

KRUISVAARTEN 1977

(1 - 7)

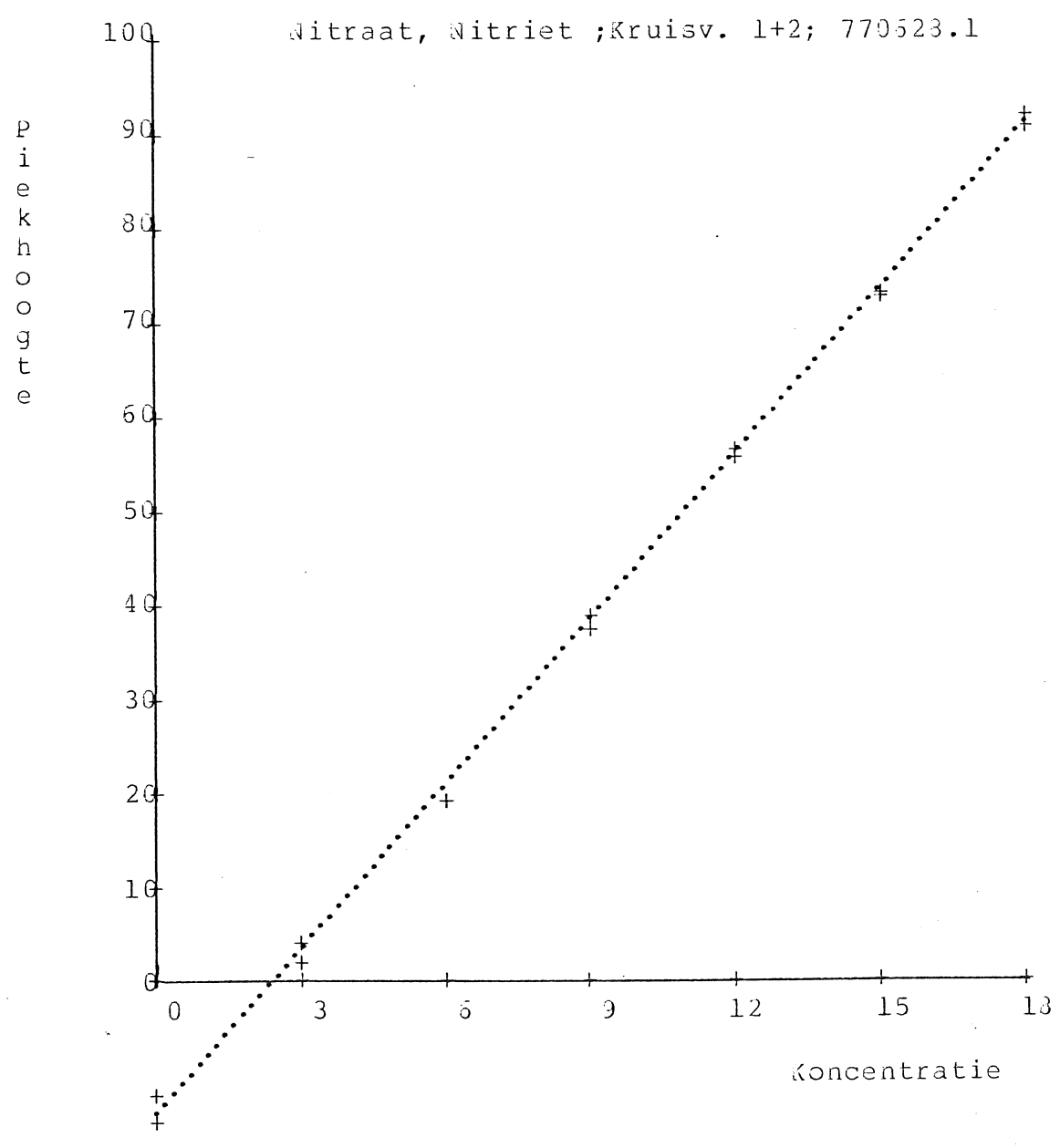
bepaling van: $\text{NO}_2^- + \text{NO}_3^-$
 NH_3
 PO_4^{3-}
Silicium

DAFUM : 01.07.77
 Analyse van : Nitraat, Nitriet
 Reeksnummer : 770628.1
 Concentratie in : Mikrogram N / liter
 Kolorimeter : Cenco, cel 3 cm, 1 V
 Golflengte, nm : 540.0
 Schema : NO3, NO2, sample 1.20 ml/min
 Recorder, mV : 100
 Waswater : SOW
 Sampletijd, sec : 45
 Wastijd, sec : 135

STANDAARDIJKKURVE :
 $Y = -14.3929 + 5.7975X$
 Corr.Coeff. = 0.999551

ANALYSERESULTATEN :

Monster Nr.	Identifikatie	Koncentratie
467	41.03.310377.1415	15.33
469	14.03.260477.1045	n.d.
470	24.03.260477.1200	n.d.
471	44.03.260477.1345	n.d.
472	34.03.260477.1500	5.15
474	25.03.230477.1150	244.3
433	44.03.230577.1330	n.d.
484	34.03.230577.1415	13.69
486	22.03.240577.1130	26.24
437	32.03.240577.1230	20.21
488	42.03.240577.1345	n.d.
495	41.03.260577.1345	1.23
496	31.03.260577.1445	7.14
0	Blanko	0.15
0	stand 3 ppb	3.00
0	stand 6 ppb	5.75
0	stand 9 ppb	8.99
0	stand 12 ppb	12.06
0	stand 15 ppb	14.94
0	stand 18 ppb	18.09



DATUM : 05.07.77

Analyse van : Nitraat, Nitriet

Reeksnummer : 770627.1

Koncentratie in : Mikrogram N / liter

Kolorimeter : Cenco, cel 3 cm, 1 v

Golflengte, nm : 540.0

Schema : NO3, NO2, sample 0.32 ml/min

Recorder, mV : 200

Waswater : SOW

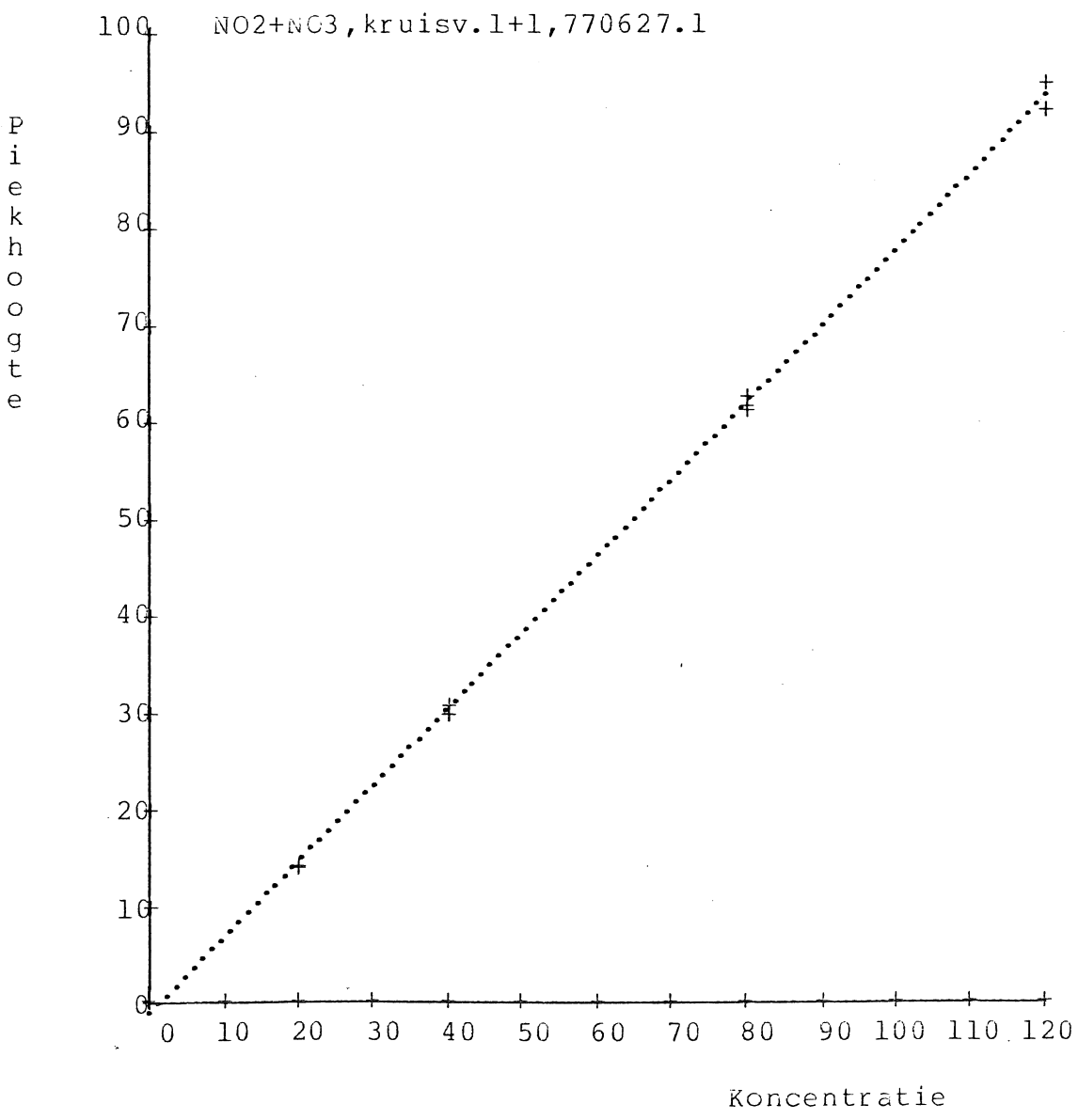
Sampletijd, sec : 45

Wastijd, sec : 135

STANDAARDIJKKURVE :
 $Y = -1.3853 + 0.7800X$
 Ccorr.Coeff. = 0.999558

ANALYSERESULTATEN :

Monster Nr.	Identifikatie	Koncentratie
482	24.03.230577.1205	40.2
491	45.03.250577.1400	33.0
494	21.03.260577.1230	33.8
0	stand. 20 ppb	19.6
0	stand. 40 ppb	40.0
0	stand. 80 ppb	80.5
0	stand.120 ppb	119.6



DATUM : 05.07.77

Analyse van : Nitraat, Nitriet

Reeksnummer : 770627.1

Koncentratie in : Mikrogram N / liter

Kolorimeter : Cenco, cel 3 cm, 1 V

Golflengte, nm : 540.0

Schema : NO₃, NO₂, sample 0.32 ml/min

Recorder, mV : 200

Waswater : SOW

Sampletijd, sec : 45

Wastijd, sec : 135

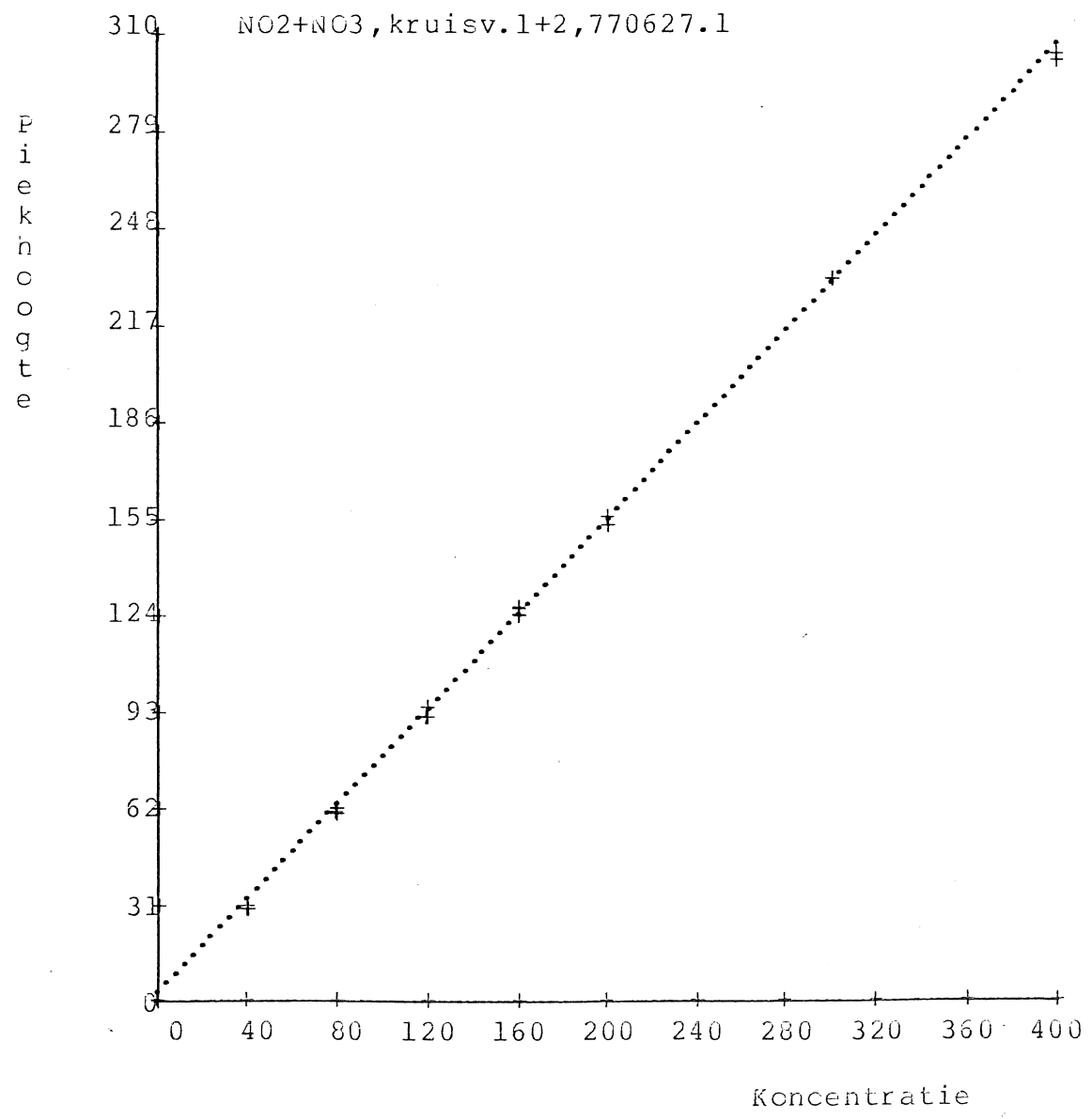
STANDAARDIJKKURVE :

$$Y = 1.7745 + 0.7515X$$

Corr.Coeff. = 0.999678

ANALYSERESULTATEN :

Monster Nr.	Identifikatie	Koncentratie
A	35.03.280477.1425	133.0
B	15.03.280477.1030	287.1
C	45.03.280477.1315	59.7
461	15.03.300377.1115	439.3
462	25.03.300377.1315	394.4
463	45.03.300377.1515	89.1
464	35.03.300377.1645	272.9
465	11.03.310377.1130	379.4
466	21.03.310377.1240	233.8
468	31.03.310377.1520	139.9
481	14.03.230577.1115	192.3
485	12.03.240577.1045	201.4
489	15.03.250577.1130	381.9
490	25.03.250577.1300	154.8
492	35.03.250577.1500	67.2
493	11.03.260577.1145	94.4
497	13.03.270577.1000	121.6
0	stand. 40 ppb	37.3
0	stand. 80 ppb	79.3
0	stand. 120 ppb	120.0
0	stand. 160 ppb	163.1
0	stand. 200 ppb	200.6
0	stand. 300 ppb	302.7
0	stand. 400 ppb	395.9



