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SANITIZED

REPORT

EXPLORATORY 28-DAY ORAL TOXICITY STUDY

WITH

TELOMER ALCOHOL, TELOMER ACRYLATE, PFHS AND PFOS (positive control)

BY DAILY GAVAGE

IN THE RAT

FOLLOWED BY A 14/28-DAY RECOVERY PERIOD

NOTOX Project 242933
NOTOX Substances 83484, 83493, 83502, 84456 and 84141
3M Test No. T-7023, T-7024, T-7022, T-7032, T-6295

REPORT APPROVAL

Study Director
Ir. S.C.M. de Hoog

Date: 27 April 1999

Management
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Date: 28 April 1999

BACK TO MAIN

CONTENTS

REPORT APPROVAL 2

SUMMARY 5

PREFACE 7

STUDY PLAN 8

MATERIALS AND METHODS 9

- Test Substances 9
- Test Substance Formulation 10
- Purpose and Rationale 11
- Guidelines 11
- Archiving 11
- Test System 12
- Allocation 12
- Animal Husbandry 13
- Treatment 13
- Recovery 13
- Observations 14
  - Mortality / Viability 14
  - Clinical Signs 14
  - Body Weights 14
  - Food Consumption 14
  - Water Consumption 14
- Clinical Laboratory Investigations 14
  - Haematology 15
  - Clinical Biochemistry 16
  - Urinalysis 17
- Pathology 17
  - Necropsy 17
  - Organ Weights 18
  - Liver Sampling 18
  - Histotechnology 18
  - Histopathology 19
- Statistical Analysis 19

RESULTS 20

- Observations 20
  - Mortality 20
  - Clinical Signs 20

RESULTS (continued) 21

Body Weight 21
Food Consumption 21
Clinical Laboratory Investigations 22
Haematology 22
Clinical Biochemistry 23
Pathology 24
Macroscopic Examination 24
Organ Weights 24
Microscopic Examination 25
Discussion and Conclusion 25

FIGURES 27
Body Weights 28-29
Body Weight Gain 30-31
Food Consumption 32-33
Relative Food Consumption 34-35

TABLES - SUMMARY DATA 36
Clinical Signs 37-60
Body Weights 61-64
Body Weight Gain 65-68
Food Consumption 69-72
Relative Food Consumption 73-76
Haematology 77-88
Clinical Biochemistry 89-100
Organ Weights-Organ/Body Weight Ratios 101-112
Historical data Haematology / Clinical Biochemistry 113-118

TABLES - INDIVIDUAL DATA 119
Mortality 120-125
Clinical Signs, Daily 126-152
Body Weights 153-160
Body Weights Gain 161-168
Food Consumption 169-172
Relative Food Consumption 173-184
Key to Missing Values and Remarks Haematology / Clinical Biochemistry 185
Haematology 186-221
Clinical Biochemistry 222-257
Macroscopic Findings 258-281
Organ Weights-Organ/Body Weight Ratios 282-305

APPENDIX 1 Pathology Report 1-146

LAST PAGE OF REPORT 451

SUMMARY

Exploratory 28-day oral toxicity study with Telomer Alcohol, Telomer Acrylate, PFHS and PFOS (positive control) by daily gavage in the rat followed by a 14/28-day recovery period.

Dose levels for this study, provided by the sponsor, were selected to be 0 (Vehicle Control), 3 (PFOS), 10 (PFHS) and 30 mg/kg body weight/day (Telomer Alcohol, Telomer Acrylate).

The study was based on the following guidelines:
- EEC Directive 96/54/EEC, B.7 Repeated Dose (28 days) Toxicity (oral), 1996.
- OECD 407, Repeated Dose 28-day Oral Toxicity Study in Rodents, 1995

The test substance, formulated in 1% aqueous carboxymethyl cellulose, was administered daily for at least 28 days by oral gavage to SPF-bred Sprague Dawley rats. One vehicle control group and five treated groups were tested, each consisting of 8 males and 8 females. An extra 3 animals per sex per group were allowed 14 days of recovery and another 3 animals per sex per group were allowed 28 days of recovery.

The following parameters were evaluated: clinical signs twice daily (treatment) or once daily (recovery); body weight twice weekly; food consumption weekly; clinical pathology after 4 weeks and at the end of both recovery periods; macroscopy at termination; organ weights and histopathology on a selection of tissues.

RESULTS

Telomer Alcohol: (30 mg/kg/day)	1. Total protein, globulin and total cholesterol were decreased (♂) after treatment. Total protein was still decreased after 2 and 4 weeks recovery (♂). 2. Midzonal/centrilobular hypertrophy was observed in the liver, and exocrine apoptosis/single cell necrosis in the pancreas (♂) after treatment and had partially or completely resolved after 4 weeks recovery.
Telomer Acrylate: (30 mg/kg/day)	1. Body weights were decreased at the end of treatment (♀) 2. Total protein, globulin and total cholesterol were decreased (♂) and albumin/globulin ratios were increased (♂) after treatment.
(30 mg/kg/day)	1. Total protein, globulin, aspartate aminotransferase activity (♂) and prothrombin time (♀) were decreased and albumin/globulin ratios were increased (♂) after treatment. Prothrombin time was still decreased after 2 weeks recovery (♀).

PFHS: (10 mg/kg/day)	1. Total cholesterol (♂ and ♀), total protein, globulin, triglycerides, aspartate aminotransferase activity (♂) and prothrombin time (♂ and ♀) were decreased; albumin/globulin ratios and alkaline phosphatase activity were increased (♂) after treatment. Prothrombin time was still decreased after 2 weeks recovery (♀). 2. Liver weights were increased after treatment (♂). 3. Midzonal/centrilobular hypertrophy was observed in the liver (♂) after treatment and had completely resolved after 4 weeks recovery.
PFOS: (3 mg/kg/day)	1. Body weights and food consumption were decreased during treatment and recovery (♀). 2. Total protein, globulin, total cholesterol, triglycerides, aspartate aminotransferase activity (♂) and prothrombin time (♀) were decreased; albumin/globulin ratios were increased (♂) after treatment. 3. Autopsy body weights were decreased (♀). Liver weights were increased after treatment and recovery (♂ and ♀). 4. Midzonal/centrilobular hypertrophy was observed in the liver (♂ and ♀) after treatment and remained in evidence among males after recovery.

From the results presented in this report it can be concluded that the positive control compound PFOS dosed at 3 mg/kg/day was indeed the compound with the most striking and persistent effects, mainly in the liver. Compounds with comparable but less severe effects as PFOS included PFHS (10 mg/kg/day) and TELOMER ALCOHOL (30 mg/kg/day).
Despite slightly reduced body weights in females (TELOMER ACRYLATE only) and some slight changes in the blood after treatment, 30 mg/kg TELOMER ACRYLATE or per day did not result in clear systemic toxicity and organ dysfunction at macroscopic or microscopic level.

PREFACE

Sponsor	3M Toxicology Services 3M Center, Bldg 220-2E-02 St. Paul, MN 55144-1000 USA
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Study Director	Ir. S.C.M. de Hoog
Histopathology	Dr. J. Th. Wilson

STUDY PLAN

Start of Treatment

06 October 1998 (males)
08 October 1998 (females)

Start Recovery

04 November 1998 (males)
06 November 1998 (females)

Blood sampling

03 November 1998 (Main groups, males)
04 November 1998 (Main and Recovery groups 1 and 2, males)
05 November 1998 (Main groups, females)
06 November 1998 (Main and Recovery groups 1 and 2, females)
18 November 1998 (Recovery groups 1, males)
20 November 1998 (Recovery groups 1, females)
02 December 1998 (Recovery groups 2, males)
04 December 1998 (Recovery groups 2, females)

Urine collection

predose	: 29-30 September 1998	(Recovery groups 1 and 2)
day 7	: 11-12 October 1998	(Recovery groups 1 and 2, males)
day 7	: 13-14 October 1998	(Recovery groups 1 and 2, females)
day 14	: 18-19 October 1998	(Recovery groups 1 and 2, males)
day 14	: 20-21 October 1998	(Recovery groups 1 and 2, females)
end of treatment	: 03-04 November 1998	(Recovery groups 1 and 2, males)
end of treatment	: 05-06 November 1998	(Recovery groups 1 and 2, females)
end of recovery	: 17-18 November 1998	(Recovery groups 1, males)
end of recovery	: 19-20 November 1998	(Recovery groups 1, females)
end of recovery	: 01-02 December 1998	(Recovery groups 2, males)
end of recovery	: 03-04 December 1998	(Recovery groups 2, females)

Necropsy

03 November 1998 (Main groups, males)
04 November 1998 (Main groups, males)
05 November 1998 (Main groups, females)
06 November 1998 (Main groups, females)
18 November 1998 (Recovery groups 1, males)
20 November 1998 (Recovery groups 1, females)
02 December 1998 (Recovery groups 2, males)
04 December 1998 (Recovery groups 2, females)

MATERIALS AND METHODS

TEST SUBSTANCES

The sponsor is responsible for the completeness of all test substance data. All available information on characteristics of the test substance were taken into account before the start of the study in order to determine if they conflict with/might affect the proceeding of the study.

NOTOX SUBSTANCE 83484

Identification	TELOMER ALCOHOL
Description	Pale to medium tan waxy solid
Batch	T-7023
Purity	Not indicated by sponsor; treated as 100% pure
Test substance storage	At room temperature in the dark
Stability under storage conditions	Stable
Expiry date	07 September 2000
Specific Gravity	1.7
Stability in vehicle	1% aqueous carboxymethyl cellulose: not indicated

NOTOX SUBSTANCE 83493

Identification	TELOMER ACRYLATE
Description	Yellow liquid
Batch	T-7024
Purity	Not indicated by sponsor; treated as 100% pure
Test substance storage	At room temperature protected from light
Stability under storage conditions	Stable
Expiry date	07 September 2000
Density	Approx. 1.6 g/cm^3 at 50 °C
Stability in vehicle	1% aqueous carboxymethyl cellulose: not indicated

NOTOX SUBSTANCE 83502

Identification	
Description	White powder
Batch	T-7022
Purity	Not indicated by sponsor; treated as 100% pure
Test substance storage	At room temperature in the dark
Stability under storage conditions	Stable
Expiry date	07 September 2000
Stability in vehicle	1% aqueous carboxymethyl cellulose: not indicated

NOTOX SUBSTANCE 84456/B

Identification	PFHS
Description	Off-white crystalline solid
Batch	T-7042
Purity	Not indicated by sponsor; treated as 100% pure
Test substance storage	At room temperature in the dark
Stability under storage conditions	Stable
Expiry date	25 September 2000
Stability in vehicle	1% aqueous carboxymethyl cellulose: not indicated

NOTOX SUBSTANCE 84141

Identification	PFOS
Description	White solid
Batch	T-6295
Purity	Not indicated by sponsor; treated as 100% pure
Test substance storage	At room temperature in the dark
Stability under storage conditions	Stable
Expiry date	07 September 2000
Stability in vehicle	1% aqueous carboxymethyl cellulose: not indicated

Vehicle	1% aqueous carboxymethyl cellulose
Rationale for vehicle	Based on trial formulations performed at NOTOX
Stability in vehicle	Stability over 4 hours will be determined by the sponsor

TEST SUBSTANCE FORMULATION

Method	Formulations (w/w) were prepared daily within 4 hours prior to dosing. No adjustment was made for specific gravity of the test substance.
Storage conditions	At ambient temperature

No chemical analysis of dose preparations was performed.

PURPOSE AND RATIONALE

The nature and purpose of this exploratory study was to determine and compare the relative oral toxicity in rats following oral (gastric gavage) doses administered daily over 28 days and identify developmental compounds of lesser toxicity for commercial development.

This study should provide part of a rational basis for toxicological risk assessment in man. The oral route was selected as it is a possible route of human exposure during manufacture, handling or use of the test substance.

GUIDELINES

The protocol was reviewed and agreed by the Article 14-functionary and the Ethical Committee of NOTOX as required by the Dutch Act on Animal Experimentation.
The study procedures described in this report were based on the following guidelines:

1) EC Directive 96/54/EEC, Annex IV.D, replacing EEC Directive 67/548/EEC, Part B : Methods for the Determination of Toxicity and other Health Effects; B.7: "Repeated Dose (28 days) Toxicity (oral)". Official Journal of the European Communities No. L248, September 1996.

2) OECD Guideline for Testing of Chemicals, Guideline 407: "Repeated Dose 28-day Oral Toxicity Study in Rodents", Paris Cedex, 27 July 1995

The protocol, study procedures and the report were not inspected by the NOTOX Quality Assurance Unit.

ARCHIVING

NOTOX B.V., will archive the following data for at least 10 years: protocol, raw data, report and all specimens.
No data will be withdrawn without the sponsor's written consent.

TEST SYSTEM

Test System	Sprague Dawley rat Crl:CD BR (outbred, SPF-Quality) Recognised by international guidelines as the recommended test system (e.g. EPA, FDA, OECD, EEC). Females were nulliparous and non-pregnant. Source : Charles River, Sulzfeld, Germany
Age at Start of Treatment	Approximately 6 weeks.
Number of animals	84 males, 84 females
Randomisation	At least 5 days before study start, by computer-generated random algorithm according to body weight, with all animals within ± 20% of the sex mean. A health inspection was performed prior to commencement of treatment to ensure that the animals were in a good state of health.
Identification	Earmark and tattoo

ALLOCATION

Group Identification	Test Substance	Number of animals males	females	Animal numbers males	females
1 Main group	Vehicle control	8	8	1- 8	97-104
1 Recovery group 1	Vehicle control	3	3	9-11	105-107
1 Recovery group 2	Vehicle control	3	3	13-15	109-111
2 Main group	Telomer Alcohol	8	8	17-24	113-120
2 Recovery group 1	Telomer Alcohol	3	3	25-27	121-123
2 Recovery group 2	Telomer Alcohol	3	3	29-31	125-127
3 Main group	Telomer Acrylate	8	8	33-40	129-136
3 Recovery group 1	Telomer Acrylate	3	3	41-43	137-139
3 Recovery group 2	Telomer Acrylate	3	3	45-47	141-143
4 Main group		8	8	49-56	145-152
4 Recovery group 1		3	3	57-59	153-155
4 Recovery group 2		3	3	61-63	157-159
5 Main group	PFHS	8	8	65-72	161-168
5 Recovery group 1	PFHS	3	3	73-75	169-171
5 Recovery group 2	PFHS	3	3	77-79	173-175
6 Main group	PFOS (positive control)	8	8	81-88	177-184
6 Recovery group 1	PFOS (positive control)	3	3	89-91	185-187
6 Recovery group 2	PFOS (positive control)	3	3	93-95	189-191

Test substances Telomer Alcohol (substance 83484), Telomer Acrylate (substance 83493) and (substance 83502) were tested at a dose level of 30 mg/kg body weight/day.

PFHS (substance 84456) was tested at a dose level of 10 mg/kg body weight/day.
PFOS (substance 84141) was tested at a dose level of 3 mg/kg body weight/day.

ANIMAL HUSBANDRY

Conditions
Air-conditioned room with approximately 15 air changes per hour and the environment controlled with optimal conditions considered as being a temperature of 21°C and a relative humidity of 50%. Lighting was 12 hours artificial fluorescent light and 12 hours dark per day. Deviations from these optimal conditions occurred, but were considered not to have affected study integrity.

Accommodation
Group housing of 3-4 animals per sex per cage in stainless steel suspended cages with wire mesh floors. Acclimatisation period was at least 5 days before start of treatment under laboratory conditions.

Diet
Free access to standard pelleted laboratory animal diet (from Carfil Quality BVBA, Oud-Turnhout, Belgium). Each batch is analysed for nutrients and contaminants are analysed on a regular basis. Results are examined and archived.

Water
Free access to tap-water. Certificates of analysis (performed quarterly) were examined and archived.

TREATMENT

Method	Oral gavage, using a stainless steel stomach tube. Formulations were placed on a magnetic stirrer during dosing.
Frequency	Once daily for at least 28 days, approximately the same time each day, 7 days per week. Main group animals were dosed up to the day prior to necropsy
Dose volume	5 ml/kg body weight. Actual dose volumes were calculated weekly according to the latest body weight.
Dose level	Group 1: 0 mg/kg b.w./day (Vehicle Control) Group 2: 30 mg/kg b.w./day (Telomer Alcohol) Group 3: 30 mg/kg b.w./day (Telomer Acrylate) Group 4: 30 mg/kg b.w./day ( ) Group 5: 10 mg/kg b.w./day (PFHS) Group 6: 3 mg/kg b.w./day (PFOS, positive control)

RECOVERY

Duration	Recovery group 1: at least 14 days Recovery group 2: at least 28 days

OBSERVATIONS

Mortality / Viability	Twice daily.
Clinical signs	During the treatment period detailed clinical observations were made twice daily in all animals: once immediately after dosing and once approximately 4 hours after dosing. During the recovery period only one observation per day was performed. The time of onset, degree and duration were recorded. All symptoms were recorded and graded according to fixed scales: Maximum grade 4: grading slight (1) to very severe (4). Maximum grade 3: grading slight (1) to severe (3). Maximum grade 1: presence is scored (1).
Body weights	Treatment period : on days 1, 5, 8, 12, 15, 19, 22, 25 and 28. Recovery period : on days 1, 5, 8, 12, 14, 19, 22, 25 and 28.
Food consumption	Weekly.
Water consumption	Subjective appraisal was maintained during the study, but no quantitative investigation introduced as no effect was suspected.

CLINICAL LABORATORY INVESTIGATIONS

Blood samples were collected under light ether anaesthesia, between 7.30 and 9.30 a.m. immediately prior to post mortem examination for Main and Recovery group animals, and for Recovery group animals also at the end of the treatment period. The animals were fasted overnight (with a maximum of 20 hours) before blood sampling, but water was provided. Blood samples were drawn from the retro-orbital sinus of all Main and Recovery rats/sex/group and collected into tubes prepared with EDTA for haematological parameters (0.5 ml), with citrate for clotting tests (1.0 ml) and untreated tubes for clinical biochemistry parameters (>2.0 ml). From animal numbers 17-20, 33-36, 49-52, 65-68, 81-83, 113, 115, 131 and 132 a second EDTA-sample was collected after 4 weeks, due to inexplicable clotting of the first sample.

HAEMATOLOGY

The following haematology parameters were determined from blood prepared with EDTA as an anti-coagulant, using the instruments listed:

Parameter/Abbreviation	Unit	Instrumentation
Erythrocyte count/RBC	T/l	Sysmex K-1000
Haemoglobin/HB	mmol/l	Sysmex K-1000
Haematocrit/HCT	l/l	Sysmex K-1000
Mean corpuscular volume/MCV	fl	Sysmex K-1000
Mean corpuscular haemoglobin/MCH	fmol	Sysmex K-1000
Mean corpuscular haemoglobin concentration/MCHC	mmol/l	Sysmex K-1000
Platelet count	G/l	Sysmex K-1000
Red cell distribution width/RDW	%	Sysmex K-1000
Total leucocyte count/WBC	G/l	Sysmex K-1000
Differential leucocyte count/SEG (Neutrophils) EO (Eosinophils), BASO (Basophils), LYMPH (Lymphocytes), MONO (Monocytes)	1(rel)	Manual (Microscope)

The following haematology parameters were determined from blood prepared with citrate as an anti-coagulant, using the instruments listed:

Parameter/Abbreviation	Unit	Instrumentation/Method
Prothrombin time/PT	sec	Sysmex CA-5000
Partial thromboplastin time/PTT	sec	Sysmex CA-5000

CLINICAL BIOCHEMISTRY

The following clinical biochemistry parameters were determined from serum samples using the instruments listed:

Parameter/Abbreviation	Unit	Instrumentation
Alanine aminotransferase/ (ALAT/GPT)	µkat/l	Epos selective analyser 5060 (Eppendorf)
Aspartate aminotransferase/ (ASAT/GOT)	µkat/l	Epos selective analyser 5060 (Eppendorf)
Bilirubin, total/ BILI T.	µmol/l	Epos selective analyser 5060 (Eppendorf)
Cholesterol, total/ CHOLEST. T.	mmol/l	Epos selective analyser 5060 (Eppendorf)
Triglycerides/ TRIGL.	mmol/l	Epos selective analyser 5060 (Eppendorf)
Creatinine	µmol/l	Epos selective analyser 5060 (Eppendorf)
Glucose	mmol/l	Epos selective analyser 5060 (Eppendorf)
Urea	mmol/l	Epos selective analyser 5060 (Eppendorf)
Protein, total/ PROTEIN T.	g/l	Epos selective analyser 5060 (Eppendorf)
Protein, albumin/ ALBUMIN	g/l	Epos selective analyser 5060 (Eppendorf)
Protein, globulin/ GLOBULIN	g/l	Calculation [PROTEIN T.-ALBUMIN]
Albumin Globulin ratio A/G RATIO	1	Calculation [ALBUMIN/GLOBULIN]
Alkaline phosphatase/ ALP	µkat/l	Epos selective analyser 5060 (Eppendorf)
Sodium	mmol/l	EFIX 5055 Flame Photometer Eppendorf
Potassium	mmol/l	EFIX 5055 Flame Photometer Eppendorf
Chloride	mmol/l	Jenway PCLM3
Calcium	mmol/l	EFIX 5055 Flame Photometer Eppendorf
Phosphorus/ INORG. PHOSPH	mmol/l	Epos selective analyser 5060 (Eppendorf)

URINALYSIS (Recovery group animals only)

Urine samples were collected overnight (approximately 16 hrs) from all animals assigned to the Recovery groups according to the following schedule:

- predose
- during the treatment period on days 7, 14 and at the end of treatment
- at the end of the recovery period, prior to scheduled necropsy.

During the sampling period animals were deprived of food but water was provided. Urine was collected into a specimen vial, using a metabolism cage. After collection the samples were frozen and stored at -20°C at NOTOX until further analysis.

PATHOLOGY

NECROPSY

All animals surviving to the end of the observation period were deeply anaesthetised using ether vapour and subsequently exsanguinated. All animals assigned to the study were necropsied and descriptions of all macroscopic abnormalities recorded.

Prior to exsanguination a blood sample (1-2 ml) for serum collection was taken from the aorta. Serum samples were stored at -20°C at NOTOX until further analysis. Inadvertently, no serum sample was collected from all Main males and females from groups 1, 2, 3 and 6 (animal numbers 97-100, 113-116, 129-132 and 177-180). Instead, reserve samples intended for clinical biochemistry might be used for possible further analysis.

Samples of the following tissues and organs were collected from all animals at necropsy and fixed in neutral phosphate buffered 4% formaldehyde solution:

Identification marks
Adrenal glands
Aorta
Brain
Caecum
Colon
Duodenum
Epididymides
Eyes with optic nerve and Harderian gland
Female mammary gland area
Heart
Ileum
Jejunum
Kidneys
Liver
Lung, infused with formalin
Lymph nodes - mandibular, mesenteric
Oesophagus
Ovaries
Pancreas

Peyer's patches (jejunum, ileum) if detectable
Pituitary gland
Prostate gland
Rectum
Salivary glands - mandibular
Sciatic nerve
Seminal vesicles
Spinal cord -cervical, midthoracic, lumbar
Spleen
Sternum with bone marrow
Stomach
Testes
Thymus
Thyroid including parathyroid
Trachea
Urinary bladder
Uterus
All gross lesions

ORGAN WEIGHTS

The following organ weights (and terminal body weight) were recorded from the surviving animals on the scheduled day of necropsy:

Adrenal glands
Brain
Heart
Kidneys
Liver
Ovaries
Spleen
Testes

Both absolute and relative (% body weight) organ weight data are included in the study report.

LIVER SAMPLING

From all animals surviving until the scheduled necropsy at least 1 gram of the left lateral liver lobe was frozen in isopentane/N_2. Liver samples were stored at -20°C at NOTOX and on 01 February 1999 dispatched on dry ice to the sponsor.

Analysis is performed under the responsibility of the sponsor. Results may be reported by the sponsor in a separate document.

HISTOTECHNOLOGY

All underlined organ and tissue samples (see under Necropsy) from all Main and Recovery group animals were processed, embedded and cut at a thickness of 2-4 micrometers and stained with haematoxylin and eosin.

HISTOPATHOLOGY

Slides of all underlined organs and tissues (see under Necropsy) collected at the scheduled sacrifice from all Main group animals of all dose groups as well as from all animals of all dose groups which died spontaneously, and all gross lesions of all animals (all dose groups) were examined by a pathologist. Based on treatment related morphologic changes, the following organs were also examined from all rats of Recovery groups 1 and 2:

- liver from males of the Vehicle control, Telomer Alcohol, PFHS and PFOS groups;
- liver from females of the Vehicle Control and PFOS groups;
- pancreas from males of the Vehicle Control and Telomer Alcohol groups.

All abnormalities were described and included in the report.

STATISTICAL ANALYSIS

The following statistical methods were used to analyse the data:

Univariate one-way analysis of variance was used to assess the significance of intergroup differences.

If the variables could be assumed to follow a normal distribution, the Dunnett-test (many-to-one t-test) based on a pooled variance estimate was applied for the comparison of the treated groups and the control groups for each sex.

The Steel-test (many-to-one rank test) was applied instead of the Dunnett-test when the data could not be assumed to follow a normal distribution.

All tests were two-sided and in all cases $p < 0.05$ was accepted as the lowest level of significance.

Group means were calculated for continuous data and medians were calculated for discrete data (scores) in the summary tables.

Test statistics were calculated on the basis of exact values for means and pooled variances. Individual values, means and standard deviations may have been rounded off before printing. Therefore, two groups may display the same printed means for a given parameter, yet display different test statistics values.

References:

- C.W. Dunnett
A Multiple Comparison Procedure for Comparing Several Treatments with a Control, J. Amer. Stat. Assoc. 50, 1096-1121 (1955).

- R.G. Miller
Simultaneous Statistical Inference, Springer Verlag, New York (1981).

RESULTS

OBSERVATIONS

MORTALITY

No treatment-related mortality occurred during the study period.

One female receiving TELOMER ACRYLATE died following blood sampling, prior to necropsy. This was considered to be an accidental death.

CLINICAL SIGNS

TELOMER ALCOHOL
Rales were noted in one male immediately and 4 hours after dosing. This was observed at the end of the treatment period until the third week of recovery.

TELOMER ACRYLATE
A hunched posture was observed in two Main group females in weeks 2 and 3 of the treatment period and in two Recovery group females at the end of treatment and during the first week(s) of recovery. Piloerection was also observed in the one female during the first week of recovery. In general the findings were observed immediately and 4 hours after dosing.

A hunched posture was observed immediately and 4 hours after dosing in one Main group female from week 3 until the end of the treatment period.

PFHS
A hunched posture was observed immediately and 4 hours after dosing in one male at the end of treatment until the second day of recovery. A similar finding was seen 4 hours after dosing in one Main group female on one occasion at the end of treatment.

PFOS
A hunched posture was observed in two Main group females in weeks 3 and 4 of treatment. A swelling on the abdominal skin was observed in one Main group male at the end of the treatment period.

Other findings such as alopecia, salivation, a missing tail apex, red discolouration of the skin, wounds, scabs, scales, fissures with bleeding on the paws, swelling of the ear and eye abnormalities were noted among the treated and/or control animals. These findings were considered to be of no toxicological significance as incidences remained within the range of biological variation for rats of this age and strain or could be attributed to the blood sampling procedure.

BODY WEIGHT

TELOMER ALCOHOL
Body weight gain of males was decreased at the end of the recovery period when compared to the corresponding control values. Absolute body weights of these animals remained however within the range of control values.

TELOMER ACRYLATE
Body weights of females were slightly decreased when compared to control values at the end of the treatment period.

PFHS
Body weight gain of males was decreased at the end of the recovery period. Absolute body weights of these males were also below control values, but did not differ with statistical significance.

PFOS
Body weights and body weight gain of females were decreased with statistical significance from week 2 of treatment until the end of the recovery period. Statistical significance was achieved in the majority of cases, mainly for absolute body weights. Among males, body weight gain was reduced with statistical significance in weeks 3 and 4 of the recovery period. Absolute body weights of these males were also below control values, but did not differ with statistical significance.

Body weights and body weight gain of animals receiving remained in the same range as controls over the treatment and recovery period.

FOOD CONSUMPTION

PFHS
Absolute food consumption among males was slightly reduced at the end of the 4-week recovery period. However, after correction for body weight this effect was not observed anymore.

PFOS
Absolute food consumption of females was reduced from week 3 of treatment until the end of recovery. This effect was less apparent after allowance for body weight.
Among males, absolute food consumption was slightly reduced at the end of the 4-week recovery period, but relative food consumption was within control values.

There were no differences in food consumption before or after allowance for body weight between animals receiving TELOMER ALCOHOL, TELOMER ACRYLATE or and control animals.

CLINICAL LABORATORY INVESTIGATIONS

HAEMATOLOGY

TELOMER ALCOHOL
After 4 weeks, red blood cell count, haemoglobin and haematocrit values were decreased in females.
After 2 weeks recovery, prothrombin time was decreased in females.
After 4 weeks recovery, red cell distribution width was decreased in males.

TELOMER ACRYLATE
After 4 weeks, total red blood cell count was slightly decreased in males. This decrease was no apparent anymore after the 2- and 4-week drug-free recovery periods.

After 4 weeks, differential leucocyte count revealed decreased relative values of neutrophilic granulocytes and increased relative lymphocytes values in males.
Partial thromboplastin time was increased in males of this dose group.
Prothrombin time was decreased in females.
After 2 weeks recovery, prothrombin time was still decreased in females.
After 4 weeks recovery, red cell distribution width was decreased in males.

PFHS
After 4 weeks, total red blood cell count, haemoglobin, haematocrit, total number of platelets and prothrombin time were decreased in males. Total red blood cell count, haematocrit and prothrombin time were decreased in females.
After 2 weeks recovery, prothrombin time and total platelet numbers were decreased in females.
After 4 weeks recovery, no statistically significant differences when compared to controls were observed.

PFOS
After 4 weeks, mean corpuscular haemoglobin was increased in males and haematocrit and prothrombin time were decreased in females.
After the 2- and 4-week drug-free recovery periods no statistically significant differences were observed.

CLINICAL BIOCHEMISTRY

TELOMER ALCOHOL
After 4 weeks, total cholesterol, total protein and globulin values were decreased in males.
After 2 weeks recovery, total protein was still decreased in males.
After 4 weeks recovery, total cholesterol, total protein, potassium and calcium values were decreased in males.

TELOMER ACRYLATE
After 4 weeks, total cholesterol, total protein and globulin were decreased and albumin/globulin ratios were increased in males.
After 2 weeks recovery these differences were not apparent anymore.
After 4 weeks recovery, total protein, potassium and calcium values were decreased in males.

After 4 weeks, aspartate aminotransferase activity, total protein, globulin and potassium values were decreased and albumin/globulin ratios were increased in males.
After 2 weeks recovery, glucose values were increased and sodium values were decreased in males. Urea was increased in females.
After 4 weeks recovery, total protein, inorganic phosphate, potassium and calcium values were decreased in males.

PFHS
After 4 weeks, aspartate aminotransferase activity, total cholesterol, triglycerides, total protein and globulin values were decreased and albumin/globulin ratios, alkaline phosphatase activity and chloride were increased in males. Total cholesterol was decreased and chloride values were increased in females.
After 2 weeks recovery, no statistically significant differences were observed anymore.
After 4 weeks recovery, total cholesterol, glucose and potassium values in males were below control values with statistical significance.

PFOS
After 4 weeks, aspartate aminotransferase activity, total cholesterol, triglycerides, total protein and globulin values were decreased and albumin/globulin ratios and chloride were increased in males. Urea and chloride values were increased in females.
After 2 weeks recovery no such findings were observed.
After 4 weeks recovery, aspartate aminotransferase activity, total bilirubin, total protein, potassium and calcium values were decreased and chloride was increased in males.

PATHOLOGY

MACROSCOPIC EXAMINATION

Macroscopic observations at necropsy did not reveal any alterations that were considered to have arisen as a result of treatment.

The few macroscopic findings recorded at all sacrifices were unremarkable and did not distinguish treated rats from the vehicle control group.

ORGAN WEIGHTS

PFHS
After 4 weeks, liver weights and liver:body weight ratios were increased in males.
After 2 and 4 weeks recovery, this effect had disappeared.

Increased brain:body weight and testes:body weight ratios observed after the 4-week recovery period is attributed to the slightly low autopsy body weights of these animals.

PFOS
After 4 weeks, autopsy body weights were decreased in females. Liver weights and liver:body weight ratios were increased in males and females. Kidney:body weight ratios were increased in females.
After 2 weeks recovery, liver weights and liver:body weight ratios were still increased in males.
After 4 weeks recovery, liver:body weight ratios were increased in males and females and kidney:body weight ratios were increased in females.

Other changes noted in PFOS treated animals included decreased absolute heart weights and increased brain:body weight ratios in females after 4 weeks of treatment and 2 weeks recovery. In addition, absolute spleen weights were increased in males after 2 weeks recovery and testes:body weight ratios were increased after 4 weeks recovery. All these changes were likely to reflect slightly low or high body weights at autopsy.

Organ weights and organ:body weight ratios of animals treated with TELOMER ALCOHOL, TELOMER ACRYLATE or were considered to be similar to those of control animals.

MICROSCOPIC EXAMINATION (see Appendix 1)

TELOMER ALCOHOL
After 4 weeks, midzonal/centrilobular hypertrophy was seen at a minimal or slight degree in six males. In the pancreas a slight increase in the incidence of minimal or slight degrees of exocrine apoptosis/single cell necrosis was recorded in six males.
After 2 and 4 weeks recovery, the liver changes had partially or completely resolved and the pancreas findings returned to the level of the vehicle control group.

PFHS
After 4 weeks, midzonal/centrilobular hypertrophy was seen at slight to moderate degrees in all males.
After 2 weeks recovery, this finding had partially resolved.
After 4 weeks recovery, this finding had completely resolved.

PFOS
After 4 weeks, midzonal/centrilobular hypertrophy was seen at minimal to moderate degrees in all males and females.
After 2 and 4 weeks recovery, this finding had partially or completely resolved in females, however remained in evidence in males.

The remainder of the microscopic findings recorded after treatment and recovery were within the range of background pathology encountered in Sprague Dawley rats of this age ad strain and occurred at similar incidences and severity in both control and treated rats.

DISCUSSION AND CONCLUSION

Following daily oral administrations of TELOMER ALCOHOL, TELOMER ACRYLATE, PFHS or PFOS to male and female Sprague Dawley rats for at least 28 days, treatment-related changes were most pronounced in the TELOMER ALCOHOL, PFHS and PFOS groups.

Hepatocellular hypertrophy in the liver together with higher liver weights was seen in animals receiving PFHS and PFOS. In the TELOMER ALCOHOL group the hepatic hypertrophy was not accompanied by increased liver weights.
This liver enlargement is most likely related to the higher enzymatic activity in metabolising a xenobiotic compound. Among males receiving PFOS this effect was rather persistent since it was still observed at the end of the 4-week drug-free period.

Minimal to slight exocrine apoptosis/single cell necrosis was recorded in the pancreas of males receiving TELOMER ALCOHOL for 4 weeks and had resolved after the recovery period.

Investigations of the blood showed that various parameters were slightly reduced in one or both sexes after treatment. The most characteristic decreases were:
- total protein and globulin in all dose groups;
- total cholesterol in all dose groups except for the group;
- triglycerides in the PFHS and PFOS groups;
- aspartate aminotransferase activity and prothrombin time in the , PFHS and PFOS groups.

In the majority of cases these changes were not observed anymore after a 2-week drug-free period. A possible explanation for these changes could be liver damage as the liver is involved in the synthesis and metabolism of these compounds. However, the only microscopic change noted in the liver was hepatocellular hypertrophy in the TELOMER ALCOHOL, PFHS and PFOS groups only. Moreover, it should be noted that the majority of values remained within the range of values that can be expected for animals of this age and strain.
Changes in clinical biochemistry parameters noted after 4 weeks of recovery but not after 2 weeks were considered to have occurred by chance. At this time point in the study it seems very unlikely that they represent an effect of treatment.

Fluctuations in electrolyte levels were seen at all time points in all dose groups. Moreover, urea levels and kidney weights were increased after treatment in females receiving PFOS. However, in the absence of evidence of renal dysfunction at microscopic level these changes are considered to be of little toxicological relevance.

Haematological examination revealed slightly decreased red blood cell counts, haemoglobin and/or haematocrit values in animals treated with TELOMER ALCOHOL, TELOMER ACRYLATE, PFHS and PFOS. However, since the effects were slight in nature and no further evidence of an anaemic response was obtained at macroscopic or microscopic level, the toxicological relevance of these findings is doubted. Other haematological changes noted were not supported by corresponding signs of toxicity and again the toxicological impact is considered to be of little relevance also because the values were within the range of historical data.

An effect on body weight and food consumption was most pronounced among females receiving PFOS. This effect lasted until the end of the recovery period. Body weights of females receiving TELOMER ACRYLATE were slightly reduced at the end of treatment. Other effects on body weight gain and food consumption were mainly seen at the end of the recovery period and therefore no toxicological relevance is attached to these findings.

Clinical signs such as a hunched posture, piloerection and/or rales were observed incidentally in all five dose groups in a few animals only. At this low incidence and the severity observed these symptoms are considered not to represent a clear indication of toxicity.

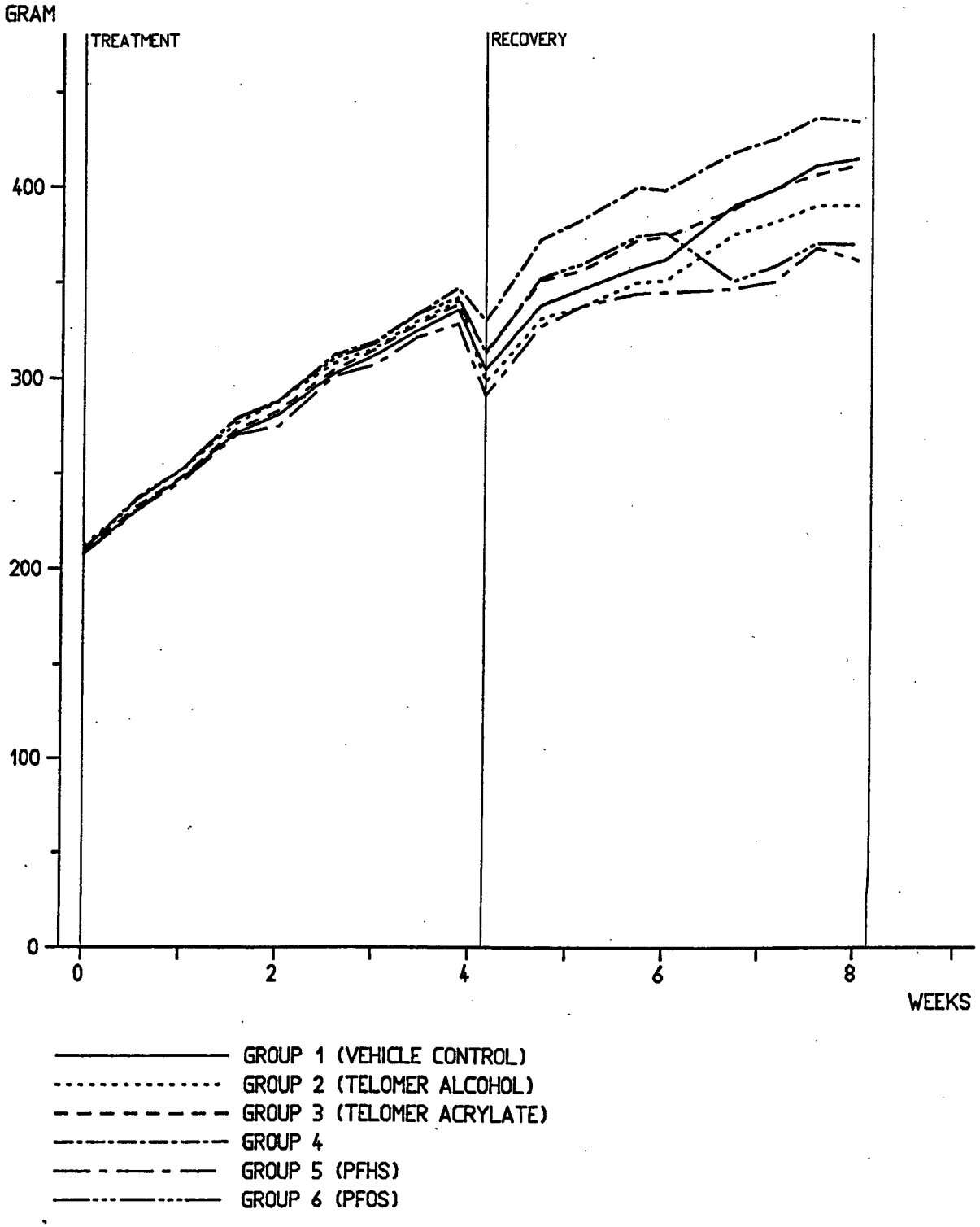
From the results presented in this report it can be concluded that the positive control compound PFOS dosed at 3 mg/kg/day was indeed the compound with the most striking and persistent effects, mainly in the liver. Compounds with comparable but less severe effects as PFOS included PFHS (10 mg/kg/day) and TELOMER ALCOHOL (30 mg/kg/day).
Despite slightly reduced body weights in females (TELOMER ACRYLATE only) and some slight changes in the blood after treatment, 30 mg/kg TELOMER ACRYLATE or per day did not result in clear systemic toxicity and organ dysfunction at macroscopic or microscopic level.

