***

Case 27 is an outlier (Studentized Residual = 3.285)

Durbin-Watson D Statistic 1.834

First Order Autocorrelation 0.075



Bijlage 5

1 case(s) deleted due to missing data.

Dep Var: DOWZS11 N: 41 Multiple R: 0.974 Squared multiple R: 0.949

Adjusted squared multiple R: 0.948 Standard error of estimate: 5.347

Effect	Coefficient	Std Error	Std Coef Tolerance	t	P(2 Tail)
CONSTANT	2.877	1.823	0.0	.	1.578 0.123
DOWMEX11	2.331	0.086	0.974	1.000	26.995 0.000

Analysis of Variance

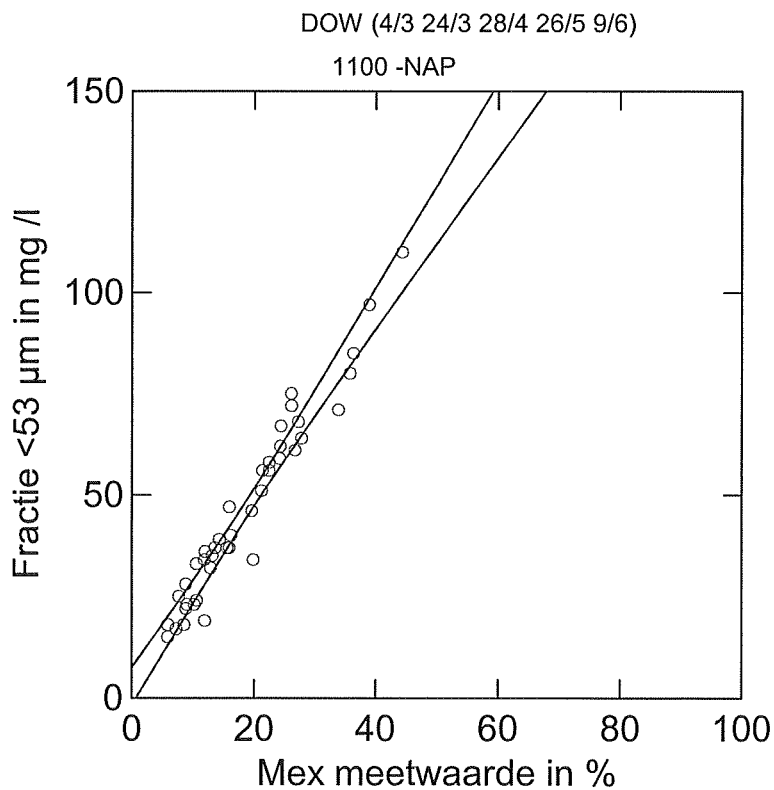
Source	Sum-of-Squares	DF	Mean-Square	F-Ratio	P
Regression	20838.548	1	20838.548	728.746	0.000
Residual	1115.208	39	28.595		

*** WARNING ***

Case 40 is an outlier (Studentized Residual = -3.179)

Durbin-Watson D Statistic 1.875

First Order Autocorrelation 0.049



Bijlage 6

42 cases have been saved into a SYSTAT file

Dep Var: DOWZS4 N: 42 Multiple R: 0.980 Squared multiple R: 0.959

Adjusted squared multiple R: 0.958 Standard error of estimate: 4.613

Effect	Coefficient	Std Error	Std Coef Tolerance	t	P(2 Tail)
CONSTANT	2.030	1.491	0.0	.	1.362 0.181
DOWMEX4	1.947	0.063	0.980	1.000	30.764 0.000

Analysis of Variance

Source	Sum-of-Squares	DF	Mean-Square	F-Ratio	P
Regression	20142.046	1	20142.046	946.427	0.000
Residual	851.288	40	21.282		

*** WARNING ***

Case 28 is an outlier (Studentized Residual = 3.911)

Durbin-Watson D Statistic 1.615

First Order Autocorrelation 0.182