DATUM : 22.06.77

Analyse van : Ammonia

Reeksnummer : 770606.1

Koncentratie in : Mikrogram N / liter

Kolorimeter : Cenco, cel 3 cm, 1 V

Golflengte, nm : 625.0

Schema : NH3, sample 1.20 ml/min

Recorder, mV : 100

Waswater : SOW

Sampletijd, sec : 180

Wastijd, sec : 180

STANDAARDIJKKURVE :
 $Y = -0.6078 + 0.7100X$
 Corr.Coeff. = 0.999836

ANALYSERESULTATEN :

Monster Nr.	Identifikatie	Koncentratie
481	14.03.230577.1115	35
482	24.03.230577.1205	54
483	44.03.230577.1330	18
484	34.03.230577.1415	33
485	12.03.240577.1045	99
486	22.03.240577.1130	62
487	32.03.240577.1230	78
488	42.03.240577.1345	14
489	15.03.250577.1130	112
490	25.03.250577.1300	71
491	45.03.250577.1400	35
492	35.03.250577.1500	47
493	11.03.260577.1145	123
494	21.03.260577.1230	59
495	41.03.260577.1345	11
496	31.03.260577.1445	39
497	13.03.270577.1000	61
0	stand. 10 ppb	10
0	stand. 20 ppb	20
0	stand. 40 ppb	40
0	stand. 60 ppb	60
0	stand. 80 ppb	80
0	stand. 100 ppb	100

DATUM : 02.06.77

Analyse van : Ammonia

Reeksnummer : 770527.3

Koncentratie in : Mikrogram N / liter

Kolorimeter : Cenco, cel 3 cm, 1 V

Golflengte, nm : 625.0

Schema : NH₃, sample 1.20 ml/min

Recorder, mV : 100

Waswater : SOW

Sampletijd, sec : 180

Wastijd, sec : 180

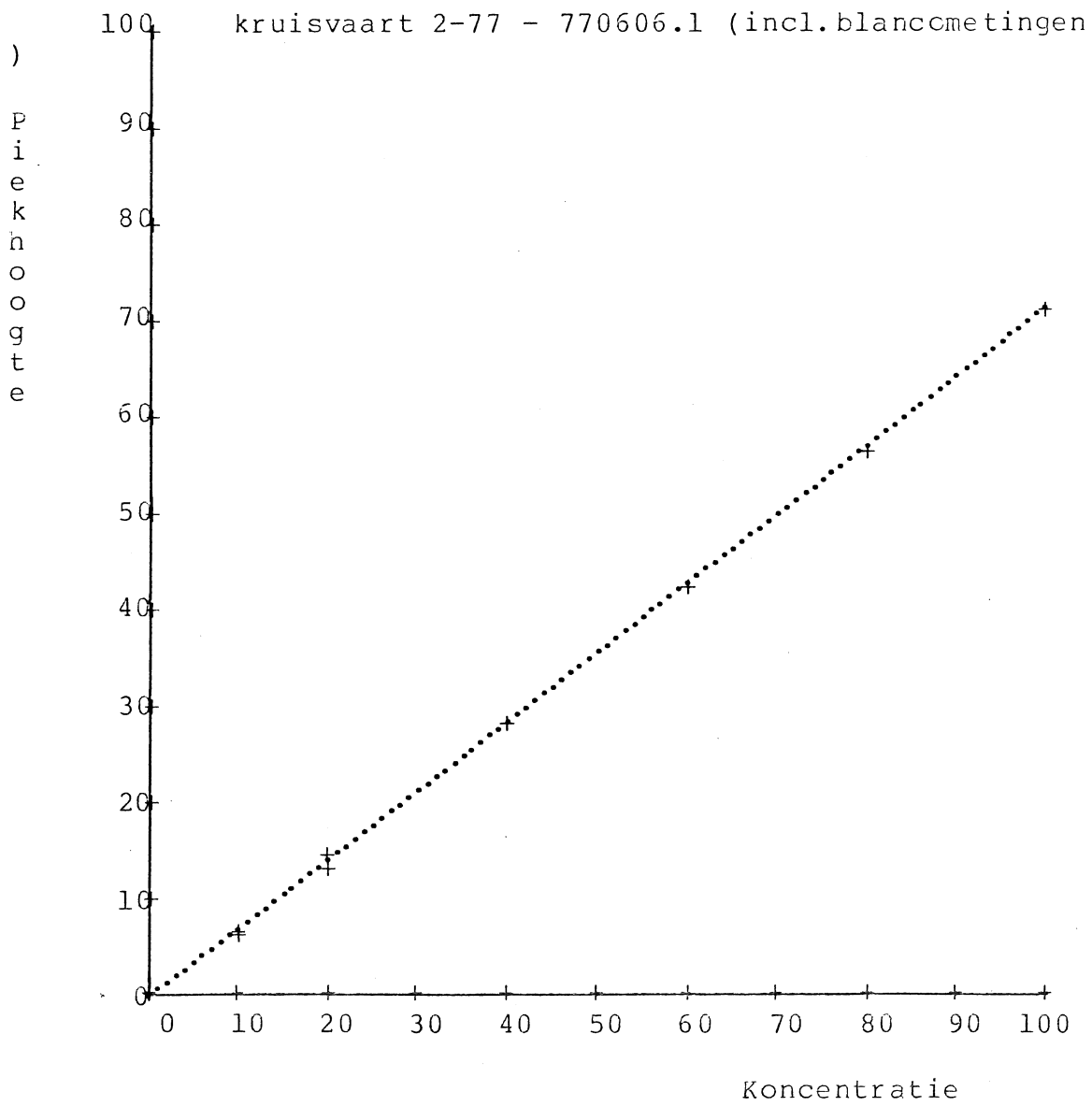
STANDAARDIJKKURVE :

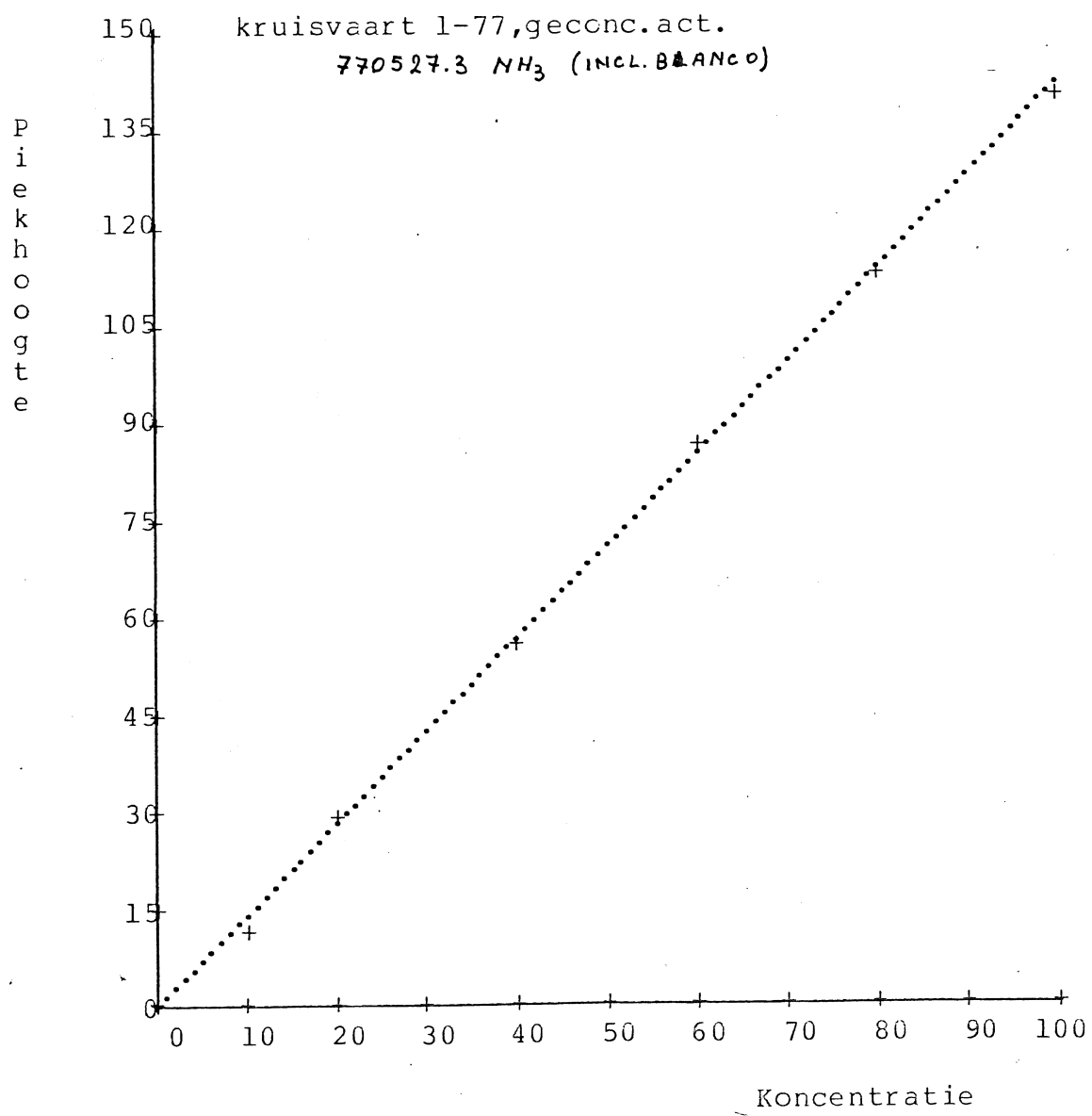
$$Y = -0.5630 + 1.4077X$$

$$\text{Corr. Coeff.} = 0.999504$$

ANALYSERESULTATEN :

Monster Nr.	Identifikatie	Koncentratie
A	35.03.280477.1425	6
B	15.03.280477.1030	m.d.
C	45.03.280477.1315	m.d.
467	41.03.310377.1415	4
465	11.03.310377.1130	16
471	44.03.260477.1345	3
463	45.03.300377.1515	4
466	21.03.310377.1240	5
469	14.03.260477.1045	m.d.
474	25.03.280477.1150	m.d.
470	24.03.260477.1200	m.d.
461	15.03.300377.1115	24
468	31.03.310377.1520	1
472	34.03.260477.1500	7
464	35.03.300377.1645	8
462	25.03.300377.1315	19



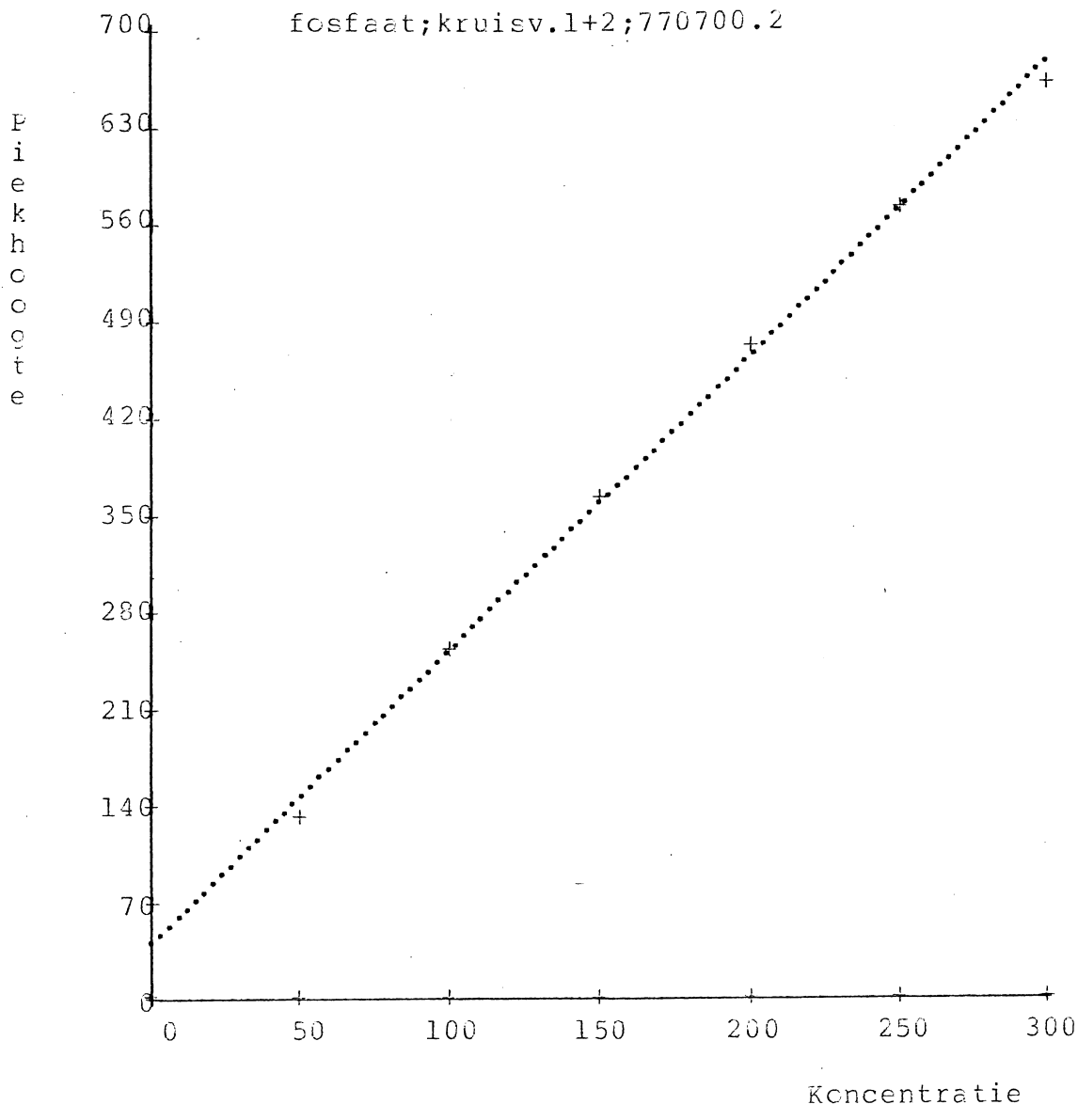


DATUM : 09.08.77
 Analyse van : Fosfaat
 Reeksnummer : 770700.2
 Concentratie in : Mikrogram P / liter
 Kolorimeter : Cenco, cel 3 cm, 1 V
 Golflengte, nm : 725.0
 Schema : PO₄, sample 1.20 ml/min
 Recorder, mV : 100
 Waswater : NaCl 34.5 %
 Sampletijd, sec : 48
 Wastijd, sec : 120

STANDAARDIJKKURVE :
 $Y = 37.6333 + 2.1011X$
 Corr.Coeff. = 0.998756

ANALYSERESULTATEN :

Monster Nr.	Identifikatie	Concentratie
861	15.03.300377.1115	174.8
862	25.03.300377.1315	151.8
865	11.03.310377.1130	159.4
866	21.03.310377.1240	120.1
867	41.03.310377.1415	128.4
868	31.03.310377.1520	120.1
869	14.03.260477.1100	362.4
870	24.03.260477.1215	291.4
871	44.03.260477.1345	183.2
872	34.03.260477.1500	186.7
873	15.03.280477.1030	143.9
874	25.03.280477.1150	172.5
876	35.03.280477.1425	265.3
879	45.03.300377.1515	198.6
880	35.03.300377.1645	364.0
881	14.03.230577.1115	128.4
0	stand. 50 ppb	44.4
0	stand. 100 ppb	101.5
0	stand. 150 ppb	153.4
0	stand. 200 ppb	204.6
0	stand. 250 ppb	252.2
0	stand. 300 ppb	293.8