FIGURES

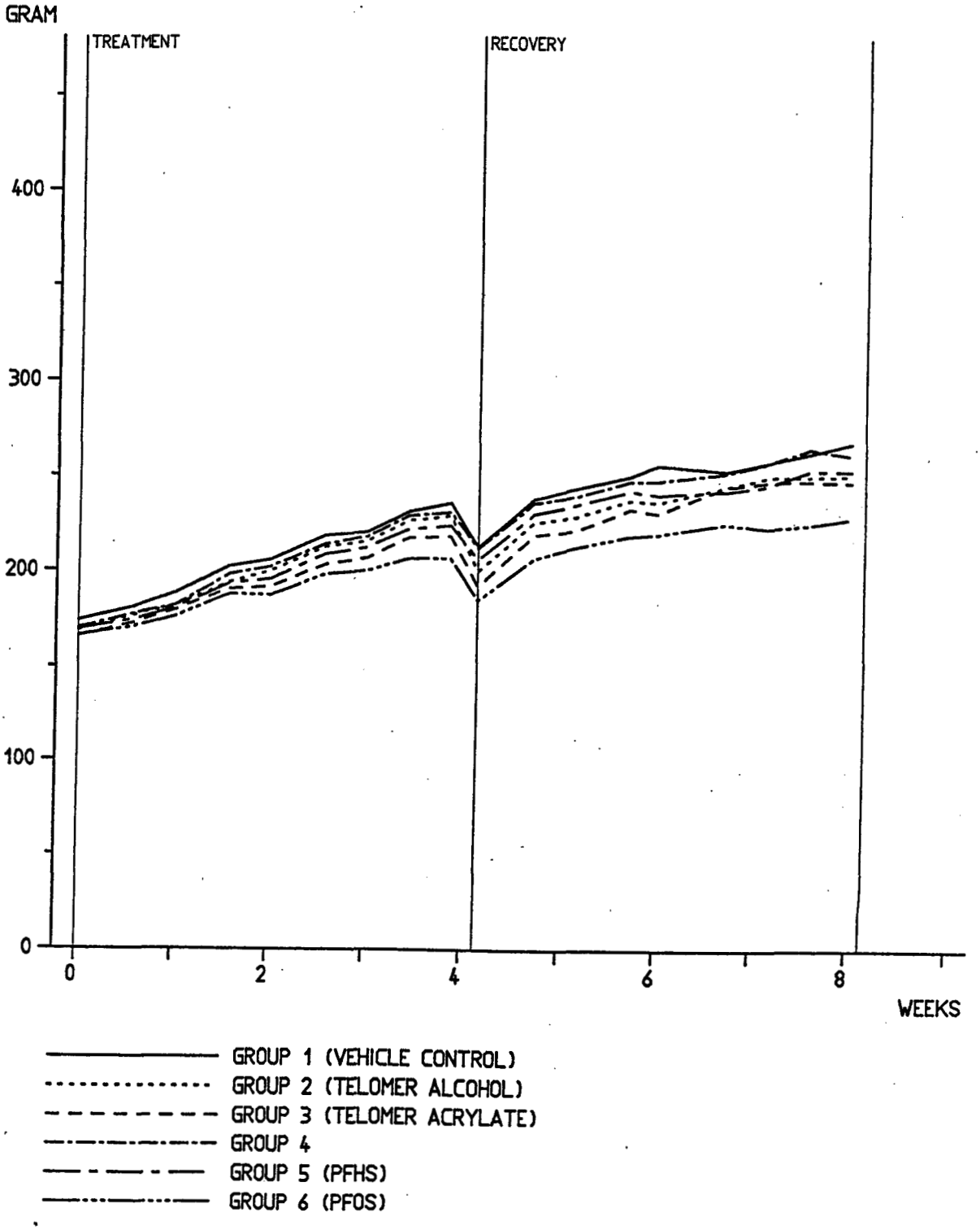
NOTOX Project 242933

BW-SPLT - 1
08-DEC-98

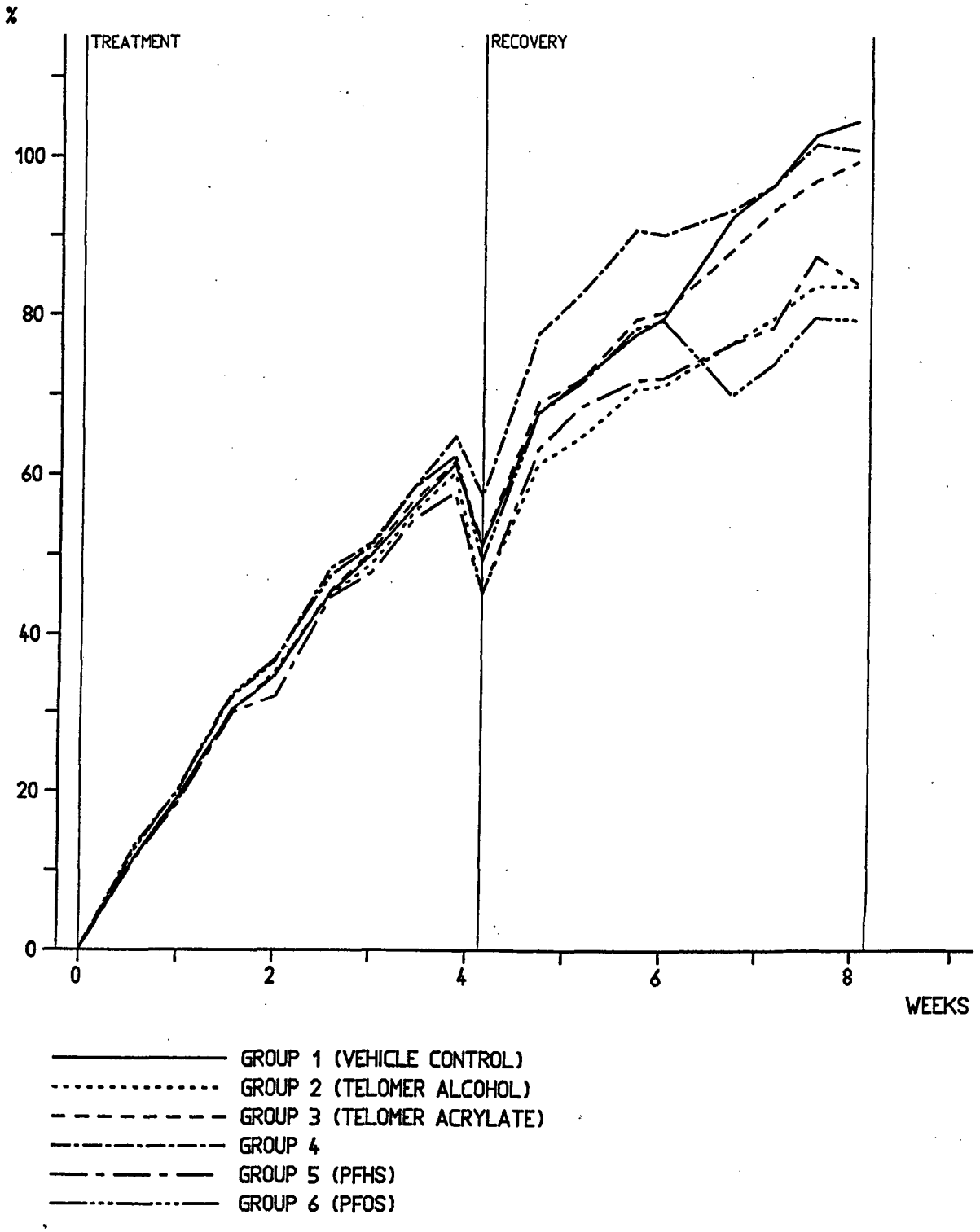
BODY WEIGHTS
MALES



BODY WEIGHTS
FEMALES



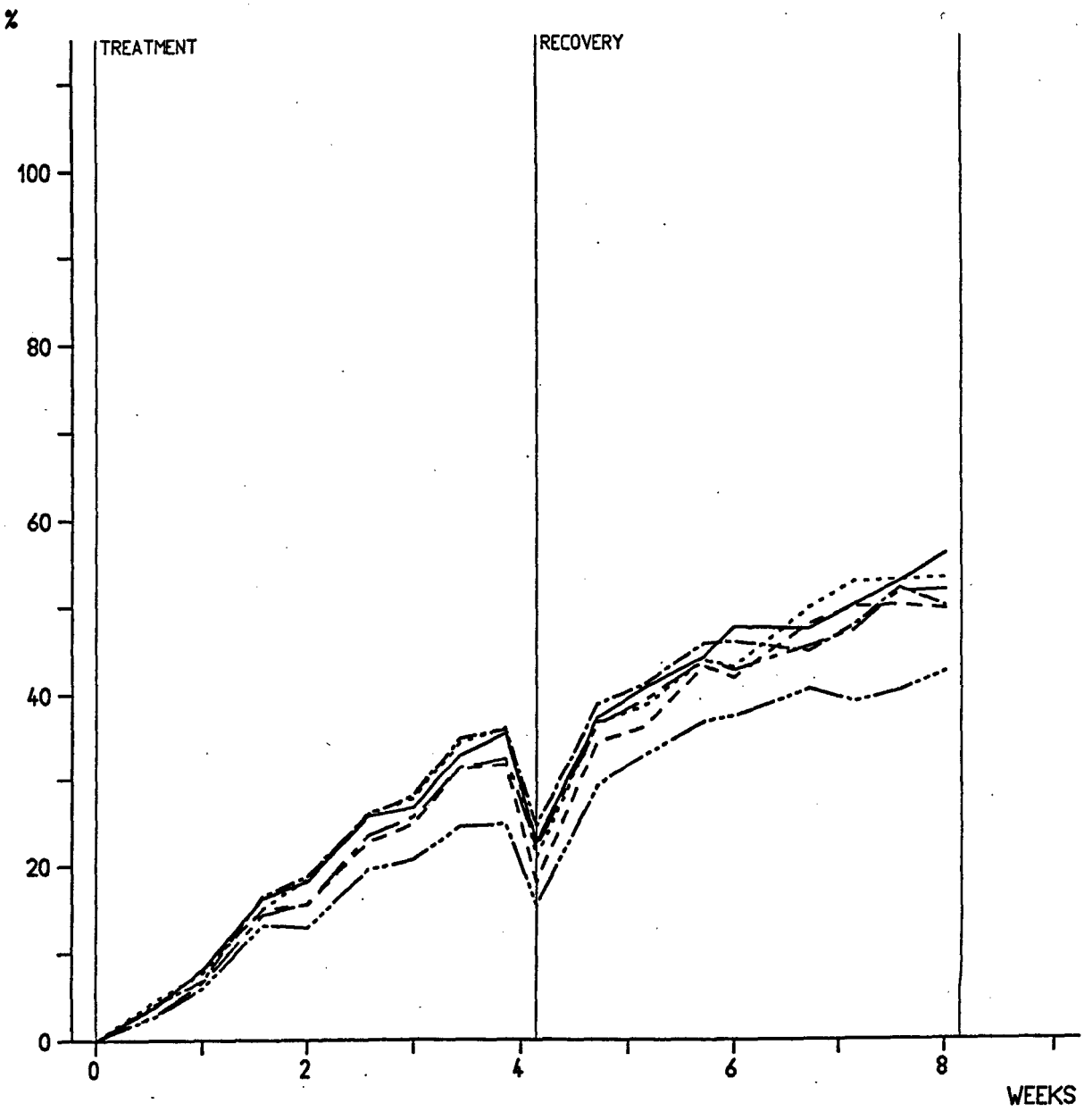
BODY WEIGHT GAIN
MALES



NOTOX Project 242933

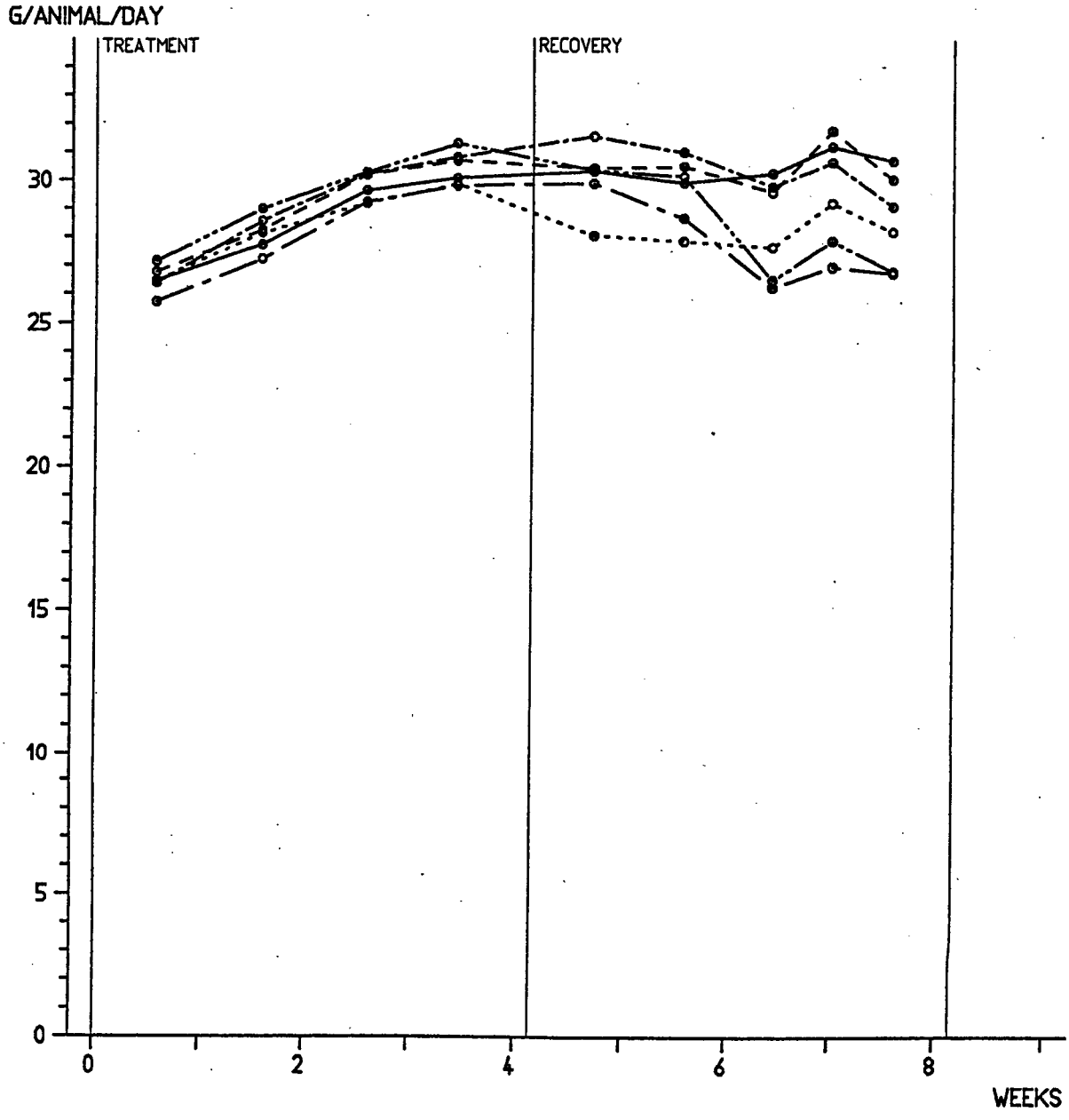
BWG-SPLT - 2
08-DEC-98

BODY WEIGHT GAIN
FEMALES

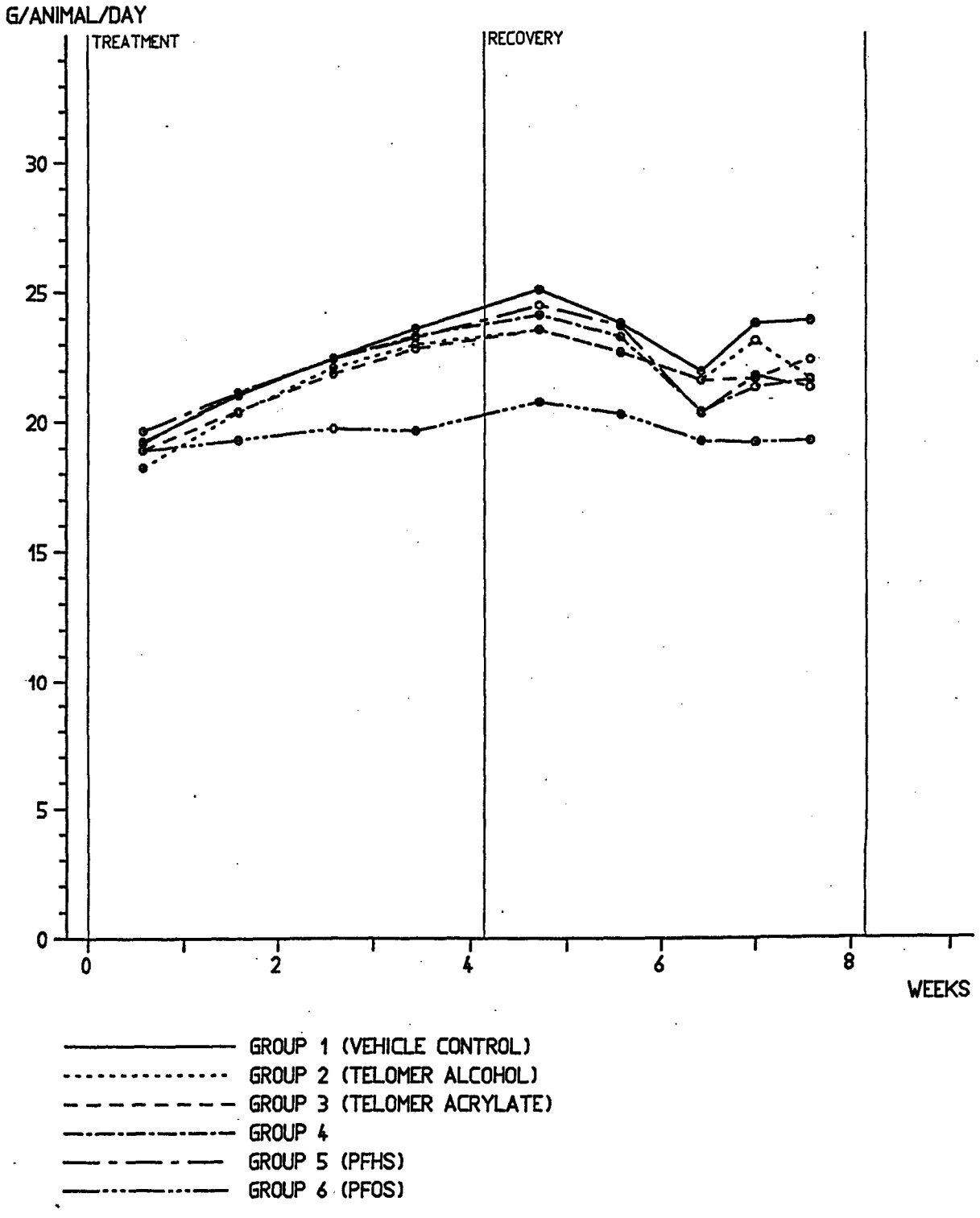


GROUP 1 (VEHICLE CONTROL)
GROUP 2 (TELOMER ALCOHOL)
GROUP 3 (TELOMER ACRYLATE)
GROUP 4
GROUP 5 (PFHS)
GROUP 6 (PFOS)

FOOD CONSUMPTION
MALES



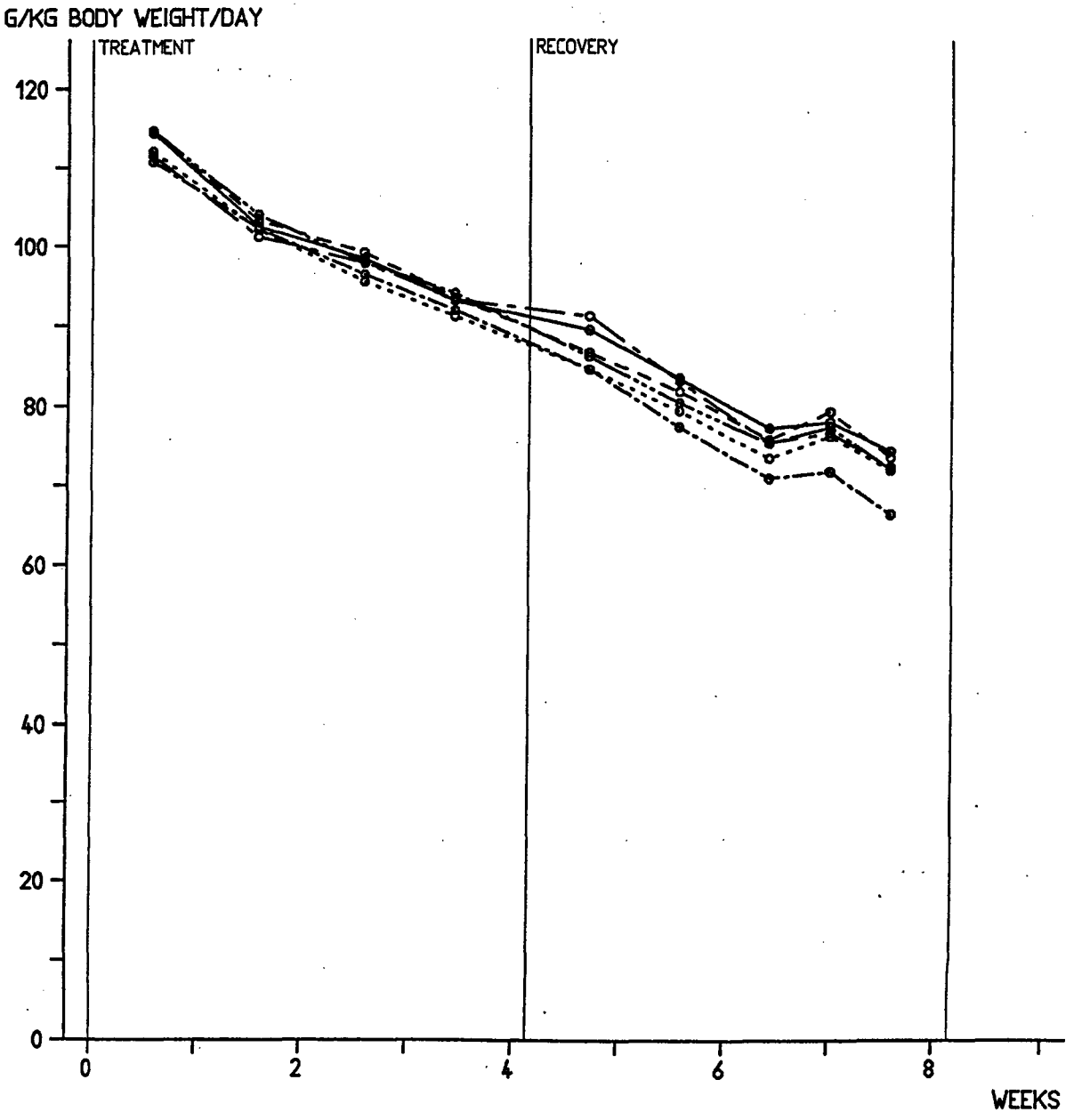
FOOD CONSUMPTION
FEMALES



NOTOX Project 242933

RFC-SPLT - 1
01-MAR-99

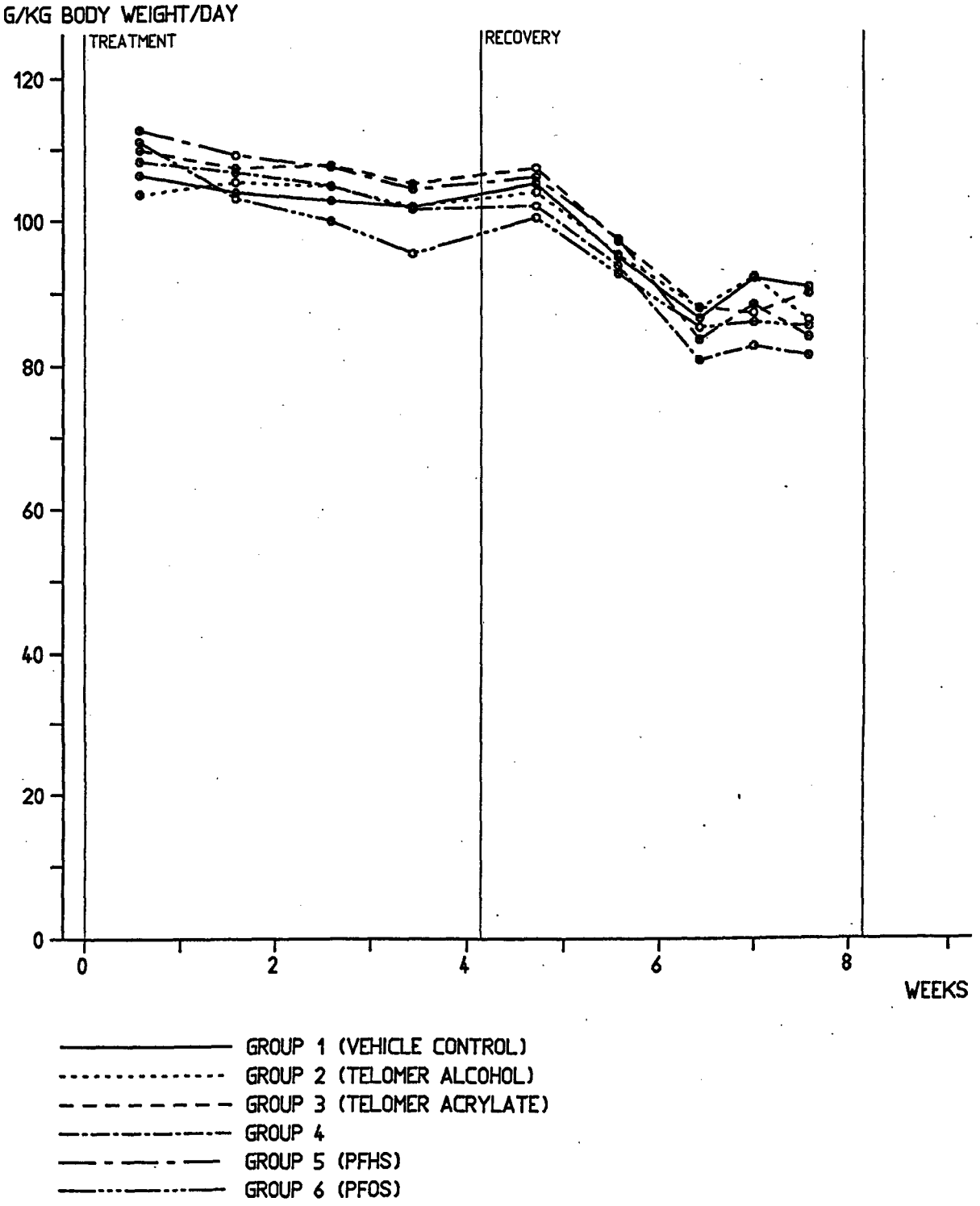
RELATIVE FOOD CONSUMPTION
MALES



NOTOX Project 242933

RFC-SPLT - 2
01-MAR-99

RELATIVE FOOD CONSUMPTION
FEMALES



TABLES - SUMMARY DATA

CLINICAL SIGNS (SUMMARY)
MALES
GROUP 1 (VEHICLE CONTROL)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (BACK)	G:	.....1111111111.....
	%:	.....1111111111.....
ALOPECIA (3) (NECK)	G:	.....1111111111111111111.....
	%:	.....1111111111111111111.....
ALOPECIA (3) (ABDOMEN)	G:	.....11111111111111111111111111111111111111..
	%:	.....11111111111111111111111111111111111111..
ALOPECIA (3) (CHEST)	G:	..11.....
	%:	..11.....
ALOPECIA (3) (FORELEG LEFT)	G:	...12222222222111111111111111111111111111.....
	%:	...11111111111111111111111111111111111111.....
ALOPECIA (3) (HINDLEG LEFT)	G:	.....1111111111111331111111111111.....
	%:	.....1111111111111111111111111111.....
ALOPECIA (3) (HINDLEG RIGHT)	G:	.....11111111111111111111111111111111111.....
	%:	.....11111111111111111111111111111111111.....
SCABS (3) (NECK)	G:	.....1111111111111111111111111.....
	%:	.....1111111111111111111111111.....
VARIOUS		
BULGING EYE (1) (EYE RIGHT)	G:	.....
	%:	.....
DARK (3) (EYE RIGHT)	G:	.....
	%:	.....

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY (SUMMARY)
MALES
GROUP 1 (VEHICLE CONTROL)

SIGN (MAX.GRADE) LOCATION	RECOVERY WEEKS: 1.....2.....3.....4.....5.
SKIN / FUR / PLUMAGE	
ALOPECIA (3)	G: .....12222222.....
(CHEST)	%: .....22222222.....
VARIOUS	
BULGING EYE (1)	G: 11.....
(EYE RIGHT)	%: 12.....
DARK (3)	G: 11.....
(EYE RIGHT)	%: 12.....

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

CLINICAL SIGNS (SUMMARY)
MALES
GROUP 2 (TELOMER ALCOHOL)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
BREATHING		
RALES (3)	G:	111
	%:	111
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (CHEEK RIGHT)	G:	.....111111111.....
	%:	.....111111111.....
ALOPECIA (3) (NECK)	G:	.....11111.....
	%:	.....11111.....
ALOPECIA (3) (ABDOMEN)	G:	1111111111111111111111111111111111111111111111111
	%:	1111111111111111111111111111111111111111111111111
ALOPECIA (3) (SHOULDER LEFT)	G:	.....11.....
	%:	.....11.....
ALOPECIA (3) (FORELEG LEFT)	G:	.....1111111.....
	%:	.....1111111.....
SCABS (3) (SNOUT)	G:	1
	%:	1
SCABS (3) (BACK)	G:	.....1.....
	%:	.....1.....
SCABS (3) (NECK)	G:	.....11.....1111.....
	%:	.....11.....1111.....
WOUND (3) (GENITAL REGION)	G:	.....1.....
	%:	.....1.....
RED STAINING (3) (PERIORBITAL REGION LEFT)	G:	
	%:	
RED STAINING (3) (PERIORBITAL REGION RIGHT)	G:	
	%:	

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY (SUMMARY)
MALES
GROUP 2 (TELOMER ALCOHOL)

SIGN (MAX.GRADE) / LOCATION		RECOVERY WEEKS: 1.....2.....3.....4.....5.
BREATHING		
RALES (3)	G:	1111111111111111..1111.....
	%:	1222222222222223..3333.....
SKIN / FUR / PLUMAGE		
ALOPECIA (3)	G:	11111.....
(ABDOMEN)	%:	12222.....
SCABS (3)	G:	11.....
(SNOUT)	%:	12.....
RED STAINING (3)	G:	.....111.....
(PERIORBITAL REGION LEFT)	%:	.....222.....
RED STAINING (3)	G:	.....1.....
(PERIORBITAL REGION RIGHT)	%:	.....2.....

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

BACK TO MAIN

CLINICAL SIGNS (SUMMARY)
MALES
GROUP 3 (TELOMER ACRYLATE)

TREATMENT

SIGN (MAX.GRADE)		WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (NECK)	G:	.....111111.....
	%:	.....111111.....
ALOPECIA (3) (FLANK LEFT)	G:	1111222111111111111.....
	%:	1111111111111111111.....
ALOPECIA (3) (CHEST)	G:	11122222221111111111111111111111111.....
	%:	11111111111111111111111111111111111.....
ALOPECIA (3) (FORELEG RIGHT)	G:	11122222221111111111.....
	%:	11111111111111111111.....
SCABS (3) (BACK)	G:	.....11...1111.....
	%:	.....11...1111.....
SCABS (3) (TAIL)	G:	.....1111111111111..
	%:	.....1111111111111..
RED STAINING (3) (NECK)	G:	.....
	%:	.....

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY (SUMMARY)
MALES
GROUP 3 (TELOMER ACRYLATE)

SIGN (MAX.GRADE) / LOCATION	RECOVERY WEEKS: 1.....2.....3.....4.....5.
SKIN / FUR / PLUMAGE	
RED STAINING (3) (NECK)	G: .....111111.
	%: .....333333.

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

BACK TO MAIN

CLINICAL SIGNS (SUMMARY)
MALES
GROUP 4

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
SKIN / FUR / PLUMAGE		
ALOPECIA (3)	G:	.....
(EYE RIGHT)	%:	.....
ALOPECIA (3)	G:	.....11...
(FORELEG RIGHT)	%:	.....11...
SCABS (3)	G:	.....111111111111.....
(NECK)	%:	.....111111111111.....
RED STAINING (3)	G:	.....11111.....
(PERIORBITAL REGION LEFT)	%:	.....11111.....
VARIOUS		
EYE RIGHT, INJURED (1)	G:	.....
	%:	.....
DEHYDRATED (3)	G:	.....
(EYE RIGHT)	%:	.....
BULGING EYE (1)	G:	.....
(EYE RIGHT)	%:	.....
DARK (3)	G:	.....
(EYE RIGHT)	%:	.....

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY (SUMMARY)
MALES
GROUP 4

SIGN (MAX.GRADE) / LOCATION		RECOVERY WEEKS: 1.....2.....3.....4.....5.
SKIN / FUR / PLUMAGE		
ALOPECIA (3)	G:	.....1111111111111111.
(EYE RIGHT)	%:	.....2223333333333333.
VARIOUS		
EYE RIGHT, INJURED (1)	G:	11111111111111111111111111111.
	%:	12222222222222233333333333333.
DEHYDRATED (3)	G:	.22222.....
(EYE RIGHT)	%:	.22222.....
BULGING EYE (1)	G:	111111.....
(EYE RIGHT)	%:	122222.....
DARK (3)	G:	111111.....
(EYE RIGHT)	%:	232222.....

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

BACK TO MAIN

CLINICAL SIGNS (SUMMARY)
MALES
GROUP 5 (PFHS)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
POSTURE		
HUNCHED POSTURE (1)	G:	1111
	%:	1111
SKIN / FUR / PLUMAGE		
WOUND (3) (BACK)	G:	.....111.....
	%:	.....111.....
RED STAINING (3) (EAR LEFT)	G:	.....11111111111.....
	%:	.....11111111111.....
RED STAINING (3) (SNOUT)	G:	.....11....
	%:	.....11....
RED STAINING (3) (NECK)	G:	.....
	%:	.....
RED STAINING (3) (CERVICAL REGION)	G:	.....
	%:	.....
VARIOUS		
DARK (3) (EYE RIGHT)	G:	.....
	%:	.....

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY (SUMMARY)
MALES
GROUP 5 (PFHS)

SIGN (MAX.GRADE) / LOCATION	RECOVERY WEEKS: 1.....2.....3.....4.....5.
POSTURE	
HUNCHED POSTURE (1)	G: 11..... %: 12.....
SKIN / FUR / PLUMAGE	
RED STAINING (3) (NECK)	G: .....11..... %: .....22.....
RED STAINING (3) (CERVICAL REGION)	G: .....11111111111111111. %: .....22222233333333333.
VARIOUS	
DARK (3) (EYE RIGHT)	G: 11..... %: 12.....

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

CLINICAL SIGNS (SUMMARY)
MALES
GROUP 6 (PFOS)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
SKIN / FUR / PLUMAGE		
SWELLING (3)	G:	.....111111..
(ABDOMEN)	%:	.....111111..
ALOPECIA (3)	G:	.....11111111111111.....
(CHEEK LEFT)	%:	.....11111111111111.....
SCABS (3)	G:	.....1111111.....
(NECK)	%:	.....1111111.....
RED STAINING (3)	G:	.....
(HEAD)	%:	.....

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY (SUMMARY)
MALES
GROUP 6 (PFOS)

SIGN (MAX.GRADE) LOCATION	RECOVERY WEEKS: 1.....2.....3.....4.....5.
SKIN / FUR / PLUMAGE	
RED STAINING (3) (HEAD)	G: .....111111111.
	%: .....333333333.

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

CLINICAL SIGNS (SUMMARY)
FEMALES
GROUP 1 (VEHICLE CONTROL)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
SKIN / FUR / PLUMAGE		
ALOPECIA (3)	G:	.....
(GENERAL)	%:	.....
ALOPECIA (3)	G:	.....
(CHEEK LEFT)	%:	.....
ALOPECIA (3)	G:	.....111111111.....
(BACK)	%:	.....111111111.....
ALOPECIA (3)	G:	.....
(NECK)	%:	.....
ALOPECIA (3)	G:	11112222111111111111111111111111111111111111111111111111111111
(ABDOMEN)	%:	11111111111111111111111111111111111111111111111111111111111111
ALOPECIA (3)	G:	111111111111111111
(FLANK LEFT)	%:	111111111111111111
ALOPECIA (3)	G:	.....11111111111111.11111111111111111111111111111111
(FLANK RIGHT)	%:	.....11111111111111.11111111111111111111111111111111
ALOPECIA (3)	G:	.....1111111111111111111.....
(SHOULDER LEFT)	%:	.....1111111111111111111.....
ALOPECIA (3)	G:	...11111111111.....111111111.....
(THIGH HIND LEFT)	%:	...11111111111.....111111111.....
ALOPECIA (3)	G:	11111111111111.....111111111111111.....111
(THIGH HIND RIGHT)	%:	11111111111111.....111111111111111.....111
ALOPECIA (3)	G:	.....111111111111111.....
(HINDLEG LEFT)	%:	.....111111111111111.....
SCABS (3)	G:	1111111
(ABDOMEN)	%:	1111111
WOUND (3)	G:	.....1.....
(ABDOMEN)	%:	.....1.....
SECRETION / EXCRETION		
SALIVATION (3)	G:	.....1.....
	%:	.....1.....
VARIOUS		
MISSING (1)	G:	.....11111111111111111111111111111..
(TAIL APEX)	%:	.....11111111111111111111111111111..

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY (SUMMARY)
FEMALES
GROUP 1 (VEHICLE CONTROL)

SIGN (MAX.GRADE) / LOCATION	RECOVERY WEEKS: 1.....2.....3.....4.....5.	
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (GENERAL)	G:	11111111111
	%:	33333333333
ALOPECIA (3) (CHEEK LEFT)	G:	.....11.....
	%:	.....33.....
ALOPECIA (3) (BACK)	G:	......11111111111.....
	%:	......22222222233.....
ALOPECIA (3) (NECK)	G:	.....1111.....
	%:	.....2222.....
ALOPECIA (3) (ABDOMEN)	G:	......11111111111.....
	%:	......22222222233.....
ALOPECIA (3) (FLANK LEFT)	G:	11111111111111111.....
	%:	12222222222222233.....
ALOPECIA (3) (FLANK RIGHT)	G:	11122222222222222.....
	%:	12222222333322233.....
ALOPECIA (3) (THIGH HIND LEFT)	G:	...111111111111.....
	%:	...222222222222.....
ALOPECIA (3) (THIGH HIND RIGHT)	G:	111111111111111.....
	%:	122222222222222.....
SCABS (3) (ABDOMEN)	G:	...1111111111.....
	%:	...2222222222.....

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

CLINICAL SIGNS (SUMMARY)
FEMALES
GROUP 2 (TELOMER ALCOHOL)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
SKIN / FUR / PLUMAGE		
ALOPECIA (3)	G:	.....
(HEAD)	%:	.....
ALOPECIA (3)	G:	.....1111111111.....
(CHEEK LEFT)	%:	.....1111111111.....
ALOPECIA (3)	G:	11
(CHEEK RIGHT)	%:	11
ALOPECIA (3)	G:	11111
(BACK)	%:	11111
ALOPECIA (3)	G:	1111111111111111.....1.....
(NECK)	%:	1111111111111111.....1.....
ALOPECIA (3)	G:	.....1111111112..
(FORELEGS)	%:	.....1111111111..
SCALES (3)	G:	.....
(CHEEK LEFT)	%:	.....
SCALES (3)	G:	.....
(CHEEK RIGHT)	%:	.....
SCABS (3)	G:	.....11.....
(FLANK LEFT)	%:	.....11.....
RED STAINING (3)	G:	.....11.....
(EAR RIGHT)	%:	.....11.....

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY (SUMMARY)
FEMALES
GROUP 2 (TELOMER ALCOHOL)

SIGN (MAX.GRADE) LOCATION	RECOVERY WEEKS: 1.....2.....3.....4.....5.
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (HEAD)	G: .....2222211.....
	%: .....2222222.....
ALOPECIA (3) (CHEEK LEFT)	G: .1112222222222.....
	%: .2222333333333.....
ALOPECIA (3) (CHEEK RIGHT)	G: ....1222222222.....
	%: ....3333333333.....
SCALES (3) (CHEEK LEFT)	G: .....1111111.....
	%: .....2222222.....
SCALES (3) (CHEEK RIGHT)	G: .....1111111.....
	%: .....2222222.....

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

BACK TO MAIN

CLINICAL SIGNS (SUMMARY)
FEMALES
GROUP 3 (TELOMER ACRYLATE)

TREATMENT

SIGN (MAX.GRADE)		WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
POSTURE		
HUNCHED POSTURE (1)	G:	.....1111111111111.....1111111
	%:	.....1111111111111.....1111111
SKIN / FUR / PLUMAGE		
PILOERECTION (1)	G:	.....
	%:	.....
ALOPECIA (3) (ABDOMEN)	G:	11112222111111111111111111111112122222211111111111111111111
	%:	11111111111122221111111111333211111111222222322222221111
ALOPECIA (3) (CHEST)	G:	.....11111111111.....
	%:	.....11111111111.....
ALOPECIA (3) (SHOULDER LEFT)	G:	.....1111111.....
	%:	.....1111111.....
FISSURES WITH BLEEDINGS (3) (PAW HIND RIGHT)	G:	.....11.....
	%:	.....11.....
SCABS (3) (BACK)	G:	11
	%:	11
SCABS (3) (NECK)	G:	111111
	%:	111111
RED STAINING (3) (HEAD)	G:	.....111.....1111111..
	%:	.....111.....1111111..
RED STAINING (3) (BACK)	G:	.....111111.....
	%:	.....111111.....
RED STAINING (3) (NECK)	G:	.....1111111111111.....1111.....
	%:	.....1111111111111.....1111.....
RED STAINING (3) (PAW HIND RIGHT)	G:	.....11111111111111..
	%:	.....11111111111111..

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY (SUMMARY)
FEMALES
GROUP 3 (TELOMER ACRYLATE)

SIGN (MAX.GRADE) / LOCATION	RECOVERY WEEKS: 1.....2.....3.....4.....5.	
POSTURE		
HUNCHED POSTURE (1)	G:	11111111111111.....
	%:	23333332222222.....
SKIN / FUR / PLUMAGE		
PILOERECTION (1)	G:	.1111.....
	%:	.2222.....
ALOPECIA (3)	G:	11111111111111.....
(ABDOMEN)	%:	12222222222222.....
RED STAINING (3)	G:	11
(HEAD)	%:	77

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

CLINICAL SIGNS (SUMMARY)
FEMALES
GROUP 4

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
POSTURE		
HUNCHED POSTURE (1)	G:	1111111111111111111111111111
	%:	1111111111111111111111111111
SKIN / FUR / PLUMAGE		
SWELLING (3)	G:	.....1111111111111.....
(EAR RIGHT)	%:	.....1111111111111.....
ALOPECIA (3)	G:	.....111111111111...1111111111111....1111111..
(BACK)	%:	.....111111111111...1111111111111....1111111..
ALOPECIA (3)	G:	11111111111111111111111111111111111111
(NECK)	%:	11111111111111111111111111122222222
ALOPECIA (3)	G:	22222222222222222222222222221111
(THROAT REGION)	%:	11111111111111111111111111111111111
SCALES (3)	G:	.....1111111111111.....
(THROAT REGION)	%:	.....1111111111111.....
SCABS (3)	G:	.....
(NECK)	%:	.....
RED STAINING (3)	G:	.....
(EYE RIGHT)	%:	.....
RED STAINING (3)	G:	.....
(PERIORBITAL REGION RIGHT)	%:	.....
RED STAINING (3)	G:	.....111111111.....
(EAR LEFT)	%:	.....111111111.....
RED STAINING (3)	G:	11111111111111111111111111111111111111111
(EAR RIGHT)	%:	11111111111111111111111111111111112211111111
SECRETION / EXCRETION		
WATERY DISCHARGE FROM EYE (3)	G:	.....
(EYE RIGHT)	%:	.....

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY (SUMMARY)
FEMALES
GROUP 4

SIGN (MAX.GRADE) / LOCATION		RECOVERY WEEKS: 1.....2.....3.....4.....5.
SKIN / FUR / PLUMAGE		
SCABS (3)	G:	.....1.
(NECK)	%:	.....3.
RED STAINING (3)	G:	...11.....
(EYE RIGHT)	%:	...22.....
RED STAINING (3)	G:	.....11.....1111.....
(PERIORBITAL REGION RIGHT)	%:	.....22.....3333.....
SECRETION / EXCRETION		
WATERY DISCHARGE FROM EYE (3)	G:	.....11.....
(EYE RIGHT)	%:	.....23.....

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

CLINICAL SIGNS (SUMMARY)
FEMALES
GROUP 5 (PFHS)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
POSTURE		
HUNCHED POSTURE (1)	G:	.....1..
	%:	.....1..
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (BACK)	G:	.....11111112111111.....
	%:	.....11111111111111.....
ALOPECIA (3) (NECK)	G:	..1111111112222221111111111111111111111111112222222222222..
	%:	..1111111111111111111133333333443333222222221111111111..
ALOPECIA (3) (ABDOMEN)	G:	1111111111222222222222222222222222111111111111
	%:	1111111111111111111111111111111111111111111111111
ALOPECIA (3) (SHOULDER RIGHT)	G:	.....1..
	%:	.....1..
ALOPECIA (3) (HINDLEG RIGHT)	G:	.....
	%:	.....
SCABS (3) (NECK)	G:	1111112222111111111111222222111111111111111111111111111...
	%:	1111111111111111111111111111111111111111111111111111111...
WOUND (3) (NECK)	G:	.....11..111112222211.....
	%:	.....11..111111111111.....
SECRETION / EXCRETION		
SALIVATION (3)	G:	.....1.....
	%:	.....1.....

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY (SUMMARY)
FEMALES
GROUP 5 (PFHS)

SIGN (MAX.GRADE) / LOCATION		RECOVERY WEEKS: 1.....2.....3.....4.....5.
SKIN / FUR / PLUMAGE		
ALOPECIA (3)	G:	11
(BACK)	%:	33
ALOPECIA (3)	G:	111..11111111111111111111
(NECK)	%:	122..22222333337777777777777
ALOPECIA (3)	G:	111....11111111111111111111
(ABDOMEN)	%:	122....22222222333333333333
ALOPECIA (3)	G:	......1111.....
(HINDLEG RIGHT)	%:	......2222.....

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

CLINICAL SIGNS (SUMMARY)
FEMALES
GROUP 6 (PFOS)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
POSTURE		
HUNCHED POSTURE (1)	G:	.....11111111.....
	%:	.....11111111.....
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (ABDOMEN)	G:	.....111111111111111111111111111...111111111111
	%:	.....111111111111111111111111111...111111111111
ALOPECIA (3) (FORELEG LEFT)	G:	.....111111112..222222222222222..
	%:	.....111111111..111111111111111..
ALOPECIA (3) (FORELEG RIGHT)	G:	.....222222222..222222222222222..
	%:	.....111111111..111111111111111..
SCABS (3) (NECK)	G:	.....1111111.....
	%:	.....1111111.....
RED STAINING (3) (HEAD)	G:	.....
	%:	.....
RED STAINING (3) (EAR LEFT)	G:	.....
	%:	.....
RED STAINING (3) (EAR RIGHT)	G:	.....
	%:	.....
RED STAINING (3) (SNOUT)	G:	.....1111...
	%:	.....1111...
RED STAINING (3) (NECK)	G:	.....1111.....
	%:	.....1111.....

G: Median value of the highest individual grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY (SUMMARY)
FEMALES
GROUP 6 (PFOS)

SIGN (MAX.GRADE) LOCATION		RECOVERY WEEKS: 1.....2.....3.....4.....5.
SKIN / FUR / PLUMAGE		
ALOPECIA (3)	G:	11111.....
(ABDOMEN)	%:	12222.....
RED STAINING (3)	G:	1111111111111.....
(HEAD)	%:	12255332222233.....
RED STAINING (3)	G:	...111111111.....
(EAR LEFT)	%:	...222222222.....
RED STAINING (3)	G:	.....111.....
(EAR RIGHT)	%:	.....222.....
RED STAINING (3)	G:	.....11111.....
(NECK)	%:	.....22222.....