LABOR : 09.08.77

Analyse van : Fosfaat

Reeknummer : 770700.1

Koncentratie in : Mikrogram P / liter

Kolorimeter : Cenco, cel 3 cm, 1 v

Cellengte, mm : 725.0

Schema : PC4, sample 1.20 ml/min

Recorder, mV : 100

Gaswater : NaCl 34.5 %

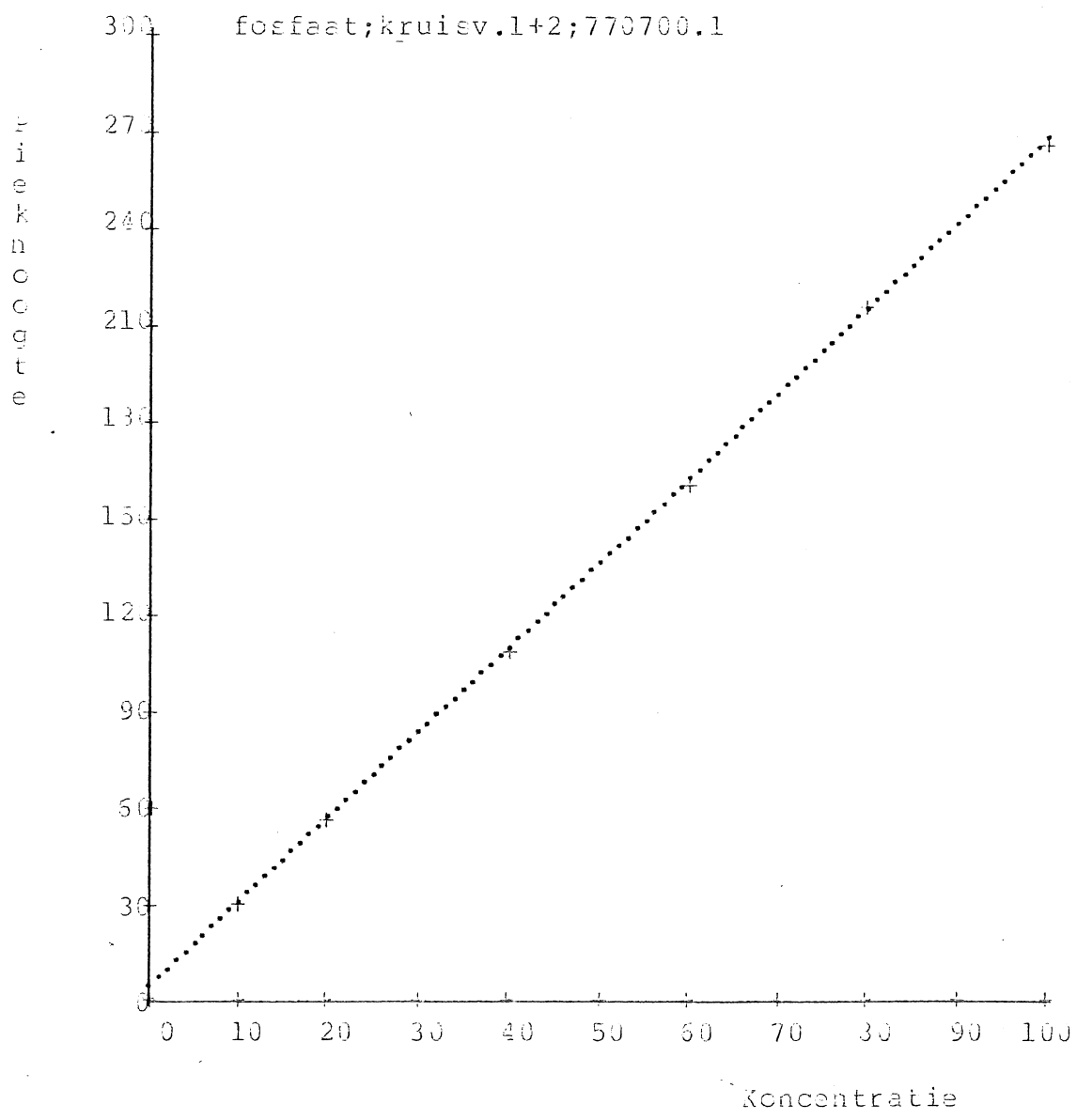
Sampletijd, sec : 48

Wastijd, sec : 120

STANDAARDIJKKURVE :
Y = 3.7203 + 2.5359X
Corr. Coeff. = 0.999949

ANALYSE-RESULTATEN :

monster nr.	Identifikatie	concentratie
375	45.03.230577.1315	35.6
382	24.03.230577.1205	50.0
383	14.03.230577.1330	34.3
384	34.03.230577.1415	30.6
385	12.03.240577.1045	51.1
386	22.03.240577.1130	50.4
387	32.03.240577.1230	53.6
388	13.03.270577.1000	32.5
390	15.03.250577.1130	75.9
391	25.03.250577.1300	66.5
392	45.03.250577.1400	42.3
393	35.03.250577.1500	45.9
394	11.03.260577.1145	75.7
395	21.03.260577.1230	55.3
396	41.03.260577.1345	32.7
397	31.03.260577.1445	31.3
898	42.03.240577.1345	66.6
0	stand. 10 ppb	10.0
0	stand. 20 ppb	20.1
0	stand. 40 ppb	40.0
0	stand. 60 ppb	59.6
0	stand. 80 ppb	80.7
0	stand. 100 ppb	99.7



DATUM : 01.07.77

Analyse van : Silicium

Reeksnummer : 770628.3

Koncentratie in : Milligram SiO2 / liter

Kolcrimeter : Cenco, cel 3 cm, 1 V

Golflengte, nm : 725.0

Schema : SiO2, sample 1.2 ml/min

Reccrder, mV : 500

Waswater : NaCl 34.5 %

Sampletijd, sec : 48

Wastijd, sec : 120

STANDAARDIJKKURVE :

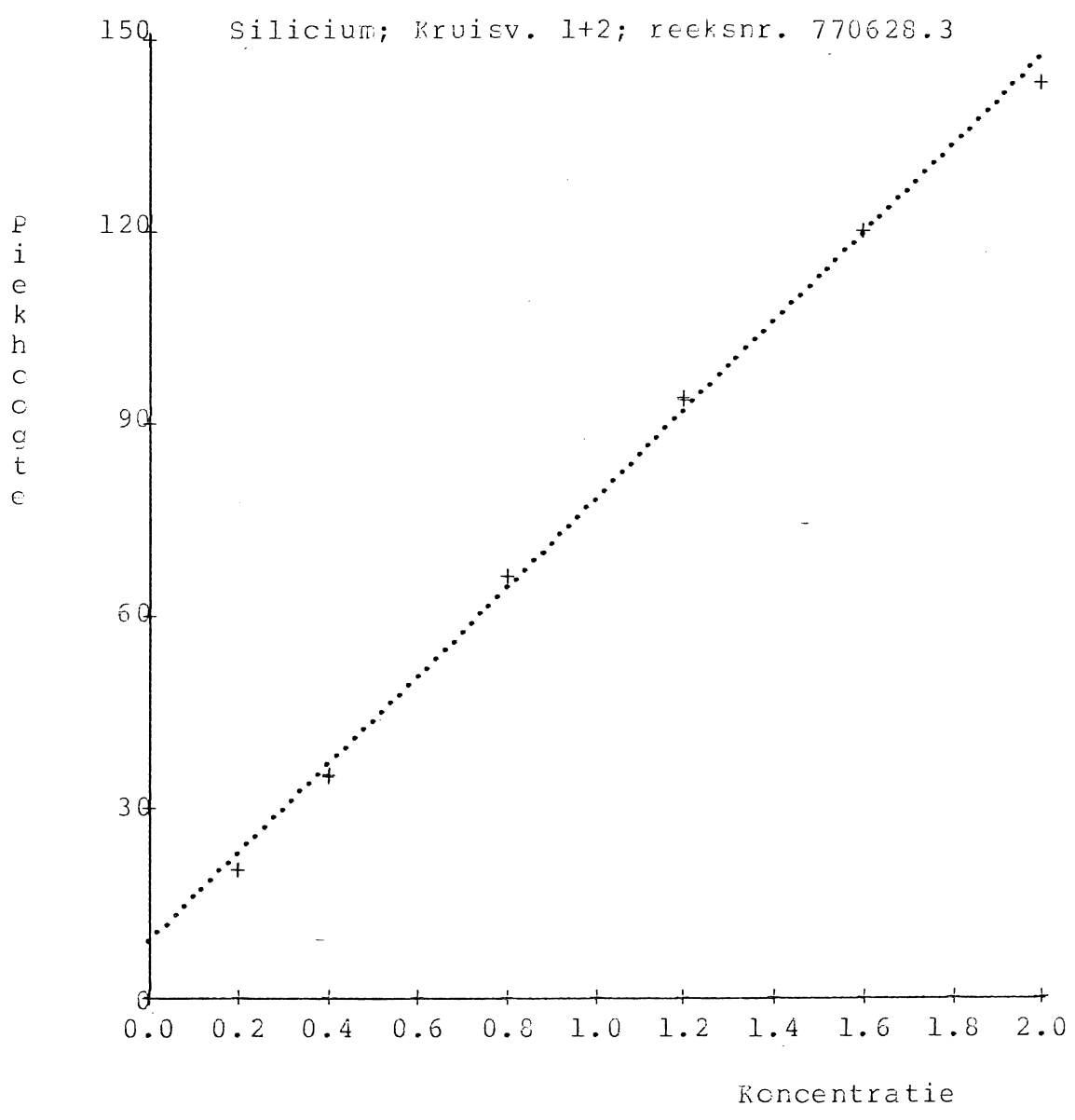
$Y = 8.4873 + 68.2623X$

Corr.Coeff. = 0.998791

ANALYSERESULTATEN :

Monster Nr.	Identifikatie	Koncentratie
861	15.03.300377.1115	0.80
862	25.03.300377.1315	0.60
865	11.03.310377.1130	1.02
866	21.03.310377.1240	0.39
867	41.03.310377.1415	0.11
868	31.03.310377.1520	0.17
869	14.03.260477.1100	1.54
870	24.03.260477.1215	1.04
871	44.03.260477.1345	0.09
872	34.03.260477.1500	0.66
873	15.03.280477.1030	0.72
874	25.03.280477.1150	0.47
875	45.03.280477.1315	0.33
876	35.03.280477.1425	0.54
879	45.03.300377.1515	0.42
880	35.03.300377.1645	0.85
881	14.03.230577.1115	1.55
882	24.03.230577.1205	1.68
883	44.03.230577.1330	1.24
884	34.03.230577.1415	1.31
885	12.03.240577.1045	2.22
886	22.03.240577.1130	0.20
887	32.03.240577.1230	1.66
890	15.03.250577.1130	0.26
891	25.03.250577.1300	1.45
892	45.03.250577.1400	1.09
893	35.03.250577.1500	1.00
894	11.03.260577.1145	0.24
895	21.03.260577.1230	1.33
896	41.03.260577.1345	1.22

898	42.03.240577.1345	0.37
897	31.03.260577.1445	0.20
888	13.03.270577.1000	0.88
0	stand 0.2 ppm	0.17
0	stand 0.4 ppm	0.39
0	stand 0.8 ppm	0.84
0	stand 1.2 ppm	1.23
0	stand 1.6 ppm	1.62
0	stand 2.0 ppm	1.96



771124.1

Nitraat + Nitriet
Kruisvaarten 3 - 4 - 5

Koncentratie : microgram N/l
Kolorim.Cenco; cel 3 cm; 1 V
Golflengte : 540 nm
Sampletube : 0.32 ml/min
Recorder 500 mV
Waswater : SOW
Standaardopl. : NaCl 34.5%
Sampletijd : 45/135

Regression Results

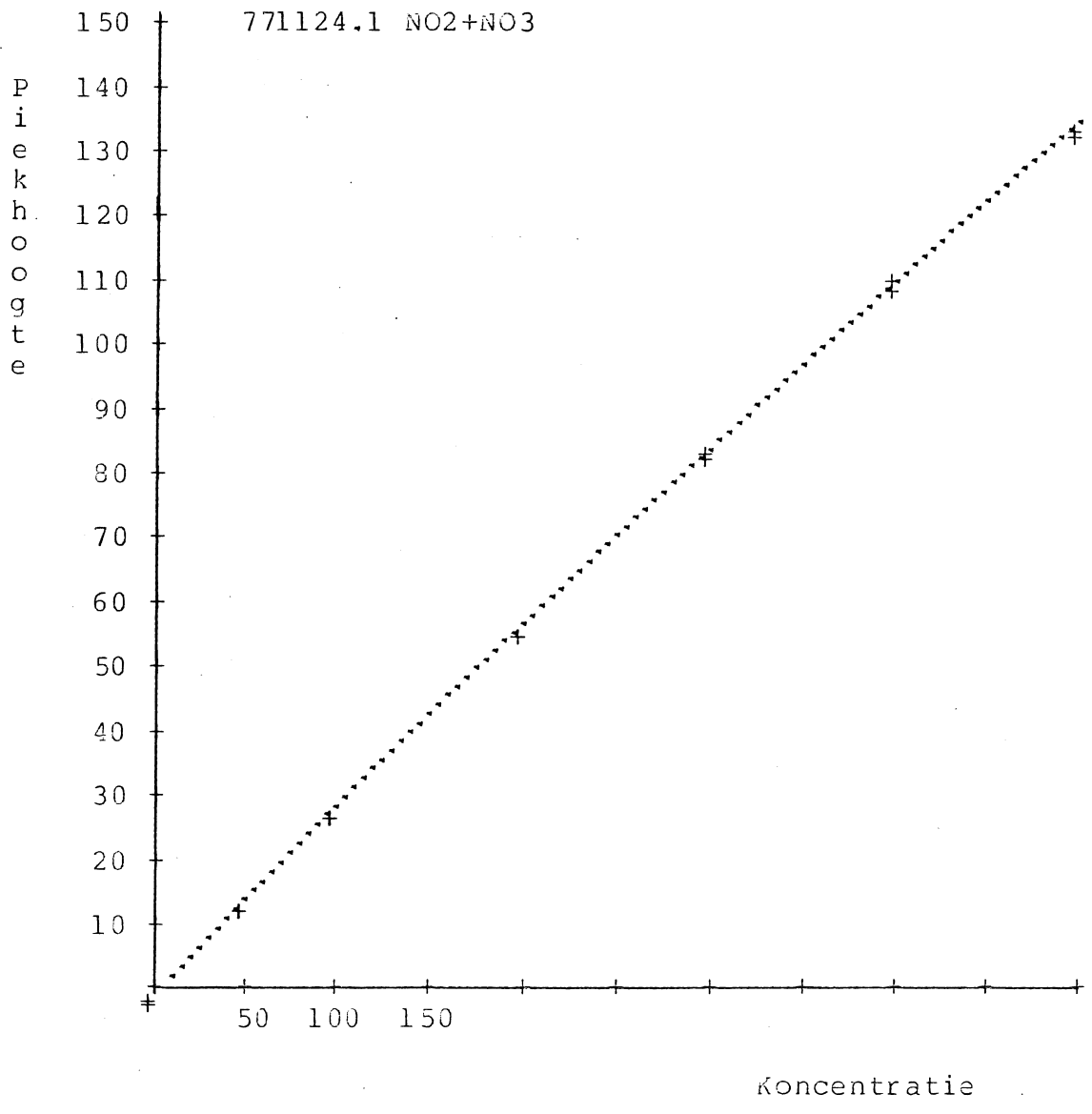
$$Y = -1.6731 + 0.3001 X - 0.0001 X^2$$

$$R = 0.999845$$

$$F = 35562$$

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
254	24.03.280777.1725	205.3	1	205.31
255	14.03.280777.1810	339.3	1	339.32
256	15.03.280777.1930	312.7	1	312.65
259	45.03.280777.2220	317.4	1	317.39
522	33.03.050977.1440	485.9	1	485.88
524	13.03.050977.1635	276.9	1	276.94
526	22.03.050977.1015	107.8	1	107.79
537	15.03.070977.1940	93.9	1	93.92
542	23.03.031077.1415	305.1	1	305.09
550	45.03.061077.1055	128.7	1	123.74
552	25.03.061077.1330	274.1	1	274.15
553	15.03.061077.1555	146.3	1	146.34
555	34.03.071077.1045	120.0	1	119.99
557	14.03.071077.1315	142.8	1	142.31
1	blanco	1.4	1	1.41
2	stand. 50 ppbb	49.4	1	49.37
3	stand. 100 ppb	99.1	1	99.12
4	stand. 200 ppb	198.1	1	198.09
5	stand. 300 ppb	301.3	1	301.31
6	stand. 400 ppb	402.5	1	402.49
7	stand. 500 ppb	498.2	1	498.22



Conc. Peakheight

Regression Results

0.00	-1.00	Y = 0.0469 + 0.2717 X R = 0.999024 F = 12286
0.00	-1.50	Y = 60.2143 + 0.0000 / X R = 0.000000 F = 0
50.00	13.00	1/Y = -0.0962 + 0.0000 / X R = 0.000000 F = -0
50.00	13.00	Y = -20.7371 + 6.2343 √ X R = 0.929082 F = 157
100.00	27.50	Y = 5.9102 e^(0.0075 X) R = 0.728817 F = 32
100.00	27.50	Y = 31.3449 X^ 0.0000 R = 0.000000 F = 0
200.00	55.50	Y = 60.2143 + 0.0000 ln X R = 0.000000 F = 0
200.00	55.50	Y = -1.6731 + 0.3001 X - 0.0001 X^2 R = 0.999345 F = 35562
300.00	83.00	
300.00	84.00	
400.00	109.00	
400.00	110.50	
500.00	133.00	
500.00	134.00	

771125.1

Nitraat + nitriet
Kruisvaarten 3 - 4 - 5

Koncentratie: microgram N/l
Kolorimeter Cenco; cel 3cm; lV
Golflengte: 540 nm
Sampletube: 0.32 ml/min
Recorder: 100 mV
Waswater: SOW
Standaardopl.: NaCl 34.5%
Sampletijd: 45/135

Regression Results

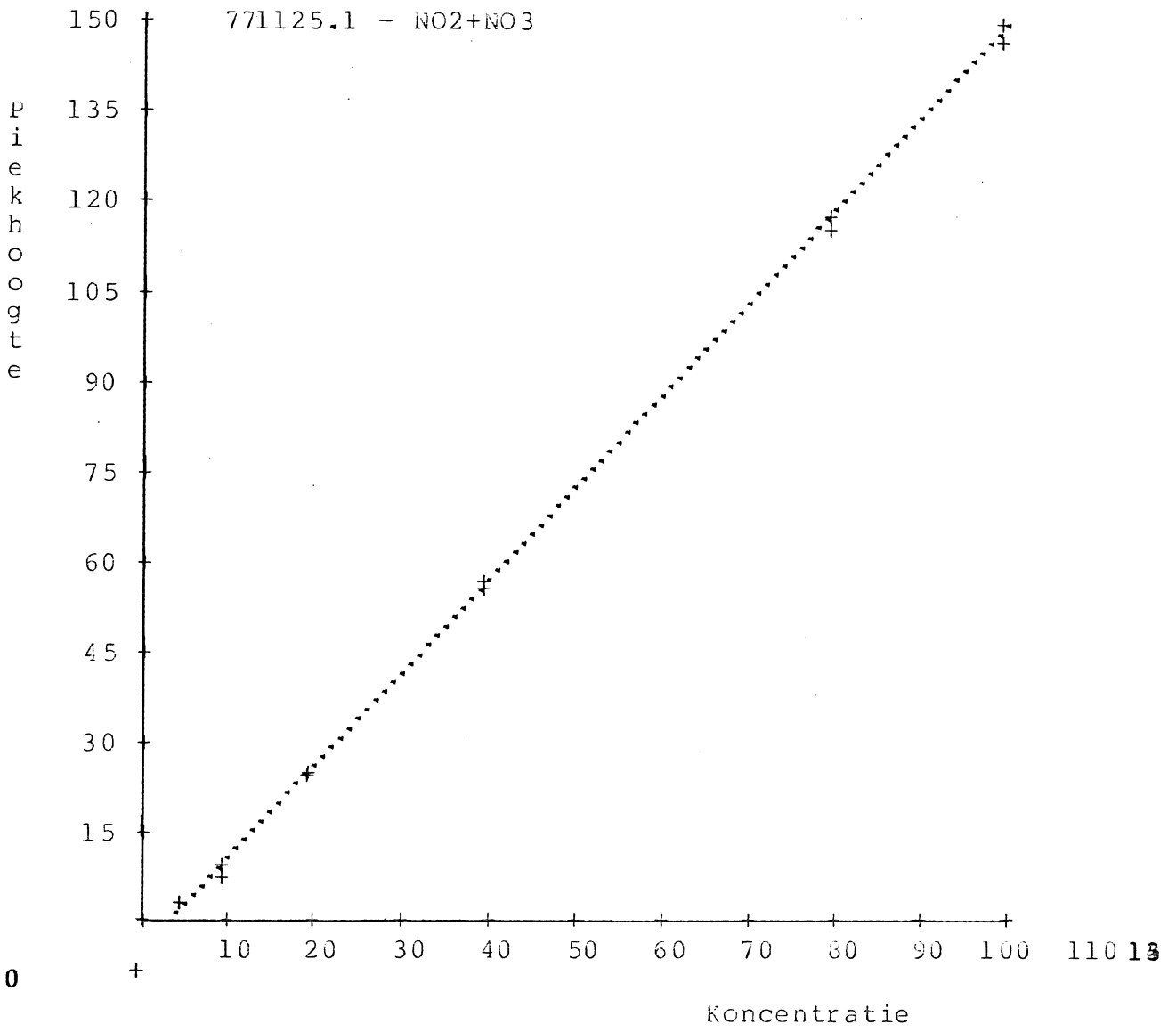
$$Y = -5.1853 + 1.5355 X$$

R = 0.999384
F = 19473

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
240	11.03.270777.1055	0	1	0
241	21.03.270777.1215	0	1	0
242	31.03.270777.1300	0	1	0
243	41.03.270777.1410	7.6	1	7.6
244	42.03.270777.1505	0	1	0
245	32.03.270777.1550	0	1	0
246	22.03.270777.1640	0	1	0
247	12.03.270777.1745	0	1	0
248	13.03.270777.1915	22.6	1	22.59
250	33.03.270777.2030	15.8	1	15.75
251	43.03.270777.2130	3.6	1	3.59
252	44.03.280777.1550	15.1	1	15.10
253	34.03.280777.1640	57.4	1	57.43
258	35.03.280777.2140	29.3	1	29.26
521	43.03.050977.1337	22.8	1	22.75
525	12.03.060977.0835	14.8	1	14.77
529	11.03.060977.1555	16.2	1	16.24
531	24.03.070977.1230	71.8	1	71.76
534	45.03.070977.1600	45.9	1	45.87
535	35.03.070977.1700	36.9	1	36.92
530	14.03.060977.1830	88.7	1	88.69
532	34.03.070977.1340	46.0	1	46.03
536	25.03.070977.1750	57.9	1	57.92
539	41.03.080977.0850	20.0	1	19.98
538	42.03.080977.0735	24.2	1	24.22

523	23.03.050977.1545	101.7	10	1017.18
533	44.03.070977.1430	87.4	50	4369.49
249	23.03.270777.1950	55.0	1	54.99
257	25.03.280777.2105	77.6	1	77.62
541	13.03.031077.1250	21.6	1	21.61
543	43.03.031077.1550	39.5	1	39.52
544	33.03.031077.1730	101.1	1	101.07
545	11.03.041077.1015	16.7	1	16.73
546	41.03.051077.1120	11.2	1	11.19
547	31.03.051077.1250	16.2	1	16.24
548		19.7	1	19.66
549		18.7	1	18.68
551	35.03.061077.1215	103.7	1	103.67
554	44.03.071077.0930	25.2	1	25.19
556	24.03.071077.1145	82.0	1	82.02
527	32.03.060977.1110	84.5	25	2111.48
528	21.03.060977.1410	71.1	25	1777.71
540	31.03.080977.1010	94.9	25	2371.98
1	blanco	-1.2	1	-1.18
2	stand. 5 ppb	6.3	1	6.31
3	stand.10 ppb	9.6	1	9.56
4	stand.20 ppb	20.1	1	20.15
5	stand.40 ppb	40.5	1	40.50
6	stand.80 ppb	79.6	1	79.57
7	stand.100 ppb	100.1	1	100.09



0

Conc. Peakheight

Regression Results

0.00	-7.00	Y = -5.1853 + 1.5355 x R = 0.999384 F = 19473
0.00	-7.00	Y = 50.7500 + 0.0000 / x R = 0.000000 F = 0
5.00	4.50	1/Y = 0.0368 + 0.0000 / x R = 0.000000 F = -0
5.00	4.50	Y = -29.9679 + 16.0796 √ x R = 0.932757 F = 166
10.00	8.50	Y = 7.6246 e^(0.0335 x) R = 0.879646 F = 88
10.00	10.50	Y = 25.7895 x^0.0000 R = -0.000000 F = 0
20.00	25.50	Y = 50.7500 + 0.0000 ln x R = 0.000000 F = 0
20.00	26.00	Y = -5.4728 + 1.5655 x - 0.0003 x^2 R = 0.999405 F = 9241
40.00	56.50	
40.00	57.50	
80.00	116.00	
80.00	118.00	
100.00	147.00	
100.00	150.00	

780117.1

Nitraat + Nitriet
Kruisvaarten 6 - 7

Koncentratie: microgram N/l
Kolorim.Cenco;cel 3 cm;lV
Golflengte: 540 nm
Sampletube: 0.32 ml/min
Recorder: 500 mV
Waswater: SOW
Sampletijd: 45/135

Regression Results

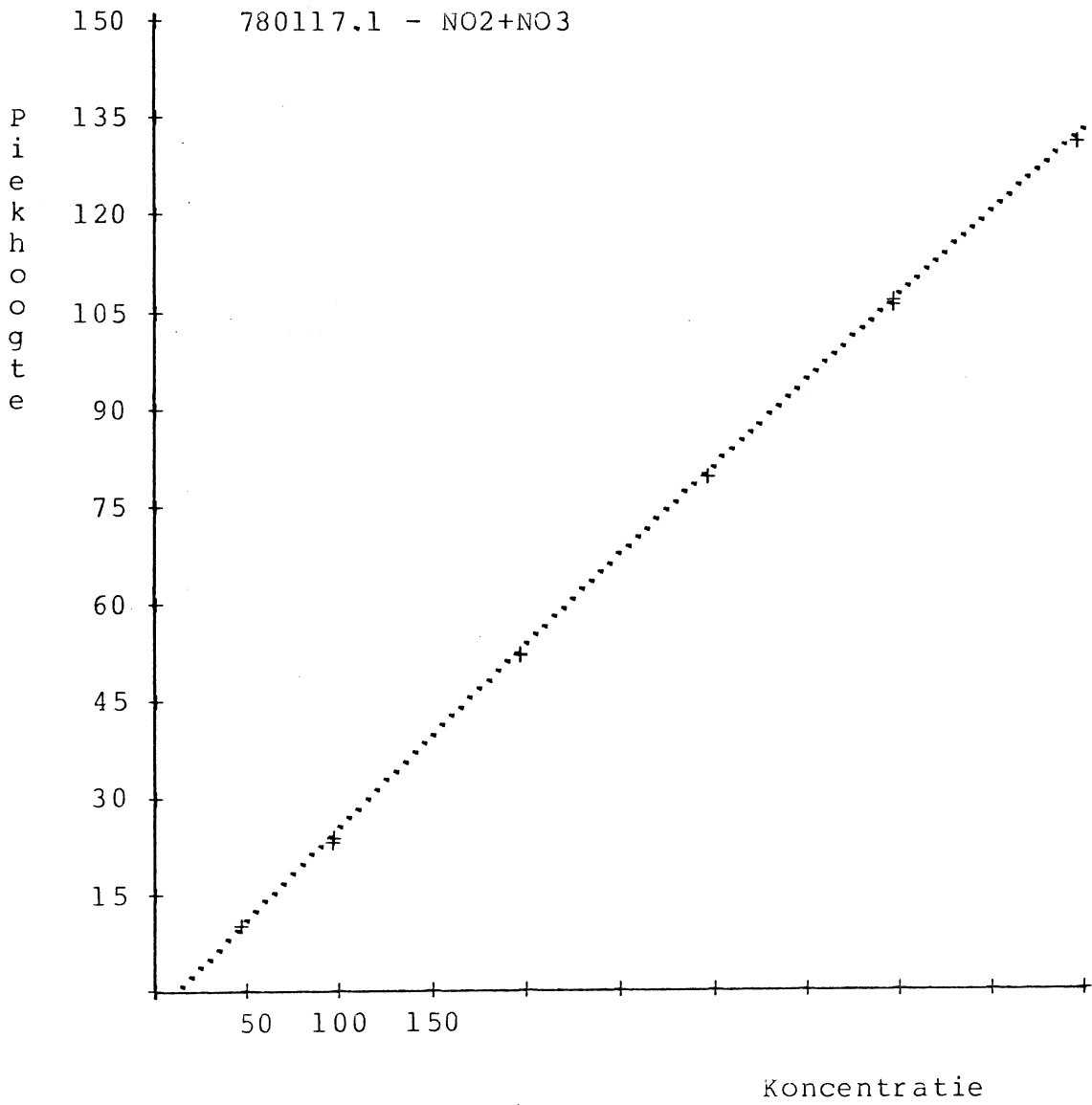
$$Y = -4.0252 + 0.2936 X - 0.0000 X^2$$

$$R = 0.999889$$

$$F = 36059$$

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
561	13.00.231177.0925	332.4	1	332.36
562	14.00.231177.1045	449.0	1	449.03
591	13.03.121277.1055	157.7	1	157.71
592	23.03.121277.1145	318.3	1	318.30
593	43.03.121277.1255	131.1	1	131.08
594	33.03.121277.1350	208.9	1	208.87
595	15.03.131277.1115	103.8	10	1037.83
596	25.03.131277.1225	310.8	1	310.83
597	45.03.131277.1345	231.6	1	231.56
598	35.03.131277.1445	227.0	1	227.01
599	11.03.141277.1045	189.0	1	189.03
600	21.03.141277.1215	171.1	1	171.10
601	41.03.141277.1340	99.4	1	99.40
602	31.03.141277.1445	107.3	1	107.29
603	12.03.151277.1200	282.0	1	282.04
604	22.03.151277.1250	152.4	1	152.36
605	42.03.151277.1400	134.6	1	134.62
606	32.03.151277.1450	144.4	1	144.37
607	14.03.161277.1040	585.5	1	585.49
608	24.03.161277.1130	461.7	1	461.72
609	44.03.161277.1240	175.6	1	175.57
1	stand. 50 ppb	52.4	1	52.42
2	stand. 100 ppb	98.5	1	98.52
3	stand. 200 ppb	199.8	1	199.84
4	stand. 300 ppb	299.7	1	299.65
5	stand. 400 ppb	401.7	1	401.65