G: Median value of the highest individual daily grades
%: Percent of affected animals (0 = less than 5%, 1 = between 5% and 15%,..., A = more than 95%)

BODY WEIGHTS (GRAM) SUMMARY
MALES

TREATMENT			GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAY 1		MEAN	208	212	209	210	208	210
WEEK 1		ST.DEV.	14.0	13.5	9.2	9.4	13.8	10.9
		N	14	14	14	14	14	14
DAY 5		MEAN	232	237	234	238	231	237
WEEK 1		ST.DEV.	14.9	14.4	8.9	10.8	16.5	13.9
		N	14	14	14	14	14	14
DAY 8		MEAN	248	252	248	252	246	252
WEEK 2		ST.DEV.	19.8	17.6	11.8	13.2	23.4	17.8
		N	14	14	14	14	14	14
DAY 12		MEAN	272	277	273	279	270	279
WEEK 2		ST.DEV.	20.7	18.6	9.3	17.7	24.5	21.0
		N	14	14	14	14	14	14
DAY 15		MEAN	281	288	283	288	275	288
WEEK 3		ST.DEV.	25.2	22.9	10.9	19.4	26.3	25.2
		N	14	14	14	14	14	14
DAY 19		MEAN	302	308	304	312	301	310
WEEK 3		ST.DEV.	26.8	23.2	10.3	24.1	30.4	29.0
		N	14	14	14	14	14	14
DAY 22		MEAN	312	316	315	319	307	318
WEEK 4		ST.DEV.	27.4	23.6	9.5	26.5	31.9	31.4
		N	14	14	14	14	14	14
DAY 25		MEAN	324	329	328	333	321	333
WEEK 4		ST.DEV.	29.8	25.4	12.6	28.4	34.8	33.5
		N	14	14	14	14	14	14
DAY 28		MEAN	336	340	338	347	328	342
WEEK 4		ST.DEV.	29.9	27.5	13.0	31.6	37.1	33.7
		N	14	14	14	14	14	14

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BODY WEIGHTS (GRAM) SUMMARY
MALES

RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAY 1	MEAN	304	298	314	330	291	313
WEEK 1	ST.DEV.	27.9	20.2	12.4	28.2	40.4	40.4
	N	6	6	6	6	6	6
DAY 5	MEAN	338	331	351	372	327	352
WEEK 1	ST.DEV.	31.2	28.8	23.5	31.8	45.4	46.8
	N	6	6	6	6	6	6
DAY 8	MEAN	346	338	356	383	338	360
WEEK 2	ST.DEV.	32.8	28.1	20.9	35.2	46.9	46.0
	N	6	6	6	6	6	6
DAY 12	MEAN	358	350	372	400	344	374
WEEK 2	ST.DEV.	32.8	28.5	21.0	36.9	48.5	46.8
	N	6	6	6	6	6	6
DAY 14	MEAN	362	351	374	398	345	376
WEEK 2	ST.DEV.	32.4	28.6	20.8	38.0	47.6	47.6
	N	6	6	6	6	6	6
DAY 19	MEAN	391	375	389	419	347	351
WEEK 3	ST.DEV.	24.6	35.7	7.2	35.0	19.1	39.7
	N	3	3	3	3	3	3
DAY 22	MEAN	399	382	399	426	351	359
WEEK 4	ST.DEV.	24.2	33.5	5.5	37.6	19.1	38.6
	N	3	3	3	3	3	3
DAY 25	MEAN	412	391	407	437	368	371
WEEK 4	ST.DEV.	25.2	38.5	7.8	38.7	20.8	34.8
	N	3	3	3	3	3	3
DAY 28	MEAN	415	391	412	435	362	370
WEEK 4	ST.DEV.	26.7	37.1	2.6	37.6	20.8	39.3
	N	3	3	3	3	3	3

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BACK TO MAIN

BODY WEIGHTS (GRAM) SUMMARY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAY 1 WEEK 1	MEAN	174	169	166	170	169	166
	ST.DEV.	11.9	8.0	10.0	11.9	8.0	8.7
	N	14	14	14	14	14	14
DAY 5 WEEK 1	MEAN	181	176	173	177	174	171
	ST.DEV.	14.3	8.5	11.2	14.5	10.4	9.8
	N	14	14	14	14	14	14
DAY 8 WEEK 2	MEAN	188	182	179	182	180	176
	ST.DEV.	15.6	11.9	13.2	15.9	9.8	10.1
	N	14	14	14	14	14	14
DAY 12 WEEK 2	MEAN	202	194	191	198	194	188 *
	ST.DEV.	16.2	11.9	13.3	16.8	10.9	9.8
	N	14	14	14	14	14	14
DAY 15 WEEK 3	MEAN	206	200	192	202	196	187 *
	ST.DEV.	19.8	15.0	15.0	18.2	11.3	11.5
	N	14	14	14	14	14	14
DAY 19 WEEK 3	MEAN	219	213	203	214	209	198 **
	ST.DEV.	20.1	15.5	15.5	19.6	11.3	12.7
	N	14	14	14	14	14	14
DAY 22 WEEK 4	MEAN	221	216	207	218	212	200 **
	ST.DEV.	19.4	15.7	16.9	20.4	12.6	13.2
	N	14	14	14	14	14	14
DAY 25 WEEK 4	MEAN	232	227	218	230	222	207 **
	ST.DEV.	21.4	16.5	17.3	18.6	13.0	14.3
	N	14	14	14	14	14	14
DAY 28 WEEK 4	MEAN	236	230	219 *	231	224	207 **
	ST.DEV.	21.8	16.9	17.0	20.5	12.6	13.3
	N	14	14	14	14	14	14

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BODY WEIGHTS (GRAM) SUMMARY
FEMALES

RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAY 1 WEEK 1	MEAN	213	200	193	212	206	185 *
	ST.DEV.	21.9	9.9	16.2	23.9	12.8	7.0
	N	6	6	6	6	6	6
DAY 5 WEEK 1	MEAN	239	226	219	236	231	207 *
	ST.DEV.	24.1	11.3	18.2	20.3	14.4	9.5
	N	6	6	6	6	6	6
DAY 8 WEEK 2	MEAN	244	229	222	240	235	213 *
	ST.DEV.	25.1	12.7	19.9	21.1	14.1	8.6
	N	6	6	6	6	6	6
DAY 12 WEEK 2	MEAN	251	238	233	248	243	219 *
	ST.DEV.	25.8	12.3	20.2	23.0	12.8	8.2
	N	6	6	6	6	6	6
DAY 14 WEEK 2	MEAN	257	237	231	248	241	220 **
	ST.DEV.	27.3	16.7	20.6	20.0	13.6	5.5
	N	6	6	6	6	6	6
DAY 19 WEEK 3	MEAN	254	246	245	253	243	226
	ST.DEV.	27.5	13.2	26.6	29.1	12.9	11.3
	N	3	3	3	3	3	3
DAY 22 WEEK 4	MEAN	258	251	248	258	246	224
	ST.DEV.	28.0	12.9	25.3	30.3	14.5	9.8
	N	3	3	3	3	3	3
DAY 25 WEEK 4	MEAN	263	251	249	265	254	226
	ST.DEV.	28.6	10.8	25.4	31.0	17.3	10.7
	N	3	3	3	3	3	3
DAY 28 WEEK 4	MEAN	268	251	248	262	254	229
	ST.DEV.	27.8	12.7	26.0	35.5	13.2	13.0
	N	3	3	3	3	3	3

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BODY WEIGHT GAIN (%) SUMMARY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAY 1 WEEK 1	MEAN	0	0	0	0	0	0
	ST.DEV.	0.0	0.0	0.0	0.0	0.0	0.0
	N	14	14	14	14	14	14
DAY 5 WEEK 1	MEAN	12	12	12	13	11	13
	ST.DEV.	6.3	1.9	1.5	2.3	2.2	1.5
	N	14	14	14	14	14	14
DAY 8 WEEK 2	MEAN	19	19	19	20	18	20
	ST.DEV.	7.4	3.3	3.7	3.5	4.6	4.2
	N	14	14	14	14	14	14
DAY 12 WEEK 2	MEAN	31	30	31	33	30	33
	ST.DEV.	7.9	4.8	4.7	5.5	4.5	4.8
	N	14	14	14	14	14	14
DAY 15 WEEK 3	MEAN	35	36	35	37	32	37
	ST.DEV.	9.5	6.5	5.0	6.5	7.2	7.4
	N	14	14	14	14	14	14
DAY 19 WEEK 3	MEAN	45	45	45	48	45	47
	ST.DEV.	10.1	7.6	5.8	9.0	6.7	8.9
	N	14	14	14	14	14	14
DAY 22 WEEK 4	MEAN	50	49	51	52	48	51
	ST.DEV.	10.4	7.9	5.7	9.9	7.3	10.3
	N	14	14	14	14	14	14
DAY 25 WEEK 4	MEAN	56	55	57	58	54	58
	ST.DEV.	11.2	8.8	6.5	11.4	8.5	10.8
	N	14	14	14	14	14	14
DAY 28 WEEK 4	MEAN	61	60	62	65	58	62
	ST.DEV.	11.4	9.1	7.1	12.9	9.6	11.1
	N	14	14	14	14	14	14

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BODY WEIGHT GAIN (%) SUMMARY
MALES

RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAY 1	MEAN	51	45	51	57	45	49
WEEK 1	ST.DEV.	7.9	5.8	3.8	10.6	12.6	14.5
	N	6	6	6	6	6	6
DAY 5	MEAN	68	61	69	78	63	68
WEEK 1	ST.DEV.	9.7	8.7	7.4	12.3	13.9	16.5
	N	6	6	6	6	6	6
DAY 8	MEAN	72	65	72	83	69	71
WEEK 2	ST.DEV.	9.8	8.6	6.8	12.8	14.4	16.5
	N	6	6	6	6	6	6
DAY 12	MEAN	78	71	79	91	72	78
WEEK 2	ST.DEV.	9.1	8.2	7.3	14.1	15.6	16.6
	N	6	6	6	6	6	6
DAY 14	MEAN	80	71	80	90	72	79
WEEK 2	ST.DEV.	9.0	8.9	7.0	15.8	15.2	17.2
	N	6	6	6	6	6	6
DAY 19	MEAN	92	77	88	93	77	70 *
WEEK 3	ST.DEV.	6.4	13.0	7.1	5.8	7.1	5.6
	N	3	3	3	3	3	3
DAY 22	MEAN	97	80	93	97	79 *	74 *
WEEK 4	ST.DEV.	5.7	12.0	6.3	6.8	7.2	4.9
	N	3	3	3	3	3	3
DAY 25	MEAN	103	84	97	102	87	80 *
WEEK 4	ST.DEV.	6.2	14.2	6.9	7.3	9.9	2.7
	N	3	3	3	3	3	3
DAY 28	MEAN	105	84 *	99	101	84 *	80 *
WEEK 4	ST.DEV.	6.5	13.5	6.1	7.6	8.1	4.5
	N	3	3	3	3	3	3

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BODY WEIGHT GAIN (%) SUMMARY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAY 1	MEAN	0	0	0	0	0	0
WEEK 1	ST.DEV.	0.0	0.0	0.0	0.0	0.0	0.0
	N	14	14	14	14	14	14
DAY 5	MEAN	4	5	4	4	3	3
WEEK 1	ST.DEV.	2.7	2.5	2.3	2.3	3.2	3.4
	N	14	14	14	14	14	14
DAY 8	MEAN	8	8	8	7	7	6
WEEK 2	ST.DEV.	3.2	3.9	2.6	3.2	2.9	2.7
	N	14	14	14	14	14	14
DAY 12	MEAN	16	15	15	17	14	13
WEEK 2	ST.DEV.	4.3	4.2	2.9	3.5	3.4	4.0
	N	14	14	14	14	14	14
DAY 15	MEAN	18	18	16	19	16	13 *
WEEK 3	ST.DEV.	5.5	5.8	4.3	4.2	3.7	4.6
	N	14	14	14	14	14	14
DAY 19	MEAN	26	26	23	26	23	19 *
WEEK 3	ST.DEV.	5.6	5.8	5.3	4.2	3.9	6.4
	N	14	14	14	14	14	14
DAY 22	MEAN	27	28	25	28	26	21 *
WEEK 4	ST.DEV.	4.5	5.5	6.2	4.6	4.5	6.9
	N	14	14	14	14	14	14
DAY 25	MEAN	33	34	31	35	31	24 **
WEEK 4	ST.DEV.	6.7	5.8	5.6	3.9	4.3	7.3
	N	14	14	14	14	14	14
DAY 28	MEAN	36	36	32	36	33	25 **
WEEK 4	ST.DEV.	6.7	7.0	4.8	4.5	4.9	7.5
	N	14	14	14	14	14	14

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BODY WEIGHT GAIN (%) SUMMARY
FEMALES

RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAY 1	MEAN	23	21	18	25	22	15
WEEK 1	ST.DEV.	5.7	3.7	7.7	4.4	5.0	6.1
	N	6	6	6	6	6	6
DAY 5	MEAN	37	37	35	39	37	29
WEEK 1	ST.DEV.	6.4	4.6	9.5	3.7	6.1	7.7
	N	6	6	6	6	6	6
DAY 8	MEAN	41	39	36	41	39	33
WEEK 2	ST.DEV.	7.0	5.4	9.9	5.7	6.2	7.3
	N	6	6	6	6	6	6
DAY 12	MEAN	44	44	43	46	44	37
WEEK 2	ST.DEV.	7.2	4.8	9.8	6.1	7.2	7.2
	N	6	6	6	6	6	6
DAY 14	MEAN	48	43	42	46	43	37
WEEK 2	ST.DEV.	8.8	7.8	9.8	4.6	8.5	5.9
	N	6	6	6	6	6	6
DAY 19	MEAN	47	50	48	45	45	41
WEEK 3	ST.DEV.	12.5	7.0	4.8	5.1	8.6	10.3
	N	3	3	3	3	3	3
DAY 22	MEAN	50	53	50	48	47	39
WEEK 4	ST.DEV.	12.1	6.7	6.2	3.7	9.5	9.5
	N	3	3	3	3	3	3
DAY 25	MEAN	53	53	50	52	52	40
WEEK 4	ST.DEV.	12.7	5.4	3.8	2.8	7.6	10.0
	N	3	3	3	3	3	3
DAY 28	MEAN	56	53	50	50	52	42
WEEK 4	ST.DEV.	13.8	6.2	3.0	5.6	8.8	11.5
	N	3	3	3	3	3	3

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BACK TO MAIN

FOOD CONSUMPTION (G/ANIMAL/DAY) SUMMARY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAYS 1-8	MEAN	26	26	27	26	26	27
WEEKS 1/2	ST.DEV.	2.1	1.9	1.0	1.0	2.4	0.9
	N (CAGE)	4	4	4	4	4	4
DAYS 8-15	MEAN	28	28	28	29	27	29
WEEKS 2/3	ST.DEV.	2.7	2.4	0.9	0.6	2.1	1.6
	N (CAGE)	4	4	4	4	4	4
DAYS 15-22	MEAN	30	29	30	30	29	30
WEEKS 3/4	ST.DEV.	3.3	1.3	1.5	2.3	1.2	2.7
	N (CAGE)	4	4	4	4	4	4
DAYS 22-28	MEAN	30	30	31	31	30	31
WEEK 4	ST.DEV.	2.3	1.5	1.1	2.4	1.6	3.0
	N (CAGE)	4	4	4	4	4	4

MEAN OF MEANS OVER TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
	MEAN	28	28	29	29	28	29

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BACK TO MAIN

FOOD CONSUMPTION (G/ANIMAL/DAY) SUMMARY
MALES

RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAYS 1-8	MEAN	30	28	30	32	30	30
WEEKS 1/2	ST.DEV.	2.5	2.0	1.8	1.4	0.8	3.7
	N (CAGE)	2	2	2	2	2	2
DAYS 8-14	MEAN	30	28	31	31	29	30
WEEK 2	ST.DEV.	1.8	1.8	1.4	2.0	1.2	4.0
	N (CAGE)	2	2	2	2	2	2
DAYS 14-19	MEAN	30	28	30	30	26	27
WEEKS 2/3	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1
DAYS 19-22	MEAN	31	29	32	31	27	28
WEEKS 3/4	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1
DAYS 22-28	MEAN	31	28	30	29	27	27
WEEK 4	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1

MEAN OF MEANS OVER RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
	MEAN	30	28	30	30	28	28

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

FOOD CONSUMPTION (G/ANIMAL/DAY) SUMMARY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAYS 1-8	MEAN	19	18	19	19	20	19
WEEKS 1/2	ST.DEV.	0.7	1.2	1.2	0.6	1.6	1.9
	N (CAGE)	4	4	4	4	4	4
DAYS 8-15	MEAN	21	20	20	21	21	19
WEEKS 2/3	ST.DEV.	0.5	0.5	1.1	0.8	1.4	0.8
	N (CAGE)	4	4	4	4	4	4
DAYS 15-22	MEAN	22	22	22	22	22	20 *
WEEKS 3/4	ST.DEV.	1.3	0.8	1.2	1.1	1.3	1.0
	N (CAGE)	4	4	4	4	4	4
DAYS 22-28	MEAN	24	23	23	23	23	20 **
WEEK 4	ST.DEV.	1.2	0.7	1.3	0.5	0.7	0.5
	N (CAGE)	4	4	4	4	4	4

MEAN OF MEANS OVER TREATMENT	GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
MEAN	22	21	21	21	22	19

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BACK TO MAIN

FOOD CONSUMPTION (G/ANIMAL/DAY) SUMMARY
FEMALES

RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAYS 1-8	MEAN	25	24	24	24	24	21 **
WEEKS 1/2	ST.DEV.	0.4	1.0	1.2	1.1	0.6	0.2
	N (CAGE)	2	2	2	2	2	2
DAYS 8-14	MEAN	24	23	23	23	24	20 *
WEEK 2	ST.DEV.	0.2	1.1	0.8	1.2	0.6	0.3
	N (CAGE)	2	2	2	2	2	2
DAYS 14-19	MEAN	22	22	22	20	20	19
WEEKS 2/3	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1
DAYS 19-22	MEAN	24	23	22	21	22	19
WEEKS 3/4	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1
DAYS 22-28	MEAN	24	22	22	22	21	19
WEEK 4	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1

MEAN OF MEANS OVER RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
	MEAN	24	23	22	22	22	20

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BACK TO MAIN

RELATIVE FOOD CONSUMPTION SUMMARY
(G/KG BODY WEIGHT/DAY)
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAYS 1-8	MEAN	114	112	115	111	112	115
WEEKS 1/2	ST.DEV.	8.7	3.6	3.8	2.9	7.1	3.7
	N (CAGE)	4	4	4	4	4	4
DAYS 8-15	MEAN	103	102	103	102	101	104
WEEKS 2/3	ST.DEV.	9.3	3.3	2.0	2.3	2.6	1.9
	N (CAGE)	4	4	4	4	4	4
DAYS 15-22	MEAN	99	96	99	96	98	98
WEEKS 3/4	ST.DEV.	11.1	4.5	5.2	5.9	5.5	6.8
	N (CAGE)	4	4	4	4	4	4
DAYS 22-28	MEAN	93	91	94	92	93	94
WEEK 4	ST.DEV.	6.8	1.1	3.4	5.3	3.6	6.1
	N (CAGE)	4	4	4	4	4	4

MEAN OF MEANS OVER TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
	MEAN	102	100	103	100	101	103

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RELATIVE FOOD CONSUMPTION SUMMARY
(G/KG BODY WEIGHT/DAY)
MALES

RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAYS 1-8	MEAN	90	85	87	85	91	86
WEEKS 1/2	ST.DEV.	1.5	0.9	4.9	4.1	0.3	2.1
	N (CAGE)	2	2	2	2	2	2
DAYS 8-14	MEAN	84	80	82	78	83	81
WEEK 2	ST.DEV.	0.1	0.7	2.6	5.8	0.1	0.2
	N (CAGE)	2	2	2	2	2	2
DAYS 14-19	MEAN	77	74	76	71	76	76
WEEKS 2/3	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1
DAYS 19-22	MEAN	78	76	80	72	77	78
WEEKS 3/4	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1
DAYS 22-28	MEAN	75	72	74	67	73	72
WEEK 4	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1

MEAN OF MEANS OVER RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
	MEAN	81	77	80	74	80	79

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RELATIVE FOOD CONSUMPTION SUMMARY
(G/KG BODY WEIGHT/DAY)
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAYS 1-8	MEAN	106	104	110	108	113	111
WEEKS 1/2	ST.DEV.	1.2	6.1	5.0	5.4	11.8	11.4
	N (CAGE)	4	4	4	4	4	4
DAYS 8-15	MEAN	104	105	107	107	109	103
WEEKS 2/3	ST.DEV.	2.4	2.8	4.7	4.7	8.0	6.4
	N (CAGE)	4	4	4	4	4	4
DAYS 15-22	MEAN	103	105	108	105	107	100
WEEKS 3/4	ST.DEV.	6.8	6.7	5.7	6.2	4.9	7.9
	N (CAGE)	4	4	4	4	4	4
DAYS 22-28	MEAN	102	102	105	101	104	95
WEEK 4	ST.DEV.	6.1	4.6	2.8	3.4	1.9	4.6
	N (CAGE)	4	4	4	4	4	4

MEAN OF MEANS OVER TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
	MEAN	104	104	107	105	108	102

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

RELATIVE FOOD CONSUMPTION SUMMARY
(G/KG BODY WEIGHT/DAY)
FEMALES

RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
DAYS 1-8	MEAN	105	104	107	102	106	100
WEEKS 1/2	ST.DEV.	3.5	2.7	2.4	5.3	1.2	4.0
	N (CAGE)	2	2	2	2	2	2
DAYS 8-14	MEAN	95	95	97	94	97	93
WEEK 2	ST.DEV.	0.2	3.7	1.0	4.0	0.2	3.9
	N (CAGE)	2	2	2	2	2	2
DAYS 14-19	MEAN	86	88	88	81	84	85
WEEKS 2/3	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1
DAYS 19-22	MEAN	92	92	87	83	88	86
WEEKS 3/4	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1
DAYS 22-28	MEAN	91	86	90	81	84	85
WEEK 4	ST.DEV.	---	---	---	---	---	---
	N (CAGE)	1	1	1	1	1	1

MEAN OF MEANS OVER RECOVERY		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
	MEAN	94	93	94	88	92	90

* / ** : Dunnett-Test based on pooled variance significant at 5% (*) or 1% (**) level

BACK TO MAIN

HAEMATOLOGY SUMMARY
AFTER 4 WEEKS
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
RBC	MEAN	7.05	6.72	6.61 *	6.79	6.57 **	6.66
T/l	ST.DEV.	0.24	0.32	0.27	0.32	0.52	0.39
	N	10	14	14	13	14	12
HB	MEAN	9.1	8.8	8.7	8.8	8.5 **	8.9
mmol/l	ST.DEV.	0.4	0.4	0.4	0.5	0.6	0.4
	N	10	14	14	13	14	12
HCT	MEAN	0.407	0.395	0.388	0.397	0.383 *	0.392
l/l	ST.DEV.	0.011	0.016	0.014	0.021	0.026	0.019
	N	10	14	14	13	14	12
MCV	MEAN	57.8	58.8	58.7	58.5	58.4	59.0
fl	ST.DEV.	1.1	1.4	1.0	1.2	1.8	1.9
	N	10	14	14	13	14	12
MCH	MEAN	1.294	1.313	1.317	1.297	1.297	1.338 *
fmol	ST.DEV.	0.036	0.030	0.027	0.045	0.035	0.047
	N	10	14	14	13	14	12
MCHC	MEAN	22.4	22.3	22.4	22.2	22.2	22.7
mmol/l	ST.DEV.	0.4	0.4	0.5	0.4	0.4	0.4
	N	10	14	14	13	14	12
RDW	MEAN	12.4	12.0	12.2	12.0	12.0	12.0
%	ST.DEV.	0.4	0.7	0.6	0.3	0.7	0.8
	N	10	14	14	13	14	12
PLATELETS	MEAN	1182	1025	1115	1050	870 **	1092
G/l	ST.DEV.	110	116	158	158	306	75
	N	10	14	14	13	14	12
WBC	MEAN	11.3	10.0	10.2	11.7	9.7	10.7
G/l	ST.DEV.	3.5	2.0	2.1	2.4	3.0	2.2
	N	10	14	14	13	14	12
SEG.	MEAN	0.124	0.125	0.117	0.087 +	0.148	0.114
1	ST.DEV.	0.033	0.041	0.035	0.025	0.049	0.039
	N	10	14	14	13	14	12
EO.	MEAN	0.007	0.011	0.007	0.007	0.008	0.005
1	ST.DEV.	0.005	0.011	0.005	0.004	0.007	0.005
	N	10	14	14	13	14	12
BASO.	MEAN	0.000	0.000	0.000	0.000	0.000	0.000
1	ST.DEV.	0.000	0.000	0.000	0.000	0.000	0.000
	N	10	14	14	13	14	12
MONO.	MEAN	0.026	0.022	0.020	0.023	0.026	0.023
1	ST.DEV.	0.006	0.012	0.010	0.009	0.013	0.009
	N	10	14	14	13	14	12
LYMPH.	MEAN	0.844	0.841	0.857	0.883 +	0.818	0.858
1	ST.DEV.	0.030	0.048	0.040	0.031	0.053	0.041
	N	10	14	14	13	14	12

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

BACK TO MAIN

HAEMATOLOGY SUMMARY
AFTER 4 WEEKS
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
PT	MEAN	14.9	15.0	14.9	14.4	14.1 **	14.7
SEC	ST.DEV.	0.6	0.6	0.6	0.6	0.4	0.6
	N	13	14	13	12	9	13
PTT	MEAN	16.1	16.0	17.1	18.2 *	16.8	17.2
SEC	ST.DEV.	0.8	0.7	2.2	3.2	0.8	1.8
	N	13	14	13	11	9	13

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

HAEMATOLOGY SUMMARY
AFTER 4 WEEKS
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
RBC	MEAN	6.72	6.27 **	6.61	6.62	6.35 *	6.41
T/l	ST.DEV.	0.14	0.39	0.34	0.36	0.28	0.37
	N	11	13	13	13	13	11
HB	MEAN	9.1	8.5 *	8.8	9.0	8.7	8.6
mmol/l	ST.DEV.	0.3	0.5	0.5	0.4	0.4	0.5
	N	11	13	13	13	13	11
HCT	MEAN	0.378	0.355 **	0.370	0.377	0.358 *	0.359*
l/l	ST.DEV.	0.012	0.018	0.019	0.014	0.017	0.019
	N	11	13	13	13	13	11
MCV	MEAN	56.2	56.6	56.0	57.1	56.3	56.0
fl	ST.DEV.	1.9	1.4	1.7	1.9	2.6	1.9
	N	11	13	13	13	13	11
MCH	MEAN	1.350	1.356	1.329	1.363	1.356	1.348
fmol	ST.DEV.	0.034	0.035	0.049	0.053	0.050	0.041
	N	11	13	13	13	13	11
MCHC	MEAN	24.0	24.0	23.7	23.9	24.3	24.1
mmol/l	ST.DEV.	0.5	0.6	0.6	0.5	0.5	0.2
	N	11	13	13	13	13	11
RDW	MEAN	11.3	11.2	11.4	11.3	11.3	11.2
%	ST.DEV.	0.4	0.5	0.6	0.3	0.6	0.5
	N	11	13	13	13	13	11
PLATELETS	MEAN	1166	1141	1149	1169	1035	1134
G/l	ST.DEV.	127	149	125	74	236	131
	N	11	13	13	13	13	11
WBC	MEAN	7.4	7.5	6.8	7.6	6.3	8.4
G/l	ST.DEV.	2.1	1.6	2.3	1.8	1.9	2.4
	N	11	13	13	13	13	11
SEG.	MEAN	0.082	0.103	0.109	0.087	0.080	0.077
1	ST.DEV.	0.027	0.041	0.039	0.024	0.035	0.020
	N	11	13	13	13	13	11
EO.	MEAN	0.010	0.004	0.009	0.011	0.009	0.005
1	ST.DEV.	0.007	0.005	0.009	0.006	0.006	0.004
	N	11	13	13	13	13	11
BASO.	MEAN	0.000	0.000	0.000	0.000	0.000	0.000
1	ST.DEV.	0.000	0.000	0.000	0.000	0.000	0.000
	N	11	13	13	13	13	11
MONO.	MEAN	0.025	0.020	0.017	0.024	0.024	0.020
1	ST.DEV.	0.011	0.011	0.009	0.008	0.012	0.007
	N	11	13	13	13	13	11
LYMPH.	MEAN	0.883	0.873	0.865	0.877	0.887	0.898
1	ST.DEV.	0.034	0.044	0.040	0.030	0.039	0.026
	N	11	13	13	13	13	11

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

HAEMATOLOGY SUMMARY
AFTER 4 WEEKS
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
PT	MEAN	15.4	15.0	15.0	14.5 *	14.5 *	14.4 **
SEC	ST.DEV.	1.0	0.6	0.8	0.5	0.7	0.4
	N	14	14	13	13	12	14
PTT	MEAN	15.9	15.0	15.7	17.0	16.8	16.5
SEC	ST.DEV.	1.4	0.9	0.8	0.9	2.0	2.2
	N	14	14	12	13	11	14

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

HAEMATOLOGY SUMMARY
AFTER 2 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
RBC	MEAN	7.23	7.04	6.97	7.00	6.97	7.01
T/l	ST.DEV.	0.18	0.25	0.27	0.27	0.21	0.22
	N	3	3	3	3	3	3
HB	MEAN	9.1	8.9	8.7	8.8	8.6	8.9
mmol/l	ST.DEV.	0.4	0.1	0.5	0.1	0.1	0.0
	N	3	3	3	3	3	3
HCT	MEAN	0.417	0.404	0.401	0.402	0.392	0.408
l/l	ST.DEV.	0.011	0.008	0.018	0.014	0.004	0.006
	N	3	3	3	3	3	3
MCV	MEAN	57.7	57.3	57.5	57.4	56.3	58.2
fl	ST.DEV.	0.1	1.0	0.6	0.3	1.6	1.0
	N	3	3	3	3	3	3
MCH	MEAN	1.259	1.260	1.253	1.259	1.230	1.270
fmol	ST.DEV.	0.036	0.037	0.028	0.034	0.020	0.041
	N	3	3	3	3	3	3
MCHC	MEAN	21.8	22.0	21.8	21.9	21.8	21.8
mmol/l	ST.DEV.	0.6	0.3	0.3	0.5	0.3	0.3
	N	3	3	3	3	3	3
RDW	MEAN	14.1	13.7	13.4	13.3	14.4	13.1
%	ST.DEV.	0.5	0.6	0.8	1.3	0.5	0.8
	N	3	3	3	3	3	3
PLATELETS	MEAN	1177	1081	1186	1080	1053	1078
G/l	ST.DEV.	106	102	170	49	22	58
	N	3	3	3	3	3	3
WBC	MEAN	8.5	12.0	12.1	12.2	8.5	11.6
G/l	ST.DEV.	1.8	3.2	1.9	1.8	2.4	1.9
	N	3	3	3	3	3	3
SEG.	MEAN	0.112	0.127	0.088	0.058	0.133	0.137
1	ST.DEV.	0.043	0.073	0.048	0.019	0.063	0.016
	N	3	3	3	3	3	3
EO.	MEAN	0.013	0.005	0.005	0.003	0.012	0.002
1	ST.DEV.	0.003	0.005	0.005	0.003	0.003	0.003
	N	3	3	3	3	3	3
BASO.	MEAN	0.000	0.000	0.000	0.000	0.000	0.000
1	ST.DEV.	0.000	0.000	0.000	0.000	0.000	0.000
	N	3	3	3	3	3	3
MONO.	MEAN	0.027	0.022	0.025	0.023	0.018	0.018
1	ST.DEV.	0.003	0.008	0.005	0.006	0.008	0.003
	N	3	3	3	3	3	3
LYMPH.	MEAN	0.848	0.847	0.882	0.915	0.837	0.843
1	ST.DEV.	0.043	0.077	0.055	0.022	0.073	0.020
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

HAEMATOLOGY SUMMARY
AFTER 2 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
PT	MEAN	14.6	15.2	14.9	14.6	15.2	15.5
SEC	ST.DEV.	0.4	0.5	0.7	0.6	0.4	0.5
	N	3	3	3	3	2	3
PTT	MEAN	16.2	15.3	16.0	15.0	15.2	14.7
SEC	ST.DEV.	1.1	0.7	1.0	1.3	0.2	1.6
	N	3	3	3	3	2	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

HAEMATOLOGY SUMMARY
AFTER 2 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
RBC	MEAN	7.02	6.47	6.62	6.71	6.61	6.53
T/l	ST.DEV.	0.09	0.19	0.23	0.51	0.35	0.33
	N	3	3	3	3	3	3
HB	MEAN	9.0	8.4	8.7	9.0	8.6	8.5
mmol/l	ST.DEV.	0.2	0.2	0.3	0.4	0.5	0.4
	N	3	3	3	3	3	3
HCT	MEAN	0.404	0.378	0.389	0.396	0.383	0.387
l/l	ST.DEV.	0.009	0.005	0.012	0.012	0.030	0.016
	N	3	3	3	3	3	3
MCV	MEAN	57.5	58.4	58.9	59.2	57.9	59.3
fl	ST.DEV.	0.7	1.7	2.8	2.7	2.1	0.6
	N	3	3	3	3	3	3
MCH	MEAN	1.277	1.305	1.310	1.339	1.301	1.307
fmol	ST.DEV.	0.021	0.060	0.055	0.048	0.041	0.012
	N	3	3	3	3	3	3
MCHC	MEAN	22.2	22.4	22.3	22.6	22.5	22.1
mmol/l	ST.DEV.	0.2	0.4	0.2	0.4	0.5	0.2
	N	3	3	3	3	3	3
RDW	MEAN	14.5	15.2	15.4	15.3	14.6	15.7
%	ST.DEV.	1.5	1.1	1.3	1.7	1.1	0.1
	N	3	3	3	3	3	3
PLATELETS	MEAN	1232	1117	1066	1111	854 *	1034
G/l	ST.DEV.	165	144	133	56	145	233
	N	3	3	3	3	3	3
WBC	MEAN	7.3	8.7	7.3	6.7	6.6	6.8
G/l	ST.DEV.	1.8	2.8	3.3	1.3	1.0	2.5
	N	3	3	3	3	3	3
SEG.	MEAN	0.075	0.077	0.065	0.080	0.050	0.100
1	ST.DEV.	0.035	0.020	0.018	0.033	0.030	0.015
	N	3	3	3	3	3	3
EO.	MEAN	0.005	0.007	0.003	0.010	0.008	0.002
1	ST.DEV.	0.005	0.008	0.003	0.005	0.010	0.003
	N	3	3	3	3	3	3
BASO.	MEAN	0.000	0.000	0.000	0.000	0.000	0.000
1	ST.DEV.	0.000	0.000	0.000	0.000	0.000	0.000
	N	3	3	3	3	3	3
MONO.	MEAN	0.017	0.025	0.017	0.033	0.010	0.027
1	ST.DEV.	0.008	0.010	0.013	0.013	0.009	0.008
	N	3	3	3	3	3	3
LYMPH.	MEAN	0.903	0.892	0.915	0.877	0.932	0.872
1	ST.DEV.	0.038	0.023	0.022	0.023	0.032	0.010
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

BACK TO MAIN

HAEMATOLOGY SUMMARY
AFTER 2 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
PT	MEAN	16.0	14.9 *	15.6	14.8 *	14.8 *	15.5
SEC	ST.DEV.	0.4	0.4	0.6	0.3	0.1	0.1
	N	3	3	3	3	2	2
PTT	MEAN	15.5	14.4	15.1	14.8	15.7	13.7
SEC	ST.DEV.	2.0	0.3	1.1	0.9	1.3	0.0
	N	3	3	3	3	2	2

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

HAEMATOLOGY SUMMARY
AFTER 4 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
RBC	MEAN	7.35	7.01	6.85	7.01	6.89	6.99
T/l	ST.DEV.	0.50	0.14	0.16	0.17	0.08	0.31
	N	3	3	3	3	3	3
HB	MEAN	9.1	9.1	9.1	9.2	9.0	9.0
mmol/l	ST.DEV.	0.6	0.2	0.3	0.3	0.4	0.2
	N	3	3	3	3	3	3
HCT	MEAN	0.396	0.391	0.384	0.392	0.390	0.389
l/l	ST.DEV.	0.026	0.005	0.012	0.015	0.014	0.015
	N	3	3	3	3	3	3
MCV	MEAN	53.9	55.8	56.1	55.8	56.7	55.7
fl	ST.DEV.	1.6	0.8	1.6	0.8	1.4	1.8
	N	3	3	3	3	3	3
MCH	MEAN	1.243	1.294	1.323	1.317	1.307	1.284
fmol	ST.DEV.	0.052	0.037	0.020	0.031	0.042	0.041
	N	3	3	3	3	3	3
MCHC	MEAN	23.1	23.2	23.6	23.6	23.1	23.1
mmol/l	ST.DEV.	0.3	0.3	0.4	0.6	0.2	0.3
	N	3	3	3	3	3	3
RDW	MEAN	14.5	12.9 *	13.7	12.9 *	13.6	13.7
%	ST.DEV.	0.4	0.5	0.3	0.4	0.3	0.9
	N	3	3	3	3	3	3
PLATELETS	MEAN	1082	1025	1076	1179	966	1077
G/l	ST.DEV.	113	95	149	70	71	27
	N	3	3	3	3	3	3
WBC	MEAN	12.2	12.3	10.8	9.4	7.7	11.2
G/l	ST.DEV.	0.9	3.0	4.2	1.3	1.6	3.3
	N	3	3	3	3	3	3
SEG.	MEAN	0.103	0.095	0.090	0.060	0.063	0.078
1	ST.DEV.	0.053	0.028	0.033	0.009	0.003	0.046
	N	3	3	3	3	3	3
EO.	MEAN	0.007	0.003	0.010	0.005	0.007	0.007
1	ST.DEV.	0.006	0.006	0.005	0.005	0.003	0.003
	N	3	3	3	3	3	3
BASO.	MEAN	0.000	0.000	0.000	0.000	0.000	0.000
1	ST.DEV.	0.000	0.000	0.000	0.000	0.000	0.000
	N	3	3	3	3	3	3
MONO.	MEAN	0.052	0.055	0.047	0.020	0.025	0.027
1	ST.DEV.	0.025	0.018	0.033	0.009	0.009	0.020
	N	3	3	3	3	3	3
LYMPH.	MEAN	0.838	0.847	0.853	0.915	0.905	0.888
1	ST.DEV.	0.056	0.050	0.068	0.005	0.013	0.059
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

HAEMATOLOGY SUMMARY
AFTER 4 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
PT	MEAN	13.1	13.0	13.4	13.8	14.2	14.0
SEC	ST.DEV.	0.6	0.4	0.2	1.1	0.5	0.2
	N	2	2	3	2	2	3
PTT	MEAN	16.0	15.2	16.8	16.5	15.2	14.6
SEC	ST.DEV.	0.1	0.8	0.2	0.8	0.4	2.0
	N	2	2	3	2	2	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

BACK TO MAIN

HAEMATOLOGY SUMMARY
AFTER 4 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
RBC	MEAN	6.87	6.86	6.79	6.99	6.80	6.56
T/l	ST.DEV.	0.19	0.09	0.27	0.22	0.25	0.15
	N	3	3	3	3	3	3
HB	MEAN	9.3	9.4	9.0	9.1	8.9	8.7
mmol/l	ST.DEV.	0.1	0.2	0.2	0.2	0.3	0.6
	N	3	3	3	3	3	3
HCT	MEAN	0.397	0.402	0.389	0.393	0.389	0.379
l/l	ST.DEV.	0.023	0.002	0.009	0.008	0.022	0.030
	N	3	3	3	3	3	3
MCV	MEAN	57.8	58.7	57.4	56.2	57.2	57.8
fl	ST.DEV.	1.8	1.1	2.3	0.9	3.4	3.3
	N	3	3	3	3	3	3
MCH	MEAN	1.349	1.366	1.322	1.297	1.314	1.321
fmol	ST.DEV.	0.020	0.018	0.033	0.030	0.049	0.058
	N	3	3	3	3	3	3
MCHC	MEAN	23.4	23.3	23.1	23.1	23.0	22.9
mmol/l	ST.DEV.	1.0	0.4	0.4	0.2	0.5	0.6
	N	3	3	3	3	3	3
RDW	MEAN	12.8	13.5	13.3	12.6	13.3	12.9
%	ST.DEV.	0.8	0.5	0.2	0.3	1.1	0.9
	N	3	3	3	3	3	3
PLATELETS	MEAN	972	980	965	1014	978	994
G/l	ST.DEV.	54	103	126	40	127	80
	N	3	3	3	3	3	3
WBC	MEAN	6.0	8.8	7.7	6.2	6.8	8.7
G/l	ST.DEV.	0.6	1.1	3.7	0.4	2.3	2.3
	N	3	3	3	3	3	3
SEG.	MEAN	0.053	0.070	0.038	0.077	0.075	0.062
1	ST.DEV.	0.031	0.013	0.015	0.045	0.017	0.025
	N	3	3	3	3	3	3
EO.	MEAN	0.008	0.003	0.010	0.020	0.007	0.005
1	ST.DEV.	0.010	0.003	0.000	0.000	0.003	0.009
	N	3	3	3	3	3	3
BASO.	MEAN	0.000	0.000	0.000	0.000	0.000	0.000
1	ST.DEV.	0.000	0.000	0.000	0.000	0.000	0.000
	N	3	3	3	3	3	3
MONO.	MEAN	0.015	0.027	0.018	0.030	0.035	0.017
1	ST.DEV.	0.005	0.008	0.014	0.000	0.018	0.008
	N	3	3	3	3	3	3
LYMPH.	MEAN	0.923	0.900	0.933	0.873	0.883	0.917
1	ST.DEV.	0.032	0.005	0.010	0.045	0.030	0.033
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

BACK TO MAIN

HAEMATOLOGY SUMMARY
AFTER 4 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
HAEMATOLOGY PARAMETERS							
PT	MEAN	12.3	12.2	11.9	12.2	11.7	12.2
SEC	ST.DEV.	0.6	0.3	0.4	0.6	0.3	0.4
	N	3	3	3	3	3	3
PTT	MEAN	15.7	14.6	15.7	15.0	15.3	14.9
SEC	ST.DEV.	1.2	0.5	1.1	0.6	0.2	1.1
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

BACK TO MAIN

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 4 WEEKS
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
ALAT(GPT)	MEAN	0.64	0.61	0.61	0.57	0.67	0.59
ukat/l	ST.DEV.	0.12	0.10	0.14	0.11	0.25	0.06
	N	14	14	13	13	14	14
ASAT(GOT)	MEAN	2.80	2.62	2.58	2.31 **	2.39 *	2.37 *
ukat/l	ST.DEV.	0.38	0.41	0.46	0.30	0.26	0.45
	N	14	14	14	14	14	14
BILI T.	MEAN	2	2	2	2	2	2
umol/l	ST.DEV.	1	0	1	0	0	1
	N	14	14	14	14	14	14
CHOLEST.T.	MEAN	2.00	1.28 **	1.43 **	1.76	0.97 **	1.13 *
mmol/l	ST.DEV.	0.39	0.44	0.47	0.40	0.20	0.40
	N	14	14	14	14	14	14
TRIGL.	MEAN	0.80	0.63	0.73	0.65	0.43 **	0.48 **
mmol/l	ST.DEV.	0.25	0.29	0.39	0.21	0.15	0.17
	N	14	14	14	14	14	14
CREATININE	MEAN	33	30	31	34	35	32
umol/l	ST.DEV.	4	3	2	4	5	3
	N	14	14	14	14	14	14
GLUCOSE	MEAN	6.32	6.48	6.24	6.59	6.72	6.38
mmol/l	ST.DEV.	0.75	0.95	0.73	1.07	1.47	1.24
	N	14	14	14	14	14	14
UREA	MEAN	6.9	7.0	6.7	6.9	7.7	7.6
mmol/l	ST.DEV.	1.1	1.0	1.1	1.0	1.5	1.2
	N	14	14	14	14	14	14
PROTEIN T.	MEAN	56.8	53.2 **	53.9 *	53.8 *	53.7 **	54.1 *
g/l	ST.DEV.	2.9	2.1	2.9	2.2	2.8	2.0
	N	14	14	14	14	14	14
ALBUMIN	MEAN	29.3	28.7	29.3	29.8	30.4	29.3
g/l	ST.DEV.	0.9	1.3	1.7	1.3	1.4	1.2
	N	14	14	14	14	14	14
GLOBULIN	MEAN	27.5	24.4 +	24.6 +	24.0 +	23.3 +	24.8 +
g/l	ST.DEV.	2.5	1.8	2.0	1.5	2.4	2.1
	N	14	14	14	14	14	14
A/G RATIO	MEAN	1.1	1.2	1.2 +	1.2 +	1.3 +	1.2 +
	ST.DEV.	0.1	0.1	0.1	0.1	0.1	0.1
	N	14	14	14	14	14	14
ALP	MEAN	7.76	8.08	7.70	8.00	9.33 *	7.26
ukat/l	ST.DEV.	1.75	1.94	1.14	1.16	1.50	1.48
	N	14	14	14	14	14	14

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

BACK TO MAIN

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 4 WEEKS
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
INORG PHOSPH	MEAN	2.83	2.75	2.88	2.71	3.02	2.96
mmol/l	ST.DEV.	0.16	0.13	0.19	0.23	0.30	0.20
	N	14	14	14	14	14	14
SODIUM	MEAN	142.6	142.9	143.2	143.0	143.3	142.9
mmol/l	ST.DEV.	1.3	0.9	0.7	0.7	0.8	0.9
	N	14	14	14	14	14	14
POTASSIUM	MEAN	4.85	4.60	4.72	4.50 *	4.55	4.66
mmol/l	ST.DEV.	0.31	0.27	0.39	0.22	0.46	0.35
	N	14	14	14	14	14	14
CALCIUM	MEAN	2.53	2.47	2.50	2.47	2.51	2.52
mmol/l	ST.DEV.	0.08	0.06	0.06	0.07	0.08	0.08
	N	14	14	14	14	14	14
CHLORIDE	MEAN	100	100	102	101	103 **	103 **
mmol/l	ST.DEV.	2	2	1	2	2	3
	N	14	14	14	14	14	14

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 4 WEEKS
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
ALAT(GPT)	MEAN	0.52	0.47	0.55	0.52	0.57	0.63
ukat/l	ST.DEV.	0.12	0.09	0.14	0.12	0.09	0.32
	N	14	14	14	14	14	14
ASAT(GOT)	MEAN	2.62	2.37	2.24	2.30	2.45	2.32
ukat/l	ST.DEV.	0.34	0.53	0.36	0.35	0.69	0.38
	N	14	14	14	14	14	14
BILI T.	MEAN	3	2	3	3	2	3
umol/l	ST.DEV.	1	1	0	1	1	1
	N	14	14	14	14	14	14
CHOLEST.T.	MEAN	2.21	2.26	2.09	2.32	1.81 *	2.04
mmol/l	ST.DEV.	0.44	0.40	0.40	0.33	0.28	0.35
	N	14	14	14	14	14	14
TRIGL.	MEAN	0.60	0.57	0.58	0.56	0.51	0.54
mmol/l	ST.DEV.	0.18	0.18	0.14	0.13	0.16	0.16
	N	14	14	14	14	14	14
CREATININE	MEAN	40	38	39	41	40	41
umol/l	ST.DEV.	3	4	4	4	3	4
	N	14	14	14	14	14	14
GLUCOSE	MEAN	6.05	5.90	6.14	6.00	6.02	5.98
mmol/l	ST.DEV.	0.52	0.58	0.70	0.50	0.72	1.02
	N	14	14	14	14	14	14
UREA	MEAN	8.3	8.4	8.8	9.0	8.5	10.2 *
mmol/l	ST.DEV.	1.8	1.5	1.7	1.7	0.9	1.9
	N	14	14	14	14	14	14
PROTEIN T.	MEAN	65.9	64.8	65.4	66.2	65.4	66.8
g/l	ST.DEV.	3.3	2.8	2.5	2.9	4.1	3.1
	N	14	14	14	14	14	14
ALBUMIN	MEAN	34.0	33.8	34.1	33.8	33.7	34.9
g/l	ST.DEV.	1.4	1.4	1.6	2.2	1.5	1.7
	N	14	14	14	14	14	14
GLOBULIN	MEAN	31.9	31.0	31.3	32.4	31.7	31.8
g/l	ST.DEV.	2.2	2.4	1.9	2.0	3.1	2.4
	N	14	14	14	14	14	14
A/G RATIO	MEAN	1.1	1.1	1.1	1.0	1.1	1.1
	ST.DEV.	0.1	0.1	0.1	0.1	0.1	0.1
	N	14	14	14	14	14	14
ALP	MEAN	4.46	4.04	4.52	4.30	4.06	4.30
ukat/l	ST.DEV.	0.62	0.95	1.18	0.87	1.10	1.14
	N	14	14	14	14	14	14

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 4 WEEKS
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
INORG PHOSPH	MEAN	2.58	2.53	2.47	2.42	2.43	2.59
mmol/l	ST.DEV.	0.23	0.16	0.20	0.19	0.21	0.23
	N	14	14	14	14	14	14
SODIUM	MEAN	142.2	142.6	142.6	142.0	141.8	142.5
mmol/l	ST.DEV.	1.6	0.8	1.1	1.0	0.7	1.1
	N	14	14	14	14	14	14
POTASSIUM	MEAN	4.13	4.14	4.11	4.19	4.08	4.06
mmol/l	ST.DEV.	0.39	0.34	0.32	0.24	0.28	0.30
	N	14	14	14	14	14	14
CALCIUM	MEAN	2.56	2.60	2.60	2.60	2.56	2.60
mmol/l	ST.DEV.	0.09	0.06	0.05	0.05	0.06	0.07
	N	14	14	14	14	14	14
CHLORIDE	MEAN	97	99	98	99	102 **	101 **
mmol/l	ST.DEV.	3	2	2	2	2	2
	N	14	14	14	14	14	4

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 2 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
ALAT(GPT)	MEAN	0.86	0.62	0.65	0.85	0.81	0.64
ukat/l	ST.DEV.	0.19	0.08	0.12	0.18	0.13	0.17
	N	3	3	3	3	3	3
ASAT(GOT)	MEAN	2.80	2.70	2.91	2.86	2.43	1.92
ukat/l	ST.DEV.	0.55	0.40	0.03	0.59	0.42	0.48
	N	3	3	3	3	3	3
BILI T.	MEAN	3	3	3	3	2	3
umol/l	ST.DEV.	0	1	1	1	0	1
	N	3	3	3	3	3	3
CHOLEST.T.	MEAN	1.95	1.67	1.57	1.93	1.38	1.27
mmol/l	ST.DEV.	0.50	0.69	0.04	0.43	0.22	0.19
	N	3	3	3	3	3	3
TRIGL.	MEAN	0.53	0.61	0.89	0.70	0.65	0.50
mmol/l	ST.DEV.	0.09	0.20	0.35	0.10	0.09	0.10
	N	3	3	3	3	3	3
CREATININE	MEAN	35	34	33	39	39	39
umol/l	ST.DEV.	8	2	2	2	4	9
	N	3	3	3	3	3	3
GLUCOSE	MEAN	5.65	6.23	6.85	8.33 *	7.14	6.22
mmol/l	ST.DEV.	0.39	1.66	0.93	0.11	0.16	1.02
	N	3	3	3	3	3	3
UREA	MEAN	6.8	7.3	6.9	6.8	6.7	7.4
mmol/l	ST.DEV.	1.3	0.5	0.7	0.5	0.8	0.7
	N	3	3	3	3	3	3
PROTEIN T.	MEAN	55.9	51.5 *	57.6	53.6	54.7	56.5
g/l	ST.DEV.	1.5	1.0	0.9	3.2	0.7	0.7
	N	3	3	3	3	3	3
ALBUMIN	MEAN	29.0	28.1	29.5	27.8	28.9	29.7
g/l	ST.DEV.	1.0	0.5	0.3	1.3	1.0	0.6
	N	3	3	3	3	3	3
GLOBULIN	MEAN	26.9	23.4	28.1	25.8	25.8	26.8
g/l	ST.DEV.	2.1	0.8	0.8	2.1	0.9	0.5
	N	3	3	3	3	3	3
A/G RATIO	MEAN	1.1	1.2	1.0	1.1	1.1	1.1
	ST.DEV.	0.1	0.0	0.0	0.1	0.1	0.0
	N	3	3	3	3	3	3
ALP	MEAN	6.59	6.93	5.82	5.94	6.72	5.61
ukat/l	ST.DEV.	2.07	1.02	1.22	1.02	0.80	1.21
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