Conc. Peakheight

Regression Results

50.00	11.25	Y	= -1.7314 + 0.2704 X R = 0.999521 F = 18783
100.00	24.25	Y	= 112.2556-6533.9346 / X R = 0.683241 F = 19
100.00	24.75	1/Y	= -0.0025 + 4.4865 / X R = 0.997814 F = 4108
200.00	52.75	Y	= -57.0426 + 8.2031 √ X R = 0.984403 F = 568
200.00	53.25	Y	= 15.4300 e^(0.0048 X) R = 0.896630 F = 78
300.00	80.25	Y	= 0.1787 X^ 1.0680 R = 0.999049 F = 9459
300.00	80.25	Y	= -224.9457 + 55.0928 ln X R = 0.922020 F = 106
400.00	107.75	Y	= -4.0252 + 0.2936 X-0.0000 X^2 R = 0.999889 F = 36059
400.00	106.75		
500.00	132.25		
500.00	132.25		

780123

Ammonia

Kruisvaarten 3-4-5-6-7

Koncentratie: microgram N/l

Kolorim.Cenco, cel 3 cm; 1V

Golflengte: 625 nm

Sampletube: 1.20 ml/min

Recorder: 100 mV

Waswater: oud zeewater

Sampletijd: 45/135

Regression Results

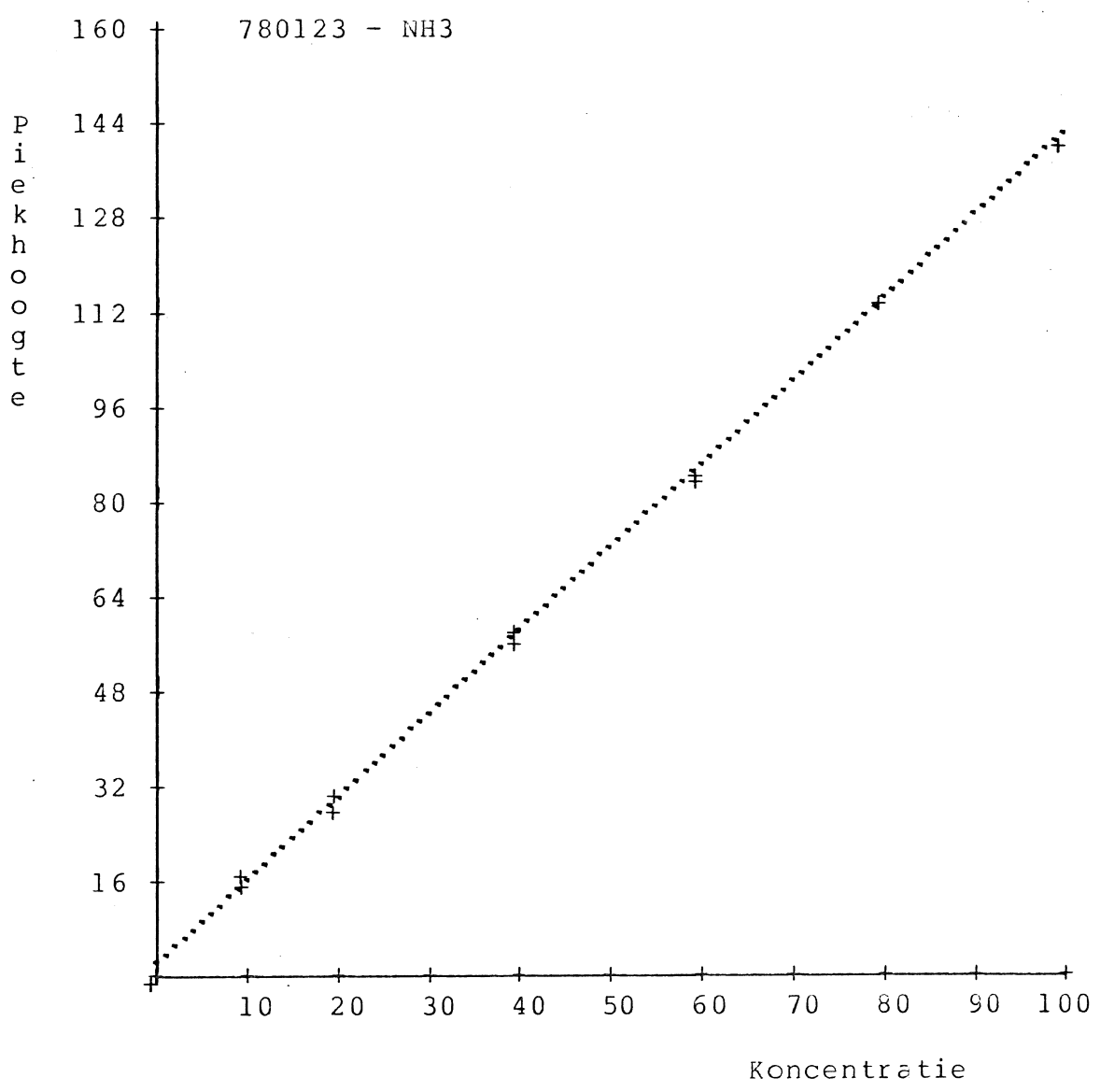
$$Y = 1.6391 + 1.4001 X$$

$$R = 0.999339$$

$$F = 18137$$

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
240	11.03.270777.1055	0	1	0.00
241	21.03.270777.1215	0	1	0.00
242	31.03.270777.1300	0	1	0.00
243	41.03.270777.1410	0	1	0.00
244	42.03.270777.1505	0	1	0.00
245	32.03.270777.1550	0	1	0.00
246	22.03.270777.1640	0	1	0.00
247	12.03.270777.1745	0	1	0.00
248	13.03.270777.1915	0	1	0.00
249	23.03.270777.1950	17	1	17.22
250	33.03.270777.2030	15	1	15.44
251	43.03.270777.2130	15	1	15.44
252	44.03.280777.1550	38	1	38.29
253	34.03.280777.1640	33	1	32.58
254	24.03.280777.1725	33	1	33.11
255	14.03.280777.1810	20	1	19.90
256	15.03.280777.1930	39	1	38.83
257	25.03.280777.2105	53	1	53.47
258	35.03.280777.2140	64	1	64.36
259	45.03.280777.2220	47	1	46.68
1	stand.10 ppb	11	1	10.97
2	stand.20 ppb	20	1	20.26
3	stand.40 ppb	40	1	40.26
4	stand.60 ppb	60	1	59.54
5	stand.80 ppb	81	1	80.61
6	stand.100 ppb	100	1	99.54



780124.1

Ammonia

Kruisvaarten 3-4-5-6-7

Koncentratie: microgram N/l

Kolorim.Cenco; cel 3 cm; 1V

Golflengte: 625 nm

Sampletube: 1.20 ml/min

Recorder: 100 mV

Waswater: oud zeewater

Sampletijd: 45/135

Regression Results

Y = 0.0000 + 1.4450 X

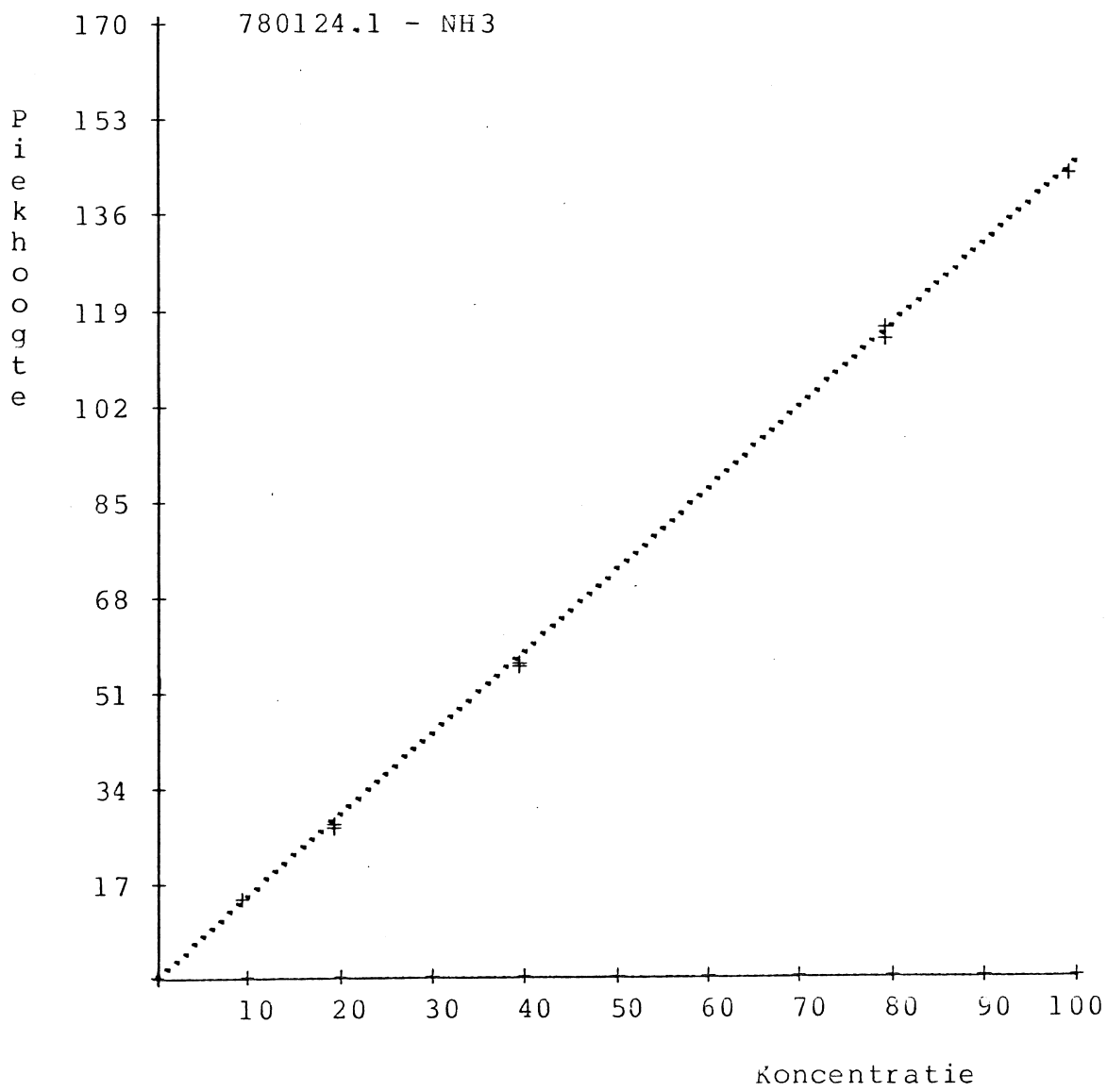
R = 0.999799

F = 34746

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
528	21.03.060977.1410	71	10	710.73
540	31.03.080977.1010	91	10	909.69
541	13.03.031077.1250	62	1	62.28
542	23.03.031077.1415	76	1	76.12
543	43.03.031077.1550	52	1	52.25
544	33.03.031077.1730	55	1	55.36
545	11.03.041077.1015	57	1	57.09
546	41.03.051077.1120	35	1	34.60
547	31.03.051077.1250	39	1	38.93
550	45.03.061077.1055	53	1	52.77
551	35.03.061077.1215	52	1	51.73
552	25.03.061077.1330	54	1	54.50
553	15.03.061077.1555	54	1	54.50
554	44.03.071077.0930	38	1	38.06
555	34.03.071077.1045	54	1	53.63
556	24.03.071077.1145	60	1	59.69
557	14.03.071077.1315	61	1	61.42
591	13.03.121277.1055	76	1	76.12
592	23.03.121277.1145	88	1	88.24
593	43.03.121277.1255	52	1	51.90
594	33.03.121277.1350	93	1	93.43
596	25.03.131277.1225	74	1	74.39
597	45.03.131277.1345	66	1	65.74
598	35.03.131277.1445	76	1	76.12
599	11.03.141277.1045	67	1	67.47

600	21.03.141277.1215	60	1	59.69
601	41.03.141277.1340	26	1	25.95
602	31.03.141277.1445	41	1	40.66
604	22.03.151277.1250	47	1	46.71
605	42.03.151277.1400	31	1	31.14
606	32.03.151277.1450	48	1	47.58
607	14.03.161277.1040	89	1	89.10
608	24.03.161277.1130	68	1	68.34
609	44.03.161277.1240	43	1	43.25
548		39	1	38.93
549		62	1	62.28
1	stand.10 ppb	11	1	10.69
2	stand.20 ppb	20	1	19.86
3	stand.40 ppb	40	1	39.58
4	stand.80 ppb	80	1	80.24
5	stand.100 ppb	100	1	99.97



Conc. Peakheight

Regression Results

10.00	15.45	Y = 0.0000 + 1.4450 X R = 0.999799 F = 34746
20.00	28.45	Y = 125.5559 - 1430.3505 / X R = 0.679751 F = 15
20.00	28.95	1/Y = 0.0010 + 0.6505 / X R = 0.997766 F = 3127
40.00	57.45	Y = -58.5462 + 19.7140 √ X R = 0.982445 F = 392
40.00	56.95	Y = 18.2824 e^(0.0221 X) R = 0.936391 F = 104
80.00	114.95	Y = 1.5336 X^0.9352 R = 0.999291 F = 9862
80.00	116.95	Y = -145.0252 + 59.8367 ln X R = 0.922534 F = 83
100.00	144.45	Y = 0.7013 + 1.4067 X + 0.0003 X^2 R = 0.999822 F = 16878
100.00	144.45	

780124.2

Ammonia

Kruisvaarten 3-4-5-6-7

Koncentratie: microgram N/l

Kolorim.Cenco; cel 3 cm; lV

Golflengte: 625 nm

Sampletube: 1.20 ml/min

Recorder: 500 mV

Waswater: oud zeewater

Sampletijd: 45/135

Regression Results

$$Y = 0.0000 + 0.2687 X - 0.0000 X^2$$

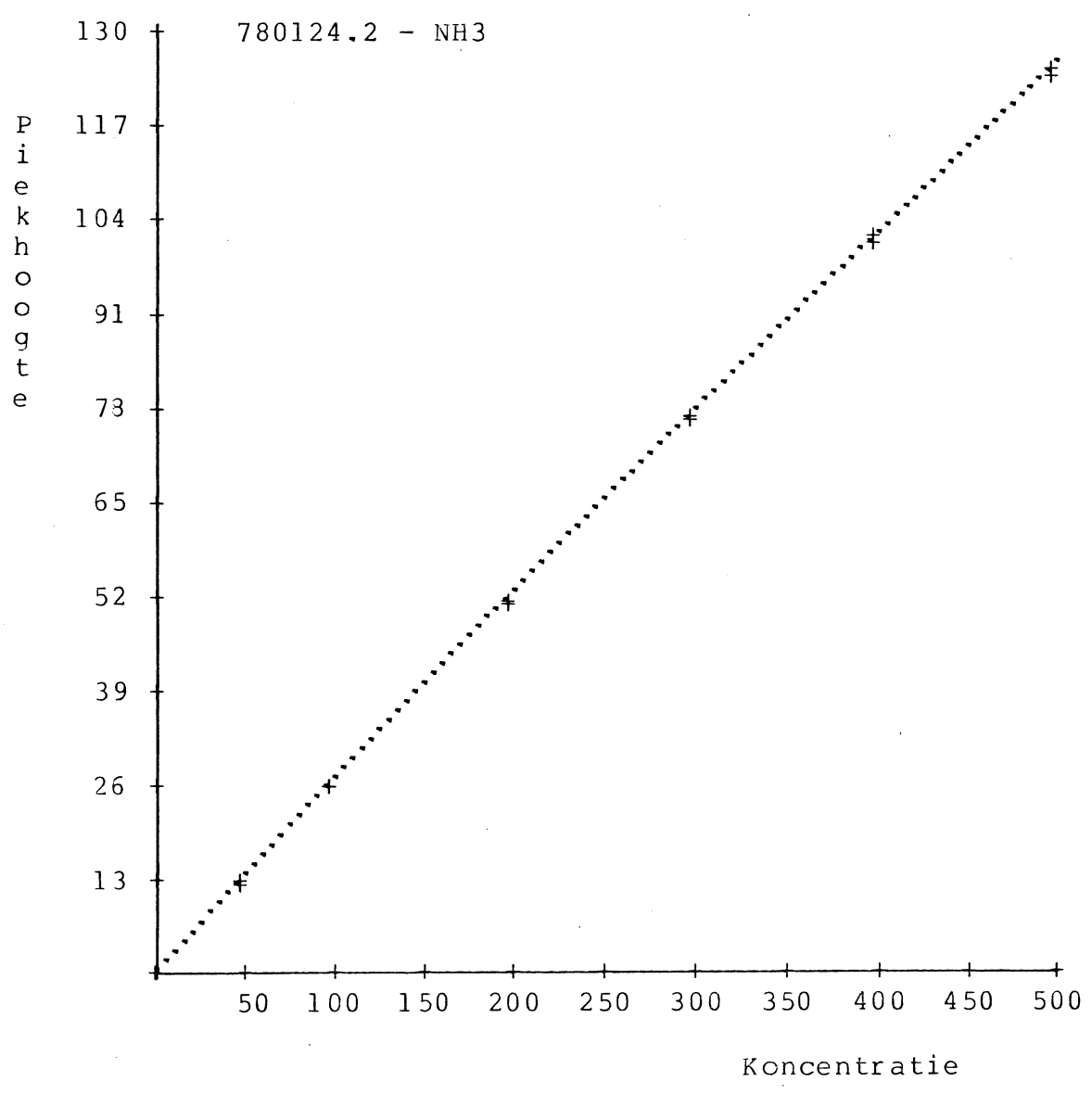
$$R = 0.999884$$

$$F = 38820$$

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
521	43.03.050977.1337	374	1	374.14
522	33.03.050977.1440	426	1	426.24
523	23.03.050977.1545	594	1	594.35
524	13.03.050977.1635	282	1	282.34
525	12.03.060977.0835	421	1	421.00
526	22.03.060977.1015	478	1	478.11
527	32.03.060977.1110	131	10	1312.55
529	11.03.060977.1555	370	1	370.01
530	14.03.060977.1830	571	1	571.20
531	24.03.070977.1230	298	1	298.48
532	34.03.070977.1340	501	1	500.60
533	44.03.070977.1430	166	10	1661.38
534	45.03.070977.1600	224	1	224.45
535	35.03.070977.1700	161	1	160.69
536	25.03.070977.1750	161	1	160.69
537	15.03.070977.1940	219	1	218.52
538	42.03.080977.0735	362	1	361.76
539	41.03.080977.0850	290	1	290.40
561	13.00.231177.0925	473	1	472.78
562	14.00.231177.1045	286	1	286.37
595	15.03.131277.1115	170	1	170.42
603	12.03.151277.1200	117	1	117.20
1	stand. 50 ppb	50	1	50.19
2	stand. 100 ppb	101	1	100.51
3	stand. 200 ppb	198	1	198.40

4	stand.300 ppb	300	1	300.08
5	stand.400 ppb	402	1	401.74
6	stand.500 ppb	499	1	499.07



Conc. Peakheight

Regression Results

50.00	13.15	Y = 1.7225 + 0.2492 X R = 0.999557 F = 22552
50.00	13.65	Y = 103.9075-5295.4200 / X R = 0.713873 F = 25
100.00	26.65	1/Y = 0.0006 + 3.7033 / X R = 0.999396 F = 16535
100.00	26.65	Y = -44.9431 + 7.3303 √ X R = 0.983877 F = 610
200.00	51.65	Y = 15.2929 e^(0.0047 X) R = 0.910462 F = 102
200.00	52.15	Y = 0.3010 X^ 0.9720 R = 0.999817 F = 54600
300.00	77.15	Y = -184.3664 + 47.3698 ln X R = 0.922720 F = 119
300.00	77.65	Y = 0.0000 + 0.2687 X-0.0000 X^2 R = 0.999884 F = 38820
400.00	101.65	
400.00	102.65	
500.00	124.65	
500.00	125.65	

771124.2

Fosfaat

Kruisvaarten 3 - 4 - 5

Koncentratie: microgram P/l

Kolorim.Cenco; cel 3cm; lV

Golflengte: 725 nm

Sampletube 1.20 ml/min

Recorder: 500 mV

Waswater: NaCl 34.5%

Sampletijd: 48/120

Regression Results

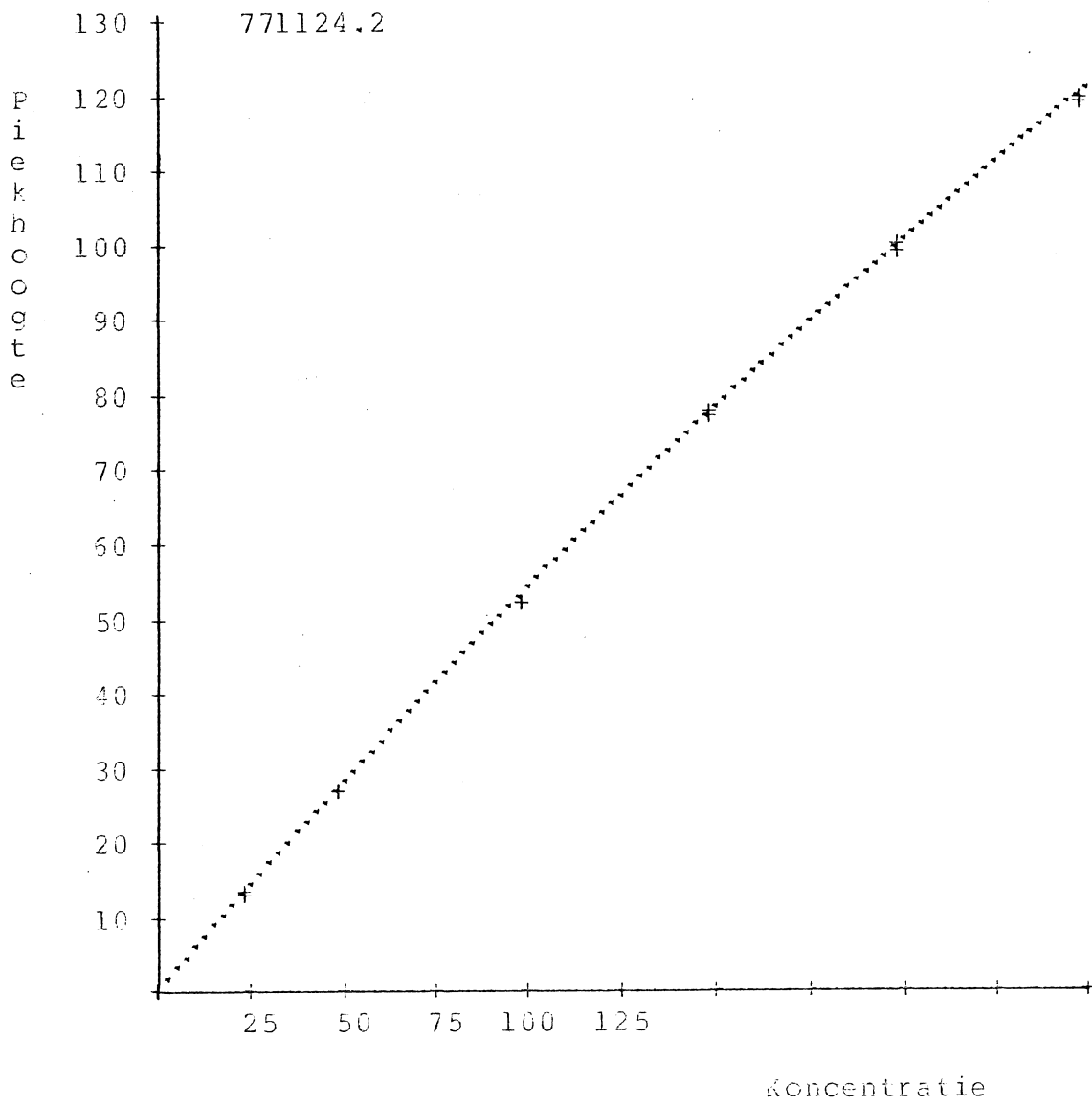
$$Y = -0.0063 + 0.5751 X - 0.0004 X^2$$

$$R = 0.999833$$

$$F = 26911$$

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
901	11.03.270777.1055	77.4	1	77.35
902	21.03.270777.1215	65.9	1	65.85
903	31.03.270777.1300	49.4	1	49.41
904	41.03.270777.1410	58.3	1	58.29
905	42.03.270777.1505	63.0	1	63.01
906	32.03.270777.1550	38.8	1	38.81
907	22.03.270777.1640	53.1	1	53.13
908	12.03.270777.1745	77.4	1	77.35
909	13.03.270777.1915	95.0	1	95.96
910	23.03.270777.1950	96.0	1	95.96
911	33.03.270777.2030	84.1	1	84.15
912	43.03.270777.2130	41.1	1	41.10
913	44.03.280777.1550	60.2	1	60.17
914	34.03.280777.1640	91.0	1	91.01
915	24.03.280777.1725	129.0	1	129.03
916	14.03.280777.1810	173.3	1	173.35
917	15.03.280777.1930	133.2	1	133.22
918	25.03.280777.2105	115.1	1	115.09
919	35.03.280777.2140	107.5	1	107.47
920	45.03.280777.2220	105.5	1	105.45
1	stand. 25 ppb	25.2	1	25.20
2	stand. 50 ppb	50.3	1	50.34
3	stand. 100 ppb	98.4	1	98.44
4	stand. 150 ppb	150.8	1	150.79
5	stand. 200 ppb	200.9	1	200.88
6	stand. 250 ppb	249.3	1	249.34



Conc. Peakheight

Regression Results

25.00	14.00	Y = 4.4479 + 0.4743 X R = 0.997420 F = 3867
25.00	14.50	Y = 102.2642-2560.3339 / X R = 0.735713 F = 23
50.00	28.00	1/Y = 0.0014 + 1.7190 / X R = 0.999434 F = 17667
50.00	28.00	Y = -40.3994 + 9.9055 √ X R = 0.990043 F = 994
100.00	53.00	Y = 16.4241 e^(0.0089 X) R = 0.902737 F = 93
100.00	53.00	Y = 0.7259 X^ 0.9301 R = 0.999424 F = 17340
150.00	78.00	Y = -143.1449 + 45.4581 ln X R = 0.936537 F = 148
150.00	78.50	Y = -0.0063 + 0.5751 X-0.0004 X^2 R = 0.999633 F = 26911
200.00	100.00	
200.00	101.00	
250.00	120.00	
250.00	120.50	

771125.2

Fosfaat

Kruisvaarten 3 - 4 - 5

Koncentratie: microgram P/l
 Kolorimeter Cenco; cel 3cm; 1V
 Golflengte: 725 nm
 Sampletube: 1.20 ml/min
 Recorder: 500 mV
 Waswater: NaCl 34.5%.
 Sampletijd: 48/120
 Sampletijd: 45/135

Regression Results

$$1/Y = 0.0012 + 1.7560 / X$$

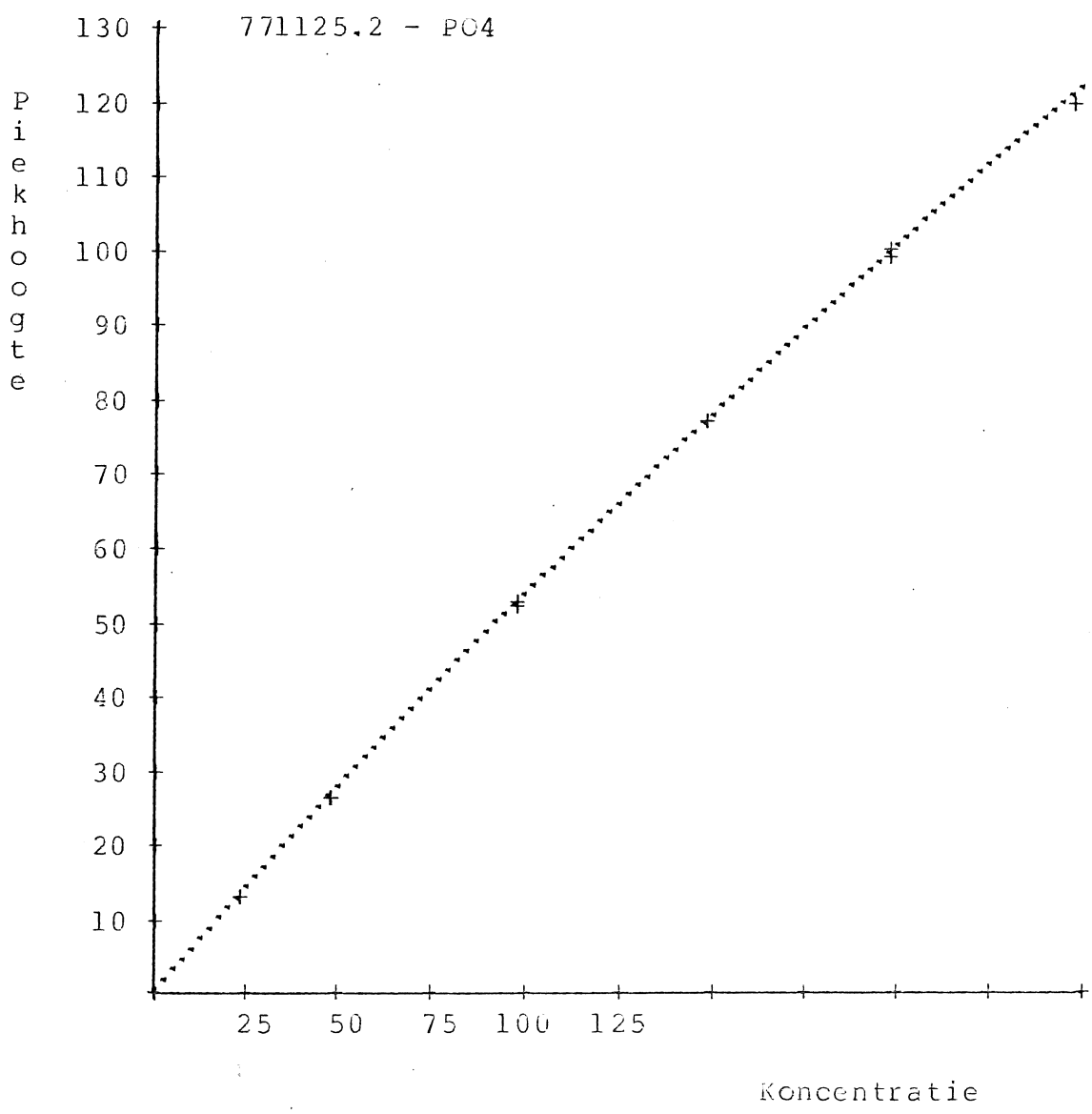
R = 0.999991

F = 1119399

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
921	43.03.050977.1337	107.5	1	107.45
922	33.03.050977.1440	94.9	1	94.90
923	23.03.050977.1545	142.6	1	142.63
924	13.03.050977.1635	164.1	1	164.06
925	12.03.060977.0835	34.1	1	34.14
926	22.03.060977.1015	49.5	1	49.47
927	32.03.060977.1110	50.9	1	50.88
928	21.03.060977.1410	47.1	1	47.13
929	11.03.060977.1555	53.7	1	53.71
930	14.03.060977.1830	180.5	1	180.52
931	24.03.070977.1230	115.6	1	115.59
932	34.03.070977.1340	117.6	1	117.64
933	44.03.070977.1430	52.8	1	52.76
934	45.03.070977.1600	91.4	1	91.43
935	35.03.070977.1700	65.6	1	65.60
936	25.03.070977.1750	131.1	1	131.07
937	15.03.070977.1940	154.3	1	154.35
938	42.03.080977.0735	39.7	1	39.68
939	41.03.080977.0850	41.5	1	41.54
940	31.03.080977.1010	20.9	1	20.93
941	13.03.031077.1250	119.7	1	119.69
942	23.03.031077.1415	109.5	1	109.48
943	43.03.031077.1550	111.0	1	111.00
944	33.03.031077.1730	127.4	1	127.43
945	11.03.041077.1015	70.9	1	70.89
946	41.03.051077.1120	86.5	1	86.49