BACK TO MAIN

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 2 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
INORG PHOSPH	MEAN	2.81	2.78	2.74	2.64	2.51	2.65
mmol/l	ST.DEV.	0.06	0.16	0.23	0.11	0.14	0.12
	N	3	3	3	3	3	3
SODIUM	MEAN	144.3	143.4	142.0	141.1 *	142.4	142.8
mmol/l	ST.DEV.	1.1	2.1	0.8	0.7	0.9	0.1
	N	3	3	3	3	3	3
POTASSIUM	MEAN	4.46	4.51	4.95	4.41	4.56	4.56
mmol/l	ST.DEV.	0.42	0.23	0.13	0.20	0.15	0.24
	N	3	3	3	3	3	3
CALCIUM	MEAN	2.48	2.44	2.48	2.50	2.45	2.57
mmol/l	ST.DEV.	0.04	0.06	0.03	0.11	0.04	0.07
	N	3	3	3	3	3	3
CHLORIDE	MEAN	103	102	100	100	102	103
mmol/l	ST.DEV.	1	3	2	1	2	2
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 2 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
ALAT(GPT)	MEAN	0.47	0.63	0.49	0.57	0.52	0.45
ukat/l	ST.DEV.	0.05	0.34	0.11	0.08	0.12	0.07
	N	3	3	3	3	3	3
ASAT(GOT)	MEAN	2.53	2.61	2.10	2.53	1.66	2.09
ukat/l	ST.DEV.	0.58	0.69	0.36	0.34	0.15	0.17
	N	3	3	3	3	3	3
BILI T.	MEAN	3	2	2	3	3	2
umol/l	ST.DEV.	1	1	0	1	0	1
	N	3	3	3	3	3	3
CHOLEST.T.	MEAN	2.16	1.92	1.74	2.41	2.11	2.02
mmol/l	ST.DEV.	0.38	0.43	0.40	0.28	0.40	0.37
	N	3	3	3	3	3	3
TRIGL.	MEAN	0.69	0.43	0.61	0.73	0.40	0.31
mmol/l	ST.DEV.	0.24	0.03	0.24	0.26	0.09	0.08
	N	3	3	3	3	3	3
CREATININE	MEAN	39	40	41	45	44	42
umol/l	ST.DEV.	2	2	5	7	4	1
	N	3	3	3	3	3	3
GLUCOSE	MEAN	7.34	6.52	7.31	7.41	7.55	7.69
mmol/l	ST.DEV.	1.68	0.66	0.54	1.04	1.70	0.33
	N	3	3	3	3	3	3
UREA	MEAN	6.8	7.3	8.2	9.8 *	7.6	8.0
mmol/l	ST.DEV.	0.7	1.4	1.1	1.1	0.4	1.2
	N	3	3	3	3	3	3
PROTEIN T.	MEAN	63.6	61.7	61.1	65.2	66.4	60.6
g/l	ST.DEV.	2.8	3.8	1.6	3.1	4.2	5.2
	N	3	3	3	3	3	3
ALBUMIN	MEAN	32.2	32.7	31.6	33.8	31.4	32.5
g/l	ST.DEV.	2.7	2.8	1.9	1.7	1.0	1.2
	N	3	3	3	3	3	3
GLOBULIN	MEAN	31.5	29.0	29.5	31.4	35.1	28.1
g/l	ST.DEV.	1.2	2.8	2.3	1.8	3.3	4.0
	N	3	3	3	3	3	3
A/G RATIO	MEAN	1.0	1.1	1.1	1.1	0.9	1.2
	ST.DEV.	0.1	0.2	0.1	0.0	0.1	0.1
	N	3	3	3	3	3	3
ALP	MEAN	3.30	3.60	4.36	3.85	3.27	4.32
ukat/l	ST.DEV.	0.12	1.10	1.08	0.88	1.20	1.51
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 2 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
INORG PHOSPH	MEAN	2.47	2.57	2.32	2.55	2.42	2.29
mmol/l	ST.DEV.	0.09	0.36	0.06	0.27	0.26	0.10
	N	3	3	3	3	3	3
SODIUM	MEAN	142.4	142.8	142.0	141.3	141.6	142.5
mmol/l	ST.DEV.	1.0	1.3	1.0	1.5	0.8	0.8
	N	3	3	3	3	3	3
POTASSIUM	MEAN	4.08	3.96	4.05	4.34	3.90	4.11
mmol/l	ST.DEV.	0.09	0.20	0.42	0.38	0.23	0.15
	N	3	3	3	3	3	3
CALCIUM	MEAN	2.63	2.59	2.57	2.68	2.68	2.63
mmol/l	ST.DEV.	0.14	0.06	0.09	0.03	0.14	0.07
	N	3	3	3	3	3	3
CHLORIDE	MEAN	99	99	99	98	98	100
mmol/l	ST.DEV.	1	1	4	2	3	2
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 4 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
ALAT(GPT)	MEAN	0.59	0.68	0.60	0.58	0.75	0.64
ukat/l	ST.DEV.	0.17	0.07	0.03	0.17	0.17	0.12
	N	3	3	3	3	3	3
ASAT(GOT)	MEAN	2.65	2.44	2.06	2.39	2.40	1.87 *
ukat/l	ST.DEV.	0.25	0.25	0.24	0.50	0.20	0.13
	N	3	3	3	3	3	3
BILI T.	MEAN	3	2	3	3	2	2 *
umol/l	ST.DEV.	1	1	1	1	1	0
	N	3	3	3	3	3	3
CHOLEST.T.	MEAN	1.94	1.25 *	1.53	1.66	1.24 *	1.34
mmol/l	ST.DEV.	0.18	0.13	0.39	0.35	0.09	0.37
	N	3	3	3	3	3	3
TRIGL.	MEAN	0.76	0.58	0.53	0.56	0.36	0.45
mmol/l	ST.DEV.	0.39	0.03	0.11	0.02	0.19	0.12
	N	3	3	3	3	3	3
CREATININE	MEAN	36	33	34	38	43	32
umol/l	ST.DEV.	1	4	4	1	6	4
	N	3	3	3	3	3	3
GLUCOSE	MEAN	8.01	7.45	7.06	6.12	5.57 *	6.70
mmol/l	ST.DEV.	0.40	1.37	1.05	0.55	0.70	0.62
	N	3	3	3	3	3	3
UREA	MEAN	6.3	6.3	6.6	7.5	8.3	6.0
mmol/l	ST.DEV.	0.3	0.2	0.9	0.7	2.0	0.5
	N	3	3	3	3	3	3
PROTEIN T.	MEAN	62.2	55.9 *	55.4 *	57.0 *	57.3	54.5 **
g/l	ST.DEV.	0.1	1.8	3.5	2.3	1.2	2.5
	N	3	3	3	3	3	3
ALBUMIN	MEAN	28.6	27.3	27.0	27.7	27.3	27.5
g/l	ST.DEV.	0.6	0.5	1.4	1.3	0.6	0.7
	N	3	3	3	3	3	3
GLOBULIN	MEAN	33.5	28.6	28.4	29.3	30.0	26.9
g/l	ST.DEV.	0.6	2.3	2.3	1.8	1.0	2.0
	N	3	3	3	3	3	3
A/G RATIO	MEAN	0.9	1.0	1.0	0.9	0.9	1.0
	ST.DEV.	0.0	0.1	0.0	0.1	0.0	0.1
	N	3	3	3	3	3	3
ALP	MEAN	4.33	6.20	5.28	5.43	6.00	4.73
ukat/l	ST.DEV.	0.65	1.91	1.46	1.31	1.94	0.19
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 4 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
INORG PHOSPH	MEAN	3.02	2.64	2.64	2.46 *	2.65	2.59
mmol/l	ST.DEV.	0.13	0.28	0.24	0.18	0.18	0.20
	N	3	3	3	3	3	3
SODIUM	MEAN	141.6	142.9	142.5	142.0	143.8	142.7
mmol/l	ST.DEV.	0.9	1.3	1.2	0.6	1.0	0.2
	N	3	3	3	3	3	3
POTASSIUM	MEAN	5.33	4.59 *	4.64 *	4.55 **	4.57 *	4.65 *
mmol/l	ST.DEV.	0.21	0.14	0.33	0.12	0.42	0.11
	N	3	3	3	3	3	3
CALCIUM	MEAN	2.58	2.48 *	2.48 *	2.46 *	2.49	2.48 *
mmol/l	ST.DEV.	0.02	0.06	0.05	0.03	0.02	0.05
	N	3	3	3	3	3	3
CHLORIDE	MEAN	102	103	104	104	103	107 *
mmol/l	ST.DEV.	2	3	2	1	1	2
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

BACK TO MAIN

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 4 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
ALAT(GPT)	MEAN	0.38	0.37	0.46	0.63	0.47	0.50
ukat/l	ST.DEV.	0.09	0.04	0.12	0.31	0.16	0.02
	N	3	2	3	3	3	3
ASAT(GOT)	MEAN	2.25	2.31	1.89	2.45	2.52	1.92
ukat/l	ST.DEV.	0.31	0.33	0.45	0.26	0.49	0.05
	N	3	3	3	3	3	3
BILI T.	MEAN	2	2	3	2	2	2
umol/l	ST.DEV.	1	1	1	0	0	1
	N	3	3	3	3	3	3
CHOLEST.T.	MEAN	2.50	2.41	2.30	2.51	2.06	2.13
mmol/l	ST.DEV.	0.38	0.36	0.11	0.49	0.35	0.22
	N	3	3	3	3	3	3
TRIGL.	MEAN	0.63	0.74	0.47	0.51	0.40	0.50
mmol/l	ST.DEV.	0.13	0.27	0.04	0.18	0.06	0.21
	N	3	3	3	3	3	3
CREATININE	MEAN	41	42	42	44	39	39
umol/l	ST.DEV.	3	5	3	4	1	1
	N	3	3	3	3	3	3
GLUCOSE	MEAN	7.16	6.43	6.90	6.34	6.86	7.65
mmol/l	ST.DEV.	1.26	0.47	0.37	1.56	0.41	1.09
	N	3	3	3	3	3	3
UREA	MEAN	7.5	7.5	8.0	8.3	7.0	10.7
mmol/l	ST.DEV.	1.6	1.3	1.0	1.5	0.3	3.7
	N	3	3	3	3	3	3
PROTEIN T.	MEAN	64.9	64.3	67.7	65.3	69.4	65.3
g/l	ST.DEV.	4.1	2.5	2.2	3.4	0.9	5.4
	N	3	3	3	3	3	3
ALBUMIN	MEAN	31.3	31.6	33.4	30.6	34.2	32.8
g/l	ST.DEV.	1.7	1.2	3.4	1.3	0.7	2.0
	N	3	3	3	3	3	3
GLOBULIN	MEAN	33.6	32.6	34.4	34.7	35.2	32.5
g/l	ST.DEV.	2.5	1.9	1.5	2.1	1.4	3.3
	N	3	3	3	3	3	3
A/G RATIO	MEAN	0.9	1.0	1.0	0.9	1.0	1.0
	ST.DEV.	0.0	0.1	0.1	0.0	0.1	0.0
	N	3	3	3	3	3	3
ALP	MEAN	2.95	3.03	3.11	2.93	2.70	3.38
ukat/l	ST.DEV.	0.46	1.24	0.92	0.85	0.85	0.19
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

BACK TO MAIN

CLINICAL BIOCHEMISTRY SUMMARY
AFTER 4 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
INORG PHOSPH	MEAN	2.33	2.24	1.98	2.22	2.16	2.27
mmol/l	ST.DEV.	0.17	0.12	0.20	0.30	0.08	0.26
	N	3	3	3	3	3	3
SODIUM	MEAN	142.3	141.6	140.7	141.3	141.0	141.1
mmol/l	ST.DEV.	1.8	0.5	1.7	0.7	1.4	1.6
	N	3	3	3	3	3	3
POTASSIUM	MEAN	4.12	4.14	4.48	4.26	4.02	4.16
mmol/l	ST.DEV.	0.34	0.29	0.89	0.51	0.33	0.18
	N	3	3	3	3	3	3
CALCIUM	MEAN	2.52	2.53	2.55	2.57	2.60	2.64
mmol/l	ST.DEV.	0.05	0.10	0.07	0.04	0.01	0.03
	N	3	3	3	3	3	3
CHLORIDE	MEAN	100	101	100	99	102	103
mmol/l	ST.DEV.	4	3	4	3	3	5
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level. +: Steel-test sig. at 5% level.

BACK TO MAIN

ORGAN WEIGHTS (GRAM) SUMMARY
AFTER 4 WEEKS
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	315	315	305	306	308	318
	ST.DEV.	30	16	13	27	28	25
	N	8	8	8	8	8	8
BRAIN	MEAN	2.01	1.96	1.95	2.00	1.96	2.00
	ST.DEV.	0.07	0.07	0.06	0.06	0.09	0.05
	N	8	8	8	8	8	8
HEART	MEAN	1.133	1.134	1.097	1.154	1.107	1.131
	ST.DEV.	0.108	0.144	0.115	0.106	0.088	0.103
	N	8	8	8	8	8	8
LIVER	MEAN	10.05	10.35	9.36	9.04	13.78 **	11.79 *
	ST.DEV.	1.24	0.68	0.60	1.08	1.83	1.00
	N	8	8	8	8	8	8
KIDNEYS	MEAN	2.30	2.34	2.20	2.16	2.34	2.19
	ST.DEV.	0.36	0.18	0.15	0.25	0.22	0.18
	N	8	8	8	8	8	8
ADRENALS	MEAN	0.045	0.053	0.052	0.046	0.050	0.046
	ST.DEV.	0.006	0.008	0.007	0.008	0.009	0.013
	N	8	8	8	8	8	8
SPLEEN	MEAN	0.580	0.566	0.567	0.578	0.570	0.558
	ST.DEV.	0.119	0.069	0.065	0.075	0.076	0.096
	N	8	8	8	8	8	8
TESTES	MEAN	2.87	3.05	2.78	2.86	2.80	2.85
	ST.DEV.	0.23	0.22	0.15	0.19	0.80	0.18
	N	8	8	8	8	8	8

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS SUMMARY
AFTER 4 WEEKS
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	315	315	305	306	308	318
(GRAM)	ST.DEV.	30	16	13	27	28	25
	N	8	8	8	8	8	8
BRAIN	MEAN	0.64	0.62	0.64	0.66	0.64	0.63
(%)	ST.DEV.	0.05	0.03	0.03	0.05	0.05	0.05
	N	8	8	8	8	8	8
HEART	MEAN	0.362	0.361	0.360	0.378	0.360	0.357
(%)	ST.DEV.	0.037	0.046	0.037	0.026	0.023	0.041
	N	8	8	8	8	8	8
LIVER	MEAN	3.19	3.30	3.07	2.95	4.47 **	3.71 **
(%)	ST.DEV.	0.21	0.29	0.11	0.14	0.40	0.30
	N	8	8	8	8	8	8
KIDNEYS	MEAN	0.73	0.74	0.72	0.70	0.76	0.69
(%)	ST.DEV.	0.09	0.06	0.05	0.03	0.05	0.07
	N	8	8	8	8	8	8
ADRENALS	MEAN	0.014	0.017	0.017	0.015	0.016	0.014
(%)	ST.DEV.	0.002	0.003	0.002	0.003	0.003	0.003
	N	8	8	8	8	8	8
SPLEEN	MEAN	0.183	0.180	0.186	0.189	0.185	0.175
(%)	ST.DEV.	0.027	0.017	0.015	0.018	0.016	0.026
	N	8	8	8	8	8	8
TESTES	MEAN	0.91	0.97	0.91	0.94	0.90	0.90
(%)	ST.DEV.	0.05	0.09	0.06	0.12	0.24	0.05
	N	8	8	8	8	8	8

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

BACK TO MAIN

ORGAN WEIGHTS (GRAM) SUMMARY
AFTER 4 WEEKS
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	214	211	200	208	201	187 *
	ST.DEV.	22	16	16	15	13	16
	N	8	8	8	8	8	8
BRAIN	MEAN	1.88	1.93	1.85	1.90	1.88	1.88
	ST.DEV.	0.08	0.08	0.05	0.08	0.09	0.05
	N	8	8	7	8	8	8
HEART	MEAN	0.852	0.813	0.790	0.805	0.806	0.748 *
	ST.DEV.	0.054	0.054	0.071	0.073	0.083	0.073
	N	8	8	7	8	8	8
LIVER	MEAN	6.62	7.18	6.37	6.53	6.71	7.80 **
	ST.DEV.	0.50	0.55	0.47	0.72	0.70	0.88
	N	8	8	7	8	8	8
KIDNEYS	MEAN	1.50	1.63	1.51	1.53	1.51	1.46
	ST.DEV.	0.15	0.15	0.11	0.17	0.12	0.12
	N	8	8	7	8	8	8
ADRENALS	MEAN	0.060	0.064	0.060	0.070	0.058	0.054
	ST.DEV.	0.009	0.009	0.009	0.037	0.009	0.006
	N	8	8	7	8	8	8
SPLEEN	MEAN	0.423	0.450	0.417	0.608	0.407	0.412
	ST.DEV.	0.051	0.037	0.086	0.373	0.033	0.046
	N	8	8	7	8	8	8
OVARIES	MEAN	0.124	0.133	0.135	0.124	0.132	0.128
	ST.DEV.	0.023	0.020	0.015	0.030	0.018	0.019
	N	8	8	7	8	8	8

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS SUMMARY
AFTER 4 WEEKS
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	214	211	200	208	201	187 *
(GRAM)	ST.DEV.	22	16	16	15	13	16
	N	8	8	8	8	8	8
BRAIN	MEAN	0.89	0.92	0.93	0.91	0.94	1.01 *
(%)	ST.DEV.	0.08	0.05	0.06	0.04	0.05	0.07
	N	8	8	7	8	8	8
HEART	MEAN	0.401	0.385	0.395	0.388	0.402	0.399
(%)	ST.DEV.	0.035	0.027	0.023	0.030	0.034	0.028
	N	8	8	7	8	8	8
LIVER	MEAN	3.11	3.40	3.19	3.14	3.35	4.15 *
(%)	ST.DEV.	0.19	0.13	0.13	0.28	0.35	0.18
	N	8	8	7	8	8	8
KIDNEYS	MEAN	0.70	0.77	0.76	0.74	0.75	0.78 *
(%)	ST.DEV.	0.03	0.07	0.04	0.08	0.06	0.03
	N	8	8	7	8	8	8
ADRENALS	MEAN	0.028	0.031	0.030	0.033	0.029	0.029
(%)	ST.DEV.	0.006	0.005	0.002	0.016	0.005	0.003
	N	8	8	7	8	8	8
SPLEEN	MEAN	0.198	0.214	0.208	0.298	0.204	0.220
(%)	ST.DEV.	0.024	0.020	0.037	0.201	0.016	0.013
	N	8	8	7	8	8	8
OVARIES	MEAN	0.058	0.063	0.068	0.060	0.066	0.069
(%)	ST.DEV.	0.010	0.012	0.008	0.015	0.008	0.013
	N	8	8	7	8	8	8

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

BACK TO MAIN

ORGAN WEIGHTS (GRAM) SUMMARY
AFTER 2 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	320	314	344	366	324	380
	ST.DEV.	37	17	31	44	69	12
	N	3	3	3	3	3	3
BRAIN	MEAN	1.95	1.98	1.95	2.02	1.93	2.03
	ST.DEV.	0.12	0.07	0.13	0.11	0.18	0.03
	N	3	3	3	3	3	3
HEART	MEAN	1.091	1.062	1.172	1.153	1.149	1.299
	ST.DEV.	0.117	0.053	0.097	0.027	0.145	0.054
	N	3	3	3	3	3	3
LIVER	MEAN	8.24	8.27	9.89	10.30	9.55	14.07 **
	ST.DEV.	0.78	0.63	1.91	1.19	2.63	0.63
	N	3	3	3	3	3	3
KIDNEYS	MEAN	2.04	2.08	2.41	2.39	2.18	2.65
	ST.DEV.	0.31	0.03	0.31	0.25	0.51	0.06
	N	3	3	3	3	3	3
ADRENALS	MEAN	0.042	0.039	0.043	0.055	0.041	0.048
	ST.DEV.	0.007	0.008	0.006	0.012	0.005	0.007
	N	3	3	3	3	3	3
SPLEEN	MEAN	0.441	0.568	0.543	0.623	0.541	0.635 *
	ST.DEV.	0.084	0.012	0.037	0.102	0.080	0.121
	N	3	3	3	3	3	3
TESTES	MEAN	2.81	2.13	3.09	3.35	2.61	3.03
	ST.DEV.	0.24	0.89	0.16	0.17	1.09	0.26
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS SUMMARY
AFTER 2 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	320	314	344	366	324	380
(GRAM)	ST.DEV.	37	17	31	44	69	12
	N	3	3	3	3	3	3
BRAIN	MEAN	0.61	0.63	0.57	0.55	0.61	0.53
(%)	ST.DEV.	0.04	0.04	0.06	0.04	0.09	0.02
	N	3	3	3	3	3	3
HEART	MEAN	0.342	0.339	0.344	0.318	0.361	0.342
(%)	ST.DEV.	0.007	0.029	0.055	0.042	0.045	0.009
	N	3	3	3	3	3	3
LIVER	MEAN	2.58	2.63	2.86	2.82	2.93	3.70 **
(%)	ST.DEV.	0.11	0.07	0.30	0.12	0.20	0.22
	N	3	3	3	3	3	3
KIDNEYS	MEAN	0.64	0.66	0.70	0.65	0.67	0.70
(%)	ST.DEV.	0.06	0.05	0.03	0.05	0.04	0.02
	N	3	3	3	3	3	3
ADRENALS	MEAN	0.013	0.013	0.013	0.016	0.013	0.013
(%)	ST.DEV.	0.002	0.003	0.001	0.005	0.001	0.002
	N	3	3	3	3	3	3
SPLEEN	MEAN	0.138	0.181	0.159	0.170	0.169	0.167
(%)	ST.DEV.	0.016	0.011	0.024	0.007	0.019	0.028
	N	3	3	3	3	3	3
TESTES	MEAN	0.88	0.68	0.90	0.92	0.78	0.80
(%)	ST.DEV.	0.04	0.30	0.09	0.06	0.22	0.04
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

ORGAN WEIGHTS (GRAM) SUMMARY
AFTER 2 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	239	211	202	217	224	200
	ST.DEV.	29	17	14	28	11	3
	N	3	3	3	3	3	3
BRAIN	MEAN	1.96	1.89	1.91	1.91	1.92	1.99
	ST.DEV.	0.10	0.07	0.03	0.03	0.02	0.06
	N	3	3	3	3	3	3
HEART	MEAN	0.898	0.858	0.831	0.936	0.840	0.723 **
	ST.DEV.	0.053	0.052	0.056	0.052	0.054	0.018
	N	3	3	3	3	3	3
LIVER	MEAN	7.69	6.82	6.38	7.07	7.19	7.55
	ST.DEV.	1.33	0.86	0.91	0.09	0.67	0.56
	N	3	3	3	3	3	3
KIDNEYS	MEAN	1.54	1.51	1.52	1.60	1.51	1.38
	ST.DEV.	0.16	0.17	0.16	0.12	0.06	0.11
	N	3	3	3	3	3	3
ADRENALS	MEAN	0.055	0.063	0.065	0.069	0.058	0.056
	ST.DEV.	0.003	0.010	0.017	0.005	0.003	0.001
	N	3	3	3	3	3	3
SPLEEN	MEAN	0.420	0.424	0.416	0.414	0.449	0.392
	ST.DEV.	0.042	0.097	0.094	0.016	0.077	0.025
	N	3	3	3	3	3	3
OVARIES	MEAN	0.285	0.130	0.126	0.145	0.133	0.132
	ST.DEV.	0.250	0.005	0.010	0.020	0.015	0.006
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS SUMMARY
AFTER 2 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	239	211	202	217	224	200
(GRAM)	ST.DEV.	29	17	14	28	11	3
	N	3	3	3	3	3	3
BRAIN	MEAN	0.83	0.90	0.95	0.89	0.86	1.00 *
(%)	ST.DEV.	0.08	0.04	0.07	0.10	0.04	0.03
	N	3	3	3	3	3	3
HEART	MEAN	0.378	0.408	0.412	0.435	0.375	0.362
(%)	ST.DEV.	0.024	0.042	0.013	0.042	0.008	0.007
	N	3	3	3	3	3	3
LIVER	MEAN	3.21	3.22	3.15	3.30	3.21	3.78
(%)	ST.DEV.	0.18	0.23	0.23	0.45	0.23	0.32
	N	3	3	3	3	3	3
KIDNEYS	MEAN	0.65	0.72	0.75	0.74	0.68	0.69
(%)	ST.DEV.	0.04	0.08	0.03	0.04	0.06	0.06
	N	3	3	3	3	3	3
ADRENALS	MEAN	0.023	0.030	0.032	0.032	0.026	0.028
(%)	ST.DEV.	0.002	0.006	0.006	0.005	0.001	0.001
	N	3	3	3	3	3	3
SPLEEN	MEAN	0.177	0.199	0.205	0.192	0.202	0.197
(%)	ST.DEV.	0.026	0.028	0.035	0.018	0.041	0.015
	N	3	3	3	3	3	3
OVARIES	MEAN	0.113	0.062	0.063	0.067	0.059	0.066
(%)	ST.DEV.	0.085	0.005	0.007	0.003	0.004	0.004
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

BACK TO MAIN

ORGAN WEIGHTS (GRAM) SUMMARY
AFTER 4 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	389	363	378	401	335	344
	ST.DEV.	28	33	3	36	20	38
	N	3	3	3	3	3	3
BRAIN	MEAN	1.97	2.05	2.09	2.11	2.02	2.00
	ST.DEV.	0.15	0.04	0.03	0.19	0.08	0.07
	N	3	3	3	3	3	3
HEART	MEAN	1.196	1.207	1.217	1.299	1.048	1.231
	ST.DEV.	0.093	0.018	0.077	0.147	0.153	0.248
	N	3	3	3	3	3	3
LIVER	MEAN	10.77	9.78	10.30	10.06	8.84	11.17
	ST.DEV.	1.37	0.44	0.69	0.35	0.63	1.94
	N	3	3	3	3	3	3
KIDNEYS	MEAN	2.44	2.42	2.51	2.59	2.24	2.48
	ST.DEV.	0.23	0.06	0.04	0.24	0.41	0.21
	N	3	3	3	3	3	3
ADRENALS	MEAN	0.046	0.050	0.054	0.056	0.047	0.046
	ST.DEV.	0.011	0.009	0.004	0.013	0.003	0.009
	N	3	3	3	3	3	3
SPLEEN	MEAN	0.614	0.540	0.591	0.720	0.552	0.629
	ST.DEV.	0.040	0.082	0.061	0.037	0.065	0.136
	N	3	3	3	3	3	3
TESTES	MEAN	2.86	3.19	3.11	3.10	3.09	3.27
	ST.DEV.	0.14	0.43	0.06	0.22	0.11	0.30
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

ORGAN/BODY WEIGHT RATIOS SUMMARY
AFTER 4 WEEKS RECOVERY
MALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	389	363	378	401	335	344
(GRAM)	ST.DEV.	28	33	3	36	20	38
	N	3	3	3	3	3	3
BRAIN	MEAN	0.51	0.57	0.55	0.53	0.60 *	0.59
(%)	ST.DEV.	0.03	0.04	0.01	0.03	0.01	0.05
	N	3	3	3	3	3	3
HEART	MEAN	0.308	0.335	0.322	0.324	0.313	0.356
(%)	ST.DEV.	0.027	0.030	0.018	0.016	0.042	0.035
	N	3	3	3	3	3	3
LIVER	MEAN	2.76	2.70	2.72	2.52	2.64	3.23 *
(%)	ST.DEV.	0.17	0.13	0.18	0.21	0.03	0.22
	N	3	3	3	3	3	3
KIDNEYS	MEAN	0.63	0.67	0.66	0.65	0.67	0.72
(%)	ST.DEV.	0.05	0.04	0.01	0.08	0.14	0.02
	N	3	3	3	3	3	3
ADRENALS	MEAN	0.012	0.014	0.014	0.014	0.014	0.014
(%)	ST.DEV.	0.003	0.002	0.001	0.002	0.000	0.004
	N	3	3	3	3	3	3
SPLEEN	MEAN	0.159	0.149	0.156	0.181	0.164	0.182
(%)	ST.DEV.	0.017	0.019	0.016	0.026	0.010	0.022
	N	3	3	3	3	3	3
TESTES	MEAN	0.74	0.88	0.82	0.78	0.92 *	0.95 *
(%)	ST.DEV.	0.04	0.14	0.02	0.05	0.02	0.08
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

ORGAN WEIGHTS (GRAM) SUMMARY
AFTER 4 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	243	228	226	235	226	208
	ST.DEV.	27	11	25	35	13	11
	N	3	3	3	3	3	3
BRAIN	MEAN	1.91	1.97	1.88	1.96	1.88	1.88
	ST.DEV.	0.09	0.06	0.06	0.05	0.08	0.09
	N	3	3	3	3	3	3
HEART	MEAN	0.916	0.851	0.870	0.918	0.860	0.825
	ST.DEV.	0.118	0.109	0.046	0.092	0.065	0.028
	N	3	3	3	3	3	3
LIVER	MEAN	7.01	6.87	6.85	7.30	6.83	7.49
	ST.DEV.	1.14	0.57	0.86	1.56	0.20	0.30
	N	3	3	3	3	3	3
KIDNEYS	MEAN	1.60	1.63	1.54	1.68	1.62	1.68
	ST.DEV.	0.25	0.09	0.14	0.25	0.12	0.12
	N	3	3	3	3	3	3
ADRENALS	MEAN	0.065	0.064	0.062	0.061	0.065	0.058
	ST.DEV.	0.012	0.013	0.008	0.001	0.003	0.010
	N	3	3	3	3	3	3
SPLEEN	MEAN	0.445	0.443	0.426	0.504	0.355	0.427
	ST.DEV.	0.056	0.140	0.065	0.104	0.024	0.060
	N	3	3	3	3	3	3
OVARIES	MEAN	0.133	0.146	0.145	0.165	0.153	0.141
	ST.DEV.	0.013	0.029	0.013	0.040	0.047	0.003
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS SUMMARY
AFTER 4 WEEKS RECOVERY
FEMALES

TREATMENT		GROUP 1 VEHICLE CONTROL	GROUP 2 TELOMER ALCOHOL	GROUP 3 TELOMER ACRYLATE	GROUP 4	GROUP 5 PFHS	GROUP 6 PFOS
BODY W.	MEAN	243	228	226	235	226	208
(GRAM)	ST.DEV.	27	11	25	35	13	11
	N	3	3	3	3	3	3
BRAIN	MEAN	0.79	0.86	0.84	0.85	0.83	0.90
(%)	ST.DEV.	0.08	0.03	0.06	0.12	0.01	0.04
	N	3	3	3	3	3	3
HEART	MEAN	0.379	0.372	0.387	0.392	0.380	0.398
(%)	ST.DEV.	0.039	0.029	0.021	0.021	0.017	0.032
	N	3	3	3	3	3	3
LIVER	MEAN	2.88	3.02	3.03	3.09	3.02	3.61 **
(%)	ST.DEV.	0.20	0.21	0.14	0.29	0.17	0.20
	N	3	3	3	3	3	3
KIDNEYS	MEAN	0.66	0.72	0.69	0.71	0.72	0.81 *
(%)	ST.DEV.	0.04	0.07	0.07	0.05	0.08	0.03
	N	3	3	3	3	3	3
ADRENALS	MEAN	0.027	0.028	0.028	0.026	0.029	0.028
(%)	ST.DEV.	0.005	0.006	0.004	0.003	0.001	0.006
	N	3	3	3	3	3	3
SPLEEN	MEAN	0.184	0.193	0.192	0.216	0.157	0.206
(%)	ST.DEV.	0.023	0.052	0.046	0.048	0.019	0.031
	N	3	3	3	3	3	3
OVARIES	MEAN	0.055	0.064	0.065	0.070	0.068	0.068
(%)	ST.DEV.	0.009	0.010	0.011	0.012	0.023	0.002
	N	3	3	3	3	3	3

*/**: Dunnett-test based on pooled variance sig. at 5% or 1% level.

HISTORICAL DATA HAEMATOLOGY [1]
ANIMALS OF 10-12 WEEKS OF AGE
MALES AND FEMALES

PARAMETER	SEX	N	MEAN	ST. DEV.	MIN.	MAX.
RBC	M	50	7.08	0.36	6.42	7.95
T/l	F	44	6.63	0.32	6	7.5
HB	M	50	9.8	0.5	8.8	10.8
mmol/l	F	44	9.5	0.3	8.9	10.4
HCT	M	50	0.415	0.019	0.384	0.463
l/l	F	44	0.386	0.016	0.353	0.437
MCV	M	50	58.6	1.8	55	63.6
fl	F	44	58.3	1.4	55.4	60.7
MCH	M	50	1.387	0.073	1.245	1.52
fmol	F	44	1.441	0.055	1.345	1.584
MCHC	M	50	23.7	1.1	21.1	25.5
mmol/l	F	44	24.7	0.6	23.5	26.3
PLATELETS	M	50	1137	148	760	1486
G/l	F	44	1114	139	753	1513
RDW	M	50	12.2	0.7	11.1	14.4
%	F	44	11.7	0.6	10.6	13.1
WBC	M	50	11.8	2.7	4.7	17.5
G/l	F	44	9.2	2.6	5.3	18.7
SEG	M	50	0.11	0.049	0.015	0.235
1(rel)	F	44	0.097	0.065	0.02	0.27
EO	M	50	0.006	0.007	0	0.02
1(rel)	F	44	0.008	0.008	0	0.03
BASO	M	50	0	0	0	0
1(rel)	F	44	0	0	0	0
LYMPH	M	50	0.855	0.061	0.705	0.985
1(rel)	F	44	0.87	0.07	0.705	0.965
MONO	M	50	0.028	0.021	0	0.085
1(rel)	F	44	0.025	0.020	0	0.075
PT	M	44	13.2	1	11.2	15.5
sec	F	37	13.9	0.9	12	15.7
PTT	M	44	16.5	1.8	11.9	19.7
sec	F	36	15.5	1.9	10.3	19.4

[1] Data are from Sprague Dawley control rats which received the vehicle (in general 0.9% NaCl) via continuous intravenous infusion. Due to the limited availability of data no confidence intervals were calculated.

HISTORICAL DATA HAEMATOLOGY [1]
ANIMALS OF 13-18 WEEKS OF AGE
MALES AND FEMALES

PARAMETER	SEX	N	MEAN	ST. DEV.	MIN.	MAX.
RBC	M	42	7.34	0.73	5.59	8.7
T/l	F	30	6.81	0.47	5.59	7.65
HB	M	42	9.3	1.3	5.6	11
mmol/l	F	30	8.8	0.6	7	9.9
HCT	M	42	0.399	0.047	0.264	0.472
l/l	F	30	0.376	0.027	0.313	0.423
MCV	M	42	54	2.9	45.3	59.6
fl	F	30	55.2	2.1	51.5	59.8
MCH	M	42	1.251	0.087	0.961	1.391
fmol	F	30	1.3	0.054	1.19	1.42
MCHC	M	42	23.1	0.8	21.2	24.4
mmol/l	F	30	23.6	0.5	22.4	24.6
PLATELETS	M	42	1096	170	669	1455
G/l	F	30	1130	145	855	1515
RDW	M	42	14.6	1.8	12.7	20.5
%	F	30	12.9	0.8	11.6	15.2
WBC	M	42	14.2	5.6	6.1	33.9
G/l	F	30	8.4	2	4.7	12
SEG	M	42	0.157	0.093	0.04	0.505
1(rel)	F	30	0.148	0.102	0.04	0.42
EO	M	42	0.009	0.009	0	0.035
1(rel)	F	30	0.008	0.008	0	0.03
BASO	M	42	0	0	0	0
1(rel)	F	30	0	0	0	0
LYMPH	M	42	0.803	0.108	0.45	0.935
1(rel)	F	30	0.823	0.105	0.54	0.945
MONO	M	42	0.031	0.025	0	0.105
1(rel)	F	30	0.020	0.016	0	0.065
PT	M	38	14.2	1.3	11.9	17.3
sec	F	29	13.8	1	11.9	15.6
PTT	M	38	16.4	2.1	11.6	21.2
sec	F	29	16.3	1.9	12.3	19.6

[1] Data are from Sprague Dawley control rats which received the vehicle (in general 0.9% NaCl) via continuous intravenous infusion. Due to the limited availability of data no confidence intervals were calculated.

HISTORICAL DATA CLINICAL BIOCHEMISTRY [1]
ANIMALS OF 10-12 WEEKS OF AGE
MALES AND FEMALES

PARAMETER	SEX	N	MEAN	ST. DEV.	MIN.	MAX.
ALAT/GPT	M	51	0.66	0.11	0.45	0.98
µkat/l	F	45	0.54	0.15	0.24	1.06
ASAT/GOT	M	51	2.51	0.6	1.54	3.8
µkat/l	F	45	2.46	0.43	1.69	3.48
BILI T.	M	51	2	1	1	4
µmol/l	F	45	3	1	2	5
CHOLEST. T.	M	51	1.95	0.34	1.25	2.98
mmol/l	F	45	2.05	0.4	1.08	3.31
TRIGL.	M	51	0.69	0.37	0.34	2.11
mmol/l	F	45	0.42	0.09	0.26	0.68
CREATININE	M	51	33	6	25	54
µmol/l	F	45	40	6	31	56
GLUCOSE	M	51	6.03	1.07	3.86	8.45
mmol/l	F	45	5.32	0.68	3.87	7.4
UREA	M	51	6.1	1.6	3	8.9
mmol/l	F	45	8.1	2.1	4.5	12.8
PROTEIN T.	M	51	64.1	2.9	57.7	70.9
g/l	F	45	67.4	4.2	59.5	75.5
ALBUMIN	M	51	29.5	1.8	24.5	32.8
g/l	F	45	32.6	2	28.4	36.6
GLOBULIN	M	51	34.6	2.5	29.1	40.9
g/l	F	45	34.8	4.5	25.8	43.7
A/G RATIO	M	51	0.9	0.1	0.6	1
1	F	45	1	0.1	0.7	1.3
ALP	M	51	7.38	1.87	2.94	12.3
µkat/l	F	45	4.3	1.19	2.63	7.86
SODIUM	M	51	143.3	1.6	138.5	146.3
mmol/l	F	45	141.2	1.6	137.5	144.8
POTASSIUM	M	51	4.83	0.43	3.35	5.97
mmol/l	F	45	4.59	0.3	3.97	5.32
CHLORIDE	M	51	100	3	95	106
mmol/l	F	45	101	3	94	110

[1] Data are from Sprague Dawley control rats which received the vehicle (in general 0.9% NaCl) via continuous intravenous infusion. Due to the limited availability of data no confidence intervals were calculated.

BACK TO MAIN

HISTORICAL DATA CLINICAL BIOCHEMISTRY [1]
ANIMALS OF 10-12 WEEKS OF AGE
MALES AND FEMALES

PARAMETER	SEX	N	MEAN	ST. DEV.	MIN.	MAX.
CALCIUM	M	51	2.6	0.09	2.41	2.8
mmol/l	F	45	2.67	0.09	2.46	2.86
INORG. PHOSPH.	M	51	2.78	0.21	2.29	3.27
mmol/l	F	45	2.55	0.25	2.09	3.38

[1] Data are from Sprague Dawley control rats which received the vehicle (in general 0.9% NaCl) via continuous intravenous infusion. Due to the limited availability of data no confidence intervals were calculated.

HISTORICAL DATA CLINICAL BIOCHEMISTRY [1]
ANIMALS OF 13-18 WEEKS OF AGE
MALES AND FEMALES

PARAMETER	SEX	N	MEAN	ST. DEV.	MIN.	MAX.
ALAT/GPT	M	42	0.77	0.38	0.47	2.98
µkat/l	F	28	0.64	0.19	0.33	1.15
ASAT/GOT	M	42	2.64	0.55	1.65	4.05
µkat/l	F	28	2.31	0.42	1.45	3.09
BILI T.	M	42	2	1	1	4
µmol/l	F	28	3	1	2	5
CHOLEST. T.	M	42	1.93	0.43	0.98	2.8
mmol/l	F	28	2.49	0.45	1.69	3.27
TRIGL.	M	42	0.58	0.25	0.23	1.13
mmol/l	F	28	0.47	0.19	0.27	1.24
CREATININE	M	41	37	4	27	46
µmol/l	F	28	42	5	35	52
GLUCOSE	M	42	6.38	1.22	4.21	10.65
mmol/l	F	28	5.93	0.71	5.04	7.43
UREA	M	46	5.5	1.4	3	8.5
mmol/l	F	32	5.7	1.5	3.7	9.6
PROTEIN T.	M	42	66.4	3.8	56	74
g/l	F	28	72.5	3.5	66.8	81
ALBUMIN	M	42	28.1	3	21	32.8
g/l	F	28	32	3.8	23.9	38.2
GLOBULIN	M	42	38.2	4.2	31	49
g/l	F	28	40.5	4.4	34.4	50.8
A/G RATIO	M	42	0.7	0.1	0.4	1
1	F	28	0.8	0.2	0.5	1.1
ALP	M	42	4.21	1.04	2.45	7.55
µkat/l	F	28	3.32	2.51	1.15	14.54
SODIUM	M	42	142	2.4	137.1	148.3
mmol/l	F	28	140	2.7	135.8	147.1
POTASSIUM	M	42	5	0.36	4.38	5.81
mmol/l	F	28	4.43	0.29	3.87	5.19
CHLORIDE	M	42	101	3	96	107
mmol/l	F	28	103	3	98	110

[1] Data are from Sprague Dawley control rats which received the vehicle (in general 0.9% NaCl) via continuous intravenous infusion. Due to the limited availability of data no confidence intervals were calculated.

BACK TO MAIN

HISTORICAL DATA CLINICAL BIOCHEMISTRY [1]
ANIMALS OF 13-18 WEEKS OF AGE
MALES AND FEMALES

PARAMETER	SEX	N	MEAN	ST. DEV.	MIN.	MAX.
CALCIUM	M	42	2.53	0.14	2.23	2.78
mmol/l	F	28	2.5	0.17	2.26	2.8
INORG. PHOSPH.	M	42	2.6	0.24	2.17	3.34
mmol/l	F	28	2.1	0.23	1.65	2.56

[1] Data are from Sprague Dawley control rats which received the vehicle (in general 0.9% NaCl) via continuous intravenous infusion. Due to the limited availability of data no confidence intervals were calculated.