947	31.03.051077.1250	62.2	1	62.25
950	45.03.061077.1055	106.4	1	106.44
951	35.03.061077.1215	97.9	1	97.90
952	25.03.061077.1330	122.8	1	122.78
953	15.03.061077.1555	141.6	1	141.57
954	44.03.071077.0930	43.4	1	43.40
955	34.03.071077.1045	95.4	1	95.40
956	24.03.071077.1145	94.9	1	94.90
957	14.03.071077.1315	105.4	1	105.43
948		49.0	1	49.00
949		78.6	1	78.65
1	stand. 25 ppb	25.0	1	25.01
2	stand. 50 ppb	49.9	1	49.94
3	stand.100 ppb	99.9	1	99.90
4	stand.150 ppb	151.1	1	151.13
5	stand.200 ppb	200.7	1	200.72
6	stand.250 ppb	246.8	1	246.82



Conc. Peakheight

Regression Results

25.00	14.00	Y	= 4.0815 + 0.4765 X R = 0.997538 F = 4051
25.00	14.00	Y	= 102.3445-2571.7935 / X R = 0.735586 F = 28
50.00	27.50	1/Y	= 0.0012 + 1.7560 / X R = 0.999991 F = 1119399
50.00	27.50	Y	= -40.9732 + 9.9513 √ X R = 0.990162 F = 1006
100.00	53.00	Y	= 16.1546 e^(0.0090 X) R = 0.901839 F = 92
100.00	53.50	Y	= 0.6911 X^ 0.9397 R = 0.999499 F = 19953
150.00	78.00	Y	= -144.1924 + 45.6679 ln X R = 0.936637 F = 148
150.00	78.00	Y	= -0.3703 + 0.5772 x-0.0004 x^2 R = 0.999926 F = 60437
200.00	100.00		
200.00	101.00		
250.00	120.50		
250.00	120.50		

780117.2

Fosfaat
Kruisvaarten 6 - 7

Koncentratie: microgram P/l
Kolorim.Cenco;cel 3 cm;lV
Golflengte: 725 nm
Sampletube: 1.20 ml/min
Recorder: 500 mV
Waswater: NaCl 34.5%
Sampletijd: 48/120

Regression Results

$$Y = -1.4697 + 0.5217 X - 0.0003 X^2$$

$$R = 0.999951$$

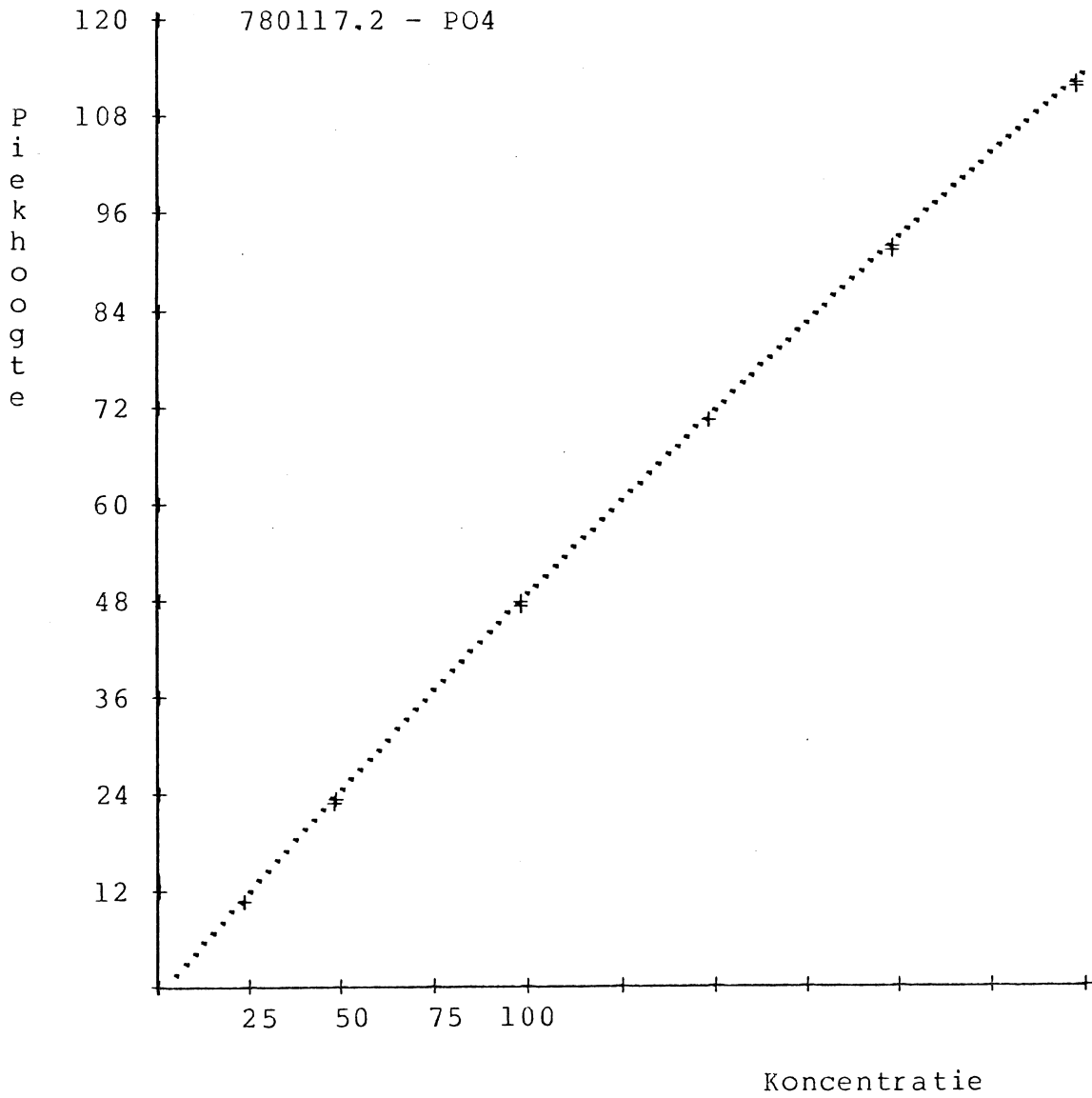
$$F = 91884$$

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
961	13.00.231177.0925	115.9	1	115.92
962	14.00.231177.1045	137.9	1	137.87
981	13.03.121277.1045	118.1	1	118.09
982	23.03.121277.1145	143.4	1	143.44
983	43.03.121277.1255	119.2	1	119.17
984	33.03.121277.1350	50.6	1	50.58
985	15.03.131277.1115	233.1	1	233.15
986	25.03.131277.1225	265.7	1	265.69
987	45.03.131277.1345	71.5	1	71.51
988	35.03.131277.1445	209.2	1	209.16
989	11.03.141277.1045	107.3	1	107.29
990	21.03.141277.1215	104.6	1	104.61
991	41.03.141277.1340	170.7	1	170.72
992	31.03.141277.1445	160.4	1	160.39
993	12.03.151277.1200	107.8	1	107.82
994	22.03.151277.1250	157.0	1	156.97
995	42.03.151277.1400	47.1	1	47.05
996	32.03.151277.1450	159.2	1	159.25
997	14.03.161277.1040	348.6	1	348.63
998	24.03.161277.1130	146.8	1	146.80
999	44.03.161277.1240	46.0	1	46.05
1	Stand. 25 ppb	25.2	1	25.18
2	Stand. 50 ppb	49.6	1	49.57
3	Stand.100 ppb	100.3	1	100.34
4	stand.150 ppb	150.2	1	150.18
5	stand.200 ppb	199.5	1	199.53

6

stand.250 ppb 250.2 1 250.20



Conc. Peakheight

Regression Results

25.00	11.50	Y	= 1.6466 + 0.4511 X R = 0.998644 F = 7366
25.00	11.50	Y	= 94.4834-2421.0141 / X R = 0.727965 F = 27
50.00	23.50	1/Y	= -0.0004 + 2.1719 / X R = 0.999530 F = 21257
50.00	24.00	Y	= -40.8532 + 9.4072 √ X R = 0.988149 F = 834
100.00	48.00	Y	= 13.5075 e^(0.0095 X) R = 0.898203 F = 88
100.00	48.50	Y	= 0.4816 X^ 0.9933 R = 0.999190 F = 12336
150.00	71.00	Y	= -138.1235 + 43.1046 ln X R = 0.931857 F = 137
150.00	71.00	Y	= -1.4697 + 0.5217 X-0.0003 X^2 R = 0.999951 F = 91884
200.00	92.00		
200.00	92.50		
250.00	112.50		
250.00	113.00		

730118.1

Silicium

Kruisvaarten 6 - 7 - 3 - 4 - 5

Koncentratie: milligram SiO2/l

Kolorim.Cenco; cel 3 cm; 1V

Sampletube: 0.23 ml/min

Recorder: 200 mV

Waswater: NaCl 34.5%

Sampletijd: 48/120

Sampletijd: 48/120

Regression Results

1/Y = -0.0012 + 0.0320 / X

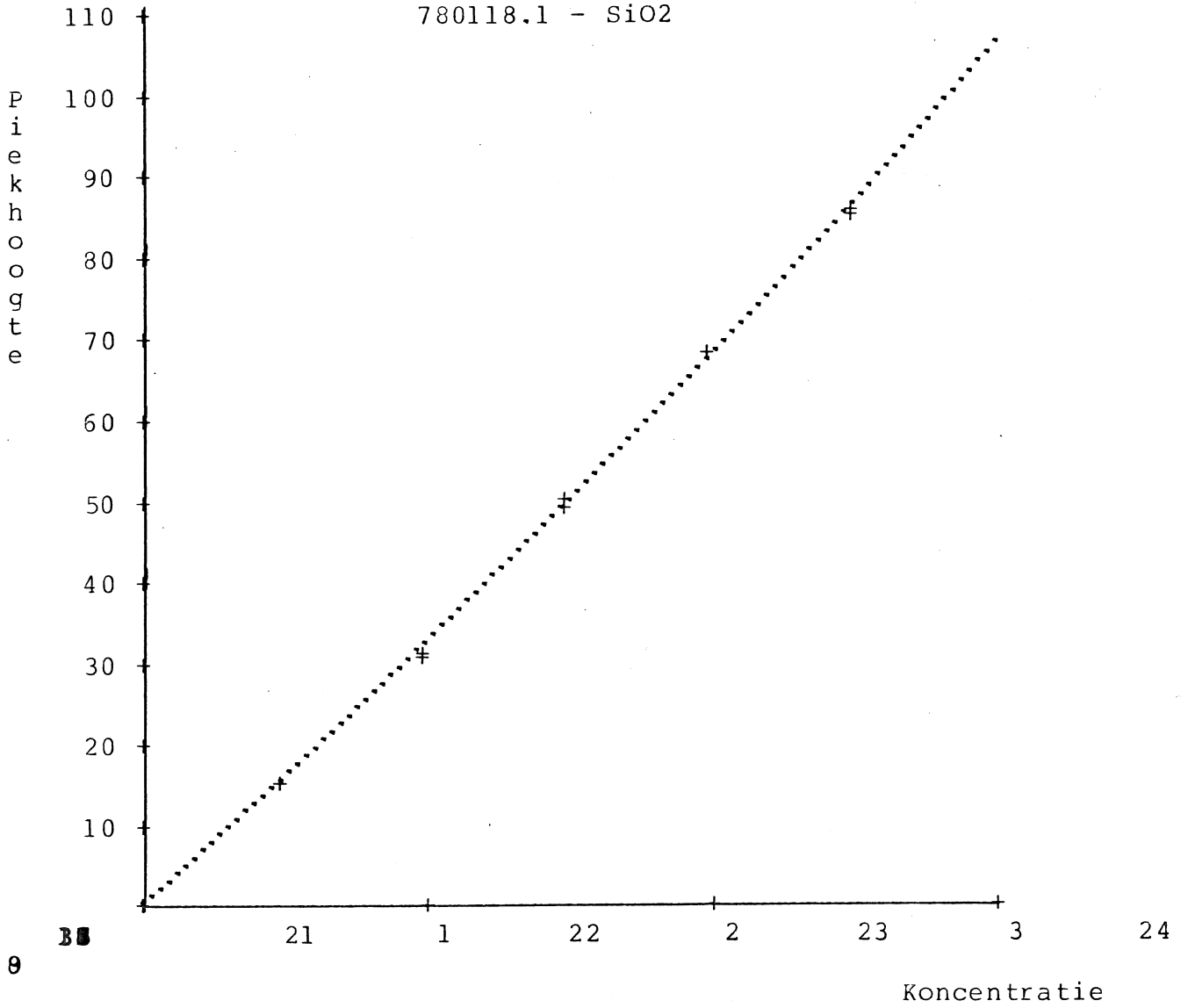
R = 0.999496

F = 15865

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
961	13.00.231177.0925	1.70	1	1.70
962	14.00.231177.1045	2.12	1	2.12
981	13.03.121277.1045	0.90	1	0.90
982	23.03.121277.1145	1.66	1	1.66
983	43.03.121277.1255	0.64	1	0.64
984	33.03.121277.1350	1.07	1	1.07
985	15.03.131277.1115	2.49	1	2.49
987	45.03.131277.1345	1.37	1	1.37
988	35.03.131277.1445	3.20	1	3.20
989	11.03.141277.1045	0.78	1	0.78
990	21.03.141277.1215	0.84	1	0.84
992	31.03.141277.1445	2.29	1	2.29
993	12.03.151277.1200	1.01	1	1.01
995	42.03.151277.1400	0.75	1	0.75
996	32.03.151277.1450	0.68	1	0.68
998	24.03.161277.1130	2.57	1	2.57
999	44.03.161277.1240	0.81	1	0.81
912	43.03.270777.2130	3.04	1	3.04
1	Stand.0.5 ppm	0.50	1	0.50
2	Stand.1.0 ppm	0.98	1	0.98
3	Stand.1.5 ppm	1.52	1	1.52
4	Stand.2 ppm	2.03	1	2.03
5	Stand.2.5 ppm	2.49	1	2.49
6	Stand.3 ppm	2.98	1	2.98

780118.1 - SiO2



Conc. Peakheight

Regression Results

0.50	16.00	Y	= -2.6250 + 35.5500 X R = 0.999117 F = 9047
0.50	16.00	Y	= 86.0242-38.6761 / X R = 0.796360 F = 31
1.00	31.50	1/Y	= -0.0012 + 0.0320 / X R = 0.999496 F = 15865
1.00	32.00	Y	= -45.3016 + 80.9839 √ X R = 0.982317 F = 444
1.50	50.00	Y	= 12.4919 e^(0.8291 X) R = 0.953063 F = 162
1.50	51.00	Y	= 32.7722 X^ 1.0560 R = 0.999127 F = 9158
2.00	69.00	Y	= 39.3715 + 42.8538 ln X R = 0.938166 F = 121
2.00	69.00	Y	= -1.2500 + 33.1929 X + 0.7857 X^2 R = 0.999287 F = 4908
2.50	86.00		
2.50	86.50		

780118.2

Silicium

Kruisvaarten 3-4-5-6-7

Koncentratie: milligram SiO2/l

Kolorim.Cenco;cel 3 cm;lV

Golflengte: 725 nm

Sampletube: 0.23 ml/min

Recorder: 500 mV

Waswater: NaCl 34.5%

Sampletijd: 48/120

Regression Results

Y = 12.8877 X^ 1.0793

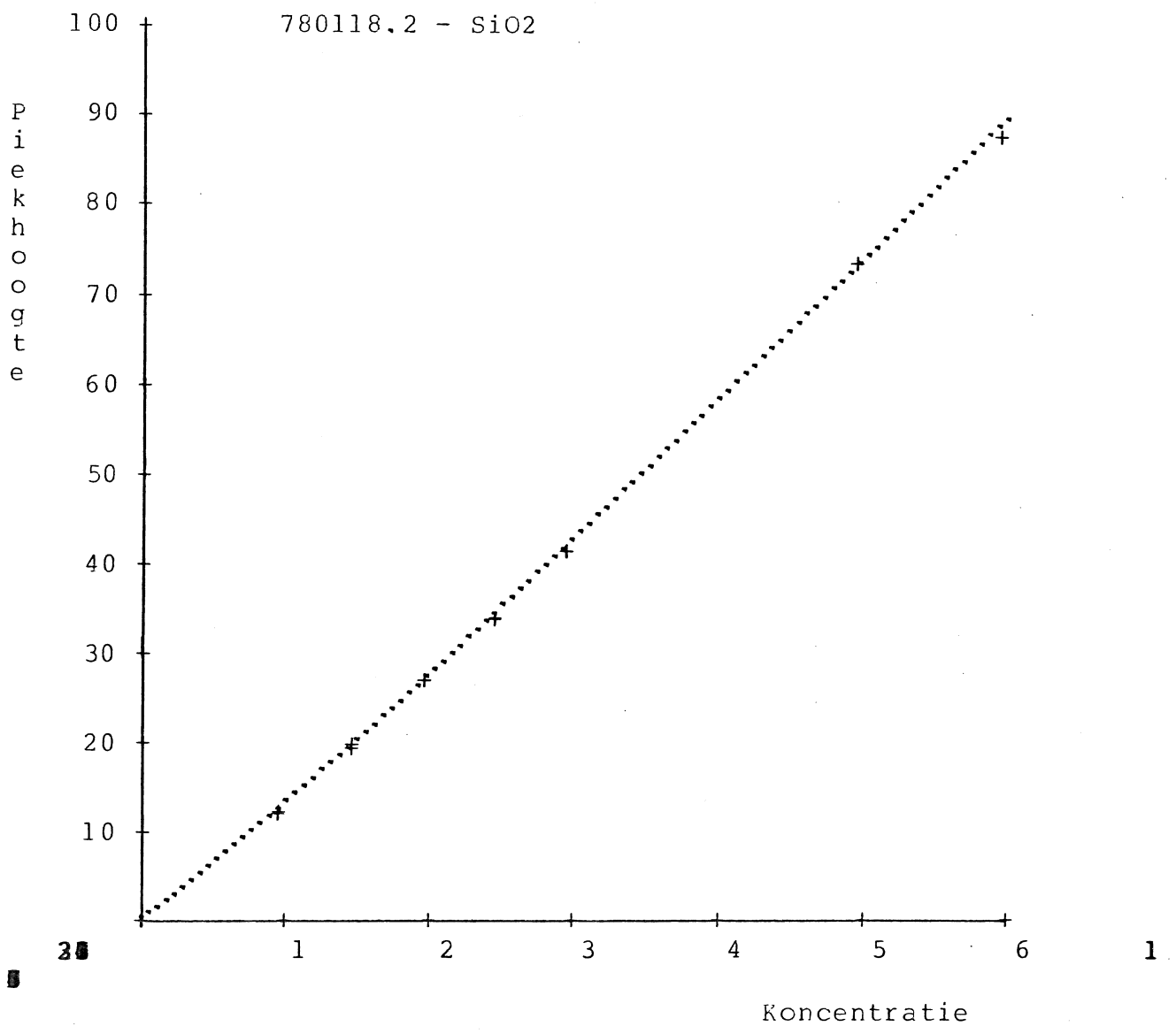
R = 0.999640

F = 33344

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
986	25.03.131277.1225	3.93	1	3.93
991	41.03.141277.1340	3.75	1	3.75
994	22.03.151277.1250	3.36	1	3.36
997	14.03.161277.1040	4.04	1	4.04
901	11.03.270777.1055	7.41	1	7.41
902	21.03.270777.1215	6.55	1	6.55
903	31.03.270777.1300	5.18	1	5.18
904	41.03.270777.1410	6.10	1	6.10
905	42.03.270777.1505	6.60	1	6.60
906	32.03.270777.1550	4.56	1	4.56
907	22.03.270777.1640	5.11	1	5.11
908	12.03.270777.1745	5.82	1	5.82
909	13.03.270777.1915	4.25	1	4.25
910	23.03.270777.1950	4.94	1	4.94
911	33.03.270777.2030	6.63	1	6.63
913	44.03.280777.1550	4.73	1	4.73
914	34.03.280777.1640	6.29	1	6.29
915	24.03.280777.1725	6.94	1	6.94
916	14.03.280777.1810	6.05	1	6.05
917	15.03.280777.1930	6.21	1	6.21
918	25.03.280777.2105	5.76	1	5.76
919	35.03.280777.2140	6.83	1	6.83
920	45.03.280777.2220	6.26	1	6.26
1	stand.1.0 ppm	0.99	1	0.99

2	stand.1.5 ppm	1.52	1	1.52
3	stand. 2.0 ppm	2.03	1	2.03
4	stand.2.5 ppm	2.49	1	2.49
5	Stand.3 ppm	2.99	1	2.99
6	stand.5 ppm	5.05	1	5.05
7	stand.6 ppm	5.93	1	5.93



Conc.	Peakheight	Regression Results
*****		*****
1.00	12.60	Y = -2.8638 + 15.1927 X R = 0.999563 F = 27464
1.00	12.80	Y = 81.5047-83.1223 / X R = 0.742754 F = 35
1.50	20.00	1/Y = -0.0030 + 0.0805 / X R = 0.998287 F = 6993
1.50	20.40	Y = -45.5416 + 53.0853 √ X R = 0.983419 F = 712
2.00	27.60	Y = 11.9845 e^(0.3590 X) R = 0.933648 F = 169
2.00	27.60	Y = 12.8877 X^1.0793 R = 0.999640 F = 33344
2.50	34.40	Y = 3.0290 + 42.6415 ln X R = 0.933003 F = 167
2.50	34.60	Y = -2.0479 + 14.5743 X + 0.0871 X^2 R = 0.999618 F = 14408
3.00	42.00	
3.00	42.00	
5.00	74.00	
5.00	74.00	
6.00	88.00	
6.00	88.00	

780119

Silicium

Kruisvaarten 3-4-5-6-7

Koncentratie: milligram SiO₂/l

Kolorim.Cenco; cel 3 cm; 1V

Golflengte: 725 nm

Sampletube: 0.23 ml/min

Recorder: 500 mV

Waswater: NaCl 34.5%

Sampletijd: 48/120

Regression Results

$$Y = -2.6271 + 18.0080 X - 0.2672 X^2$$

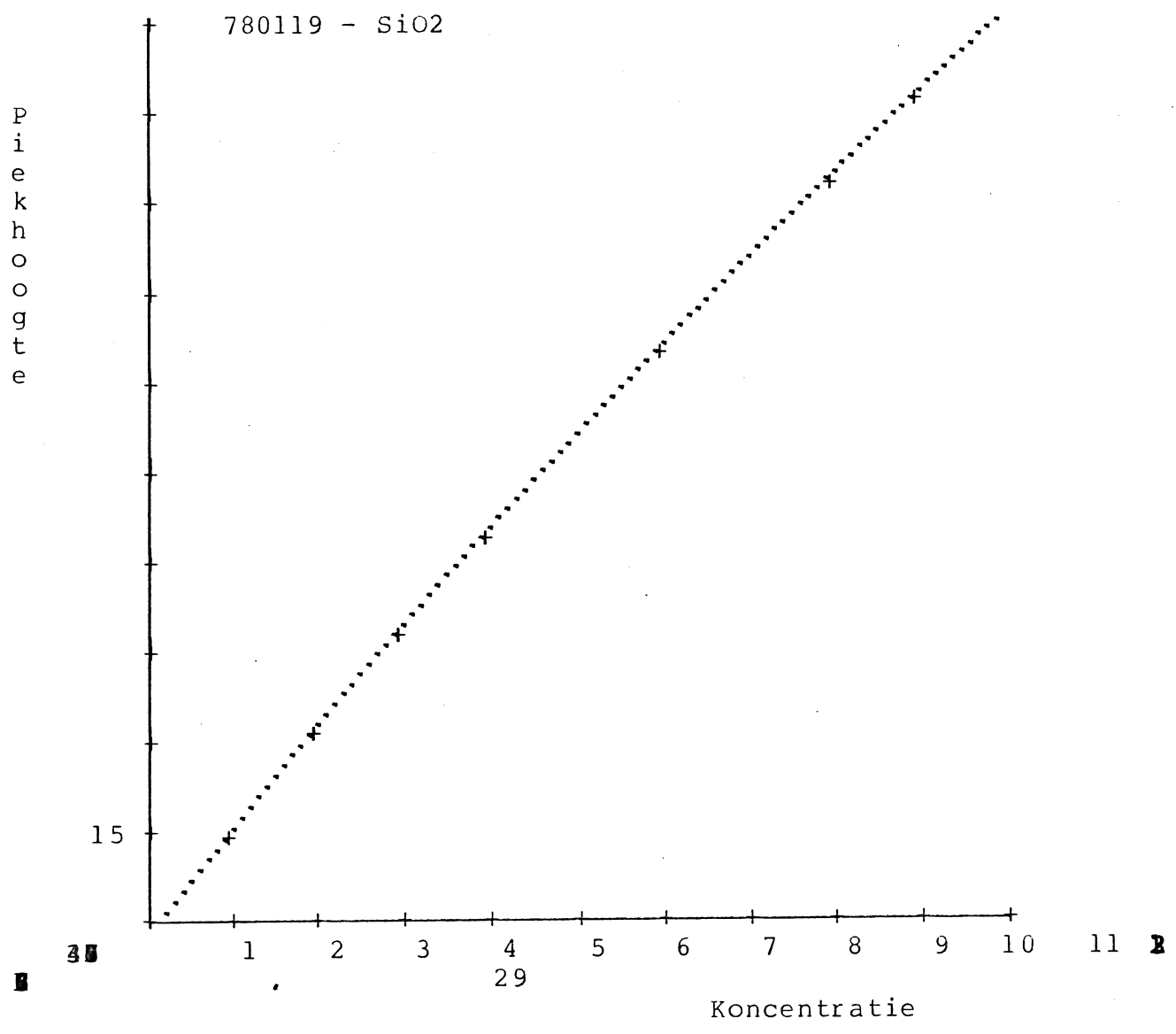
$$R = 0.999980$$

$$F = 281496$$

Results of the Analysis

Sample	Identification	Conc.	D.F.	Sample Conc.
921	43.03.050977.1337	10.62	1	10.62
922	33.03.050977.1440	5.90	1	5.90
923	23.03.050977.1545	9.98	1	9.98
924	13.03.050977.1635	6.18	1	6.18
925	12.03.060977.0835	1.17	1	1.17
926	22.03.060977.1015	5.08	1	5.08
927	32.03.060977.1110	5.68	1	5.68
928	21.03.060977.1410	5.05	1	5.05
929	11.03.060977.1555	6.39	1	6.39
930	14.03.060977.1830	5.73	1	5.73
931	24.03.070977.1230	4.66	1	4.66
932	34.03.070977.1340	8.34	1	8.34
933	44.03.070977.1430	2.79	1	2.79
934	45.03.070977.1600	5.48	1	5.48
935	35.03.070977.1700	1.54	1	1.54
936	25.03.070977.1750	5.30	1	5.30
937	15.03.070977.1940	10.42	1	10.42
938	42.03.080977.0735	1.98	1	1.98
939	41.03.080977.0850	4.18	1	4.18
940	31.03.080977.1010	1.14	1	1.14
941	13.03.031077.1250	6.11	1	6.11
942	23.03.031077.1415	5.31	1	5.31
943	43.03.031077.1550	9.21	1	9.21
944	33.03.031077.1730	6.66	1	6.66
945	11.03.041077.1015	7.08	1	7.08
946	41.03.051077.1120	9.30	1	9.30

947	31.03.051077.1250	6.05	1	6.05
948	geen	6.05	1	6.05
949	geen	6.08	1	6.08
950	45.03.061077.1055	6.00	1	6.00
951	35.03.061077.1215	4.69	1	4.69
952	25.03.061077.1330	5.88	1	5.88
953	15.03.061077.1555	6.05	1	6.05
954	44.03.071077.0930	2.22	1	2.22
955	34.03.071077.1045	6.59	1	6.59
956	24.03.071077.1145	6.66	1	6.66
957	14.03.071077.1315	5.44	1	5.44
1	stand.1 ppm	0.99	1	0.99
2	stand.2 ppm	2.01	1	2.01



Conc. Peakheight

Regression Results

1.00	15.00	Y = 2.0966 + 15.2977 X
		R = 0.998646
		F = 8850
1.00	15.00	Y = 118.1856 - 123.8076 / X
		R = 0.703810
		F = 29
2.00	32.50	1/Y = -0.0010 + 0.0667 / X
		R = 0.997929
		F = 5781
2.00	32.50	Y = -54.8119 + 62.6159 √ X
		R = 0.989346
		F = 1114
3.00	49.00	Y = 18.5237 e^(0.2465 X)
		R = 0.889595
		F = 97
3.00	49.00	Y = 15.7433 X^1.0028
		R = 0.998211
		F = 6694
4.00	65.00	Y = -0.7770 + 56.7717 ln X
		R = 0.932393
		F = 165
4.00	65.00	Y = -2.6271 + 18.0080 X - 0.2672 X^2
		R = 0.999980
		F = 281496
6.00	96.00	
6.00	96.00	
8.00	124.00	
8.00	124.00	
9.00	138.00	
9.00	138.00	