TABLES - INDIVIDUAL DATA

BACK TO MAIN

MORTALITY DATA
MALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
1	03-NOV-98		06-OCT-98	02-NOV-98
2	03-NOV-98		06-OCT-98	02-NOV-98
3	03-NOV-98		06-OCT-98	02-NOV-98
4	03-NOV-98		06-OCT-98	02-NOV-98
5	04-NOV-98		06-OCT-98	03-NOV-98
6	04-NOV-98		06-OCT-98	03-NOV-98
7	04-NOV-98		06-OCT-98	03-NOV-98
8	04-NOV-98		06-OCT-98	03-NOV-98
9	18-NOV-98		06-OCT-98	03-NOV-98
10	18-NOV-98		06-OCT-98	03-NOV-98
11	18-NOV-98		06-OCT-98	03-NOV-98
13	02-DEC-98		06-OCT-98	03-NOV-98
14	02-DEC-98		06-OCT-98	03-NOV-98
15	02-DEC-98		06-OCT-98	03-NOV-98

MALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
17	03-NOV-98		06-OCT-98	02-NOV-98
18	03-NOV-98		06-OCT-98	02-NOV-98
19	03-NOV-98		06-OCT-98	02-NOV-98
20	03-NOV-98		06-OCT-98	02-NOV-98
21	04-NOV-98		06-OCT-98	03-NOV-98
22	04-NOV-98		06-OCT-98	03-NOV-98
23	04-NOV-98		06-OCT-98	03-NOV-98
24	04-NOV-98		06-OCT-98	03-NOV-98
25	18-NOV-98		06-OCT-98	03-NOV-98
26	18-NOV-98		06-OCT-98	03-NOV-98
27	18-NOV-98		06-OCT-98	03-NOV-98
29	02-DEC-98		06-OCT-98	03-NOV-98
30	02-DEC-98		06-OCT-98	03-NOV-98
31	02-DEC-98		06-OCT-98	03-NOV-98

MORTALITY DATA
MALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
33	03-NOV-98		06-OCT-98	02-NOV-98
34	03-NOV-98		06-OCT-98	02-NOV-98
35	03-NOV-98		06-OCT-98	02-NOV-98
36	03-NOV-98		06-OCT-98	02-NOV-98
37	04-NOV-98		06-OCT-98	03-NOV-98
38	04-NOV-98		06-OCT-98	03-NOV-98
39	04-NOV-98		06-OCT-98	03-NOV-98
40	04-NOV-98		06-OCT-98	03-NOV-98
41	18-NOV-98		06-OCT-98	03-NOV-98
42	18-NOV-98		06-OCT-98	03-NOV-98
43	18-NOV-98		06-OCT-98	03-NOV-98
45	02-DEC-98		06-OCT-98	03-NOV-98
46	02-DEC-98		06-OCT-98	03-NOV-98
47	02-DEC-98		06-OCT-98	03-NOV-98

MALES
GROUP 4

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
49	03-NOV-98		06-OCT-98	02-NOV-98
50	03-NOV-98		06-OCT-98	02-NOV-98
51	03-NOV-98		06-OCT-98	02-NOV-98
52	03-NOV-98		06-OCT-98	02-NOV-98
53	04-NOV-98		06-OCT-98	03-NOV-98
54	04-NOV-98		06-OCT-98	03-NOV-98
55	04-NOV-98		06-OCT-98	03-NOV-98
56	04-NOV-98		06-OCT-98	03-NOV-98
57	18-NOV-98		06-OCT-98	03-NOV-98
58	18-NOV-98		06-OCT-98	03-NOV-98
59	18-NOV-98		06-OCT-98	03-NOV-98
61	02-DEC-98		06-OCT-98	03-NOV-98
62	02-DEC-98		06-OCT-98	03-NOV-98
63	02-DEC-98		06-OCT-98	03-NOV-98

MORTALITY DATA
MALES
GROUP 5 (PFHS)

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
65	03-NOV-98		06-OCT-98	02-NOV-98
66	03-NOV-98		06-OCT-98	02-NOV-98
67	03-NOV-98		06-OCT-98	02-NOV-98
68	03-NOV-98		06-OCT-98	02-NOV-98
69	04-NOV-98		06-OCT-98	03-NOV-98
70	04-NOV-98		06-OCT-98	03-NOV-98
71	04-NOV-98		06-OCT-98	03-NOV-98
72	04-NOV-98		06-OCT-98	03-NOV-98
73	18-NOV-98		06-OCT-98	03-NOV-98
74	18-NOV-98		06-OCT-98	03-NOV-98
75	18-NOV-98		06-OCT-98	03-NOV-98
77	02-DEC-98		06-OCT-98	03-NOV-98
78	02-DEC-98		06-OCT-98	03-NOV-98
79	02-DEC-98		06-OCT-98	03-NOV-98

MALES
GROUP 6 (PFOS)

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
81	03-NOV-98		06-OCT-98	02-NOV-98
82	03-NOV-98		06-OCT-98	02-NOV-98
83	03-NOV-98		06-OCT-98	02-NOV-98
84	03-NOV-98		06-OCT-98	02-NOV-98
85	04-NOV-98		06-OCT-98	03-NOV-98
86	04-NOV-98		06-OCT-98	03-NOV-98
87	04-NOV-98		06-OCT-98	03-NOV-98
88	04-NOV-98		06-OCT-98	03-NOV-98
89	18-NOV-98		06-OCT-98	03-NOV-98
90	18-NOV-98		06-OCT-98	03-NOV-98
91	18-NOV-98		06-OCT-98	03-NOV-98
93	02-DEC-98		06-OCT-98	03-NOV-98
94	02-DEC-98		06-OCT-98	03-NOV-98
95	02-DEC-98		06-OCT-98	03-NOV-98

MORTALITY DATA
FEMALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
97	05-NOV-98		08-OCT-98	04-NOV-98
98	05-NOV-98		08-OCT-98	04-NOV-98
99	05-NOV-98		08-OCT-98	04-NOV-98
100	05-NOV-98		08-OCT-98	04-NOV-98
101	06-NOV-98		08-OCT-98	05-NOV-98
102	06-NOV-98		08-OCT-98	05-NOV-98
103	06-NOV-98		08-OCT-98	05-NOV-98
104	06-NOV-98		08-OCT-98	05-NOV-98
105	20-NOV-98		08-OCT-98	05-NOV-98
106	20-NOV-98		08-OCT-98	05-NOV-98
107	20-NOV-98		08-OCT-98	05-NOV-98
109	04-DEC-98		08-OCT-98	05-NOV-98
110	04-DEC-98		08-OCT-98	05-NOV-98
111	04-DEC-98		08-OCT-98	05-NOV-98

FEMALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
113	05-NOV-98		08-OCT-98	04-NOV-98
114	05-NOV-98		08-OCT-98	04-NOV-98
115	05-NOV-98		08-OCT-98	04-NOV-98
116	05-NOV-98		08-OCT-98	04-NOV-98
117	06-NOV-98		08-OCT-98	05-NOV-98
118	06-NOV-98		08-OCT-98	05-NOV-98
119	06-NOV-98		08-OCT-98	05-NOV-98
120	06-NOV-98		08-OCT-98	05-NOV-98
121	20-NOV-98		08-OCT-98	05-NOV-98
122	20-NOV-98		08-OCT-98	05-NOV-98
123	20-NOV-98		08-OCT-98	05-NOV-98
125	04-DEC-98		08-OCT-98	05-NOV-98
126	04-DEC-98		08-OCT-98	05-NOV-98
127	04-DEC-98		08-OCT-98	05-NOV-98

MORTALITY DATA
FEMALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
129		05-NOV-98	08-OCT-98	04-NOV-98
130	05-NOV-98		08-OCT-98	04-NOV-98
131	05-NOV-98		08-OCT-98	04-NOV-98
132	05-NOV-98		08-OCT-98	04-NOV-98
133	06-NOV-98		08-OCT-98	05-NOV-98
134	06-NOV-98		08-OCT-98	05-NOV-98
135	06-NOV-98		08-OCT-98	05-NOV-98
136	06-NOV-98		08-OCT-98	05-NOV-98
137	20-NOV-98		08-OCT-98	05-NOV-98
138	20-NOV-98		08-OCT-98	05-NOV-98
139	20-NOV-98		08-OCT-98	05-NOV-98
141	04-DEC-98		08-OCT-98	05-NOV-98
142	04-DEC-98		08-OCT-98	05-NOV-98
143	04-DEC-98		08-OCT-98	05-NOV-98

FEMALES
GROUP 4

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
145	05-NOV-98		08-OCT-98	04-NOV-98
146	05-NOV-98		08-OCT-98	04-NOV-98
147	05-NOV-98		08-OCT-98	04-NOV-98
148	05-NOV-98		08-OCT-98	04-NOV-98
149	06-NOV-98		08-OCT-98	05-NOV-98
150	06-NOV-98		08-OCT-98	05-NOV-98
151	06-NOV-98		08-OCT-98	05-NOV-98
152	06-NOV-98		08-OCT-98	05-NOV-98
153	20-NOV-98		08-OCT-98	05-NOV-98
154	20-NOV-98		08-OCT-98	05-NOV-98
155	20-NOV-98		08-OCT-98	05-NOV-98
157	04-DEC-98		08-OCT-98	05-NOV-98
158	04-DEC-98		08-OCT-98	05-NOV-98
159	04-DEC-98		08-OCT-98	05-NOV-98

MORTALITY DATA
FEMALES
GROUP 5 (PFHS)

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
161	05-NOV-98		08-OCT-98	04-NOV-98
162	05-NOV-98		08-OCT-98	04-NOV-98
163	05-NOV-98		08-OCT-98	04-NOV-98
164	05-NOV-98		08-OCT-98	04-NOV-98
165	06-NOV-98		08-OCT-98	05-NOV-98
166	06-NOV-98		08-OCT-98	05-NOV-98
167	06-NOV-98		08-OCT-98	05-NOV-98
168	06-NOV-98		08-OCT-98	05-NOV-98
169	20-NOV-98		08-OCT-98	05-NOV-98
170	20-NOV-98		08-OCT-98	05-NOV-98
171	20-NOV-98		08-OCT-98	05-NOV-98
173	04-DEC-98		08-OCT-98	05-NOV-98
174	04-DEC-98		08-OCT-98	05-NOV-98
175	04-DEC-98		08-OCT-98	05-NOV-98

FEMALES
GROUP 6 (PFOS)

ANIMAL	SCHEDULED NECROPSY	OTHER	TREATMENT FROM	TO
177	05-NOV-98		08-OCT-98	04-NOV-98
178	05-NOV-98		08-OCT-98	04-NOV-98
179	05-NOV-98		08-OCT-98	04-NOV-98
180	05-NOV-98		08-OCT-98	04-NOV-98
181	06-NOV-98		08-OCT-98	05-NOV-98
182	06-NOV-98		08-OCT-98	05-NOV-98
183	06-NOV-98		08-OCT-98	05-NOV-98
184	06-NOV-98		08-OCT-98	05-NOV-98
185	20-NOV-98		08-OCT-98	05-NOV-98
186	20-NOV-98		08-OCT-98	05-NOV-98
187	20-NOV-98		08-OCT-98	05-NOV-98
189	04-DEC-98		08-OCT-98	05-NOV-98
190	04-DEC-98		08-OCT-98	05-NOV-98
191	04-DEC-98		08-OCT-98	05-NOV-98

CLINICAL SIGNS
MALES
GROUP 1 (VEHICLE CONTROL)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ANIMAL 2		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (BACK)	G:	.....111111111.....
ALOPECIA (3) (NECK)	G:	.....1111111111111111.....
ALOPECIA (3) (FORELEG LEFT)	G:	...12222222222211111111111111111111111.....
ALOPECIA (3) (HINDLEG LEFT)	G:	......1111111111111331111111111111.....
ALOPECIA (3) (HINDLEG RIGHT)	G:	......11111111111111111111111111111111.....
ANIMAL 3		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (CHEST)	G:	..11.....
SCABS (3) (NECK)	G:	.....1111111111111111111111111.....
ANIMAL 4		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (BACK)	G:	.....111111.....
ALOPECIA (3) (NECK)	G:	.....1111111.....
ANIMAL 9		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (ABDOMEN)	G:	.....1111111111111111111111111111111111..
ALOPECIA (3) (CHEST)	G:	.....
ANIMAL 15		
VARIOUS		
BULGING EYE (1) (EYE RIGHT)	G:	.....
DARK (3) (EYE RIGHT)	G:	.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY
MALES
GROUP 1 (VEHICLE CONTROL)

SIGN (MAX.GRADE) (LOCATION)	RECOVERY WEEKS: 1.....2.....3.....4.....5.
ANIMAL 9	
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (CHEST)	G: .....12222222.
ANIMAL 15	
VARIOUS	
BULGING EYE (1) (EYE RIGHT)	G: 11.....
DARK (3) (EYE RIGHT)	G: 11.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

BACK TO MAIN

CLINICAL SIGNS
MALES
GROUP 2 (TELOMER ALCOHOL)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ANIMAL 17		
SKIN / FUR / PLUMAGE ALOPECIA (3) (NECK)	G:	.....11111.....
ANIMAL 18		
SKIN / FUR / PLUMAGE SCABS (3) (BACK)	G:	.....1.....
ANIMAL 19		
SKIN / FUR / PLUMAGE ALOPECIA (3) (SHOULDER LEFT)	G:	.....11.....
ANIMAL 20		
SKIN / FUR / PLUMAGE WOUND (3) (GENITAL REGION)	G:	.....1.....
ANIMAL 21		
SKIN / FUR / PLUMAGE SCABS (3) (NECK)	G:	.....11.....1111.....
ANIMAL 23		
SKIN / FUR / PLUMAGE ALOPECIA (3) (FORELEG LEFT)	G:	.....1111111.....
ANIMAL 25		
SKIN / FUR / PLUMAGE RED STAINING (3) (PERIORBITAL REGION LEFT)	G:	.....
ANIMAL 26		
SKIN / FUR / PLUMAGE SCABS (3) (SNOUT)	G:	1
ANIMAL 27		
SKIN / FUR / PLUMAGE RED STAINING (3) (PERIORBITAL REGION RIGHT)	G:	.....
ANIMAL 29		
BREATHING RALES (3)	G:	111
SKIN / FUR / PLUMAGE ALOPECIA (3) (ABDOMEN)	G:	1111111111111111111111111111111111111111111111111111

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS
MALES
GROUP 2 (TELOMER ALCOHOL)

SIGN (MAX.GRADE)		TREATMENT
	WEEKS:	1.....2.....3.....4.....5.
	DAYS:	1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.
	TIME:	ABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ANIMAL 30		: :
SKIN / FUR / PLUMAGE		: :
ALOPECIA (3) (CHEEK RIGHT)	G:	.....:.....111111111.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY
MALES
GROUP 2 (TELOMER ALCOHOL)

SIGN (MAX.GRADE) (LOCATION)	RECOVERY WEEKS: 1.....2.....3.....4.....5.
ANIMAL 25	
SKIN / FUR / PLUMAGE	
RED STAINING (3) (PERIORBITAL REGION LEFT)	G: .....111.....
ANIMAL 26	
SKIN / FUR / PLUMAGE	
SCABS (3) (SNOUT)	G: 11.....
ANIMAL 27	
SKIN / FUR / PLUMAGE	
RED STAINING (3) (PERIORBITAL REGION RIGHT)	G: .....1.....
ANIMAL 29	
BREATHING	
RALES (3)	G: 111111111111111..1111.....
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (ABDOMEN)	G: 11111.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

CLINICAL SIGNS
MALES
GROUP 3 (TELOMER ACRYLATE)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ANIMAL 33		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (NECK)	G:	.....111111.....
ALOPECIA (3) (CHEST)	G:	1112222222111111111111111111111111.....
ALOPECIA (3) (FORELEG RIGHT)	G:	11122222221111111111.....
ANIMAL 35		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (FLANK LEFT)	G:	11112221111111111111.....
ALOPECIA (3) (CHEST)	G:	.....111111.....
ALOPECIA (3) (FORELEG RIGHT)	G:	..11111111111111111.....
SCABS (3) (TAIL)	G:	.....1111111111111..
ANIMAL 45		
SKIN / FUR / PLUMAGE		
SCABS (3) (BACK)	G:	.....11...1111.....
RED STAINING (3) (NECK)	G:	.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY
MALES
GROUP 3 (TELOMER ACRYLATE)

SIGN (MAX.GRADE) (LOCATION)	RECOVERY WEEKS: 1.....2.....3.....4.....5.
ANIMAL 45	
SKIN / FUR / PLUMAGE	
RED STAINING (3) (NECK)	G: .....111111.

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

CLINICAL SIGNS
MALES
GROUP 4

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ANIMAL 51		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (FORELEG RIGHT)	G:	.....11...
ANIMAL 56		
SKIN / FUR / PLUMAGE		
RED STAINING (3) (PERIORBITAL REGION LEFT)	G:	.....11111.....
ANIMAL 61		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (EYE RIGHT)	G:	.....
VARIOUS		
EYE RIGHT, INJURED (1)	G:	.....
DEHYDRATED (3) (EYE RIGHT)	G:	.....
BULGING EYE (1) (EYE RIGHT)	G:	.....
DARK (3) (EYE RIGHT)	G:	.....
ANIMAL 62		
VARIOUS		
DARK (3) (EYE RIGHT)	G:	.....
ANIMAL 63		
SKIN / FUR / PLUMAGE		
SCABS (3) (NECK)	G:	.....111111111111.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY
MALES
GROUP 4

SIGN (MAX.GRADE) (LOCATION)	WEEKS:	RECOVERY 1.....2.....3.....4.....5.
ANIMAL 61		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (EYE RIGHT)	G:	.....111111111111111.
VARIOUS		
EYE RIGHT, INJURED (1)	G:	1111111111111111111111111111.
DEHYDRATED (3) (EYE RIGHT)	G:	.22222.....
BULGING EYE (1) (EYE RIGHT)	G:	111111.....
DARK (3) (EYE RIGHT)	G:	111111.....
ANIMAL 62		
VARIOUS		
DARK (3) (EYE RIGHT)	G:	11.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

CLINICAL SIGNS
MALES
GROUP 5 (PFHS)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ANIMAL 65		
SKIN / FUR / PLUMAGE		
RED STAINING (3) (EAR LEFT)	G:	.....11111111111.....
ANIMAL 67		
SKIN / FUR / PLUMAGE		
RED STAINING (3) (SNOUT)	G:	.....11....
ANIMAL 72		
SKIN / FUR / PLUMAGE		
WOUND (3) (BACK)	G:	.....111.....
ANIMAL 74		
POSTURE		
HUNCHED POSTURE (1)	G:	1111
ANIMAL 79		
SKIN / FUR / PLUMAGE		
RED STAINING (3) (NECK)	G:	
RED STAINING (3) (CERVICAL REGION)	G:	
VARIOUS		
DARK (3) (EYE RIGHT)	G:	

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY
MALES
GROUP 5 (PFHS)

SIGN (MAX.GRADE) (LOCATION)	RECOVERY WEEKS: 1.....2.....3.....4.....5.
ANIMAL 74	
POSTURE	
HUNCHED POSTURE (1)	G: 11.....
ANIMAL 79	
SKIN / FUR / PLUMAGE	
RED STAINING (3) (NECK)	G: .....11.....
RED STAINING (3) (CERVICAL REGION)	G: .....11111111111111111.
VARIOUS	
DARK (3) (EYE RIGHT)	G: 11.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

BACK TO MAIN

CLINICAL SIGNS
MALES
GROUP 6 (PFOS)

TREATMENT

WEEKS: 1.....2.....3.....4.....5.
DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.
SIGN (MAX.GRADE) TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABAB

ANIMAL 81

SKIN / FUR / PLUMAGE
SWELLING (3) G: .....111111..
(ABDOMEN)

ANIMAL 87

SKIN / FUR / PLUMAGE
ALOPECIA (3) G: .....11111111111111.....
(CHEEK LEFT)

ANIMAL 93

SKIN / FUR / PLUMAGE
SCABS (3) G: .....1111111.....
(NECK)

ANIMAL 95

SKIN / FUR / PLUMAGE
RED STAINING (3) G: .....
(HEAD)

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY
MALES
GROUP 6 (PFOS)

SIGN (MAX.GRADE) (LOCATION)	RECOVERY WEEKS: 1.....2.....3.....4.....5.
ANIMAL 95	
SKIN / FUR / PLUMAGE	
RED STAINING (3) (HEAD)	G: .....111111111.

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

BACK TO MAIN

CLINICAL SIGNS
FEMALES
GROUP 1 (VEHICLE CONTROL)

TREATMENT

SIGN (MAX.GRADE)		WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ANIMAL 97		
VARIOUS		
MISSING (1) (TAIL APEX)	G:	....1111111111111111111111111111111..
ANIMAL 98		
VARIOUS		
MISSING (1) (TAIL APEX)	G:	....1111111111111111111111111111111..
ANIMAL 104		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (BACK)	G:	....11111111.....
ANIMAL 105		
SKIN / FUR / PLUMAGE		
SCABS (3) (ABDOMEN)	G:	1111111
WOUND (3) (ABDOMEN)	G:	....1.....
ANIMAL 106		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (NECK)	G:	.....
ANIMAL 109		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (FLANK RIGHT)	G:	.....
ALOPECIA (3) (THIGH HIND LEFT)	G:	...11111111111.....111111111.....
ALOPECIA (3) (THIGH HIND RIGHT)	G:	11111111111111.....111111111111111.....111
ANIMAL 110		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (ABDOMEN)	G:	11111111111111111111111111111111111111111111
SECRETION / EXCRETION		
SALIVATION (3)	G:	....1.....
ANIMAL 111		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (GENERAL)	G:	.....
ALOPECIA (3) (CHEEK LEFT)	G:	.....
ALOPECIA (3) (BACK)	G:	.....
ALOPECIA (3) (ABDOMEN)	G:	11112222111111111111111111.....
ALOPECIA (3) (FLANK LEFT)	G:	1111111111111111
ALOPECIA (3) (FLANK RIGHT)	G:	....11111111111111.1111111111111111111111111111111

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS
FEMALES
GROUP 1 (VEHICLE CONTROL)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ALOPECIA (3) (SHOULDER LEFT)	G:	.....1111111111111111111111.....
ALOPECIA (3) (HINDLEG LEFT)	G:	.....111111111111111.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY
FEMALES
GROUP 1 (VEHICLE CONTROL)

SIGN (MAX.GRADE) (LOCATION)	RECOVERY WEEKS: 1.....2.....3.....4.....5.
ANIMAL 105	
SKIN / FUR / PLUMAGE	
SCABS (3) (ABDOMEN)	G: ...1111111111..
ANIMAL 106	
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (NECK)	G: .....1111.
ANIMAL 109	
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (FLANK RIGHT)	G: ....1111.....
ALOPECIA (3) (THIGH HIND LEFT)	G: ...111111111111.....
ALOPECIA (3) (THIGH HIND RIGHT)	G: 111111111111111.....
ANIMAL 111	
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (GENERAL)	G: 11111111111
ALOPECIA (3) (CHEEK LEFT)	G: .....11.....
ALOPECIA (3) (BACK)	G: ......11111111111.....
ALOPECIA (3) (ABDOMEN)	G: ......11111111111.....
ALOPECIA (3) (FLANK LEFT)	G: 11111111111111111.....
ALOPECIA (3) (FLANK RIGHT)	G: 11122222222222222.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

BACK TO MAIN

CLINICAL SIGNS
FEMALES
GROUP 2 (TELOMER ALCOHOL)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ANIMAL 113		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (FORELEGS)	G:	.....1111111112..
ANIMAL 117		
SKIN / FUR / PLUMAGE		
RED STAINING (3) (EAR RIGHT)	G:	.....11.....
ANIMAL 119		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (BACK)	G:	11111
ANIMAL 121		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (HEAD)	G:	.....
ALOPECIA (3) (CHEEK LEFT)	G:	.....
ALOPECIA (3) (CHEEK RIGHT)	G:	11
ALOPECIA (3) (NECK)	G:	.....1.....
SCABS (3) (FLANK LEFT)	G:	.....11.....
ANIMAL 122		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (CHEEK LEFT)	G:	.....
ALOPECIA (3) (CHEEK RIGHT)	G:	.....
SCALES (3) (CHEEK LEFT)	G:	.....
SCALES (3) (CHEEK RIGHT)	G:	.....
ANIMAL 123		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (CHEEK LEFT)	G:	.....1111111111.....
ANIMAL 126		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (NECK)	G:	1111111111111111.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY
FEMALES
GROUP 2 (TELOMER ALCOHOL)

SIGN (MAX.GRADE) (LOCATION)	RECOVERY WEEKS: 1.....2.....3.....4.....5.
ANIMAL 121	
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (HEAD)	G: .....2222211.
ALOPECIA (3) (CHEEK LEFT)	G: .1112222222222.
ALOPECIA (3) (CHEEK RIGHT)	G: ....1222222222.
ANIMAL 122	
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (CHEEK LEFT)	G: .....112222222.
ALOPECIA (3) (CHEEK RIGHT)	G: ....1222222222.
SCALES (3) (CHEEK LEFT)	G: .....1111111.
SCALES (3) (CHEEK RIGHT)	G: .....1111111.

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

CLINICAL SIGNS
FEMALES
GROUP 3 (TELOMER ACRYLATE)

TREATMENT

SIGN (MAX.GRADE)		WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ANIMAL 129		
POSTURE		
HUNCHED POSTURE (1)	G:	.....111111111.....
ANIMAL 131		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (CHEST)	G:	.....11111111111.....
RED STAINING (3) (HEAD)	G:	.....1111111..
RED STAINING (3) (NECK)	G:	.....111111111.....
ANIMAL 132		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (ABDOMEN)	G:	.....1111.....
ALOPECIA (3) (SHOULDER LEFT)	G:	.....1111111.....
RED STAINING (3) (HEAD)	G:	.....1.....1..
RED STAINING (3) (BACK)	G:	.....111111.....
RED STAINING (3) (NECK)	G:	.....1111111111111.....1111.....
ANIMAL 133		
POSTURE		
HUNCHED POSTURE (1)	G:	.....1111111111111.....
ANIMAL 134		
SKIN / FUR / PLUMAGE		
SCABS (3) (NECK)	G:	111111
ANIMAL 136		
SKIN / FUR / PLUMAGE		
SCABS (3) (BACK)	G:	11
RED STAINING (3) (HEAD)	G:	.....1.....
ANIMAL 137		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (ABDOMEN)	G:	1111222211111111.....111.....111111111.....
ANIMAL 138		
POSTURE		
HUNCHED POSTURE (1)	G:	1111111
SKIN / FUR / PLUMAGE		
PILOERECTION (1)	G:	.....
ALOPECIA (3) (ABDOMEN)	G:	.....1111111.....

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS
FEMALES
GROUP 3 (TELOMER ACRYLATE)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ANIMAL 139		
POSTURE		
HUNCHED POSTURE (1)	G:	1
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (ABDOMEN)	G:	11111111111111222221222222222222222222211111111
ANIMAL 141		
SKIN / FUR / PLUMAGE		
RED STAINING (3) (HEAD)	G:	.....
ANIMAL 142		
SKIN / FUR / PLUMAGE		
RED STAINING (3) (HEAD)	G:	.....111.....
ANIMAL 143		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (ABDOMEN)	G:	1111222211111111.1111111.11111111111111111111111111111111111
FISSURES WITH BLEEDINGS (3) (PAW HIND RIGHT)	G:	.....11.....
RED STAINING (3) (PAW HIND RIGHT)	G:	.....111111111111111..

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY
FEMALES
GROUP 3 (TELOMER ACRYLATE)

SIGN (MAX.GRADE) (LOCATION)	RECOVERY WEEKS: 1.....2.....3.....4.....5.
ANIMAL 138	
POSTURE	
HUNCHED POSTURE (1)	G: 11111111111111.
SKIN / FUR / PLUMAGE	
PILOERECTION (1)	G: .1111.....
ANIMAL 139	
POSTURE	
HUNCHED POSTURE (1)	G: 1111111.....
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (ABDOMEN)	G: 11111111111111.
ANIMAL 141	
SKIN / FUR / PLUMAGE	
RED STAINING (3) (HEAD)	G: 11
ANIMAL 142	
SKIN / FUR / PLUMAGE	
RED STAINING (3) (HEAD)	G: 11

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

CLINICAL SIGNS
FEMALES
GROUP 4 ( )

TREATMENT

WEEKS: 1.....2.....3.....4.....5.
DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.
SIGN (MAX.GRADE) TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABABAB

ANIMAL 147

SKIN / FUR / PLUMAGE
ALOPECIA (3) (BACK) G: .....111111111111...111111111111....1111111..

ANIMAL 148

SKIN / FUR / PLUMAGE
SWELLING (3) (EAR RIGHT) G: .....1111111111111.....
RED STAINING (3) (EAR LEFT) G: .....111111111.....
RED STAINING (3) (EAR RIGHT) G: .....11111111111111111111111111111111111111.....

ANIMAL 151

SKIN / FUR / PLUMAGE
ALOPECIA (3) (NECK) G: 11111111

ANIMAL 152

POSTURE
HUNCHED POSTURE (1) G: 11111111111111111111111111
SKIN / FUR / PLUMAGE
RED STAINING (3) (EAR RIGHT) G: 11111111111111111111111111111111111111

ANIMAL 155

SKIN / FUR / PLUMAGE
RED STAINING (3) (EAR RIGHT) G: 1111111111

ANIMAL 157

SKIN / FUR / PLUMAGE
ALOPECIA (3) (NECK) G: 111111111
ALOPECIA (3) (THROAT REGION) G: 22222222222222222222222222222221111
SCALES (3) (THROAT REGION) G: .....1111111111111.....

ANIMAL 159

SKIN / FUR / PLUMAGE
ALOPECIA (3) (NECK) G: 11111111111111111111111111111111111111
SCABS (3) (NECK) G: .....
RED STAINING (3) (EYE RIGHT) G: .....
RED STAINING (3) (PERIORBITAL REGION RIGHT) G: .....
SECRETION / EXCRETION
WATERY DISCHARGE FROM EY (3) (EYE RIGHT) G: .....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

BACK TO MAIN

CLINICAL SIGNS, DAILY
FEMALES
GROUP 4 ( )

SIGN (MAX.GRADE) (LOCATION)	RECOVERY WEEKS: 1	2	3	4	5
ANIMAL 159					
SKIN / FUR / PLUMAGE					
SCABS (3) (NECK)	G:				1.
RED STAINING (3) (EYE RIGHT)	G:	11			
RED STAINING (3) (PERIORBITAL REGION RIGHT)	G:	11		1111	
SECRETION / EXCRETION					
WATERY DISCHARGE FROM EY (3) (EYE RIGHT)	G:		11		

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

CLINICAL SIGNS
FEMALES
GROUP 5 (PFHS)

```
                                TREATMENT
                          WEEKS: 1.....2.....3.....4.....5.
                          DAYS:  1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.
SIGN (MAX.GRADE)          TIME:  ABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
-------------------------------------------------------------------------------------------
ANIMAL 162                       : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
---------------------------------: : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
SKIN / FUR / PLUMAGE             : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
  ALOPECIA (3)              G: ..1111111112222221111111111222222222211111222222222222222..
  (NECK)
  SCABS (3)                 G: 1111112222111111111111122222211111111111111111111111111...
  (NECK)
  WOUND (3)                 G: ........11..111112222211.....................................
  (NECK)

ANIMAL 163                       : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
---------------------------------: : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
POSTURE                          : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
  HUNCHED POSTURE (1)       G: ...........................................................1..

ANIMAL 166                       : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
---------------------------------: : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
SKIN / FUR / PLUMAGE             : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
  ALOPECIA (3)              G: .....................1111111111.....................................
  (NECK)

ANIMAL 167                       : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
---------------------------------: : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
SKIN / FUR / PLUMAGE             : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
  ALOPECIA (3)              G: ............................111111111111111.....................
  (NECK)

ANIMAL 169                       : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
---------------------------------: : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
SKIN / FUR / PLUMAGE             : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
  ALOPECIA (3)              G: ................................1.....................................
  (BACK)
SECRETION / EXCRETION
  SALIVATION (3)            G: .......1.....................................................

ANIMAL 173                       : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
---------------------------------: : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
SKIN / FUR / PLUMAGE             : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
  ALOPECIA (3)              G: .....................11111111111111111111132.....................
  (NECK)
  ALOPECIA (3)              G: ............11111111..........111111111111.....................
  (ABDOMEN)
  ALOPECIA (3)              G: ...........................................................1..
  (SHOULDER RIGHT)

ANIMAL 174                       : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
---------------------------------: : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
SKIN / FUR / PLUMAGE             : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
  ALOPECIA (3)              G: .....................11111112111111.....................
  (BACK)
  ALOPECIA (3)              G: ............1111111111222222222222222222222222111111111111
  (ABDOMEN)

ANIMAL 175                       : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
---------------------------------: : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
SKIN / FUR / PLUMAGE             : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
  ALOPECIA (3)              G: .....................11111111111111.....................
  (NECK)
  ALOPECIA (3)              G: ...........................................................
  (HINDLEG RIGHT)
```

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY
FEMALES
GROUP 5 (PFHS)

SIGN (MAX.GRADE) (LOCATION)	RECOVERY WEEKS: 1.....2.....3.....4.....5.
ANIMAL 173	
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (NECK)	G: 11111111111111111111
ANIMAL 174	
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (BACK)	G: 11
ALOPECIA (3) (ABDOMEN)	G: 111....11111111111111111111
ANIMAL 175	
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (NECK)	G: 111.....11111111111111111
ALOPECIA (3) (HINDLEG RIGHT)	G: ......1111.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

BACK TO MAIN

CLINICAL SIGNS
FEMALES
GROUP 6 (PFOS)

SIGN (MAX.GRADE)		TREATMENT WEEKS: 1.....2.....3.....4.....5. DAYS: 1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1.2.3.4.5.6.7.1. TIME: ABABABABABABABABABABABABABABABABABABABABABABABABABABABAB
ANIMAL 178		
POSTURE		
HUNCHED POSTURE (1)	G:	.....111111.....
SKIN / FUR / PLUMAGE		
RED STAINING (3) (SNOUT)	G:	.....1111...
ANIMAL 179		
POSTURE		
HUNCHED POSTURE (1)	G:	.....11111111.....
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (FORELEG LEFT)	G:	.....111111112..222222222222222..
ALOPECIA (3) (FORELEG RIGHT)	G:	.....222222222..222222222222222..
ANIMAL 183		
SKIN / FUR / PLUMAGE		
SCABS (3) (NECK)	G:	.....1111111.....
ANIMAL 185		
SKIN / FUR / PLUMAGE		
RED STAINING (3) (HEAD)	G:	.....
ANIMAL 186		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (ABDOMEN)	G:	.....11111111111111111111111.....
RED STAINING (3) (HEAD)	G:	.....
ANIMAL 187		
SKIN / FUR / PLUMAGE		
RED STAINING (3) (HEAD)	G:	.....
RED STAINING (3) (EAR LEFT)	G:	.....
RED STAINING (3) (EAR RIGHT)	G:	.....
RED STAINING (3) (NECK)	G:	.....1111.....
ANIMAL 189		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (ABDOMEN)	G:	.....1111.....
ANIMAL 190		
SKIN / FUR / PLUMAGE		
ALOPECIA (3) (ABDOMEN)	G:	.....111111.....111111...111111111111

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest grades
Time after treatment (H.Mi) A: 0.00 B: 4.00

CLINICAL SIGNS, DAILY
FEMALES
GROUP 6 (PFOS)

SIGN (MAX.GRADE) (LOCATION)	RECOVERY WEEKS: 1.....2.....3.....4.....5.
ANIMAL 185	
SKIN / FUR / PLUMAGE	
RED STAINING (3) (HEAD)	G: ...11.....
ANIMAL 186	
SKIN / FUR / PLUMAGE	
RED STAINING (3) (HEAD)	G: ...11111111111.
ANIMAL 187	
SKIN / FUR / PLUMAGE	
RED STAINING (3) (HEAD)	G: 1113211.....11.
RED STAINING (3) (EAR LEFT)	G: ...111111111...
RED STAINING (3) (EAR RIGHT)	G: .....111...
RED STAINING (3) (NECK)	G: .....11111.
ANIMAL 190	
SKIN / FUR / PLUMAGE	
ALOPECIA (3) (ABDOMEN)	G: 11111.....

NO FURTHER CLINICAL SIGNS NOTED IN THIS GROUP

G: Highest daily grades

BACK TO MAIN

BODY WEIGHTS (GRAM)
MALES

	TREATMENT								
DAYS	1	5	8	12	15	19	22	25	28
WEEKS	1	1	2	2	3	3	4	4	4
ANIMAL									
GROUP 1 (VEHICLE CONTROL)									
1	232	219	235	257	262	281	289	301	309
2	202	253	274	297	311	332	341	354	365
3	228	252	274	300	313	341	351	360	377
4	196	214	230	246	255	271	282	288	298
5	209	235	258	278	288	301	308	322	330
6	221	249	270	288	304	319	334	350	356
7	222	245	269	297	316	341	349	368	381
8	197	221	244	266	280	297	304	317	322
9	207	236	247	274	277	303	310	322	336
10	184	206	207	229	226	245	251	260	276
11	207	232	240	264	277	295	310	316	328
12	---	---	---	---	---	---	---	---	---
13	208	238	250	281	285	311	323	345	356
14	190	217	227	254	262	286	299	309	322
15	211	233	243	270	275	309	319	328	342
16	---	---	---	---	---	---	---	---	---
GROUP 2 (TELOMER ALCOHOL)									
17	224	245	265	286	299	319	329	342	359
18	230	261	280	307	329	354	359	384	389
19	219	241	259	277	288	311	322	327	342
20	209	235	251	270	285	300	307	320	328
21	189	217	238	270	287	310	322	338	348
22	228	254	277	304	321	343	348	363	386
23	216	241	262	288	302	322	328	336	343
24	228	248	264	284	300	307	321	333	346
25	205	230	237	265	265	289	292	308	319
26	190	209	217	237	245	269	277	287	294
27	197	223	235	256	260	283	288	303	311
28	---	---	---	---	---	---	---	---	---
29	208	232	240	270	277	292	298	310	317
30	217	249	257	290	297	320	333	347	360
31	212	234	245	267	273	289	297	313	320
32	---	---	---	---	---	---	---	---	---
GROUP 3 (TELOMER ACRYLATE)									
33	220	243	261	278	296	317	327	346	352
34	191	216	234	259	273	288	301	312	318
35	224	242	250	267	277	294	306	314	329
36	211	233	250	269	281	301	313	323	328
37	220	243	263	278	290	304	316	327	331
38	211	236	261	282	298	320	327	340	355
39	206	231	251	280	287	314	322	334	349
40	206	232	255	276	290	306	319	327	332
41	216	245	261	292	294	319	331	355	365
42	197	220	227	257	262	289	300	310	325
43	210	235	246	275	288	302	313	326	337
44	---	---	---	---	---	---	---	---	---
45	201	227	235	269	271	304	310	326	341
46	213	242	249	278	283	304	311	325	336
47	206	229	234	267	270	298	313	324	338
48	---	---	---	---	---	---	---	---	---
GROUP 4									
49	222	239	248	268	278	294	303	308	324
50	201	228	244	268	280	301	303	316	333
51	217	246	264	294	310	336	345	360	378
52	211	244	267	294	308	335	338	347	360
53	209	236	252	278	288	315	324	346	354

BACK TO MAIN

BODY WEIGHTS (GRAM)
MALES

	RECOVERY								
DAYS	1	5	8	12	14	19	22	25	28
WEEKS	1	1	2	2	2	3	4	4	4
ANIMAL									
GROUP 1 (VEHICLE CONTROL)									
1	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---
9	318	348	359	364	373	---	---	---	---
10	253	279	285	299	303	---	---	---	---
11	310	339	351	362	366	---	---	---	---
12	---	---	---	---	---	---	---	---	---
13	334	370	381	394	398	414	421	435	440
14	297	337	341	348	353	365	373	385	387
15	314	354	361	379	378	393	403	415	419
16	---	---	---	---	---	---	---	---	---
GROUP 2 (TELOMER ALCOHOL)									
17	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---
25	298	330	337	346	354	---	---	---	---
26	277	303	308	319	320	---	---	---	---
27	289	318	330	342	345	---	---	---	---
28	---	---	---	---	---	---	---	---	---
29	289	315	317	334	328	342	349	353	355
30	336	385	388	402	401	413	416	430	429
31	296	334	345	357	358	371	381	389	388
32	---	---	---	---	---	---	---	---	---
GROUP 3 (TELOMER ACRYLATE)									
33	---	---	---	---	---	---	---	---	---
34	---	---	---	---	---	---	---	---	---
35	---	---	---	---	---	---	---	---	---
36	---	---	---	---	---	---	---	---	---
37	---	---	---	---	---	---	---	---	---
38	---	---	---	---	---	---	---	---	---
39	---	---	---	---	---	---	---	---	---
40	---	---	---	---	---	---	---	---	---
41	336	388	390	404	408	---	---	---	---
42	298	314	325	341	347	---	---	---	---
43	312	347	350	359	359	---	---	---	---
44	---	---	---	---	---	---	---	---	---
45	314	352	361	379	378	395	403	412	414
46	312	351	357	375	379	391	402	411	413
47	310	351	354	373	372	381	393	398	409
48	---	---	---	---	---	---	---	---	---
GROUP 4									
49	---	---	---	---	---	---	---	---	---
50	---	---	---	---	---	---	---	---	---
51	---	---	---	---	---	---	---	---	---
52	---	---	---	---	---	---	---	---	---
53	---	---	---	---	---	---	---	---	---

BACK TO MAIN

BODY WEIGHTS (GRAM)
MALES

	TREATMENT								
DAYS	1	5	8	12	15	19	22	25	28
WEEKS	1	1	2	2	3	3	4	4	4
ANIMAL									
GROUP 4 (									
54	223	252	270	296	300	321	330	340	352
55	206	232	246	263	268	290	293	306	313
56	200	223	232	249	252	267	266	278	285
57	206	240	252	290	298	336	348	374	398
58	203	235	247	270	281	309	321	334	348
59	199	228	237	266	276	299	304	314	325
60	---	---	---	---	---	---	---	---	---
61	229	264	278	317	327	359	369	380	397
62	215	238	253	283	288	316	321	345	359
63	205	230	240	268	274	291	300	316	329
64	---	---	---	---	---	---	---	---	---
GROUP 5 (PFHS)									
65	234	257	282	310	284	351	364	381	392
66	199	217	231	254	267	282	285	298	299
67	211	232	248	270	281	300	304	315	327
68	214	233	249	273	283	301	310	322	324
69	204	225	246	269	273	296	295	308	315
70	226	257	281	305	318	343	355	375	379
71	208	234	258	282	296	315	317	330	337
72	211	237	259	280	291	310	314	329	334
73	222	254	268	297	307	338	343	365	380
74	189	203	201	224	219	241	245	255	256
75	197	220	231	264	266	296	307	321	333
76	---	---	---	---	---	---	---	---	---
77	206	233	240	267	272	299	306	318	327
78	184	210	211	233	236	263	271	287	290
79	200	226	238	255	255	276	285	291	301
80	---	---	---	---	---	---	---	---	---
GROUP 6 (PFOS)									
81	198	221	242	263	283	300	310	322	331
82	203	231	252	275	283	298	302	312	327
83	200	228	248	269	281	300	307	316	325
84	213	240	260	281	295	311	314	333	338
85	222	254	277	314	328	360	371	388	394
86	213	237	252	275	279	294	295	311	322
87	227	256	281	310	327	350	361	380	381
88	211	236	252	279	292	312	320	336	345
89	222	253	270	304	317	343	352	374	386
90	212	240	254	284	289	321	335	349	364
91	204	234	242	276	282	318	333	351	362
92	---	---	---	---	---	---	---	---	---
93	187	204	207	229	227	242	247	261	265
94	220	247	250	277	276	299	305	320	325
95	211	237	246	275	275	295	301	312	321
96	---	---	---	---	---	---	---	---	---

BACK TO MAIN

BODY WEIGHTS (GRAM)
MALES

	RECOVERY								
DAYS	1	5	8	12	14	19	22	25	28
WEEKS	1	1	2	2	2	3	4	4	4
ANIMAL									
GROUP 4 (									
54	---	---	---	---	---	---	---	---	---
55	---	---	---	---	---	---	---	---	---
56	---	---	---	---	---	---	---	---	---
57	365	414	426	449	456	---	---	---	---
58	321	363	367	383	383	---	---	---	---
59	301	338	344	357	356	---	---	---	---
60	---	---	---	---	---	---	---	---	---
61	362	406	424	437	429	453	462	473	468
62	326	370	383	402	398	420	428	441	443
63	302	342	353	370	368	383	387	396	394
64	---	---	---	---	---	---	---	---	---
GROUP 5 (PFHS)									
65	---	---	---	---	---	---	---	---	---
66	---	---	---	---	---	---	---	---	---
67	---	---	---	---	---	---	---	---	---
68	---	---	---	---	---	---	---	---	---
69	---	---	---	---	---	---	---	---	---
70	---	---	---	---	---	---	---	---	---
71	---	---	---	---	---	---	---	---	---
72	---	---	---	---	---	---	---	---	---
73	352	397	412	420	418	---	---	---	---
74	234	264	274	277	275	---	---	---	---
75	307	342	350	365	361	---	---	---	---
76	---	---	---	---	---	---	---	---	---
77	305	345	356	357	360	369	373	392	386
78	267	301	314	321	324	335	339	360	350
79	279	313	319	325	331	337	341	353	350
80	---	---	---	---	---	---	---	---	---
GROUP 6 (PFOS)									
81	---	---	---	---	---	---	---	---	---
82	---	---	---	---	---	---	---	---	---
83	---	---	---	---	---	---	---	---	---
84	---	---	---	---	---	---	---	---	---
85	---	---	---	---	---	---	---	---	---
86	---	---	---	---	---	---	---	---	---
87	---	---	---	---	---	---	---	---	---
88	---	---	---	---	---	---	---	---	---
89	354	408	412	428	429	---	---	---	---
90	340	380	384	397	404	---	---	---	---
91	339	377	390	405	408	---	---	---	---
92	---	---	---	---	---	---	---	---	---
93	245	276	284	296	298	306	315	331	326
94	306	343	349	362	362	381	387	396	401
95	293	329	338	356	355	366	375	385	384
96	---	---	---	---	---	---	---	---	---

BODY WEIGHTS (GRAM)
FEMALES

	TREATMENT								
DAYS	1	5	8	12	15	19	22	25	28
WEEKS	1	1	2	2	3	3	4	4	4
ANIMAL									
GROUP 1 (VEHICLE CONTROL)									
97	168	172	176	189	200	210	217	222	220
98	164	170	179	193	196	209	207	208	217
99	165	171	180	195	199	213	212	224	227
100	179	178	193	208	197	218	220	228	244
101	182	190	208	221	234	246	248	267	268
102	194	200	204	212	231	238	243	248	251
103	163	164	172	180	177	189	200	207	206
104	179	193	201	213	222	235	233	248	252
105	158	169	171	189	189	200	202	217	219
106	196	210	218	237	241	255	257	268	275
107	172	180	185	202	200	213	206	225	232
108	---	---	---	---	---	---	---	---	---
109	163	162	166	179	181	188	195	199	204
110	169	180	185	204	200	219	215	238	247
111	184	192	197	211	216	230	235	243	243
112	---	---	---	---	---	---	---	---	---
GROUP 2 (TELOMER ALCOHOL)									
113	170	176	184	191	205	213	222	233	227
114	182	191	206	220	230	249	255	266	271
115	182	184	195	203	208	222	219	234	238
116	180	188	194	207	218	229	233	242	242
117	157	167	173	184	191	204	200	214	224
118	168	174	176	190	200	212	216	227	221
119	163	168	178	193	202	211	213	220	233
120	166	182	191	198	211	218	214	238	241
121	163	170	168	178	178	189	195	208	208
122	163	171	169	184	180	193	206	212	209
123	175	183	187	200	204	216	221	236	238
124	---	---	---	---	---	---	---	---	---
125	162	165	172	184	186	204	203	209	216
126	164	168	166	181	183	197	199	208	211
127	166	182	184	205	202	220	223	230	236
128	---	---	---	---	---	---	---	---	---
GROUP 3 (TELOMER ACRYLATE)									
129	170	179	185	192	190	205	204	220	225
130	154	161	167	177	175	186	191	206	208
131	171	171	186	195	201	211	212	218	222
132	175	180	193	201	209	212	221	228	231
133	153	164	166	176	180	191	192	203	203
134	172	181	192	197	198	206	218	234	236
135	181	192	198	216	222	237	244	250	249
136	166	170	183	192	184	199	204	218	215
137	157	164	167	181	188	204	212	218	214
138	167	177	176	184	182	185	183	195	201
139	158	157	162	175	176	191	197	202	199
140	---	---	---	---	---	---	---	---	---
141	154	163	169	186	186	200	197	203	206
142	160	164	166	182	178	191	192	205	204
143	183	192	199	215	215	230	229	249	248
144	---	---	---	---	---	---	---	---	---
GROUP 4 ( )									
145	167	176	180	193	195	204	201	217	220
146	181	193	197	210	218	233	229	248	250
147	181	187	187	205	219	231	237	242	243
148	152	154	159	175	183	194	196	207	205
149	184	185	203	215	216	230	238	240	248

BACK TO MAIN

BODY WEIGHTS (GRAM)
FEMALES

	RECOVERY								
DAYS	1	5	8	12	14	19	22	25	28
WEEKS	1	1	2	2	2	3	4	4	4
ANIMAL									
GROUP 1 (VEHICLE CONTROL)									
97	---	---	---	---	---	---	---	---	---
98	---	---	---	---	---	---	---	---	---
99	---	---	---	---	---	---	---	---	---
100	---	---	---	---	---	---	---	---	---
101	---	---	---	---	---	---	---	---	---
102	---	---	---	---	---	---	---	---	---
103	---	---	---	---	---	---	---	---	---
104	---	---	---	---	---	---	---	---	---
105	200	223	222	227	243	---	---	---	---
106	249	277	282	288	301	---	---	---	---
107	206	225	237	243	247	---	---	---	---
108	---	---	---	---	---	---	---	---	---
109	185	210	214	219	220	222	226	230	237
110	217	245	257	264	267	272	275	281	290
111	222	251	254	262	261	267	274	278	278
112	---	---	---	---	---	---	---	---	---
GROUP 2 (TELOMER ALCOHOL)									
113	---	---	---	---	---	---	---	---	---
114	---	---	---	---	---	---	---	---	---
115	---	---	---	---	---	---	---	---	---
116	---	---	---	---	---	---	---	---	---
117	---	---	---	---	---	---	---	---	---
118	---	---	---	---	---	---	---	---	---
119	---	---	---	---	---	---	---	---	---
120	---	---	---	---	---	---	---	---	---
121	191	211	215	223	217	---	---	---	---
122	193	218	222	232	223	---	---	---	---
123	214	241	244	254	255	---	---	---	---
124	---	---	---	---	---	---	---	---	---
125	198	225	222	232	236	243	247	248	244
126	194	226	227	235	232	234	240	242	244
127	211	237	246	252	258	260	265	263	266
128	---	---	---	---	---	---	---	---	---
GROUP 3 (TELOMER ACRYLATE)									
129	---	---	---	---	---	---	---	---	---
130	---	---	---	---	---	---	---	---	---
131	---	---	---	---	---	---	---	---	---
132	---	---	---	---	---	---	---	---	---
133	---	---	---	---	---	---	---	---	---
134	---	---	---	---	---	---	---	---	---
135	---	---	---	---	---	---	---	---	---
136	---	---	---	---	---	---	---	---	---
137	201	232	235	247	244	---	---	---	---
138	177	198	199	212	211	---	---	---	---
139	182	215	215	229	224	---	---	---	---
140	---	---	---	---	---	---	---	---	---
141	190	211	212	220	224	232	239	235	232
142	184	211	216	225	218	228	229	233	234
143	221	249	255	267	267	276	277	278	278
144	---	---	---	---	---	---	---	---	---
GROUP 4 ( )									
145	---	---	---	---	---	---	---	---	---
146	---	---	---	---	---	---	---	---	---
147	---	---	---	---	---	---	---	---	---
148	---	---	---	---	---	---	---	---	---
149	---	---	---	---	---	---	---	---	---

BACK TO MAIN

BODY WEIGHTS (GRAM)
FEMALES

	TREATMENT								
DAYS	1	5	8	12	15	19	22	25	28
WEEKS	1	1	2	2	3	3	4	4	4
ANIMAL									
GROUP 4	)								
150	172	181	192	213	222	232	234	237	245
151	160	167	170	187	194	196	209	223	222
152	162	169	178	188	186	202	206	221	225
153	158	159	159	172	177	187	196	205	207
154	177	192	194	214	211	229	232	251	255
155	163	169	173	191	188	199	206	217	219
156	---	---	---	---	---	---	---	---	---
157	167	173	172	192	195	212	212	218	218
158	162	169	169	189	188	199	196	218	210
159	194	207	210	231	238	251	262	269	272
160	---	---	---	---	---	---	---	---	---
GROUP 5 (PFHS)									
161	166	171	179	191	192	205	208	210	216
162	169	177	185	203	200	211	210	222	227
163	167	172	179	187	182	197	204	214	214
164	171	172	181	191	194	207	206	218	223
165	157	155	167	180	191	202	210	214	220
166	173	172	187	195	203	216	226	237	234
167	166	162	164	180	189	200	202	209	211
168	185	190	197	213	224	233	240	250	250
169	177	189	191	204	203	223	221	231	236
170	167	174	177	187	186	200	203	217	215
171	168	183	187	204	199	214	222	232	237
172	---	---	---	---	---	---	---	---	---
173	175	177	181	196	194	202	209	220	216
174	175	185	185	202	204	221	223	236	236
175	153	161	164	176	179	193	190	204	206
176	---	---	---	---	---	---	---	---	---
GROUP 6 (PFOS)									
177	177	187	197	212	215	229	233	245	240
178	154	152	162	172	169	179	179	185	186
179	173	181	187	193	184	196	202	210	212
180	169	167	174	184	186	192	194	200	194
181	185	182	188	194	198	204	201	205	206
182	169	178	179	190	199	208	207	217	220
183	172	172	184	196	193	202	209	215	210
184	164	166	178	191	184	198	204	206	212
185	161	176	172	189	189	211	209	212	204
186	161	173	172	189	192	202	199	203	206
187	157	159	168	180	178	187	194	201	203
188	---	---	---	---	---	---	---	---	---
189	160	162	165	179	178	187	188	193	197
190	157	163	167	180	179	195	200	208	215
191	166	172	169	181	180	186	183	192	193
192	---	---	---	---	---	---	---	---	---

BODY WEIGHTS (GRAM)
FEMALES

	RECOVERY								
DAYS	1	5	8	12	14	19	22	25	28
WEEKS	1	1	2	2	2	3	4	4	4
ANIMAL									
GROUP 4									
150	---	---	---	---	---	---	---	---	---
151	---	---	---	---	---	---	---	---	---
152	---	---	---	---	---	---	---	---	---
153	189	221	228	238	236	---	---	---	---
154	230	257	263	273	271	---	---	---	---
155	201	228	234	238	234	---	---	---	---
156	---	---	---	---	---	---	---	---	---
157	205	225	233	237	235	232	240	250	243
158	197	220	214	222	237	240	241	245	240
159	252	267	268	280	277	286	293	301	303
160	---	---	---	---	---	---	---	---	---
GROUP 5 (PFHS)									
161	---	---	---	---	---	---	---	---	---
162	---	---	---	---	---	---	---	---	---
163	---	---	---	---	---	---	---	---	---
164	---	---	---	---	---	---	---	---	---
165	---	---	---	---	---	---	---	---	---
166	---	---	---	---	---	---	---	---	---
167	---	---	---	---	---	---	---	---	---
168	---	---	---	---	---	---	---	---	---
169	220	236	247	248	248	---	---	---	---
170	198	220	227	236	232	---	---	---	---
171	216	243	245	258	257	---	---	---	---
172	---	---	---	---	---	---	---	---	---
173	200	226	225	233	226	238	239	250	249
174	216	249	251	256	254	258	263	273	269
175	188	211	217	227	229	234	237	239	244
176	---	---	---	---	---	---	---	---	---
GROUP 6 (PFOS)									
177	---	---	---	---	---	---	---	---	---
178	---	---	---	---	---	---	---	---	---
179	---	---	---	---	---	---	---	---	---
180	---	---	---	---	---	---	---	---	---
181	---	---	---	---	---	---	---	---	---
182	---	---	---	---	---	---	---	---	---
183	---	---	---	---	---	---	---	---	---
184	---	---	---	---	---	---	---	---	---
185	188	216	218	226	222	---	---	---	---
186	187	212	219	221	220	---	---	---	---
187	184	207	214	223	223	---	---	---	---
188	---	---	---	---	---	---	---	---	---
189	178	197	204	209	215	219	218	219	221
190	196	216	222	227	228	239	235	238	244
191	177	194	201	209	213	220	218	220	222
192	---	---	---	---	---	---	---	---	---

BODY WEIGHT GAIN (%)
MALES

	TREATMENT								
DAYS	1	5	8	12	15	19	22	25	28
WEEKS	1	1	2	2	3	3	4	4	4
ANIMAL									
GROUP 1 (VEHICLE CONTROL)									
1	0	-6	1	11	13	21	25	30	33
2	0	25	36	47	54	64	69	75	81
3	0	11	20	32	37	50	54	58	65
4	0	9	17	26	30	38	44	47	52
5	0	12	23	33	38	44	47	54	58
6	0	13	22	30	38	44	51	58	61
7	0	10	21	34	42	54	57	66	72
8	0	12	24	35	42	51	54	61	63
9	0	14	19	32	34	46	50	56	62
10	0	12	13	24	23	33	36	41	50
11	0	12	16	28	34	43	50	53	58
12	---	---	---	---	---	---	---	---	---
13	0	14	20	35	37	50	55	66	71
14	0	14	19	34	38	51	57	63	69
15	0	10	15	28	30	46	51	55	62
16	---	---	---	---	---	---	---	---	---
GROUP 2 (TELOMER ALCOHOL)									
17	0	9	18	28	33	42	47	53	60
18	0	13	22	33	43	54	56	67	69
19	0	10	18	26	32	42	47	49	56
20	0	12	20	29	36	44	47	53	57
21	0	15	26	43	52	64	70	79	84
22	0	11	21	33	41	50	53	59	69
23	0	12	21	33	40	49	52	56	59
24	0	9	16	25	32	35	41	46	52
25	0	12	16	29	29	41	42	50	56
26	0	10	14	25	29	42	46	51	55
27	0	13	19	30	32	44	46	54	58
28	---	---	---	---	---	---	---	---	---
29	0	12	15	30	33	40	43	49	52
30	0	15	18	34	37	47	53	60	66
31	0	10	16	26	29	36	40	48	51
32	---	---	---	---	---	---	---	---	---
GROUP 3 (TELOMER ACRYLATE)									
33	0	10	19	26	35	44	49	57	60
34	0	13	23	36	43	51	58	63	66
35	0	8	12	19	24	31	37	40	47
36	0	10	18	27	33	43	48	53	55
37	0	10	20	26	32	38	44	49	50
38	0	12	24	34	41	52	55	61	68
39	0	12	22	36	39	52	56	62	69
40	0	13	24	34	41	49	55	59	61
41	0	13	21	35	36	48	53	64	69
42	0	12	15	30	33	47	52	57	65
43	0	12	17	31	37	44	49	55	60
44	---	---	---	---	---	---	---	---	---
45	0	13	17	34	35	51	54	62	70
46	0	14	17	31	33	43	46	53	58
47	0	11	14	30	31	45	52	57	64
48	---	---	---	---	---	---	---	---	---
GROUP 4									
49	0	8	12	21	25	32	36	39	46
50	0	13	21	33	39	50	51	57	66
51	0	13	22	35	43	55	59	66	74
52	0	16	27	39	46	59	60	64	71
53	0	13	21	33	38	51	55	66	69

BACK TO MAIN

BODY WEIGHT GAIN (%)
MALES

	RECOVERY								
DAYS	1	5	8	12	14	19	22	25	28
WEEKS	1	1	2	2	2	3	4	4	4
ANIMAL									
GROUP 1 (VEHICLE CONTROL)									
1	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---
9	54	68	73	76	80	---	---	---	---
10	38	52	55	63	65	---	---	---	---
11	50	64	70	75	77	---	---	---	---
12	---	---	---	---	---	---	---	---	---
13	61	78	83	89	91	99	102	109	112
14	56	77	79	83	86	92	96	103	104
15	49	68	71	80	79	86	91	97	99
16	---	---	---	---	---	---	---	---	---
GROUP 2 (TELOMER ALCOHOL)									
17	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---
25	45	61	64	69	73	---	---	---	---
26	46	59	62	68	68	---	---	---	---
27	47	61	68	74	75	---	---	---	---
28	---	---	---	---	---	---	---	---	---
29	39	51	52	61	58	64	68	70	71
30	55	77	79	85	85	90	92	98	98
31	40	58	63	68	69	75	80	83	83
32	---	---	---	---	---	---	---	---	---
GROUP 3 (TELOMER ACRYLATE)									
33	---	---	---	---	---	---	---	---	---
34	---	---	---	---	---	---	---	---	---
35	---	---	---	---	---	---	---	---	---
36	---	---	---	---	---	---	---	---	---
37	---	---	---	---	---	---	---	---	---
38	---	---	---	---	---	---	---	---	---
39	---	---	---	---	---	---	---	---	---
40	---	---	---	---	---	---	---	---	---
41	56	80	81	87	89	---	---	---	---
42	51	59	65	73	76	---	---	---	---
43	49	65	67	71	71	---	---	---	---
44	---	---	---	---	---	---	---	---	---
45	56	75	80	89	88	97	100	105	106
46	46	65	68	76	78	84	89	93	94
47	50	70	72	81	81	85	91	93	99
48	---	---	---	---	---	---	---	---	---
GROUP 4 (									
49	---	---	---	---	---	---	---	---	---
50	---	---	---	---	---	---	---	---	---
51	---	---	---	---	---	---	---	---	---
52	---	---	---	---	---	---	---	---	---
53	---	---	---	---	---	---	---	---	---

BACK TO MAIN

BODY WEIGHT GAIN (%)
MALES

	TREATMENT								
DAYS	1	5	8	12	15	19	22	25	28
WEEKS	1	1	2	2	3	3	4	4	4
ANIMAL									
GROUP 4 ( )									
54	0	13	21	33	35	44	48	52	58
55	0	13	19	28	30	41	42	49	52
56	0	12	16	25	26	34	33	39	43
57	0	17	22	41	45	63	69	82	93
58	0	16	22	33	38	52	58	65	71
59	0	15	19	34	39	50	53	58	63
60	---	---	---	---	---	---	---	---	---
61	0	15	21	38	43	57	61	66	73
62	0	11	18	32	34	47	49	60	67
63	0	12	17	31	34	42	46	54	60
64	---	---	---	---	---	---	---	---	---
GROUP 5 (PFHS)									
65	0	10	21	32	21	50	56	63	68
66	0	9	16	28	34	42	43	50	50
67	0	10	18	28	33	42	44	49	55
68	0	9	16	28	32	41	45	50	51
69	0	10	21	32	34	45	45	51	54
70	0	14	24	35	41	52	57	66	68
71	0	13	24	36	42	51	52	59	62
72	0	12	23	33	38	47	49	56	58
73	0	14	21	34	38	52	55	64	71
74	0	7	6	19	16	28	30	35	35
75	0	12	17	34	35	50	56	63	69
76	---	---	---	---	---	---	---	---	---
77	0	13	17	30	32	45	49	54	59
78	0	14	15	27	28	43	47	56	58
79	0	13	19	28	28	38	43	46	51
80	---	---	---	---	---	---	---	---	---
GROUP 6 (PFOS)									
81	0	12	22	33	43	52	57	63	67
82	0	14	24	35	39	47	49	54	61
83	0	14	24	35	41	50	54	58	63
84	0	13	22	32	38	46	47	56	59
85	0	14	25	41	48	62	67	75	77
86	0	11	18	29	31	38	38	46	51
87	0	13	24	37	44	54	59	67	68
88	0	12	19	32	38	48	52	59	64
89	0	14	22	37	43	55	59	68	74
90	0	13	20	34	36	51	58	65	72
91	0	15	19	35	38	56	63	72	77
92	---	---	---	---	---	---	---	---	---
93	0	9	11	22	21	29	32	40	42
94	0	12	14	26	25	36	39	45	48
95	0	12	17	30	30	40	43	48	52
96	---	---	---	---	---	---	---	---	---

BACK TO MAIN

BODY WEIGHT GAIN (%)
MALES

	RECOVERY								
DAYS	1	5	8	12	14	19	22	25	28
WEEKS	1	1	2	2	2	3	4	4	4
ANIMAL									
GROUP 4 ( )									
54	---	---	---	---	---	---	---	---	---
55	---	---	---	---	---	---	---	---	---
56	---	---	---	---	---	---	---	---	---
57	77	101	107	118	121	---	---	---	---
58	58	79	81	89	89	---	---	---	---
59	51	70	73	79	79	---	---	---	---
60	---	---	---	---	---	---	---	---	---
61	58	77	85	91	87	98	102	107	104
62	52	72	78	87	85	95	99	105	106
63	47	67	72	80	80	87	89	93	92
64	---	---	---	---	---	---	---	---	---
GROUP 5 (PFHS)									
65	---	---	---	---	---	---	---	---	---
66	---	---	---	---	---	---	---	---	---
67	---	---	---	---	---	---	---	---	---
68	---	---	---	---	---	---	---	---	---
69	---	---	---	---	---	---	---	---	---
70	---	---	---	---	---	---	---	---	---
71	---	---	---	---	---	---	---	---	---
72	---	---	---	---	---	---	---	---	---
73	59	79	86	89	88	---	---	---	---
74	24	40	45	47	46	---	---	---	---
75	56	74	78	85	83	---	---	---	---
76	---	---	---	---	---	---	---	---	---
77	48	67	73	73	75	79	81	90	87
78	45	64	71	74	76	82	84	96	90
79	40	57	60	63	66	69	71	77	75
80	---	---	---	---	---	---	---	---	---
GROUP 6 (PFOS)									
81	---	---	---	---	---	---	---	---	---
82	---	---	---	---	---	---	---	---	---
83	---	---	---	---	---	---	---	---	---
84	---	---	---	---	---	---	---	---	---
85	---	---	---	---	---	---	---	---	---
86	---	---	---	---	---	---	---	---	---
87	---	---	---	---	---	---	---	---	---
88	---	---	---	---	---	---	---	---	---
89	59	84	86	93	93	---	---	---	---
90	60	79	81	87	91	---	---	---	---
91	66	85	91	99	100	---	---	---	---
92	---	---	---	---	---	---	---	---	---
93	31	48	52	58	59	64	68	77	74
94	39	56	59	65	65	73	76	80	82
95	39	56	60	69	68	73	78	82	82
96	---	---	---	---	---	---	---	---	---

BODY WEIGHT GAIN (%)
FEMALES

	TREATMENT								
DAYS	1	5	8	12	15	19	22	25	28
WEEKS	1	1	2	2	3	3	4	4	4
ANIMAL									
GROUP 1 (VEHICLE CONTROL)									
97	0	2	5	13	19	25	29	32	31
98	0	4	9	18	20	27	26	27	32
99	0	4	9	18	21	29	28	36	38
100	0	-1	8	16	10	22	23	27	36
101	0	4	14	21	29	35	36	47	47
102	0	3	5	9	19	23	25	28	29
103	0	1	6	10	9	16	23	27	26
104	0	8	12	19	24	31	30	39	41
105	0	7	8	20	20	27	28	37	39
106	0	7	11	21	23	30	31	37	40
107	0	5	8	17	16	24	20	31	35
108	---	---	---	---	---	---	---	---	---
109	0	-1	2	10	11	15	20	22	25
110	0	7	9	21	18	30	27	41	46
111	0	4	7	15	17	25	28	32	32
112	---	---	---	---	---	---	---	---	---
GROUP 2 (TELOMER ALCOHOL)									
113	0	4	8	12	21	25	31	37	34
114	0	5	13	21	26	37	40	46	49
115	0	1	7	12	14	22	20	29	31
116	0	4	8	15	21	27	29	34	34
117	0	6	10	17	22	30	27	36	43
118	0	4	5	13	19	26	29	35	32
119	0	3	9	18	24	29	31	35	43
120	0	10	15	19	27	31	29	43	45
121	0	4	3	9	9	16	20	28	28
122	0	5	4	13	10	18	26	30	28
123	0	5	7	14	17	23	26	35	36
124	---	---	---	---	---	---	---	---	---
125	0	2	6	14	15	26	25	29	33
126	0	2	1	10	12	20	21	27	29
127	0	10	11	23	22	33	34	39	42
128	---	---	---	---	---	---	---	---	---
GROUP 3 (TELOMER ACRYLATE)									
129	0	5	9	13	12	21	20	29	32
130	0	5	8	15	14	21	24	34	35
131	0	0	9	14	18	23	24	27	30
132	0	3	10	15	19	21	26	30	32
133	0	7	8	15	18	25	25	33	33
134	0	5	12	15	15	20	27	36	37
135	0	6	9	19	23	31	35	38	38
136	0	2	10	16	11	20	23	31	30
137	0	4	6	15	20	30	35	39	36
138	0	6	5	10	9	11	10	17	20
139	0	-1	3	11	11	21	25	28	26
140	---	---	---	---	---	---	---	---	---
141	0	6	10	21	21	30	28	32	34
142	0	3	4	14	11	19	20	28	28
143	0	5	9	17	17	26	25	36	36
144	---	---	---	---	---	---	---	---	---
GROUP 4 ( )									
145	0	5	8	16	17	22	20	30	32
146	0	7	9	16	20	29	27	37	38
147	0	3	3	13	21	28	31	34	34
148	0	1	5	15	20	28	29	36	35
149	0	1	10	17	17	25	29	30	35

BACK TO MAIN

BODY WEIGHT GAIN (%)
FEMALES

	RECOVERY								
DAYS	1	5	8	12	14	19	22	25	28
WEEKS	1	1	2	2	2	3	4	4	4
ANIMAL									
GROUP 1 (VEHICLE CONTROL)									
97	---	---	---	---	---	---	---	---	---
98	---	---	---	---	---	---	---	---	---
99	---	---	---	---	---	---	---	---	---
100	---	---	---	---	---	---	---	---	---
101	---	---	---	---	---	---	---	---	---
102	---	---	---	---	---	---	---	---	---
103	---	---	---	---	---	---	---	---	---
104	---	---	---	---	---	---	---	---	---
105	27	41	41	44	54	---	---	---	---
106	27	41	44	47	54	---	---	---	---
107	20	31	38	41	44	---	---	---	---
108	---	---	---	---	---	---	---	---	---
109	13	29	31	34	35	36	39	41	45
110	28	45	52	56	58	61	63	66	72
111	21	36	38	42	42	45	49	51	51
112	---	---	---	---	---	---	---	---	---
GROUP 2 (TELOMER ALCOHOL)									
113	---	---	---	---	---	---	---	---	---
114	---	---	---	---	---	---	---	---	---
115	---	---	---	---	---	---	---	---	---
116	---	---	---	---	---	---	---	---	---
117	---	---	---	---	---	---	---	---	---
118	---	---	---	---	---	---	---	---	---
119	---	---	---	---	---	---	---	---	---
120	---	---	---	---	---	---	---	---	---
121	17	29	32	37	33	---	---	---	---
122	18	34	36	42	37	---	---	---	---
123	22	38	39	45	46	---	---	---	---
124	---	---	---	---	---	---	---	---	---
125	22	39	37	43	46	50	52	53	51
126	18	38	38	43	41	43	46	48	49
127	27	43	48	52	55	57	60	58	60
128	---	---	---	---	---	---	---	---	---
GROUP 3 (TELOMER ACRYLATE)									
129	---	---	---	---	---	---	---	---	---
130	---	---	---	---	---	---	---	---	---
131	---	---	---	---	---	---	---	---	---
132	---	---	---	---	---	---	---	---	---
133	---	---	---	---	---	---	---	---	---
134	---	---	---	---	---	---	---	---	---
135	---	---	---	---	---	---	---	---	---
136	---	---	---	---	---	---	---	---	---
137	28	48	50	57	55	---	---	---	---
138	6	19	19	27	26	---	---	---	---
139	15	36	36	45	42	---	---	---	---
140	---	---	---	---	---	---	---	---	---
141	23	37	38	43	45	51	55	53	51
142	15	32	35	41	36	43	43	46	46
143	21	36	39	46	46	51	51	52	52
144	---	---	---	---	---	---	---	---	---
GROUP 4 (									
145	---	---	---	---	---	---	---	---	---
146	---	---	---	---	---	---	---	---	---
147	---	---	---	---	---	---	---	---	---
148	---	---	---	---	---	---	---	---	---
149	---	---	---	---	---	---	---	---	---

BACK TO MAIN

BODY WEIGHT GAIN (%)
FEMALES

	TREATMENT								
DAYS	1	5	8	12	15	19	22	25	28
WEEKS	1	1	2	2	3	3	4	4	4
ANIMAL									
GROUP 4 (									
150	0	5	12	24	29	35	36	38	42
151	0	4	6	17	21	23	31	39	39
152	0	4	10	16	15	25	27	36	39
153	0	1	1	9	12	18	24	30	31
154	0	8	10	21	19	29	31	42	44
155	0	4	6	17	15	22	26	33	34
156	---	---	---	---	---	---	---	---	---
157	0	4	3	15	17	27	27	31	31
158	0	4	4	17	16	23	21	35	30
159	0	7	8	19	23	29	35	39	40
160	---	---	---	---	---	---	---	---	---
GROUP 5 (PFHS)									
161	0	3	8	15	16	23	25	27	30
162	0	5	9	20	18	25	24	31	34
163	0	3	7	12	9	18	22	28	28
164	0	1	6	12	13	21	20	27	30
165	0	-1	6	15	22	29	34	36	40
166	0	-1	8	13	17	25	31	37	35
167	0	-2	-1	8	14	20	22	26	27
168	0	3	6	15	21	26	30	35	35
169	0	7	8	15	15	26	25	31	33
170	0	4	6	12	11	20	22	30	29
171	0	9	11	21	18	27	32	38	41
172	---	---	---	---	---	---	---	---	---
173	0	1	3	12	11	15	19	26	23
174	0	6	6	15	17	26	27	35	35
175	0	5	7	15	17	26	24	33	35
176	---	---	---	---	---	---	---	---	---
GROUP 6 (PFOS)									
177	0	6	11	20	21	29	32	38	36
178	0	-1	5	12	10	16	16	20	21
179	0	5	8	12	6	13	17	21	23
180	0	-1	3	9	10	14	15	18	15
181	0	-2	2	5	7	10	9	11	11
182	0	5	6	12	18	23	22	28	30
183	0	0	7	14	12	17	22	25	22
184	0	1	9	16	12	21	24	26	29
185	0	9	7	17	17	31	30	32	27
186	0	7	7	17	19	25	24	26	28
187	0	1	7	15	13	19	24	28	29
188	---	---	---	---	---	---	---	---	---
189	0	1	3	12	11	17	18	21	23
190	0	4	6	15	14	24	27	32	37
191	0	4	2	9	8	12	10	16	16
192	---	---	---	---	---	---	---	---	---

BODY WEIGHT GAIN (%)
FEMALES

	RECOVERY								
DAYS	1	5	8	12	14	19	22	25	28
WEEKS	1	1	2	2	2	3	4	4	4
ANIMAL									
GROUP 4 ( )									
150	---	---	---	---	---	---	---	---	---
151	---	---	---	---	---	---	---	---	---
152	---	---	---	---	---	---	---	---	---
153	20	40	44	51	49	---	---	---	---
154	30	45	49	54	53	---	---	---	---
155	23	40	44	46	44	---	---	---	---
156	---	---	---	---	---	---	---	---	---
157	23	35	40	42	41	39	44	50	46
158	22	36	32	37	46	48	49	51	48
159	30	38	38	44	43	47	51	55	56
160	---	---	---	---	---	---	---	---	---
GROUP 5 (PFHS)									
161	---	---	---	---	---	---	---	---	---
162	---	---	---	---	---	---	---	---	---
163	---	---	---	---	---	---	---	---	---
164	---	---	---	---	---	---	---	---	---
165	---	---	---	---	---	---	---	---	---
166	---	---	---	---	---	---	---	---	---
167	---	---	---	---	---	---	---	---	---
168	---	---	---	---	---	---	---	---	---
169	24	33	40	40	40	---	---	---	---
170	19	32	36	41	39	---	---	---	---
171	29	45	46	54	53	---	---	---	---
172	---	---	---	---	---	---	---	---	---
173	14	29	29	33	29	36	37	43	42
174	23	42	43	46	45	47	50	56	54
175	23	38	42	48	50	53	55	56	59
176	---	---	---	---	---	---	---	---	---
GROUP 6 (PFOS)									
177	---	---	---	---	---	---	---	---	---
178	---	---	---	---	---	---	---	---	---
179	---	---	---	---	---	---	---	---	---
180	---	---	---	---	---	---	---	---	---
181	---	---	---	---	---	---	---	---	---
182	---	---	---	---	---	---	---	---	---
183	---	---	---	---	---	---	---	---	---
184	---	---	---	---	---	---	---	---	---
185	17	34	35	40	38	---	---	---	---
186	16	32	36	37	37	---	---	---	---
187	17	32	36	42	42	---	---	---	---
188	---	---	---	---	---	---	---	---	---
189	11	23	28	31	34	37	36	37	38
190	25	38	41	45	45	52	50	52	55
191	7	17	21	26	28	33	31	33	34
192	---	---	---	---	---	---	---	---	---

FOOD CONSUMPTION (G/ANIMAL/DAY)
MALES

	TREATMENT				RECOVERY			
DAYS.	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
GROUP 1 (VEHICLE CONTROL)								
1	26	26	27	28	---	---	---	---
2	27	29	29	31	---	---	---	---
3	24	25	28	29	29	29	---	---
4	29	31	34	33	32	31	30	31
GROUP 2 (TELOMER ALCOHOL)								
5	28	29	30	31	---	---	---	---
6	28	30	29	31	---	---	---	---
7	24	25	27	28	27	27	---	---
8	26	29	30	30	29	29	28	29
GROUP 3 (TELOMER ACRYLATE)								
9	26	27	28	30	---	---	---	---
10	28	29	30	30	---	---	---	---
11	26	28	31	32	29	30	---	---
12	27	28	32	31	32	32	30	32
GROUP 4 ( )								
13	27	29	29	30	---	---	---	---
14	27	28	28	29	---	---	---	---
15	25	29	33	34	33	32	---	---
16	27	29	32	31	31	30	30	31
GROUP 5 (PFHS)								
17	26	28	28	29	---	---	---	---
18	29	30	31	32	---	---	---	---
19	24	26	30	30	30	30	---	---
20	24	25	29	28	29	28	26	27
GROUP 6 (PFOS)								
21	28	29	28	29	---	---	---	---
22	28	30	30	31	---	---	---	---
23	27	30	34	36	33	33	---	---
24	26	27	29	29	28	27	27	28

FOOD CONSUMPTION (G/ANIMAL/DAY)
MALES

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	

GROUP 1 (VEHICLE CONTROL)

1	---
2	---
3	---
4	31

GROUP 2 (TELOMER ALCOHOL)

5	---
6	---
7	---
8	28

GROUP 3 (TELOMER ACRYLATE)

9	---
10	---
11	---
12	30

GROUP 4 ( )

13	---
14	---
15	---
16	29

GROUP 5 (PFHS)

17	---
18	---
19	---
20	27

GROUP 6 (PFOS)

21	---
22	---
23	---
24	27

FOOD CONSUMPTION (G/ANIMAL/DAY)
FEMALES

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
GROUP 1 (VEHICLE CONTROL)								
25	18	20	21	22	---	---	---	---
26	20	21	22	23	---	---	---	---
27	20	21	23	25	25	24	---	---
28	19	21	24	25	25	24	22	24
GROUP 2 (TELOMER ALCOHOL)								
29	19	21	22	24	---	---	---	---
30	19	21	21	23	---	---	---	---
31	17	20	22	22	23	22	---	---
32	18	20	23	23	24	23	22	23
GROUP 3 (TELOMER ACRYLATE)								
33	18	19	20	22	---	---	---	---
34	21	22	22	24	---	---	---	---
35	18	20	22	21	23	22	---	---
36	19	21	23	23	24	23	22	22
GROUP 4								
37	19	20	21	23	---	---	---	---
38	19	21	22	23	---	---	---	---
39	20	22	23	24	25	24	---	---
40	19	22	23	23	23	22	20	21
GROUP 5 (PFHS)								
41	19	19	21	22	---	---	---	---
42	22	23	24	24	---	---	---	---
43	19	21	23	23	25	24	---	---
44	19	22	23	23	24	23	20	22
GROUP 6 (PFOS)								
45	22	20	20	20	---	---	---	---
46	18	19	19	19	---	---	---	---
47	17	19	19	19	21	20	---	---
48	19	20	21	20	21	21	19	19

FOOD CONSUMPTION (G/ANIMAL/DAY)
FEMALES

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	

GROUP 1 (VEHICLE CONTROL)

25	---
26	---
27	---
28	24

GROUP 2 (TELOMER ALCOHOL)

29	---
30	---
31	---
32	22

GROUP 3 (TELOMER ACRYLATE)

33	---
34	---
35	---
36	22

GROUP 4 ( )

37	---
38	---
39	---
40	22

GROUP 5 (PFHS)

41	---
42	---
43	---
44	21

GROUP 6 (PFOS)

45	---
46	---
47	---
48	19

RELATIVE FOOD CONSUMPTION
(G/KG BODY WEIGHT/DAY)
MALES

GROUP 1 (VEHICLE CONTROL)

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
1	110	94	89	86	---	---	---	---
2	115	102	93	90	---	---	---	---
3	107	99	99	96	89	84	---	---
4	126	116	114	101	91	84	77	78

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
1	---
2	---
3	---
4	75

BACK TO MAIN

RELATIVE FOOD CONSUMPTION (G/KG BODY WEIGHT/DAY) MALES

GROUP 2 (TELOMER ALCOHOL)

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
5	115	101	93	90	---	---	---	---
6	116	106	91	91	---	---	---	---
7	109	98	97	93	84	79	---	---
8	109	104	101	92	85	80	74	76

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
5	---
6	---
7	---
8	72

RELATIVE FOOD CONSUMPTION
(G/KG BODY WEIGHT/DAY)
MALES

GROUP 3 (TELOMER ACRYLATE)

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
9	112	101	95	93	---	---	---	---
10	119	105	95	89	---	---	---	---
11	111	103	103	97	83	80	---	---
12	116	105	105	95	90	84	76	80

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
9	---
10	---
11	---
12	74

BACK TO MAIN

RELATIVE FOOD CONSUMPTION
(G/KG BODY WEIGHT/DAY)
MALES

GROUP 4 ( )

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
13	113	103	91	90	---	---	---	---
14	112	102	93	90	---	---	---	---
15	107	105	104	100	88	82	---	---
16	111	99	98	89	82	73	71	72

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
13	---
14	---
15	---
16	67

RELATIVE FOOD CONSUMPTION
(G/KG BODY WEIGHT/DAY)
MALES

GROUP 5 (PFHS)

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
17	110	101	91	88	---	---	---	---
18	122	105	97	95	---	---	---	---
19	106	99	102	96	91	83	---	---
20	108	100	102	94	92	83	76	77

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
17	---
18	---
19	---
20	73

BACK TO MAIN

RELATIVE FOOD CONSUMPTION
(G/KG BODY WEIGHT/DAY)
MALES

GROUP 6 (PFOS)

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
21	120	106	94	92	---	---	---	---
22	114	102	91	87	---	---	---	---
23	111	105	104	100	85	80	---	---
24	113	103	103	99	88	81	76	78

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
21	---
22	---
23	---
24	72

BACK TO MAIN

RELATIVE FOOD CONSUMPTION
(G/KG BODY WEIGHT/DAY)
FEMALES

GROUP 1 (VEHICLE CONTROL)

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
25	106	104	98	101	---	---	---	---
26	105	102	97	94	---	---	---	---
27	107	103	104	104	102	95	---	---
28	107	107	112	109	107	95	86	92

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
25	---
26	---
27	---
28	91

RELATIVE FOOD CONSUMPTION
(G/KG BODY WEIGHT/DAY)
FEMALES

GROUP 2 (TELOMER ALCOHOL)

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
29	104	102	98	97	---	---	---	---
30	110	108	100	102	---	---	---	---
31	96	105	110	101	102	93	---	---
32	105	106	111	108	106	98	88	92

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
29	---
30	---
31	---
32	86

BACK TO MAIN

RELATIVE FOOD CONSUMPTION
(G/KG BODY WEIGHT/DAY)
FEMALES

GROUP 3 (TELOMER ACRYLATE)

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
33	105	100	100	101	---	---	---	---
34	117	110	107	107	---	---	---	---
35	108	110	112	105	105	96	---	---
36	110	109	112	107	109	98	88	87

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
33	---
34	---
35	---
36	90

BACK TO MAIN

RELATIVE FOOD CONSUMPTION
(G/KG BODY WEIGHT/DAY)
FEMALES

GROUP 4 ( )

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
37	104	104	98	100	---	---	---	---
38	110	102	102	100	---	---	---	---
39	115	113	112	106	106	97	---	---
40	104	107	106	100	98	91	81	83

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
37	---
38	---
39	---
40	81

BACK TO MAIN

RELATIVE FOOD CONSUMPTION
(G/KG BODY WEIGHT/DAY)
FEMALES

GROUP 5 (PFHS)

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
41	110	100	100	103	---	---	---	---
42	130	118	111	105	---	---	---	---
43	102	105	107	102	107	97	---	---
44	109	113	111	106	105	98	84	88

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
41	---
42	---
43	---
44	84

RELATIVE FOOD CONSUMPTION
(G/KG BODY WEIGHT/DAY)
FEMALES

GROUP 6 (PFOS)

	TREATMENT				RECOVERY			
DAYS	1-8	8-15	15-22	22-28	1-8	8-14	14-19	19-22
WEEKS	1/2	2/3	3/4	4	1/2	2	2/3	3/4
CAGE								
45	125	106	101	95	---	---	---	---
46	104	97	92	92	---	---	---	---
47	100	100	96	93	97	90	---	---
48	115	111	110	102	103	95	85	86

	RECOVERY
DAYS	22-28
WEEKS	4
CAGE	
45	---
46	---
47	---
48	85

KEY TO MISSING VALUES AND REMARKS HAEMATOLOGY / CLINICAL BIOCHEMISTRY

AFTER 4 WEEKS

Animal 1, 2, 3, 4, 56 81, 84, 97, 98, 99, 114, 129, 145, 164, 177, 179, 180,	--- = EDTA sample clotted
Animal 1, 33, 55, 59, 65, 72, 77, 78, 79, 89, 132, 145, 162, 168,	--- = Citrate sample clotted
Animal 62, 174	--- = PTT in plasma not reproducible
Animal 129	--- = deviating curve noted for PTT in plasma
Animal 2, 17, 18, 19, 25, 36, 40, 49, 50, 66, 67, 71, 72, 74, 79, 87, 88, 89, 90	Serum sample showed haemolysis
Animal 46 and 59	--- = ALAT in serum not reproducible

AFTER 2 WEEKS RECOVERY

Animal 75, 169, 186	--- = Citrate sample clotted

AFTER 4 WEEKS RECOVERY

Animal 14, 29, 61, 78	--- = Citrate sample (partly) clotted
Animal 127	--- = ALAT in serum not reproducible

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS
MALES
GROUP 1 (VEHICLE CONTROL)

HAEMATOLOGY PARAMETERS

ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
1	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---
5	7.52	9.7	0.423	56.3	1.290	22.9	12.3	1329
6	6.83	9.2	0.406	59.4	1.347	22.7	12.2	1182
7	7.25	9.6	0.415	57.2	1.324	23.1	12.2	1340
8	7.01	9.4	0.411	58.6	1.341	22.9	11.6	1085
9	6.85	8.9	0.403	58.8	1.299	22.1	12.4	1237
10	7.11	9.0	0.413	58.1	1.266	21.8	12.4	988
11	6.91	9.0	0.406	58.8	1.302	22.2	12.4	1187
13	6.97	8.6	0.390	56.0	1.234	22.1	13.4	1074
14	7.29	9.2	0.418	57.3	1.262	22.0	12.3	1189
15	6.80	8.7	0.389	57.2	1.279	22.4	12.5	1204

HAEMATOLOGY PARAMETERS

ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
1	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	15.5	15.5
3	---	---	---	---	---	---	15.6	16.2
4	---	---	---	---	---	---	14.7	17.2
5	10.9	0.105	0.010	0.000	0.025	0.860	14.2	16.7
6	17.6	0.140	0.010	0.000	0.030	0.820	15.2	16.3
7	14.1	0.075	0.000	0.000	0.030	0.895	14.3	17.5
8	16.2	0.090	0.005	0.000	0.030	0.875	14.5	16.1
9	8.8	0.190	0.015	0.000	0.010	0.785	14.7	14.9
10	6.6	0.145	0.005	0.000	0.020	0.830	14.8	16.0
11	9.9	0.110	0.010	0.000	0.030	0.850	14.9	15.7
13	10.9	0.145	0.000	0.000	0.025	0.830	14.3	15.7
14	9.3	0.120	0.010	0.000	0.030	0.840	16.2	14.8
15	9.0	0.120	0.005	0.000	0.025	0.850	14.7	16.4

HAEMATOLOGY
AFTER 4 WEEKS
MALES
GROUP 2 (TELOMER ALCOHOL)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	MCV fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
17	6.19	8.3	0.386	62.4	1.341	21.5	10.7	842
18	6.36	8.5	0.371	58.3	1.336	22.9	11.5	928
19	6.21	8.4	0.368	59.3	1.353	22.8	12.4	929
20	6.49	8.2	0.377	58.1	1.263	21.8	11.2	913
21	6.70	9.0	0.403	60.1	1.343	22.3	12.0	1111
22	6.76	8.9	0.391	57.8	1.317	22.8	12.2	1216
23	7.09	9.2	0.405	57.1	1.298	22.7	11.1	992
24	6.93	9.2	0.407	58.7	1.328	22.6	12.4	1047
25	6.83	8.9	0.399	58.4	1.303	22.3	12.5	1119
26	6.93	9.1	0.411	59.3	1.313	22.1	12.7	897
27	7.02	8.9	0.404	57.5	1.268	22.0	11.7	984
29	7.21	9.5	0.425	58.9	1.318	22.4	12.7	1051
30	6.51	8.7	0.389	59.8	1.336	22.4	13.0	1140
31	6.80	8.6	0.391	57.5	1.265	22.0	11.7	1184

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
17	10.1	0.085	0.000	0.000	0.015	0.900	15.8	16.0
18	7.2	0.085	0.025	0.000	0.015	0.875	14.8	14.9
19	6.4	0.190	0.005	0.000	0.015	0.790	15.6	15.4
20	7.3	0.155	0.015	0.000	0.040	0.790	14.5	16.4
21	10.4	0.105	0.000	0.000	0.015	0.880	14.4	15.8
22	12.3	0.115	0.015	0.000	0.040	0.830	14.5	16.9
23	8.6	0.120	0.005	0.000	0.020	0.855	15.0	14.6
24	10.9	0.080	0.010	0.000	0.010	0.900	15.4	16.6
25	10.9	0.130	0.015	0.000	0.025	0.830	13.9	15.5
26	11.7	0.105	0.040	0.000	0.005	0.850	15.3	16.5
27	10.5	0.100	0.000	0.000	0.035	0.865	14.8	16.2
29	8.6	0.225	0.010	0.000	0.040	0.725	15.7	17.1
30	12.5	0.130	0.015	0.000	0.015	0.840	15.3	15.9
31	11.9	0.130	0.005	0.000	0.015	0.850	14.5	15.8

HAEMATOLOGY
AFTER 4 WEEKS
MALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
33	6.12	8.2	0.367	60.0	1.340	22.3	12.2	1244
34	6.50	8.5	0.382	58.8	1.308	22.3	11.5	957
35	6.36	8.0	0.372	58.5	1.258	21.5	11.5	1063
36	6.43	8.2	0.380	59.1	1.275	21.6	11.5	930
37	6.76	9.0	0.397	58.7	1.331	22.7	12.7	1388
38	6.83	9.2	0.402	58.9	1.347	22.9	12.3	1354
39	6.55	8.5	0.372	56.8	1.298	22.8	12.5	1191
40	7.16	9.4	0.409	57.1	1.313	23.0	11.6	1114
41	6.49	8.7	0.387	59.6	1.341	22.5	13.1	1099
42	6.34	8.3	0.374	59.0	1.309	22.2	12.4	1137
43	6.83	9.0	0.409	59.9	1.318	22.0	11.8	944
45	6.73	8.9	0.386	57.4	1.322	23.1	12.1	1268
46	6.56	8.9	0.390	59.5	1.357	22.8	12.1	904
47	6.82	9.0	0.403	59.1	1.320	22.3	13.4	1022

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
33	11.8	0.170	0.005	0.000	0.025	0.800	---	---
34	9.9	0.155	0.010	0.000	0.020	0.815	15.6	15.5
35	9.1	0.080	0.000	0.000	0.015	0.905	15.0	17.4
36	11.2	0.140	0.015	0.000	0.020	0.825	15.3	23.8
37	13.4	0.100	0.005	0.000	0.020	0.875	13.9	17.1
38	9.4	0.065	0.005	0.000	0.010	0.920	14.3	16.5
39	9.6	0.090	0.020	0.000	0.020	0.870	14.7	18.7
40	9.3	0.080	0.005	0.000	0.020	0.895	15.6	15.5
41	11.2	0.095	0.005	0.000	0.015	0.885	15.1	16.2
42	11.8	0.090	0.000	0.000	0.025	0.885	13.9	15.9
43	8.9	0.120	0.005	0.000	0.020	0.855	15.5	16.7
45	13.8	0.145	0.005	0.000	0.020	0.830	15.5	15.3
46	6.7	0.155	0.005	0.000	0.045	0.795	14.4	16.1
47	6.8	0.150	0.010	0.000	0.000	0.840	14.8	17.8

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS
MALES
GROUP 4 ( )

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
49	7.07	8.7	0.406	57.4	1.231	21.4	11.7	1063
50	6.54	8.2	0.371	56.7	1.254	22.1	11.5	1149
51	6.25	7.6	0.358	57.3	1.216	21.2	11.7	1030
52	6.62	8.5	0.387	58.5	1.284	22.0	11.7	1072
53	6.65	8.7	0.384	57.7	1.308	22.7	11.9	1462
54	7.18	9.6	0.429	59.7	1.337	22.4	11.7	874
55	7.13	9.4	0.418	58.6	1.318	22.5	12.1	876
56	---	---	---	---	---	---	---	---
57	6.42	8.7	0.386	60.1	1.355	22.5	12.2	1084
58	6.48	8.7	0.389	60.0	1.343	22.4	11.9	1084
59	7.21	9.2	0.418	58.0	1.276	22.0	12.5	860
61	6.82	8.9	0.402	58.9	1.305	22.1	12.4	1049
62	6.94	9.4	0.418	60.2	1.354	22.5	12.1	932
63	6.90	8.8	0.395	57.2	1.275	22.3	12.1	1121

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
49	12.4	0.100	0.010	0.000	0.025	0.865	14.9	15.7
50	15.2	0.105	0.005	0.000	0.020	0.870	14.9	15.2
51	14.3	0.070	0.000	0.000	0.020	0.910	13.7	16.0
52	14.5	0.085	0.010	0.000	0.010	0.895	15.4	19.0
53	10.6	0.065	0.010	0.000	0.015	0.910	15.2	17.4
54	8.2	0.055	0.005	0.000	0.020	0.920	14.1	19.5
55	10.8	0.110	0.010	0.000	0.040	0.840	---	---
56	---	---	---	---	---	---	13.8	26.8
57	14.1	0.095	0.000	0.000	0.035	0.870	13.8	16.7
58	10.4	0.100	0.010	0.000	0.015	0.875	13.8	16.7
59	12.2	0.075	0.010	0.000	0.030	0.885	---	---
61	9.6	0.055	0.005	0.000	0.020	0.920	14.8	19.5
62	11.7	0.140	0.005	0.000	0.035	0.820	14.1	---
63	7.6	0.070	0.015	0.000	0.015	0.900	14.5	18.1

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS
MALES
GROUP 5 (PFHS)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
65	6.14	8.0	0.357	58.1	1.303	22.4	11.8	1017
66	5.71	7.5	0.347	60.8	1.313	21.6	11.1	929
67	5.55	7.6	0.347	62.5	1.369	21.9	13.1	946
68	6.50	8.1	0.365	56.2	1.246	22.2	11.0	969
69	7.04	9.1	0.395	56.1	1.293	23.0	11.1	1074
70	7.06	9.0	0.409	57.9	1.275	22.0	11.6	977
71	7.47	9.7	0.442	59.2	1.299	21.9	12.2	1011
72	6.40	8.4	0.371	58.0	1.312	22.6	11.8	873
73	6.64	8.5	0.388	58.4	1.280	21.9	12.6	997
74	6.72	8.7	0.388	57.7	1.295	22.4	12.3	943
75	6.65	8.5	0.380	57.1	1.278	22.4	12.0	1092
77	6.35	8.5	0.378	59.5	1.339	22.5	12.8	1031
78	6.95	8.6	0.395	56.8	1.237	21.8	12.2	221
79	6.80	9.0	0.404	59.4	1.324	22.3	12.8	105

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
65	7.3	0.175	0.005	0.000	0.030	0.790	---	---
66	8.1	0.255	0.020	0.000	0.020	0.705	13.9	15.9
67	11.1	0.185	0.010	0.000	0.015	0.790	14.4	15.8
68	9.2	0.125	0.000	0.000	0.035	0.840	14.1	15.8
69	7.1	0.085	0.000	0.000	0.020	0.895	14.1	17.1
70	13.6	0.170	0.010	0.000	0.025	0.795	13.5	17.4
71	14.2	0.140	0.000	0.000	0.040	0.820	14.7	18.1
72	12.1	0.115	0.010	0.000	0.025	0.850	---	---
73	13.9	0.220	0.005	0.000	0.050	0.725	14.7	17.3
74	8.7	0.100	0.020	0.000	0.025	0.855	13.7	17.4
75	6.4	0.130	0.000	0.000	0.025	0.845	13.7	16.7
77	11.0	0.105	0.015	0.000	0.040	0.840	---	---
78	6.0	0.160	0.005	0.000	0.005	0.830	---	---
79	6.5	0.105	0.015	0.000	0.005	0.875	---	---

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS
MALES
GROUP 6 (PFOS)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
81	---	---	---	---	---	---	---	---
82	6.44	8.7	0.377	58.5	1.351	23.1	11.3	1120
83	6.20	8.2	0.361	58.2	1.323	22.7	11.5	1150
84	---	---	---	---	---	---	---	---
85	6.36	8.9	0.395	62.1	1.399	22.5	11.2	1031
86	7.37	9.4	0.429	58.2	1.275	21.9	12.7	935
87	6.95	9.6	0.414	59.6	1.381	23.2	11.3	1109
88	6.15	8.3	0.367	59.7	1.350	22.6	13.7	1239
89	6.44	9.0	0.395	61.3	1.398	22.8	11.5	1019
90	6.48	8.7	0.382	59.0	1.343	22.8	12.3	1114
91	6.55	8.9	0.390	59.5	1.359	22.8	12.2	1111
93	7.13	8.9	0.389	54.6	1.248	22.9	12.7	1127
94	7.02	9.1	0.409	58.3	1.296	22.2	11.8	1071
95	6.82	9.1	0.398	58.4	1.334	22.9	11.5	1082

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
81	---	---	---	---	---	---	14.1	20.8
82	7.5	0.110	0.000	0.000	0.025	0.865	14.8	15.2
83	10.2	0.095	0.010	0.000	0.020	0.875	15.6	20.0
84	---	---	---	---	---	---	15.4	15.0
85	11.3	0.075	0.015	0.000	0.035	0.875	14.7	16.9
86	10.8	0.165	0.005	0.000	0.010	0.820	14.4	16.1
87	12.3	0.075	0.005	0.000	0.015	0.905	14.5	19.2
88	8.4	0.190	0.005	0.000	0.025	0.780	14.1	15.9
89	13.2	0.080	0.005	0.000	0.015	0.900	---	---
90	14.2	0.145	0.005	0.000	0.035	0.815	15.6	17.1
91	10.4	0.075	0.000	0.000	0.010	0.915	14.7	16.4
93	7.4	0.095	0.005	0.000	0.030	0.870	14.6	18.0
94	10.2	0.115	0.000	0.000	0.025	0.860	14.5	17.7
95	12.9	0.145	0.000	0.000	0.035	0.820	13.8	15.7

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS
FEMALES
GROUP 1 (VEHICLE CONTROL)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
97	---	---	---	---	---	---	---	---
98	---	---	---	---	---	---	---	---
99	---	---	---	---	---	---	---	---
100	6.50	8.9	0.376	57.8	1.369	23.7	10.9	1271
101	6.66	9.5	0.392	58.9	1.426	24.2	11.2	1114
102	6.80	9.0	0.369	54.3	1.324	24.4	11.5	1324
103	6.82	9.2	0.379	55.6	1.349	24.3	11.1	1050
104	7.02	9.6	0.389	55.4	1.368	24.7	11.6	1302
105	6.78	8.9	0.363	53.5	1.313	24.5	11.5	1335
106	6.79	9.2	0.389	57.3	1.355	23.7	10.9	1078
107	6.68	8.7	0.369	55.2	1.302	23.6	11.9	1214
109	6.54	8.7	0.356	54.4	1.330	24.4	11.4	1019
110	6.63	9.0	0.392	59.1	1.357	23.0	11.6	996
111	6.73	9.1	0.380	56.5	1.352	23.9	10.5	1121

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
97	---	---	---	---	---	---	14.2	14.2
98	---	---	---	---	---	---	13.9	17.7
99	---	---	---	---	---	---	13.9	16.1
100	7.0	0.080	0.015	0.000	0.020	0.885	14.3	18.2
101	11.1	0.060	0.000	0.000	0.040	0.900	16.5	17.0
102	7.0	0.070	0.010	0.000	0.045	0.875	17.3	14.1
103	9.8	0.045	0.005	0.000	0.010	0.940	15.6	17.5
104	9.5	0.070	0.015	0.000	0.020	0.895	15.5	16.3
105	9.0	0.060	0.010	0.000	0.015	0.915	16.0	17.0
106	6.3	0.090	0.005	0.000	0.020	0.885	15.3	16.1
107	4.9	0.130	0.025	0.000	0.040	0.805	15.9	14.1
109	5.2	0.075	0.010	0.000	0.025	0.890	16.0	15.5
110	5.9	0.095	0.010	0.000	0.025	0.870	15.1	14.6
111	5.5	0.125	0.000	0.000	0.020	0.855	15.4	14.7

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS
FEMALES
GROUP 2 (TELOMER ALCOHOL)

HAEMATOLOGY PARAMETERS

ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
113	5.44	7.2	0.312	57.4	1.324	23.1	10.8	1041
114	---	---	---	---	---	---	---	---
115	5.59	7.7	0.331	59.2	1.377	23.3	10.8	1114
116	6.52	8.7	0.376	57.7	1.334	23.1	11.2	970
117	6.28	8.9	0.362	57.6	1.417	24.6	11.2	1134
118	6.76	9.2	0.372	55.0	1.361	24.7	11.2	1463
119	6.51	9.0	0.365	56.1	1.382	24.7	10.7	1275
120	6.21	8.6	0.353	56.8	1.385	24.4	11.2	1262
121	6.00	8.3	0.340	56.7	1.383	24.4	11.0	1283
122	6.61	8.6	0.356	53.9	1.301	24.2	11.8	1097
123	6.29	8.2	0.348	55.3	1.304	23.6	11.6	1016
125	6.50	8.7	0.363	55.8	1.338	24.0	12.1	1165
126	6.55	8.8	0.369	56.3	1.344	23.8	11.9	1095
127	6.29	8.7	0.367	58.3	1.383	23.7	10.7	920

HAEMATOLOGY PARAMETERS

ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
113	8.9	0.135	0.000	0.000	0.000	0.865	13.8	16.2
114	---	---	---	---	---	---	14.6	16.4
115	6.9	0.110	0.020	0.000	0.035	0.835	14.4	14.5
116	8.8	0.040	0.000	0.000	0.010	0.950	14.1	15.2
117	5.6	0.175	0.005	0.000	0.025	0.795	15.3	15.5
118	8.5	0.060	0.005	0.000	0.040	0.895	15.6	16.4
119	6.8	0.105	0.005	0.000	0.010	0.880	15.8	15.0
120	8.3	0.160	0.005	0.000	0.025	0.810	15.3	15.1
121	9.8	0.075	0.005	0.000	0.025	0.895	15.1	13.5
122	4.2	0.115	0.000	0.000	0.015	0.870	15.2	15.0
123	8.6	0.140	0.000	0.000	0.020	0.840	14.7	14.9
125	7.8	0.065	0.000	0.000	0.025	0.910	15.8	13.8
126	5.4	0.085	0.005	0.000	0.025	0.885	15.3	14.6
127	8.2	0.070	0.000	0.000	0.010	0.920	15.6	14.2

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS
FEMALES
GROUP 3 (TELOMER ACRYLATE)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
129	---	---	---	---	---	---	---	---
130	7.23	9.4	0.408	56.4	1.300	23.0	11.3	1136
131	5.98	7.5	0.327	54.7	1.254	22.9	12.0	1004
132	6.30	8.1	0.360	57.1	1.286	22.5	11.0	1089
133	6.69	8.9	0.372	55.6	1.330	23.9	11.5	1082
134	6.36	8.9	0.370	58.2	1.399	24.1	10.9	1383
135	6.82	9.6	0.388	56.9	1.408	24.7	10.7	1304
136	6.48	8.7	0.359	55.4	1.343	24.2	10.8	1180
137	6.54	9.0	0.379	58.0	1.376	23.7	10.5	1062
138	6.70	8.8	0.362	54.0	1.313	24.3	12.2	1247
139	6.90	8.8	0.373	54.1	1.275	23.6	12.6	1068
141	6.83	8.9	0.366	53.6	1.303	24.3	11.5	1317
142	6.86	9.0	0.378	55.1	1.312	23.8	11.6	1040
143	6.22	8.6	0.363	58.4	1.383	23.7	11.1	1029

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
129	---	---	---	---	---	---	14.7	---
130	5.3	0.130	0.005	0.000	0.025	0.840	13.8	16.0
131	6.4	0.195	0.005	0.000	0.015	0.785	13.7	16.3
132	6.8	0.070	0.000	0.000	0.020	0.910	---	---
133	5.7	0.085	0.000	0.000	0.015	0.900	14.4	17.1
134	8.2	0.110	0.000	0.000	0.005	0.885	15.6	15.5
135	6.6	0.110	0.015	0.000	0.015	0.860	15.9	16.4
136	5.4	0.075	0.005	0.000	0.010	0.910	15.9	16.0
137	8.2	0.095	0.030	0.000	0.030	0.845	16.0	16.3
138	6.4	0.090	0.020	0.000	0.025	0.865	14.9	14.7
139	4.2	0.095	0.015	0.000	0.000	0.890	15.4	14.7
141	13.2	0.120	0.005	0.000	0.030	0.845	15.3	14.7
142	7.9	0.070	0.015	0.000	0.015	0.900	15.5	14.6
143	4.7	0.175	0.005	0.000	0.015	0.805	14.1	15.6

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS
FEMALES
GROUP 4 ( )

HAEMATOLOGY PARAMETERS

ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
145	---	---	---	---	---	---	---	---
146	6.23	8.9	0.380	61.0	1.429	23.4	11.5	1194
147	6.64	9.0	0.388	58.4	1.355	23.2	11.5	1032
148	6.45	8.7	0.363	56.3	1.349	24.0	11.5	1102
149	6.66	9.6	0.392	58.9	1.441	24.5	11.3	1172
150	6.07	8.4	0.347	57.2	1.384	24.2	11.3	1276
151	6.86	9.4	0.385	56.1	1.370	24.4	11.4	1134
152	6.64	9.2	0.383	57.7	1.386	24.0	10.5	1136
153	6.79	8.7	0.378	55.7	1.281	23.0	11.9	1137
154	6.99	9.4	0.382	54.6	1.345	24.6	11.4	1177
155	6.22	8.6	0.363	58.4	1.383	23.7	11.0	1169
157	7.33	9.4	0.402	54.8	1.282	23.4	11.4	1176
158	6.86	8.9	0.375	54.7	1.297	23.7	11.3	1332
159	6.33	9.0	0.368	58.1	1.422	24.5	11.0	1165

HAEMATOLOGY PARAMETERS

ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
145	---	---	---	---	---	---	---	---
146	10.1	0.075	0.005	0.000	0.020	0.900	14.3	16.8
147	7.1	0.080	0.005	0.000	0.015	0.900	14.8	16.6
148	9.1	0.075	0.005	0.000	0.030	0.890	13.5	16.4
149	8.3	0.090	0.010	0.000	0.010	0.890	14.5	17.5
150	4.9	0.065	0.020	0.000	0.025	0.890	14.4	17.5
151	9.8	0.075	0.005	0.000	0.035	0.885	14.7	18.2
152	6.5	0.080	0.010	0.000	0.025	0.885	14.9	17.6
153	5.8	0.145	0.015	0.000	0.025	0.815	14.6	16.2
154	7.8	0.105	0.015	0.000	0.030	0.850	14.4	15.5
155	4.7	0.125	0.015	0.000	0.040	0.820	13.8	15.7
157	8.9	0.070	0.020	0.000	0.025	0.885	15.5	16.6
158	9.0	0.070	0.005	0.000	0.020	0.905	14.4	17.4
159	6.9	0.080	0.015	0.000	0.015	0.890	14.6	18.7

HAEMATOLOGY
AFTER 4 WEEKS
FEMALES
GROUP 5 (PFHS)

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS RBC T/l	HB mmol/l	HCT l/l	MCV fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
161	5.92	8.4	0.356	60.1	1.419	23.6	10.9	1112
162	6.55	9.0	0.375	57.3	1.374	24.0	10.9	314
163	6.70	8.7	0.366	54.6	1.299	23.8	11.8	975
164	---	---	---	---	---	---	---	---
165	6.23	8.6	0.353	56.7	1.380	24.4	11.7	1192
166	6.58	9.0	0.374	56.8	1.368	24.1	11.0	1178
167	6.65	8.8	0.360	54.1	1.323	24.4	11.9	1044
168	6.36	9.1	0.374	58.8	1.431	24.3	10.6	1120
169	6.07	8.5	0.333	54.9	1.400	25.5	11.3	1053
170	6.42	8.4	0.342	53.3	1.308	24.6	10.9	1066
171	6.50	9.1	0.381	58.6	1.400	23.9	10.7	1157
173	6.63	8.5	0.350	52.8	1.282	24.3	11.6	1019
174	5.94	8.7	0.359	60.4	1.343	24.8	10.6	938
175	6.02	7.8	0.325	54.0	1.296	24.0	12.7	1281

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
161	6.3	0.065	0.005	0.000	0.020	0.910	13.7	15.8
162	4.8	0.050	0.005	0.000	0.010	0.935	---	---
163	5.2	0.065	0.015	0.000	0.005	0.915	14.0	15.7
164	---	---	---	---	---	---	14.3	15.1
165	7.2	0.040	0.010	0.000	0.045	0.905	14.1	16.4
166	10.8	0.040	0.010	0.000	0.035	0.915	13.9	17.9
167	5.8	0.090	0.020	0.000	0.035	0.855	15.8	22.1
168	9.1	0.065	0.005	0.000	0.015	0.915	---	---
169	4.6	0.115	0.005	0.000	0.035	0.845	15.9	16.0
170	6.7	0.110	0.010	0.000	0.015	0.865	14.4	15.5
171	5.5	0.045	0.005	0.000	0.020	0.930	14.2	18.1
173	4.5	0.095	0.020	0.000	0.025	0.860	14.4	15.9
174	4.1	0.155	0.005	0.000	0.035	0.805	15.1	---
175	7.2	0.100	0.005	0.000	0.020	0.875	14.0	16.8

HAEMATOLOGY
AFTER 4 WEEKS
FEMALES
GROUP 6 (PFOS)

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
177	---	---	---	---	---	---	---	---
178	6.69	8.6	0.360	53.8	1.286	23.9	11.7	988
179	---	---	---	---	---	---	---	---
180	---	---	---	---	---	---	---	---
181	6.54	8.9	0.369	56.4	1.361	24.1	10.7	1068
182	6.30	8.6	0.356	56.5	1.365	24.2	10.9	1220
183	7.23	9.6	0.399	55.2	1.328	24.1	11.2	1027
184	6.51	9.0	0.369	56.7	1.382	24.4	10.4	1208
185	6.38	8.5	0.354	55.5	1.332	24.0	12.0	1229
186	5.98	8.0	0.334	55.9	1.338	24.0	12.0	1187
187	6.66	8.9	0.371	55.7	1.336	24.0	11.3	1069
189	6.07	8.1	0.338	55.7	1.334	24.0	11.1	1423
190	5.95	8.6	0.361	60.7	1.445	23.8	10.7	1033
191	6.21	8.2	0.333	53.6	1.320	24.6	11.3	1024

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
177	---	---	---	---	---	---	13.3	13.6
178	4.5	0.055	0.000	0.000	0.010	0.935	13.9	12.9
179	---	---	---	---	---	---	14.8	16.7
180	---	---	---	---	---	---	14.7	14.6
181	7.4	0.075	0.005	0.000	0.015	0.905	14.2	16.8
182	11.8	0.080	0.005	0.000	0.020	0.895	14.7	17.7
183	11.1	0.040	0.005	0.000	0.025	0.930	14.3	20.0
184	8.3	0.085	0.005	0.000	0.025	0.885	14.3	20.5
185	7.2	0.090	0.000	0.000	0.010	0.900	14.8	15.0
186	6.6	0.120	0.010	0.000	0.030	0.840	14.4	16.2
187	6.7	0.080	0.010	0.000	0.025	0.885	14.7	15.8
189	7.9	0.070	0.000	0.000	0.020	0.910	14.1	16.4
190	8.3	0.080	0.010	0.000	0.025	0.885	14.7	16.0
191	12.1	0.075	0.005	0.000	0.015	0.905	14.5	18.1

BACK TO MAIN

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 1 (VEHICLE CONTROL)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
9	7.05	8.7	0.406	57.6	1.234	21.4	14.1	1293
10	7.41	9.2	0.428	57.8	1.242	21.5	14.5	1086
11	7.23	9.4	0.417	57.7	1.300	22.5	13.6	1152

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. l	EO. l	BASO. l	MONO. l	LYMPH. l	PT SEC	PTT SEC
9	8.1	0.150	0.010	0.000	0.030	0.810	14.6	17.4
10	6.9	0.120	0.015	0.000	0.025	0.840	14.3	15.3
11	10.5	0.065	0.015	0.000	0.025	0.895	15.0	15.9

BACK TO MAIN

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 2 (TELOMER ALCOHOL)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
25	6.79	8.8	0.395	58.2	1.296	22.3	14.2	1198
26	7.06	8.9	0.407	57.6	1.261	21.9	13.9	1015
27	7.28	8.9	0.409	56.2	1.223	21.8	13.0	1030

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
25	14.9	0.075	0.005	0.000	0.015	0.905	15.3	15.0
26	8.6	0.210	0.000	0.000	0.030	0.760	15.6	16.1
27	12.5	0.095	0.010	0.000	0.020	0.875	14.7	14.8

BACK TO MAIN

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 3 (TELOMER ACRYLATE)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
41	6.83	8.7	0.396	58.0	1.274	22.0	13.8	1239
42	6.80	8.3	0.386	56.8	1.221	21.5	13.8	1323
43	7.28	9.2	0.421	57.8	1.264	21.9	12.5	995

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
41	12.1	0.090	0.010	0.000	0.025	0.875	15.3	17.1
42	13.9	0.040	0.000	0.000	0.020	0.940	14.1	15.8
43	10.2	0.135	0.005	0.000	0.030	0.830	15.2	15.2

BACK TO MAIN

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 4 ( )

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
57	6.76	8.7	0.389	57.5	1.287	22.4	12.9	1099
58	6.94	8.8	0.400	57.6	1.268	22.0	12.3	1116
59	7.29	8.9	0.416	57.1	1.221	21.4	14.8	1024

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
57	14.0	0.080	0.000	0.000	0.030	0.890	15.0	16.2
58	12.2	0.050	0.005	0.000	0.020	0.925	14.8	15.3
59	10.5	0.045	0.005	0.000	0.020	0.930	13.9	13.6

BACK TO MAIN

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 5 (PFHS)

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
73	6.86	8.5	0.388	56.6	1.239	21.9	14.0	1028
74	6.84	8.5	0.395	57.7	1.243	21.5	15.0	1071
75	7.21	8.7	0.394	54.6	1.207	22.1	14.2	1059

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
73	11.1	0.200	0.015	0.000	0.025	0.760	15.5	15.3
74	6.4	0.075	0.010	0.000	0.010	0.905	14.9	15.0
75	7.9	0.125	0.010	0.000	0.020	0.845	---	---

BACK TO MAIN

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 6 (PFOS)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
89	6.76	8.9	0.401	59.3	1.317	22.2	14.0	1068
90	7.15	8.9	0.412	57.6	1.245	21.6	12.9	1026
91	7.13	8.9	0.411	57.6	1.248	21.7	12.5	1140

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. l	EO. l	BASO. l	MONO. l	LYMPH. l	PT SEC	PTT SEC
89	12.7	0.125	0.000	0.000	0.020	0.855	15.6	16.3
90	12.8	0.155	0.005	0.000	0.020	0.820	15.9	14.6
91	9.4	0.130	0.000	0.000	0.015	0.855	14.9	13.2

BACK TO MAIN

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 1 (VEHICLE CONTROL)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
105	7.02	8.8	0.399	56.8	1.254	22.1	15.8	1410
106	7.11	9.2	0.414	58.2	1.294	22.2	12.9	1083
107	6.93	8.9	0.398	57.4	1.284	22.4	14.7	1204

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
105	9.2	0.055	0.000	0.000	0.025	0.920	16.2	17.7
106	7.1	0.115	0.010	0.000	0.015	0.860	15.5	14.7
107	5.7	0.055	0.005	0.000	0.010	0.930	16.3	14.0

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 2 (TELOMER ALCOHOL)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
121	6.26	8.6	0.378	60.4	1.374	22.8	14.8	1283
122	6.63	8.4	0.382	57.6	1.267	22.0	16.4	1024
123	6.52	8.3	0.373	57.2	1.273	22.3	14.4	1045

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
121	10.9	0.095	0.000	0.000	0.035	0.870	14.6	14.6
122	5.6	0.080	0.005	0.000	0.025	0.890	14.9	14.1
123	9.6	0.055	0.015	0.000	0.015	0.915	15.3	14.6

BACK TO MAIN

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 3 (TELOMER ACRYLATE)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT 1/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
137	6.49	8.9	0.402	61.9	1.371	22.1	15.9	1053
138	6.88	8.7	0.387	56.3	1.265	22.5	13.9	1205
139	6.49	8.4	0.379	58.4	1.294	22.2	16.3	939

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
137	11.0	0.060	0.005	0.000	0.030	0.905	16.1	16.3
138	6.0	0.050	0.005	0.000	0.005	0.940	15.8	14.8
139	4.8	0.085	0.000	0.000	0.015	0.900	15.0	14.2

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 4 ( )

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
153	6.59	8.8	0.397	60.2	1.335	22.2	17.2	1060
154	7.27	9.4	0.408	56.1	1.293	23.0	14.0	1171
155	6.27	8.7	0.384	61.2	1.388	22.7	14.7	1102

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
153	7.9	0.075	0.005	0.000	0.045	0.875	14.8	15.7
154	6.9	0.050	0.015	0.000	0.035	0.900	15.1	14.0
155	5.3	0.115	0.010	0.000	0.020	0.855	14.5	14.6

BACK TO MAIN

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 5 (PFHS)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
169	6.22	8.2	0.357	57.4	1.318	23.0	14.0	1010
170	6.70	8.4	0.376	56.1	1.254	22.3	15.8	828
171	6.91	9.2	0.416	60.2	1.331	22.1	13.9	723

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
169	5.9	0.085	0.005	0.000	0.015	0.895	---	---
170	7.7	0.035	0.020	0.000	0.000	0.945	14.7	16.6
171	6.1	0.030	0.000	0.000	0.015	0.955	14.9	14.8

BACK TO MAIN

HAEMATOLOGY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 6 (PFOS)

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
185	6.48	8.5	0.382	59.0	1.312	22.3	15.8	1206
186	6.23	8.2	0.374	60.0	1.316	21.9	15.8	769
187	6.88	8.9	0.405	58.9	1.294	22.0	15.6	1127

ANIMAL NUMBER	HAEMATOLOGY PARAMETERS WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
185	5.3	0.115	0.000	0.000	0.025	0.860	15.4	13.7
186	9.6	0.100	0.000	0.000	0.020	0.880	---	---
187	5.4	0.085	0.005	0.000	0.035	0.875	15.5	13.7

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 1 (VEHICLE CONTROL)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
13	7.52	8.9	0.391	52.0	1.184	22.8	14.4	1062
14	7.75	9.8	0.424	54.7	1.265	23.1	14.1	981
15	6.79	8.7	0.373	54.9	1.281	23.3	14.9	1204

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
13	13.0	0.055	0.010	0.000	0.075	0.860	12.7	16.1
14	12.5	0.160	0.010	0.000	0.055	0.775	---	---
15	11.2	0.095	0.000	0.000	0.025	0.880	13.5	15.9

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 2 (TELOMER ALCOHOL)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
29	7.16	9.1	0.396	55.3	1.271	23.0	12.7	917
30	6.88	9.2	0.390	56.7	1.337	23.6	12.6	1097
31	6.98	8.9	0.386	55.3	1.275	23.1	13.5	1062

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
29	10.7	0.120	0.010	0.000	0.075	0.795	---	---
30	10.5	0.065	0.000	0.000	0.040	0.895	13.3	14.6
31	15.8	0.100	0.000	0.000	0.050	0.850	12.7	15.7

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 3 (TELOMER ACRYLATE)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
45	6.84	8.9	0.372	54.4	1.301	23.9	13.9	1244
46	6.70	8.9	0.386	57.6	1.328	23.1	13.8	960
47	7.01	9.4	0.395	56.3	1.341	23.8	13.3	1024

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
45	15.6	0.085	0.005	0.000	0.025	0.885	13.3	16.7
46	8.6	0.125	0.015	0.000	0.085	0.775	13.6	16.6
47	8.2	0.060	0.010	0.000	0.030	0.900	13.2	17.0

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 4 ( )

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
61	6.84	9.2	0.379	55.4	1.345	24.3	13.4	1232
62	7.18	9.5	0.408	56.8	1.323	23.3	12.6	1206
63	7.01	9.0	0.388	55.3	1.284	23.2	12.7	1100

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
61	10.7	0.055	0.005	0.000	0.030	0.910	---	---
62	9.2	0.055	0.010	0.000	0.015	0.920	13.0	15.9
63	8.2	0.070	0.000	0.000	0.015	0.915	14.6	17.0

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 5 (PFHS)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
77	6.82	8.9	0.384	56.3	1.305	23.2	13.2	1000
78	6.87	8.7	0.381	55.5	1.266	22.8	13.8	884
79	6.97	9.4	0.406	58.2	1.349	23.2	13.8	1013

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
77	9.5	0.060	0.005	0.000	0.020	0.915	14.5	14.9
78	7.1	0.065	0.010	0.000	0.035	0.890	---	---
79	6.5	0.065	0.005	0.000	0.020	0.910	13.8	15.5

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 6 (PFOS)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
93	7.14	8.9	0.383	53.6	1.246	23.2	14.7	1083
94	7.20	9.2	0.406	56.4	1.278	22.7	13.2	1047
95	6.63	8.8	0.378	57.0	1.327	23.3	13.2	1101

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
93	7.5	0.040	0.005	0.000	0.030	0.925	14.2	13.2
94	12.7	0.065	0.010	0.000	0.005	0.920	13.9	16.9
95	13.5	0.130	0.005	0.000	0.045	0.820	13.8	13.7

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 1 (VEHICLE CONTROL)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
109	6.76	9.2	0.380	56.2	1.361	24.2	12.2	911
110	7.09	9.4	0.423	59.7	1.326	22.2	13.7	992
111	6.76	9.2	0.389	57.5	1.361	23.7	12.5	1013

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
109	5.9	0.020	0.000	0.000	0.020	0.960	13.0	14.6
110	6.7	0.080	0.005	0.000	0.015	0.900	12.0	16.9
111	5.5	0.060	0.020	0.000	0.010	0.910	11.8	15.6

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 2 (TELOMER ALCOHOL)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
125	6.95	9.4	0.400	57.6	1.353	23.5	13.1	1088
126	6.85	9.5	0.403	58.8	1.387	23.6	14.0	882
127	6.77	9.2	0.404	59.7	1.359	22.8	13.4	969

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
125	8.7	0.055	0.005	0.000	0.035	0.905	11.9	14.1
126	9.9	0.075	0.005	0.000	0.025	0.895	12.2	14.7
127	7.8	0.080	0.000	0.000	0.020	0.900	12.5	15.0

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 3 (TELOMER ACRYLATE)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
141	6.87	8.9	0.381	55.5	1.295	23.4	13.3	1093
142	7.01	9.2	0.398	56.8	1.312	23.1	13.1	841
143	6.48	8.8	0.388	59.9	1.358	22.7	13.4	961

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
141	10.7	0.025	0.010	0.000	0.035	0.930	12.2	14.6
142	8.9	0.055	0.010	0.000	0.010	0.925	11.9	16.7
143	3.5	0.035	0.010	0.000	0.010	0.945	11.5	15.9

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 4 ( )

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
157	7.25	9.2	0.402	55.4	1.269	22.9	12.9	1028
158	6.88	8.9	0.386	56.1	1.294	23.1	12.5	1045
159	6.85	9.1	0.391	57.1	1.328	23.3	12.3	969

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
157	6.3	0.025	0.020	0.000	0.030	0.925	12.5	14.6
158	6.5	0.095	0.020	0.000	0.030	0.855	11.5	14.6
159	5.8	0.110	0.020	0.000	0.030	0.840	12.6	15.7

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 5 (PFHS)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
173	7.08	9.0	0.388	54.8	1.271	23.2	13.7	939
174	6.73	9.2	0.411	61.1	1.367	22.4	12.1	874
175	6.59	8.6	0.368	55.8	1.305	23.4	14.1	1120

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
173	6.9	0.095	0.010	0.000	0.040	0.855	11.8	15.2
174	4.5	0.065	0.005	0.000	0.050	0.880	12.0	15.5
175	9.1	0.065	0.005	0.000	0.015	0.915	11.4	15.1

BACK TO MAIN

HAEMATOLOGY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 6 (PFOS)

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	RBC T/l	HB mmol/l	HCT l/l	mcv fl	MCH fmol	MCHC mmol/l	RDW %	PLATELETS G/l
189	6.49	8.7	0.370	57.0	1.341	23.5	11.9	1062
190	6.73	9.2	0.413	61.4	1.367	22.3	13.3	906
191	6.45	8.1	0.355	55.0	1.256	22.8	13.5	1013

	HAEMATOLOGY PARAMETERS							
ANIMAL NUMBER	WBC G/l	SEG. 1	EO. 1	BASO. 1	MONO. 1	LYMPH. 1	PT SEC	PTT SEC
189	11.3	0.085	0.000	0.000	0.015	0.900	12.0	13.6
190	7.4	0.065	0.015	0.000	0.025	0.895	12.7	15.5
191	7.4	0.035	0.000	0.000	0.010	0.955	12.0	15.5

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
MALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
1	0.88	3.21	3	1.58	0.75	35	6.63	6.5
2	0.69	2.55	1	1.94	0.80	29	5.67	5.9
3	0.79	2.34	2	2.63	0.63	37	6.01	8.8
4	0.60	3.28	1	2.36	1.27	31	5.65	5.8
5	0.66	3.30	3	1.47	0.54	32	7.14	6.5
6	0.51	2.77	3	2.14	0.83	29	7.50	5.9
7	0.67	2.76	3	2.07	1.12	29	6.31	5.5
8	0.50	2.16	2	1.70	0.59	28	5.56	6.5
9	0.58	2.42	3	2.47	0.53	38	6.70	8.1
10	0.70	2.33	3	2.53	0.88	38	6.04	8.6
11	0.56	3.13	2	1.53	0.61	33	6.93	7.7
13	0.54	2.92	2	2.04	1.05	38	6.14	7.5
14	0.53	2.86	2	1.85	0.52	30	4.94	5.9
15	0.80	3.10	3	1.64	1.07	39	7.31	6.9

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
1	54.4	29.0	25.4	1.1	12.54	2.76	143.5	4.70
2	56.6	29.6	27.0	1.1	7.29	3.22	143.8	5.32
3	57.5	30.4	27.1	1.1	6.03	2.79	143.1	4.50
4	57.8	30.4	27.4	1.1	7.45	2.63	143.1	4.72
5	59.9	30.4	29.5	1.0	8.56	2.86	144.8	4.50
6	59.1	28.9	30.2	1.0	6.65	2.71	142.3	4.72
7	62.5	30.2	32.3	0.9	6.99	2.85	143.3	4.70
8	57.5	28.5	29.0	1.0	8.54	3.04	142.8	4.69
9	55.2	28.5	26.7	1.1	6.11	2.73	141.6	5.10
10	50.8	27.7	23.1	1.2	10.02	2.70	143.1	4.70
11	53.5	30.0	23.5	1.3	7.26	2.78	143.3	5.07
13	55.9	29.2	26.7	1.1	7.58	2.80	141.3	4.67
14	57.6	28.6	29.0	1.0	7.29	3.00	139.8	5.56
15	56.6	29.2	27.4	1.1	6.26	2.78	140.6	4.96

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
1	2.46	104
2	2.68	101
3	2.53	101
4	2.55	102
5	2.63	98
6	2.58	97
7	2.64	99
8	2.48	100
9	2.47	100
10	2.43	100
11	2.47	99
13	2.49	102
14	2.58	95
15	2.49	97

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
MALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
17	0.56	1.85	2	1.37	0.87	29	6.37	6.2
18	0.47	2.26	2	1.67	1.23	31	6.47	6.5
19	0.71	2.48	2	1.34	1.20	31	7.16	7.4
20	0.83	3.02	2	0.99	0.30	34	5.68	8.1
21	0.52	2.20	2	1.01	0.37	26	8.71	6.7
22	0.62	2.63	2	1.11	0.80	29	7.19	6.1
23	0.70	2.63	2	0.86	0.47	31	6.58	6.1
24	0.65	2.38	2	1.02	0.39	30	6.85	8.3
25	0.56	2.46	2	2.58	0.54	32	6.17	6.7
26	0.48	2.64	3	1.14	0.43	30	4.50	8.3
27	0.64	2.96	3	1.31	0.56	34	6.68	8.3
29	0.51	2.68	3	1.48	0.56	29	6.33	5.5
30	0.60	3.14	2	1.13	0.60	29	5.58	5.9
31	0.66	3.41	2	0.92	0.49	24	6.49	7.2

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
17	53.0	28.0	25.0	1.1	6.46	2.60	143.9	4.25
18	53.8	29.3	24.5	1.2	8.92	3.04	143.3	4.65
19	54.3	31.5	22.8	1.4	7.59	2.93	143.1	4.40
20	54.9	30.8	24.1	1.3	6.81	2.69	143.3	4.55
21	54.2	27.3	26.9	1.0	8.12	2.64	143.4	5.07
22	53.0	28.8	24.2	1.2	7.04	2.90	142.6	4.64
23	52.6	27.6	25.0	1.1	6.03	2.69	142.1	4.49
24	52.6	29.5	23.1	1.3	6.84	2.76	141.4	5.14
25	53.1	27.8	25.3	1.1	8.21	2.65	142.3	4.60
26	53.1	28.2	24.9	1.1	11.53	2.71	143.5	4.34
27	50.5	27.7	22.8	1.2	7.94	2.72	141.8	4.78
29	58.0	29.3	28.7	1.0	9.19	2.80	144.8	4.69
30	51.9	29.2	22.7	1.3	12.49	2.61	142.5	4.24
31	49.1	27.4	21.7	1.3	6.01	2.76	141.9	4.51

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
17	2.58	101
18	2.48	100
19	2.55	102
20	2.50	103
21	2.49	94
22	2.47	99
23	2.43	101
24	2.44	99
25	2.42	101
26	2.42	102
27	2.37	101
29	2.59	100
30	2.43	101
31	2.44	100

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
MALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
33	0.58	3.74	2	1.28	1.72	31	6.30	5.7
34	0.85	2.81	2	2.72	0.71	29	5.63	6.0
35	0.64	2.72	1	1.19	0.62	34	6.80	7.2
36	0.62	2.46	2	0.89	0.44	33	5.77	7.2
37	0.52	2.00	2	1.13	0.66	28	6.56	5.7
38	0.45	2.31	2	1.91	1.34	29	6.66	7.5
39	0.81	2.85	3	1.13	0.46	30	6.95	6.2
40	0.44	1.87	3	1.10	0.68	32	7.48	8.5
41	0.48	2.46	2	1.64	1.13	31	7.21	5.7
42	0.50	2.27	2	1.40	0.56	31	6.26	8.1
43	0.73	2.62	2	1.51	0.43	30	5.24	6.2
45	0.72	2.98	3	1.72	0.51	34	5.48	7.7
46	---	2.48	2	1.02	0.43	31	5.86	6.5
47	0.57	2.52	2	1.33	0.57	27	5.22	4.9

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
33	57.8	33.4	24.4	1.4	8.10	2.88	143.7	4.81
34	58.1	30.0	28.1	1.1	7.91	2.95	143.5	3.92
35	51.9	29.6	22.3	1.3	8.31	2.80	143.2	4.81
36	52.6	29.5	23.1	1.3	8.85	3.10	144.5	4.32
37	51.9	30.2	21.7	1.4	7.99	3.04	143.1	4.95
38	56.0	29.9	26.1	1.1	6.99	2.69	144.0	4.85
39	54.2	28.4	25.8	1.1	5.23	2.90	142.6	4.66
40	55.2	29.0	26.2	1.1	8.66	3.22	143.7	5.14
41	55.4	29.2	26.2	1.1	7.93	2.92	143.6	5.30
42	50.9	26.9	24.0	1.1	6.91	2.79	143.0	4.69
43	54.0	29.5	24.5	1.2	6.98	2.55	142.4	4.58
45	52.7	29.2	23.5	1.2	6.06	2.90	141.7	4.81
46	47.6	25.8	21.8	1.2	9.35	3.01	143.0	5.13
47	56.3	29.4	26.9	1.1	8.53	2.61	142.6	4.09

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
33	2.57	101
34	2.53	100
35	2.38	103
36	2.62	102
37	2.48	102
38	2.55	100
39	2.48	100
40	2.57	102
41	2.54	104
42	2.44	104
43	2.47	102
45	2.50	101
46	2.44	103
47	2.46	101

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
MALES
GROUP 4 ( )

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
49	0.68	2.49	2	1.62	0.56	35	7.70	7.8
50	0.47	2.41	2	1.73	0.58	34	6.58	6.7
51	0.63	2.09	2	1.75	1.22	29	8.07	6.4
52	0.52	2.30	3	1.76	0.85	31	7.05	6.8
53	0.69	2.85	2	1.65	0.51	29	5.86	5.7
54	0.53	2.16	2	1.39	0.50	37	7.41	5.6
55	0.73	2.43	2	1.33	0.73	34	7.04	7.1
56	0.62	2.19	3	2.56	0.84	32	7.39	6.9
57	0.67	2.48	3	2.37	0.66	42	7.38	8.6
58	0.49	2.58	2	2.23	0.75	32	5.75	6.8
59	---	2.52	3	1.54	0.60	35	6.29	6.2
61	0.45	2.28	2	1.15	0.45	38	6.57	6.6
62	0.38	1.67	2	1.98	0.50	40	4.62	9.0
63	0.52	1.85	2	1.51	0.40	31	4.58	6.2

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
49	57.3	31.0	26.3	1.2	8.01	2.56	143.8	4.67
50	51.9	30.2	21.7	1.4	7.08	2.84	143.1	4.81
51	57.0	31.0	26.0	1.2	8.24	2.67	141.3	4.46
52	56.7	32.5	24.2	1.3	10.97	2.59	142.6	4.51
53	54.2	28.8	25.4	1.1	7.10	2.83	143.2	4.70
54	52.8	28.9	23.9	1.2	9.03	2.72	143.4	4.60
55	53.5	30.4	23.1	1.3	8.06	2.54	142.4	4.31
56	53.2	28.6	24.6	1.2	8.42	2.72	143.0	4.65
57	51.0	29.3	21.7	1.4	8.47	3.19	142.5	4.50
58	56.4	31.1	25.3	1.2	7.39	2.40	142.7	4.21
59	53.2	28.6	24.6	1.2	6.63	2.58	143.3	4.15
61	53.3	30.5	22.8	1.3	6.76	2.76	143.0	4.33
62	51.8	28.3	23.5	1.2	7.03	3.15	143.8	4.85
63	50.7	28.2	22.5	1.3	8.81	2.45	144.3	4.29

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
49	2.45	101
50	2.43	104
51	2.52	100
52	2.55	98
53	2.48	102
54	2.41	102
55	2.45	102
56	2.36	101
57	2.54	103
58	2.57	101
59	2.37	99
61	2.47	95
62	2.56	104
63	2.45	102

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
MALES
GROUP 5 (PFHS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
65	0.56	1.95	2	1.22	0.83	32	9.60	7.7
66	0.68	2.21	1	1.20	0.46	31	7.63	7.0
67	0.59	2.08	2	1.12	0.59	30	6.33	7.9
68	0.63	2.30	1	0.91	0.37	32	7.08	7.5
69	0.50	2.69	2	0.87	0.29	37	7.01	8.4
70	0.57	2.44	2	0.83	0.30	32	8.35	6.2
71	0.60	2.73	2	0.83	0.42	36	6.43	5.9
72	0.66	2.57	2	1.15	0.51	34	7.18	9.0
73	0.61	2.42	2	0.78	0.33	34	5.22	6.9
74	0.65	2.43	3	1.19	0.51	36	6.65	8.2
75	0.59	2.01	2	1.23	0.40	35	7.43	7.3
77	0.56	2.27	2	0.92	0.36	42	4.36	8.3
78	1.53	2.74	2	0.70	0.23	50	4.03	11.8
79	0.64	2.60	2	0.68	0.37	32	6.75	6.0

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
65	56.0	28.2	27.8	1.0	7.03	3.16	143.1	4.44
66	55.2	31.1	24.1	1.3	10.00	2.75	143.1	4.04
67	51.6	31.2	20.4	1.5	8.63	3.05	143.9	4.56
68	50.1	29.9	20.2	1.5	8.60	2.65	143.1	4.23
69	54.0	30.1	23.9	1.3	9.07	3.00	144.3	4.48
70	52.3	29.4	22.9	1.3	10.97	3.05	142.9	4.62
71	58.3	32.9	25.4	1.3	10.10	3.74	144.6	5.64
72	59.1	32.5	26.6	1.2	7.64	2.85	142.2	4.35
73	51.0	30.4	20.6	1.5	8.94	3.15	144.5	4.17
74	53.0	29.7	23.3	1.3	9.14	3.23	143.0	5.41
75	55.3	31.5	23.8	1.3	11.09	2.88	143.4	4.39
77	54.0	28.6	25.4	1.1	9.33	2.49	142.4	4.24
78	50.4	29.8	20.6	1.4	7.62	3.11	142.1	4.30
79	51.1	29.7	21.4	1.4	12.50	3.12	143.7	4.78

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
65	2.66	100
66	2.45	101
67	2.56	103
68	2.40	101
69	2.54	105
70	2.51	102
71	2.64	105
72	2.53	104
73	2.54	104
74	2.56	102
75	2.44	98
77	2.40	103
78	2.49	103
79	2.48	106

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
MALES
GROUP 6 (PFOS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
81	0.60	1.88	3	1.99	0.47	30	5.84	6.5
82	0.58	2.80	1	1.09	0.91	28	7.19	6.5
83	0.49	1.70	2	0.81	0.34	38	8.85	8.8
84	0.67	2.05	2	1.11	0.37	30	5.70	7.1
85	0.49	1.67	3	1.77	0.45	29	4.92	7.0
86	0.62	2.88	3	0.88	0.52	30	8.51	6.1
87	0.60	2.06	2	1.13	0.48	37	6.72	10.7
88	0.54	2.61	3	0.96	0.48	30	4.50	8.1
89	0.62	2.78	3	1.16	0.43	33	6.45	7.9
90	0.66	2.28	3	1.49	0.41	29	6.00	7.4
91	0.56	3.05	3	1.19	0.79	37	5.13	9.0
93	0.62	2.40	2	0.40	0.27	30	6.20	7.7
94	0.65	2.34	2	0.88	0.39	28	6.92	6.9
95	0.61	2.68	2	0.91	0.42	32	6.35	6.9

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
81	53.0	31.2	21.8	1.4	5.41	2.60	143.4	4.39
82	54.9	30.3	24.6	1.2	8.58	2.95	143.9	4.99
83	54.9	31.4	23.5	1.3	9.87	3.11	143.1	5.27
84	55.9	29.5	26.4	1.1	4.56	2.95	142.7	5.00
85	53.1	30.1	23.0	1.3	5.55	2.91	144.6	3.98
86	54.7	29.2	25.5	1.1	8.46	2.80	143.3	4.55
87	57.5	29.4	28.1	1.0	7.00	3.07	143.3	4.39
88	51.6	28.2	23.4	1.2	7.24	2.83	143.2	4.67
89	53.0	28.5	24.5	1.2	7.98	3.01	143.2	4.46
90	53.7	28.4	25.3	1.1	6.12	3.37	142.0	4.75
91	56.4	27.7	28.7	1.0	8.68	3.16	141.8	4.59
93	49.7	28.0	21.7	1.3	8.14	2.67	141.9	4.72
94	53.6	28.1	25.5	1.1	7.23	2.94	142.5	5.15
95	55.0	29.7	25.3	1.2	6.78	3.03	141.6	4.34

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
81	2.59	101
82	2.47	100
83	2.58	102
84	2.52	106
85	2.58	105
86	2.66	101
87	2.57	106
88	2.44	102
89	2.50	104
90	2.57	106
91	2.52	100
93	2.35	103
94	2.53	106
95	2.45	99

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
FEMALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
97	0.69	2.74	4	2.74	0.81	39	5.58	10.1
98	0.39	1.94	3	1.68	0.33	37	5.92	6.1
99	0.44	2.47	2	2.44	0.71	35	5.98	6.2
100	0.69	3.09	2	1.81	0.40	40	6.07	6.4
101	0.61	2.94	4	1.97	0.80	42	5.96	11.0
102	0.53	2.97	3	1.87	0.51	41	5.69	11.6
103	0.47	2.75	3	1.75	0.44	38	5.65	7.1
104	0.52	2.70	2	2.44	0.62	46	6.20	8.6
105	0.65	2.39	2	1.68	0.48	38	5.66	9.4
106	0.40	2.35	3	2.86	0.88	39	7.58	8.8
107	0.46	2.86	2	1.92	0.37	44	6.41	8.3
109	0.33	2.26	3	2.45	0.68	42	5.67	7.9
110	0.64	2.93	2	2.47	0.69	40	6.42	6.7
111	0.46	2.22	3	2.81	0.74	40	5.95	8.6

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
97	63.1	32.0	31.1	1.0	3.33	2.87	142.4	4.85
98	67.9	35.1	32.8	1.1	4.34	2.50	144.1	3.41
99	61.3	32.2	29.1	1.1	5.17	2.67	146.1	3.96
100	67.4	34.1	33.3	1.0	5.53	2.61	139.8	4.59
101	67.1	34.4	32.7	1.1	4.09	2.68	143.7	4.03
102	61.5	33.4	28.1	1.2	4.41	2.93	142.1	4.78
103	70.1	36.4	33.7	1.1	3.91	2.27	141.6	4.08
104	70.9	34.9	36.0	1.0	5.50	2.52	141.7	4.18
105	67.3	34.0	33.3	1.0	4.21	2.87	141.0	4.13
106	65.5	34.6	30.9	1.1	3.87	2.68	141.4	4.09
107	64.8	32.6	32.2	1.0	4.50	2.50	142.0	3.77
109	60.8	32.1	28.7	1.1	4.79	2.12	141.4	3.91
110	69.8	36.1	33.7	1.1	4.35	2.37	142.7	3.87
111	64.7	34.2	30.5	1.1	4.39	2.49	141.1	4.21

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
97	2.72	103
98	2.60	101
99	2.59	100
100	2.47	98
101	2.66	93
102	2.52	98
103	2.59	98
104	2.58	96
105	2.59	93
106	2.66	94
107	2.45	96
109	2.37	97
110	2.52	96
111	2.58	96

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
FEMALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
113	0.60	1.59	3	2.41	0.47	33	5.30	7.4
114	0.48	2.06	3	2.66	0.52	34	5.86	7.1
115	0.56	2.28	3	2.22	1.07	36	5.63	6.9
116	0.43	2.22	3	2.56	0.48	44	6.82	10.1
117	0.39	1.98	2	1.70	0.47	35	6.08	7.2
118	0.47	3.45	3	2.14	0.60	42	6.00	11.7
119	0.66	3.15	3	2.86	0.69	40	5.66	9.1
120	0.35	2.12	2	2.14	0.46	36	5.90	8.6
121	0.51	2.34	2	2.24	0.52	41	7.40	9.5
122	0.38	2.91	2	2.15	0.60	39	5.79	7.4
123	0.39	2.15	2	1.46	0.42	36	5.70	6.3
125	0.37	2.76	2	2.57	0.63	37	5.76	8.5
126	0.45	2.40	2	1.85	0.31	39	5.38	8.6
127	0.47	1.75	2	2.69	0.69	44	5.29	8.7

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
113	66.6	34.2	32.4	1.1	2.57	2.57	141.5	4.20
114	66.1	30.8	35.3	0.9	4.21	2.69	142.5	4.43
115	68.2	34.1	34.1	1.0	3.54	2.43	143.3	4.08
116	65.6	34.0	31.6	1.1	3.67	2.63	143.1	3.91
117	61.3	32.5	28.8	1.1	4.13	2.28	143.0	3.79
118	67.0	35.0	32.0	1.1	3.19	2.70	142.2	4.79
119	67.9	33.7	34.2	1.0	5.23	2.69	140.9	4.55
120	63.6	33.6	30.0	1.1	4.08	2.71	142.5	4.14
121	59.6	32.5	27.1	1.2	5.43	2.60	143.2	4.44
122	68.8	37.0	31.8	1.2	5.30	2.39	143.5	4.19
123	64.6	34.6	30.0	1.2	3.19	2.48	142.0	3.79
125	63.3	34.2	29.1	1.2	2.78	2.57	142.4	4.04
126	63.2	33.9	29.3	1.2	4.25	2.41	142.7	4.10
127	61.3	32.9	28.4	1.2	5.05	2.20	143.7	3.49

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
113	2.66	102
114	2.60	99
115	2.67	102
116	2.63	99
117	2.50	100
118	2.57	101
119	2.63	97
120	2.60	96
121	2.57	96
122	2.65	98
123	2.57	96
125	2.65	98
126	2.54	97
127	2.51	99

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
FEMALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
129	0.30	1.66	2	1.74	0.51	32	5.27	5.5
130	0.57	2.18	3	1.83	0.49	37	5.23	8.4
131	0.47	2.08	2	1.76	0.67	34	6.67	7.0
132	0.49	1.97	2	2.50	0.56	37	5.78	9.4
133	0.84	2.32	3	2.88	0.74	37	6.32	10.4
134	0.76	2.15	3	2.53	0.81	38	5.83	9.7
135	0.66	2.60	3	2.17	0.80	44	5.62	9.5
136	0.60	2.45	3	1.68	0.62	38	6.25	8.5
137	0.43	1.99	2	1.41	0.41	45	5.83	11.4
138	0.44	2.82	2	2.03	0.60	40	6.89	8.4
139	0.47	1.73	3	1.99	0.53	40	6.20	7.3
141	0.55	2.47	3	2.14	0.38	41	6.08	11.3
142	0.58	2.12	3	2.18	0.40	38	5.98	7.0
143	0.51	2.82	3	2.39	0.59	43	7.96	9.6

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
129	64.4	32.3	32.1	1.0	3.01	2.43	143.8	3.81
130	66.2	34.0	32.2	1.1	4.48	2.58	143.2	4.28
131	68.0	35.3	32.7	1.1	3.02	2.40	143.1	3.64
132	62.0	33.5	28.5	1.2	5.49	2.73	142.7	3.97
133	69.5	34.8	34.7	1.0	3.20	2.41	142.8	3.89
134	62.8	32.0	30.8	1.0	5.05	2.72	140.9	4.31
135	65.6	33.5	32.1	1.0	5.59	2.69	140.9	4.41
136	66.7	34.5	32.2	1.1	3.32	2.38	143.4	4.04
137	60.2	31.2	29.0	1.1	5.91	2.29	142.6	4.44
138	65.8	35.0	30.8	1.1	5.72	2.45	144.3	3.63
139	64.2	36.2	28.0	1.3	3.94	2.14	143.0	4.01
141	66.9	33.8	33.1	1.0	6.27	2.64	142.0	4.59
142	66.4	35.5	30.9	1.1	3.43	2.55	143.1	4.02
143	66.8	36.4	30.4	1.2	4.90	2.10	140.8	4.56

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
129	2.60	99
130	2.60	99
131	2.54	100
132	2.57	99
133	2.72	98
134	2.55	96
135	2.64	96
136	2.61	96
137	2.52	100
138	2.60	98
139	2.65	96
141	2.63	102
142	2.64	95
143	2.54	100

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
FEMALES
GROUP 4 ( )

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
145	0.41	2.21	2	1.73	0.65	37	5.98	6.7
146	0.26	2.15	3	2.25	0.53	42	6.02	8.2
147	0.49	2.27	3	2.61	0.46	41	5.37	8.5
148	0.57	1.80	2	2.38	0.56	34	5.79	7.1
149	0.44	1.74	3	2.20	0.73	36	6.92	9.8
150	0.61	2.67	5	2.70	0.47	42	5.40	10.6
151	0.56	2.34	4	2.80	0.87	43	6.00	9.9
152	0.55	2.21	4	2.08	0.44	45	5.98	10.6
153	0.49	2.67	2	2.04	0.56	43	5.78	8.9
154	0.47	2.18	2	2.55	0.56	37	6.69	5.5
155	0.54	2.64	2	2.14	0.42	43	6.21	10.9
157	0.49	2.99	3	2.83	0.45	44	5.68	9.2
158	0.68	1.97	3	2.05	0.48	40	5.39	8.4
159	0.74	2.31	3	2.09	0.62	46	6.74	11.3

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
145	67.8	35.0	32.8	1.1	3.53	2.18	143.7	3.82
146	67.5	33.0	34.5	1.0	5.95	2.34	143.0	4.06
147	64.8	30.1	34.7	0.9	4.82	2.30	141.9	4.45
148	61.7	32.0	29.7	1.1	4.31	2.46	140.4	3.91
149	67.7	34.5	33.2	1.0	3.45	2.60	142.7	4.47
150	67.2	34.1	33.1	1.0	3.68	2.61	142.0	4.31
151	65.3	34.7	30.6	1.1	3.07	2.90	141.6	4.28
152	70.3	37.6	32.7	1.1	3.66	2.29	143.4	3.82
153	70.7	38.3	32.4	1.2	3.72	2.25	141.9	4.30
154	60.9	32.9	28.0	1.2	5.74	2.33	141.9	4.24
155	65.0	32.4	32.6	1.0	4.54	2.47	143.2	4.46
157	67.6	32.7	34.9	0.9	4.17	2.28	140.6	4.37
158	67.0	33.6	33.4	1.0	5.22	2.50	141.5	3.93
159	63.3	32.8	30.5	1.1	4.36	2.30	140.8	4.30

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
145	2.57	100
146	2.63	103
147	2.52	99
148	2.58	98
149	2.64	95
150	2.63	98
151	2.66	98
152	2.64	97
153	2.60	101
154	2.57	99
155	2.55	102
157	2.58	100
158	2.68	100
159	2.50	99

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
FEMALES
GROUP 5 (PFHS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
161	0.52	1.77	3	1.93	1.00	38	6.34	7.7
162	0.50	3.54	3	2.16	0.52	40	5.01	7.2
163	0.78	2.18	2	1.64	0.48	38	4.93	9.6
164	0.53	1.61	3	1.80	0.32	35	6.21	7.9
165	0.57	2.01	3	2.23	0.55	35	5.64	7.8
166	0.49	3.77	2	1.76	0.45	37	5.33	7.6
167	0.57	2.27	3	1.46	0.49	39	6.02	9.6
168	0.62	2.86	2	1.94	0.55	45	5.96	9.1
169	0.65	2.49	2	1.59	0.59	44	5.77	8.5
170	0.59	1.75	2	2.06	0.44	40	5.92	8.2
171	0.60	1.61	2	2.16	0.44	42	7.44	7.8
173	0.40	2.79	2	1.32	0.38	44	6.18	8.6
174	0.62	2.88	2	1.66	0.33	44	6.23	9.2
175	0.53	2.73	3	1.68	0.53	42	7.30	9.9

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
161	74.6	35.6	39.0	0.9	3.89	2.16	141.3	3.90
162	66.1	32.4	33.7	1.0	6.82	2.28	141.8	3.86
163	71.1	35.0	36.1	1.0	4.63	2.42	141.5	3.90
164	66.5	34.7	31.8	1.1	3.95	2.32	142.2	4.06
165	63.9	33.3	30.6	1.1	3.02	2.81	141.9	4.19
166	60.5	31.3	29.2	1.1	4.31	2.79	143.1	4.49
167	63.1	33.8	29.3	1.2	3.49	2.64	141.9	3.89
168	66.2	33.9	32.3	1.0	4.11	2.56	142.3	4.34
169	63.2	32.2	31.0	1.0	5.07	2.39	140.8	4.14
170	62.4	33.2	29.2	1.1	3.03	2.21	142.7	3.70
171	70.0	35.8	34.2	1.0	3.41	2.35	142.8	3.91
173	64.5	33.8	30.7	1.1	2.49	2.47	141.0	4.53
174	60.1	31.3	28.8	1.1	5.06	2.36	141.1	4.47
175	63.5	35.4	28.1	1.3	3.54	2.22	141.0	3.79

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
161	2.70	104
162	2.57	101
163	2.62	98
164	2.53	102
165	2.61	99
166	2.54	99
167	2.53	103
168	2.55	101
169	2.55	104
170	2.52	105
171	2.64	98
173	2.52	104
174	2.50	102
175	2.51	103

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS
FEMALES
GROUP 6 (PFOS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
177	0.56	2.04	2	2.56	0.60	41	5.31	11.3
178	0.42	2.09	2	1.46	0.30	35	5.90	8.6
179	0.72	2.36	3	2.29	0.38	38	4.83	7.9
180	0.42	2.48	4	2.14	0.52	47	5.02	12.6
181	0.38	2.45	3	1.71	0.58	36	5.85	9.1
182	0.63	1.85	3	2.48	0.82	41	6.81	11.1
183	0.78	2.32	4	2.19	0.63	43	4.80	9.8
184	0.48	1.52	3	1.97	0.63	49	5.38	11.6
185	0.51	2.59	3	1.96	0.58	44	5.12	9.3
186	0.67	2.95	3	2.00	0.38	39	5.93	9.8
187	0.45	2.59	2	1.46	0.33	41	6.39	8.2
189	0.57	2.39	2	2.47	0.65	42	7.96	10.3
190	0.61	2.77	2	2.06	0.77	37	7.71	8.2
191	1.67	2.01	3	1.83	0.39	45	6.64	14.4

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
177	65.0	35.1	29.9	1.2	2.84	2.55	143.7	4.03
178	66.6	35.7	30.9	1.2	3.47	2.15	143.4	3.80
179	71.5	33.3	38.2	0.9	3.85	2.47	143.3	3.77
180	65.3	32.6	32.7	1.0	3.07	2.69	142.2	4.14
181	67.5	35.9	31.6	1.1	3.12	2.92	142.9	4.09
182	67.5	34.7	32.8	1.1	4.80	2.62	142.2	4.03
183	70.6	37.6	33.0	1.1	5.14	2.64	142.0	3.82
184	68.8	35.8	33.0	1.1	4.60	3.01	143.4	3.77
185	68.8	35.3	33.5	1.1	4.12	2.77	141.8	4.87
186	63.9	34.0	29.9	1.1	3.71	2.74	144.3	4.05
187	63.1	33.8	29.3	1.2	7.14	2.37	141.9	3.84
189	61.2	32.2	29.0	1.1	4.32	2.57	142.5	4.41
190	64.5	35.0	29.5	1.2	5.50	2.36	141.7	4.27
191	70.3	38.1	32.2	1.2	4.50	2.37	140.0	3.95

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
177	2.58	101
178	2.54	102
179	2.59	99
180	2.56	99
181	2.59	102
182	2.73	103
183	2.72	99
184	2.62	104
185	2.63	99
186	2.49	103
187	2.57	104
189	2.59	102
190	2.53	102
191	2.63	99

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
9	0.82	2.50	3	2.35	0.49	43	5.79	7.2
10	1.07	2.46	3	2.11	0.46	35	5.21	7.9
11	0.70	3.43	3	1.39	0.63	28	5.95	5.3

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
9	57.6	28.4	29.2	1.0	4.77	2.87	144.9	4.53
10	54.9	28.4	26.5	1.1	8.85	2.76	144.9	4.01
11	55.1	30.1	25.0	1.2	6.16	2.80	143.0	4.85

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
9	2.52	103
10	2.44	102
11	2.48	103

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
25	0.71	2.42	3	2.42	0.67	36	7.39	6.8
26	0.58	3.16	3	1.07	0.39	33	4.33	7.4
27	0.56	2.52	2	1.53	0.77	32	6.96	7.7

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
25	52.0	28.6	23.4	1.2	7.04	2.94	142.1	4.59
26	50.3	27.7	22.6	1.2	7.89	2.76	145.9	4.26
27	52.2	28.0	24.2	1.2	5.86	2.63	142.3	4.69

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
25	2.50	100
26	2.39	105
27	2.44	102

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
41	0.61	2.89	3	1.61	1.23	31	7.79	6.2
42	0.55	2.95	3	1.57	0.89	34	6.81	7.5
43	0.78	2.89	2	1.54	0.54	33	5.94	7.1

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
41	57.5	29.7	27.8	1.1	7.13	2.98	142.6	4.97
42	56.8	29.2	27.6	1.1	4.72	2.73	142.2	5.07
43	58.6	29.6	29.0	1.0	5.60	2.52	141.1	4.82

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
41	2.51	99
42	2.46	102
43	2.47	99

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 4 ( )

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
57	0.87	2.49	3	2.30	0.82	40	8.32	6.7
58	0.66	3.54	3	2.03	0.62	37	8.45	7.4
59	1.01	2.56	2	1.45	0.67	40	8.23	6.4

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
57	52.3	27.9	24.4	1.1	6.34	2.73	140.3	4.35
58	57.3	29.1	28.2	1.0	6.70	2.68	141.2	4.64
59	51.3	26.5	24.8	1.1	4.78	2.52	141.7	4.25

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
57	2.57	99
58	2.56	101
59	2.37	101

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 5 (PFHS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
73	0.71	2.82	2	1.29	0.58	39	7.25	6.6
74	0.96	2.49	2	1.63	0.62	42	6.96	7.6
75	0.75	1.99	2	1.21	0.75	35	7.21	6.0

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
73	53.9	28.4	25.5	1.1	5.85	2.67	142.1	4.71
74	55.1	28.2	26.9	1.0	6.89	2.43	143.4	4.57
75	55.1	30.0	25.1	1.2	7.43	2.42	141.7	4.41

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
73	2.44	101
74	2.49	104
75	2.42	100

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
MALES
GROUP 6 (PFOS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
89	0.83	2.48	2	1.22	0.51	34	7.21	7.3
90	0.61	1.63	3	1.48	0.40	34	6.29	6.7
91	0.49	1.66	3	1.12	0.60	49	5.17	8.1

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
89	56.3	30.0	26.3	1.1	6.36	2.52	142.8	4.52
90	55.9	29.0	26.9	1.1	4.22	2.67	142.7	4.82
91	57.3	30.1	27.2	1.1	6.26	2.75	142.8	4.35

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
89	2.53	101
90	2.65	102
91	2.53	105

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
105	0.52	2.50	3	1.95	0.56	37	6.72	6.7
106	0.43	1.96	3	2.59	0.97	38	9.25	6.2
107	0.46	3.12	2	1.93	0.55	41	6.06	7.6

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
105	65.2	32.4	32.8	1.0	3.43	2.45	143.3	3.98
106	65.3	34.7	30.6	1.1	3.21	2.39	142.5	4.14
107	60.4	29.4	31.0	0.9	3.26	2.56	141.4	4.12

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
105	2.60	98
106	2.79	99
107	2.51	99

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
121	0.52	2.44	2	2.14	0.43	40	7.26	6.3
122	1.02	3.36	3	2.20	0.40	41	6.31	8.9
123	0.36	2.02	2	1.42	0.46	38	5.98	6.7

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
121	58.1	29.6	28.5	1.0	4.38	2.64	142.4	3.95
122	61.3	34.9	26.4	1.3	4.07	2.89	144.2	4.16
123	65.6	33.6	32.0	1.1	2.34	2.18	141.7	3.77

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
121	2.54	98
122	2.65	100
123	2.59	99

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
137	0.58	2.27	2	1.27	0.39	37	6.71	7.1
138	0.51	2.35	2	1.97	0.87	40	7.44	9.3
139	0.37	1.69	2	1.97	0.57	47	7.77	8.1

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
137	60.7	29.5	31.2	0.9	5.56	2.27	143.1	3.76
138	62.9	32.5	30.4	1.1	4.02	2.38	141.4	4.54
139	59.7	32.9	26.8	1.2	3.49	2.30	141.5	3.86

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
137	2.46	98
138	2.61	103
139	2.63	96

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 4 ( )

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA. mmol/l
153	0.48	2.35	3	2.17	1.03	43	7.47	9.5
154	0.63	2.32	2	2.72	0.53	39	8.41	8.9
155	0.60	2.93	3	2.34	0.63	53	6.34	11.0

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
153	67.8	35.7	32.1	1.1	3.09	2.70	142.7	3.90
154	61.8	32.4	29.4	1.1	4.81	2.23	139.7	4.61
155	66.1	33.4	32.7	1.0	3.65	2.71	141.4	4.50

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
153	2.69	100
154	2.64	98
155	2.70	97

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 5 (PFHS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
169	0.48	1.83	3	1.66	0.50	46	7.25	7.7
170	0.43	1.56	3	2.42	0.35	39	6.01	7.2
171	0.65	1.58	3	2.24	0.34	47	9.38	7.9

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
169	65.5	30.7	34.8	0.9	4.62	2.37	141.1	3.98
170	62.8	30.9	31.9	1.0	2.30	2.19	141.1	3.65
171	71.0	32.5	38.5	0.8	2.90	2.70	142.5	4.08

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
169	2.58	100
170	2.62	99
171	2.84	95

CLINICAL BIOCHEMISTRY
AFTER 2 WEEKS RECOVERY
FEMALES
GROUP 6 (PFOS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
185	0.37	2.22	2	2.04	0.40	43	8.03	8.2
186	0.51	2.15	3	2.37	0.25	41	7.67	9.0
187	0.48	1.89	2	1.64	0.29	42	7.37	6.7

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
185	66.6	33.9	32.7	1.0	3.66	2.40	141.9	3.97
186	57.4	31.6	25.8	1.2	3.25	2.21	143.4	4.27
187	57.9	32.0	25.9	1.2	6.04	2.27	142.2	4.08

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
185	2.65	99
186	2.56	103
187	2.69	99

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
13	0.78	2.88	4	2.07	1.17	37	8.42	6.1
14	0.54	2.39	3	2.01	0.39	35	7.63	6.1
15	0.44	2.69	3	1.73	0.71	37	7.97	6.7

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
13	62.1	29.3	32.8	0.9	4.61	2.91	140.8	5.15
14	62.2	28.2	34.0	0.8	4.79	3.17	142.5	5.56
15	62.2	28.4	33.8	0.8	3.58	2.99	141.6	5.28

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
13	2.56	104
14	2.60	101
15	2.58	102

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
29	0.70	2.66	2	1.39	0.57	29	5.87	6.5
30	0.61	2.49	2	1.22	0.55	33	8.32	6.3
31	0.74	2.17	3	1.14	0.61	36	8.16	6.2

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
29	57.8	26.7	31.1	0.9	6.15	2.44	143.4	4.53
30	54.2	27.5	26.7	1.0	8.13	2.51	141.4	4.50
31	55.6	27.7	27.9	1.0	4.31	2.96	143.9	4.75

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
29	2.44	106
30	2.46	103
31	2.55	101

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
45	0.62	2.00	3	1.93	0.42	32	7.91	7.4
46	0.57	2.33	2	1.16	0.53	39	7.38	6.7
47	0.60	1.86	3	1.51	0.64	31	5.88	5.6

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
45	58.4	27.7	30.7	0.9	3.83	2.67	141.4	4.86
46	51.6	25.4	26.2	1.0	6.75	2.86	143.8	4.81
47	56.2	27.9	28.3	1.0	5.27	2.38	142.3	4.26

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
45	2.53	102
46	2.47	105
47	2.44	104

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 4 ( )

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
61	0.67	2.96	3	1.37	0.55	39	5.58	6.9
62	0.38	2.16	2	2.05	0.59	37	6.68	8.2
63	0.69	2.05	3	1.56	0.55	39	6.11	7.3

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
61	59.5	29.0	30.5	1.0	4.68	2.46	141.5	4.61
62	54.9	27.7	27.2	1.0	4.66	2.64	141.8	4.62
63	56.6	26.5	30.1	0.9	6.94	2.28	142.7	4.41

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
61	2.49	103
62	2.45	104
63	2.44	105

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 5 (PFHS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
77	0.60	2.61	3	1.22	0.57	47	5.95	8.1
78	0.94	2.21	2	1.34	0.26	47	4.77	10.4
79	0.71	2.38	2	1.16	0.24	36	6.00	6.5

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
77	57.9	27.0	30.9	0.9	5.79	2.55	143.5	4.40
78	58.1	28.0	30.1	0.9	4.17	2.55	142.9	4.26
79	56.0	27.0	29.0	0.9	8.04	2.86	144.9	5.04

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
77	2.48	104
78	2.49	103
79	2.51	103

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
MALES
GROUP 6 (PFOS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
93	0.56	1.99	2	0.92	0.35	29	6.01	5.8
94	0.77	1.73	2	1.47	0.58	31	7.23	5.6
95	0.58	1.89	2	1.62	0.43	36	6.85	6.5

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
93	51.7	27.0	24.7	1.1	4.89	2.58	142.8	4.60
94	55.0	27.3	27.7	1.0	4.78	2.40	142.7	4.78
95	56.7	28.3	28.4	1.0	4.52	2.79	142.5	4.58

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
93	2.43	105
94	2.52	107
95	2.49	109

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
109	0.41	2.28	3	2.25	0.60	45	6.19	7.7
110	0.45	2.54	2	2.31	0.78	40	8.58	5.9
111	0.28	1.92	2	2.94	0.52	39	6.70	9.0

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
109	61.4	30.1	31.3	1.0	3.41	2.46	144.0	3.84
110	69.4	33.2	36.2	0.9	2.49	2.14	142.5	4.01
111	63.8	30.5	33.3	0.9	2.96	2.39	140.5	4.50

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
109	2.47	103
110	2.55	101
111	2.55	96

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
125	0.39	2.66	2	2.68	1.00	39	6.83	6.7
126	0.34	2.26	2	2.01	0.47	40	6.54	6.8
127	---	2.01	3	2.55	0.76	48	5.91	9.0

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
125	67.0	32.2	34.8	0.9	1.73	2.26	141.4	4.25
126	62.2	30.3	31.9	0.9	3.18	2.35	142.2	4.36
127	63.6	32.4	31.2	1.0	4.19	2.11	141.3	3.82

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
125	2.64	104
126	2.49	98
127	2.46	102

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
141	0.43	1.74	2	2.18	0.43	40	6.64	8.3
142	0.36	1.54	3	2.39	0.50	41	6.73	6.9
143	0.59	2.40	3	2.32	0.49	45	7.32	8.8

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
141	65.5	29.5	36.0	0.8	3.86	2.19	138.7	5.43
142	67.8	34.7	33.1	1.0	2.08	1.95	141.6	3.66
143	69.9	35.9	34.0	1.1	3.40	1.79	141.7	4.34

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
141	2.47	96
142	2.60	103
143	2.59	102

BACK TO MAIN

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 4 ( )

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
157	0.43	2.75	2	2.99	0.41	43	5.89	8.2
158	0.98	2.30	2	2.52	0.40	40	8.08	6.9
159	0.47	2.31	2	2.02	0.72	48	5.05	9.9

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
157	64.8	30.3	34.5	0.9	2.48	2.20	141.0	4.51
158	68.9	32.0	36.9	0.9	3.91	1.93	142.1	3.67
159	62.2	29.4	32.8	0.9	2.40	2.52	140.9	4.59

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
157	2.60	100
158	2.57	96
159	2.53	101

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 5 (PFHS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
173	0.33	2.27	2	1.68	0.40	38	6.77	6.8
174	0.64	3.09	2	2.12	0.34	39	6.50	6.9
175	0.45	2.21	2	2.37	0.46	39	7.31	7.3

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
173	68.5	34.9	33.6	1.0	1.78	2.15	139.9	4.17
174	69.4	33.5	35.9	0.9	3.46	2.08	140.5	4.25
175	70.2	34.2	36.0	1.0	2.85	2.24	142.6	3.65

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
173	2.59	104
174	2.59	99
175	2.61	102

CLINICAL BIOCHEMISTRY
AFTER 4 WEEKS RECOVERY
FEMALES
GROUP 6 (PFOS)

ANIMAL NUMBER	ALAT(GPT) ukat/l	ASAT(GOT) ukat/l	BILI T. umol/l	CHOLEST.T. mmol/l	TRIGL. mmol/l	CREATININE umol/l	GLUCOSE mmol/l	UREA mmol/l
189	0.52	1.96	2	2.38	0.39	39	6.77	9.4
190	0.49	1.94	2	1.99	0.74	38	8.87	7.9
191	0.50	1.86	3	2.01	0.37	39	7.31	14.9

ANIMAL NUMBER	PROTEIN T. g/l	ALBUMIN g/l	GLOBULIN g/l	A/G RATIO	ALP ukat/l	INORG PHOS mmol/l	SODIUM mmol/l	POTASSIUM mmol/l
189	59.5	30.6	28.9	1.1	3.56	2.56	142.7	4.13
190	66.2	33.2	33.0	1.0	3.19	2.18	141.0	4.36
191	70.1	34.6	35.5	1.0	3.40	2.07	139.5	4.00

ANIMAL NUMBER	CALCIUM mmol/l	CHLORIDE mmol/l
189	2.63	100
190	2.61	108
191	2.67	100

MACROSCOPIC FINDINGS
MALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL 1 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 2 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 3 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 4 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 5 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 6 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 7 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 8 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 9 (SCHEDULED NECROPSY, 18-NOV-98)

SKIN..... CHEST REGION: ALOPECIA.

ANIMAL 10 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

ANIMAL 11 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

BACK TO MAIN

MACROSCOPIC FINDINGS
MALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL 13 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

ANIMAL 14 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

ANIMAL 15 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
MALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL 17 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 18 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 19 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 20 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 21 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 22 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 23 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 24 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 25 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

ANIMAL 26 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

ANIMAL 27 (SCHEDULED NECROPSY, 18-NOV-98)

TESTES..... REDUCED IN SIZE, FLACCID.

MACROSCOPIC FINDINGS
MALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL 29 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

ANIMAL 30 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

ANIMAL 31 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
MALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL 33 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 34 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 35 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 36 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 37 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 38 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 39 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 40 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 41 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

ANIMAL 42 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

ANIMAL 43 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
MALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL 45 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

ANIMAL 46 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

ANIMAL 47 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
MALES
GROUP 4 ( )

ANIMAL 49 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 50 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 51 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 52 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 53 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 54 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 55 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 56 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 57 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

ANIMAL 58 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

ANIMAL 59 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
MALES
GROUP 4 ( )

ANIMAL 61 (SCHEDULED NECROPSY, 02-DEC-98)

EYES..... RIGHT SIDE, LENS: REDUCED IN SIZE.

ANIMAL 62 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

ANIMAL 63 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

BACK TO MAIN

MACROSCOPIC FINDINGS
MALES
GROUP 5 (PFHS)

ANIMAL 65 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 66 (SCHEDULED NECROPSY, 03-NOV-98)

LUNGS.....	HEMORRHAGE.
STOMACH.....	GLANDULAR MUCOSA: HEMORRHAGE.
TESTES.....	REDUCED IN SIZE.
EPIDIDYMIDES.....	REDUCED IN SIZE.

ANIMAL 67 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 68 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 69 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 70 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 71 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 72 (SCHEDULED NECROPSY, 04-NOV-98)

LIVER.....	ENLARGED.

ANIMAL 73 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

ANIMAL 74 (SCHEDULED NECROPSY, 18-NOV-98)

TESTES.....	REDUCED IN SIZE.

MACROSCOPIC FINDINGS
MALES
GROUP 5 (PFHS)

ANIMAL 75 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

ANIMAL 77 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

ANIMAL 78 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

ANIMAL 79 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
MALES
GROUP 6 (PFOS)

ANIMAL 81 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 82 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 83 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 84 (SCHEDULED NECROPSY, 03-NOV-98)

NO FINDINGS NOTED

ANIMAL 85 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 86 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 87 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 88 (SCHEDULED NECROPSY, 04-NOV-98)

NO FINDINGS NOTED

ANIMAL 89 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

ANIMAL 90 (SCHEDULED NECROPSY, 18-NOV-98)

LIVER..... ACCENTUATED LOBULAR PATTERN.

ANIMAL 91 (SCHEDULED NECROPSY, 18-NOV-98)

NO FINDINGS NOTED

BACK TO MAIN

MACROSCOPIC FINDINGS
MALES
GROUP 6 (PFOS)

ANIMAL 93 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

ANIMAL 94 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

ANIMAL 95 (SCHEDULED NECROPSY, 02-DEC-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
FEMALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL 97 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 98 (SCHEDULED NECROPSY, 05-NOV-98)

OVARIES..... LEFT SIDE: WATERY CYST.

ANIMAL 99 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 100 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 101 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 102 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 103 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 104 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 105 (SCHEDULED NECROPSY, 20-NOV-98)

SKIN..... ABDOMINAL REGION: SCAB FORMATION.

ANIMAL 106 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

ANIMAL 107 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
FEMALES
GROUP 1 (VEHICLE CONTROL)

ANIMAL 109 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 110 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 111 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
FEMALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL 113 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 114 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 115 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 116 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 117 (SCHEDULED NECROPSY, 06-NOV-98)

KIDNEYS..... RIGHT SIDE: PELVIC DILATION.

ANIMAL 118 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 119 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 120 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 121 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

ANIMAL 122 (SCHEDULED NECROPSY, 20-NOV-98)

SKIN..... ALOPECIA.

ANIMAL 123 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
FEMALES
GROUP 2 (TELOMER ALCOHOL)

ANIMAL 125 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 126 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 127 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

BACK TO MAIN

MACROSCOPIC FINDINGS
FEMALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL 129 (OTHER, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 130 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 131 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 132 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 133 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 134 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 135 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 136 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 137 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

ANIMAL 138 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

ANIMAL 139 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
FEMALES
GROUP 3 (TELOMER ACRYLATE)

ANIMAL 141 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 142 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 143 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
FEMALES
GROUP 4 ( )

ANIMAL 145 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 146 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 147 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 148 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 149 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 150 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 151 (SCHEDULED NECROPSY, 06-NOV-98)

UTERUS..... LEFT SIDE: CYST(S).

ANIMAL 152 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 153 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

ANIMAL 154 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

ANIMAL 155 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
FEMALES
GROUP 4 ( )

ANIMAL 157 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 158 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 159 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
FEMALES
GROUP 5 (PFHS)

ANIMAL 161 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 162 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 163 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 164 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 165 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 166 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 167 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 168 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 169 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

ANIMAL 170 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

ANIMAL 171 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
FEMALES
GROUP 5 (PFHS)

ANIMAL 173 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 174 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 175 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

BACK TO MAIN

MACROSCOPIC FINDINGS
FEMALES
GROUP 6 (PFOS)

ANIMAL 177 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 178 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 179 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 180 (SCHEDULED NECROPSY, 05-NOV-98)

NO FINDINGS NOTED

ANIMAL 181 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 182 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 183 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 184 (SCHEDULED NECROPSY, 06-NOV-98)

NO FINDINGS NOTED

ANIMAL 185 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

ANIMAL 186 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

ANIMAL 187 (SCHEDULED NECROPSY, 20-NOV-98)

NO FINDINGS NOTED

MACROSCOPIC FINDINGS
FEMALES
GROUP 6 (PFOS)

ANIMAL 189 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 190 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

ANIMAL 191 (SCHEDULED NECROPSY, 04-DEC-98)

NO FINDINGS NOTED

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 4 WEEKS
MALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
1	284	1.95	1.081	8.04	1.84	0.038	0.434	2.71
2	332	2.04	1.390	10.76	2.59	0.050	0.565	2.79
3	348	2.03	1.108	10.40	2.41	0.037	0.563	3.32
4	270	2.00	1.070	8.54	1.75	0.040	0.482	2.53
5	303	1.92	1.141	10.49	2.54	0.053	0.488	2.91
6	327	2.01	1.088	10.38	2.06	0.044	0.733	2.82
7	351	2.14	1.123	11.92	2.63	0.051	0.766	3.03
8	301	1.99	1.059	9.84	2.59	0.047	0.605	2.82

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
17	322	1.99	1.149	10.16	2.35	0.049	0.465	3.05
18	295	2.01	1.300	11.71	2.57	0.050	0.551	3.27
19	312	2.00	0.935	9.71	2.35	0.053	0.541	3.19
20	299	1.96	1.033	9.50	2.24	0.055	0.540	3.21
21	315	1.84	1.129	10.48	2.40	0.050	0.565	2.63
22	348	2.05	1.309	10.71	2.57	0.049	0.712	3.18
23	313	1.87	0.972	10.15	2.12	0.072	0.560	2.87
24	312	1.95	1.241	10.42	2.09	0.049	0.590	2.96

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
33	313	1.97	1.127	9.89	2.08	0.053	0.637	2.52
34	288	1.93	0.943	8.88	2.16	0.046	0.498	2.77
35	293	1.95	1.131	8.71	2.08	0.038	0.476	2.77
36	293	1.94	0.972	8.90	2.14	0.059	0.530	2.74
37	303	2.02	1.321	9.66	2.50	0.058	0.603	2.84
38	324	1.98	1.079	10.40	2.37	0.056	0.592	2.97
39	319	1.99	1.077	9.48	2.19	0.046	0.656	2.69
40	304	1.82	1.122	8.95	2.12	0.056	0.547	2.94

GROUP 4 ( )

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
49	290	1.96	1.055	8.23	1.99	0.046	0.488	3.18
50	296	2.07	1.193	9.16	2.08	0.033	0.627	3.00
51	342	2.11	1.156	10.83	2.54	0.046	0.719	2.77
52	324	1.97	1.224	9.52	2.26	0.053	0.559	2.96
53	320	1.98	1.331	9.39	2.36	0.042	0.629	2.58
54	330	1.99	1.207	9.53	2.25	0.041	0.547	2.70
55	284	1.97	1.025	8.50	2.07	0.045	0.537	2.95
56	263	1.93	1.043	7.18	1.73	0.058	0.519	2.75

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 4 WEEKS
MALES

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
65	352	2.02	1.267	16.85	2.77	0.037	0.595	3.22
66	270	1.89	0.992	11.52	2.14	0.038	0.504	0.85
67	297	2.03	1.131	13.86	2.49	0.059	0.549	3.18
68	297	1.94	1.148	13.10	2.31	0.046	0.541	3.07
69	287	1.86	1.096	12.96	2.11	0.058	0.570	2.82
70	347	2.07	1.153	14.49	2.47	0.057	0.745	3.18
71	311	1.83	1.030	11.84	2.19	0.051	0.516	3.05
72	306	2.04	1.040	15.62	2.28	0.056	0.539	3.04

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
81	303	1.99	1.102	11.04	2.15	0.039	0.501	2.80
82	295	1.98	1.165	11.17	2.21	0.055	0.433	2.86
83	308	2.06	0.961	10.67	1.91	0.039	0.560	2.82
84	318	2.00	1.171	11.52	2.42	0.032	0.510	2.79
85	362	1.96	1.223	13.46	2.34	0.060	0.692	2.88
86	293	1.93	1.259	12.90	2.28	0.039	0.664	2.58
87	351	1.97	1.163	12.33	2.26	0.067	0.634	3.22
88	317	2.07	1.004	11.19	1.96	0.040	0.469	2.84

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 4 WEEKS
MALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
1	284	0.69	0.381	2.83	0.65	0.013	0.153	0.95
2	332	0.61	0.419	3.24	0.78	0.015	0.170	0.84
3	348	0.58	0.318	2.99	0.69	0.011	0.162	0.95
4	270	0.74	0.396	3.16	0.65	0.015	0.179	0.94
5	303	0.63	0.377	3.46	0.84	0.017	0.161	0.96
6	327	0.62	0.333	3.18	0.63	0.013	0.224	0.86
7	351	0.61	0.320	3.40	0.75	0.015	0.218	0.86
8	301	0.66	0.352	3.27	0.86	0.016	0.201	0.94

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
17	322	0.62	0.357	3.15	0.73	0.015	0.144	0.95
18	295	0.68	0.441	3.97	0.87	0.017	0.187	1.11
19	312	0.64	0.300	3.11	0.75	0.017	0.173	1.02
20	299	0.65	0.345	3.18	0.75	0.018	0.181	1.07
21	315	0.58	0.358	3.33	0.76	0.016	0.179	0.83
22	348	0.59	0.376	3.08	0.74	0.014	0.205	0.91
23	313	0.60	0.311	3.24	0.68	0.023	0.179	0.92
24	312	0.62	0.398	3.34	0.67	0.016	0.189	0.95

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
33	313	0.63	0.360	3.16	0.66	0.017	0.204	0.80
34	288	0.67	0.327	3.08	0.75	0.016	0.173	0.96
35	293	0.66	0.386	2.97	0.71	0.013	0.162	0.95
36	293	0.66	0.332	3.04	0.73	0.020	0.181	0.94
37	303	0.67	0.436	3.19	0.83	0.019	0.199	0.94
38	324	0.61	0.333	3.21	0.73	0.017	0.183	0.92
39	319	0.62	0.338	2.97	0.68	0.014	0.206	0.84
40	304	0.60	0.369	2.94	0.70	0.018	0.180	0.97

GROUP 4 ( )

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
49	290	0.67	0.364	2.84	0.69	0.016	0.168	1.10
50	296	0.70	0.403	3.09	0.70	0.011	0.212	1.01
51	342	0.62	0.338	3.17	0.74	0.013	0.210	0.81
52	324	0.61	0.378	2.94	0.70	0.016	0.173	0.91
53	320	0.62	0.416	2.93	0.74	0.013	0.197	0.81
54	330	0.60	0.366	2.89	0.68	0.012	0.166	0.82
55	284	0.69	0.361	2.99	0.73	0.016	0.189	1.04
56	263	0.73	0.397	2.73	0.66	0.022	0.197	1.05

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 4 WEEKS
MALES

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
65	352	0.57	0.360	4.79	0.79	0.011	0.169	0.91
66	270	0.70	0.367	4.27	0.79	0.014	0.187	0.31
67	297	0.68	0.381	4.67	0.84	0.020	0.185	1.07
68	297	0.65	0.387	4.41	0.78	0.015	0.182	1.03
69	287	0.65	0.382	4.52	0.73	0.020	0.199	0.98
70	347	0.60	0.332	4.18	0.71	0.016	0.215	0.92
71	311	0.59	0.331	3.81	0.70	0.016	0.166	0.98
72	306	0.67	0.340	5.10	0.74	0.018	0.176	0.99

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
81	303	0.66	0.364	3.64	0.71	0.013	0.165	0.92
82	295	0.67	0.395	3.79	0.75	0.019	0.147	0.97
83	308	0.67	0.312	3.46	0.62	0.013	0.182	0.91
84	318	0.63	0.368	3.62	0.76	0.010	0.160	0.88
85	362	0.54	0.338	3.72	0.65	0.017	0.191	0.80
86	293	0.66	0.430	4.40	0.78	0.013	0.227	0.88
87	351	0.56	0.331	3.51	0.64	0.019	0.181	0.92
88	317	0.65	0.317	3.53	0.62	0.013	0.148	0.90

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 4 WEEKS
FEMALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
97	201	1.93	0.861	6.95	1.44	0.060	0.424	0.089
98	194	1.92	0.799	6.34	1.39	0.075	0.345	0.142
99	204	1.89	0.750	6.13	1.35	0.052	0.398	0.128
100	217	1.96	0.869	6.82	1.56	0.057	0.483	0.119
101	241	1.91	0.917	7.19	1.71	0.046	0.458	0.130
102	229	1.89	0.901	6.61	1.49	0.065	0.366	0.163
103	183	1.70	0.855	5.79	1.36	0.062	0.426	0.100
104	242	1.85	0.867	7.13	1.71	0.061	0.481	0.122

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
113	204	1.91	0.890	6.96	1.47	0.055	0.470	0.129
114	246	2.03	0.883	8.13	1.85	0.056	0.479	0.130
115	215	1.92	0.785	7.39	1.75	0.078	0.501	0.123
116	218	2.08	0.827	7.59	1.44	0.062	0.378	0.121
117	194	1.82	0.749	6.97	1.68	0.073	0.433	0.172
118	200	1.89	0.829	6.78	1.59	0.054	0.435	0.144
119	201	1.93	0.751	6.35	1.48	0.067	0.446	0.104
120	213	1.88	0.786	7.29	1.75	0.069	0.457	0.142

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
129	204	---	---	---	---	---	---	---
130	182	1.84	0.744	5.70	1.42	0.052	0.298	0.127
131	196	1.86	0.736	6.48	1.61	0.053	0.300	0.162
132	205	1.88	0.847	6.23	1.59	0.060	0.479	0.138
133	181	1.77	0.770	6.19	1.36	0.054	0.454	0.125
134	215	1.92	0.799	6.84	1.57	0.063	0.494	0.127
135	227	1.85	0.917	7.07	1.62	0.077	0.487	0.146
136	193	1.79	0.714	6.09	1.41	0.060	0.409	0.118

GROUP 4 ( )

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
145	193	1.80	0.794	6.44	1.53	0.066	1.527	0.131
146	222	1.89	0.961	6.76	1.46	0.160	0.529	0.055
147	223	2.01	0.794	6.05	1.64	0.057	0.511	0.138
148	186	1.84	0.767	5.72	1.50	0.043	0.506	0.116
149	220	1.96	0.855	8.10	1.89	0.055	0.420	0.156
150	219	2.00	0.773	6.71	1.48	0.068	0.478	0.130
151	200	1.84	0.778	6.22	1.41	0.049	0.463	0.136
152	201	1.85	0.719	6.28	1.33	0.061	0.429	0.129

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 4 WEEKS
FEMALES

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
161	193	1.94	0.769	7.96	1.61	0.068	0.436	0.150
162	201	1.93	0.703	6.70	1.42	0.056	0.419	0.102
163	191	1.78	0.816	5.97	1.32	0.060	0.397	0.121
164	202	1.78	0.800	6.57	1.68	0.047	0.443	0.138
165	198	1.81	0.910	7.08	1.46	0.071	0.361	0.138
166	208	1.98	0.881	6.67	1.48	0.062	0.431	0.152
167	183	1.86	0.688	5.68	1.47	0.049	0.357	0.115
168	228	1.99	0.880	7.08	1.62	0.052	0.415	0.141

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
177	215	1.86	0.788	9.28	1.69	0.053	0.474	0.111
178	163	1.79	0.660	6.47	1.29	0.044	0.327	0.135
179	185	1.91	0.663	7.23	1.48	0.047	0.386	0.108
180	173	1.86	0.673	7.16	1.41	0.061	0.394	0.115
181	185	1.88	0.818	7.62	1.39	0.055	0.404	0.146
182	199	1.96	0.845	8.41	1.47	0.059	0.420	0.110
183	191	1.91	0.777	7.85	1.43	0.059	0.442	0.154
184	188	1.88	0.757	8.36	1.52	0.057	0.450	0.148

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 4 WEEKS
FEMALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
97	201	0.96	0.428	3.46	0.71	0.030	0.211	0.044
98	194	0.99	0.412	3.27	0.71	0.039	0.178	0.073
99	204	0.93	0.368	3.01	0.66	0.025	0.195	0.063
100	217	0.90	0.400	3.14	0.72	0.026	0.223	0.055
101	241	0.79	0.380	2.98	0.71	0.019	0.190	0.054
102	229	0.83	0.393	2.89	0.65	0.028	0.160	0.071
103	183	0.93	0.467	3.16	0.74	0.034	0.233	0.055
104	242	0.76	0.358	2.95	0.71	0.025	0.199	0.050

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
113	204	0.94	0.436	3.41	0.72	0.027	0.230	0.063
114	246	0.83	0.359	3.31	0.75	0.023	0.195	0.053
115	215	0.89	0.365	3.44	0.81	0.036	0.233	0.057
116	218	0.95	0.379	3.48	0.66	0.028	0.173	0.056
117	194	0.94	0.386	3.59	0.87	0.038	0.223	0.089
118	200	0.95	0.415	3.39	0.80	0.027	0.218	0.072
119	201	0.96	0.374	3.16	0.73	0.033	0.222	0.052
120	213	0.88	0.369	3.42	0.82	0.032	0.215	0.067

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
129	204	---	---	---	---	---	---	---
130	182	1.01	0.409	3.13	0.78	0.029	0.164	0.070
131	196	0.95	0.376	3.31	0.82	0.027	0.153	0.083
132	205	0.92	0.413	3.04	0.78	0.029	0.234	0.067
133	181	0.98	0.425	3.42	0.75	0.030	0.251	0.069
134	215	0.89	0.372	3.18	0.73	0.029	0.230	0.059
135	227	0.81	0.404	3.11	0.71	0.034	0.215	0.064
136	193	0.93	0.370	3.16	0.73	0.031	0.212	0.061

GROUP 4 ( )

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
145	193	0.93	0.411	3.34	0.79	0.034	0.791	0.068
146	222	0.85	0.433	3.04	0.66	0.072	0.238	0.025
147	223	0.90	0.356	2.71	0.73	0.026	0.229	0.062
148	186	0.99	0.412	3.07	0.80	0.023	0.272	0.062
149	220	0.89	0.389	3.68	0.86	0.025	0.191	0.071
150	219	0.91	0.353	3.06	0.68	0.031	0.218	0.059
151	200	0.92	0.389	3.11	0.70	0.025	0.232	0.068
152	201	0.92	0.358	3.12	0.66	0.030	0.213	0.064

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 4 WEEKS
FEMALES

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
161	193	1.01	0.398	4.13	0.83	0.035	0.226	0.078
162	201	0.96	0.350	3.33	0.70	0.028	0.208	0.051
163	191	0.93	0.427	3.13	0.69	0.031	0.208	0.063
164	202	0.88	0.396	3.25	0.83	0.023	0.219	0.068
165	198	0.92	0.460	3.57	0.74	0.036	0.182	0.070
166	208	0.95	0.424	3.21	0.71	0.030	0.207	0.073
167	183	1.01	0.376	3.10	0.80	0.027	0.195	0.063
168	228	0.87	0.386	3.10	0.71	0.023	0.182	0.062

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
177	215	0.86	0.367	4.32	0.79	0.025	0.220	0.052
178	163	1.10	0.405	3.97	0.79	0.027	0.201	0.083
179	185	1.03	0.358	3.91	0.80	0.025	0.209	0.058
180	173	1.07	0.389	4.14	0.82	0.035	0.228	0.066
181	185	1.02	0.442	4.12	0.75	0.030	0.218	0.079
182	199	0.99	0.425	4.23	0.74	0.030	0.211	0.055
183	191	1.00	0.407	4.11	0.75	0.031	0.231	0.081
184	188	1.00	0.403	4.45	0.81	0.030	0.239	0.079

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 2 WEEKS RECOVERY
MALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
9	344	2.03	1.185	8.98	2.02	0.039	0.440	2.88
10	277	1.81	0.960	7.42	1.74	0.037	0.358	2.55
11	338	2.01	1.128	8.32	2.35	0.050	0.526	3.01

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
25	328	1.93	1.007	8.62	2.04	0.041	0.578	2.67
26	295	1.96	1.068	7.54	2.11	0.046	0.571	2.62
27	320	2.05	1.112	8.65	2.09	0.031	0.555	1.10

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
41	379	2.01	1.113	12.10	2.75	0.047	0.504	3.16
42	319	2.04	1.284	8.88	2.15	0.036	0.578	3.19
43	334	1.80	1.119	8.71	2.33	0.047	0.547	2.91

GROUP 4 ( )

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
57	415	2.13	1.125	11.41	2.56	0.041	0.739	3.53
58	354	2.02	1.179	10.45	2.50	0.063	0.582	3.35
59	329	1.91	1.155	9.05	2.11	0.062	0.548	3.18

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
73	386	2.00	1.309	12.15	2.54	0.045	0.630	3.27
74	249	1.73	1.027	6.89	1.60	0.035	0.476	1.34
75	336	2.06	1.112	9.62	2.41	0.043	0.517	3.21

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 2 WEEKS RECOVERY
MALES

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
89	394	2.03	1.333	14.20	2.66	0.041	0.758	3.31
90	370	2.07	1.237	14.62	2.58	0.048	0.631	2.80
91	377	2.00	1.328	13.39	2.70	0.054	0.517	2.97

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 2 WEEKS RECOVERY
MALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
9	344	0.59	0.344	2.61	0.59	0.011	0.128	0.84
10	277	0.65	0.347	2.68	0.63	0.013	0.129	0.92
11	338	0.60	0.334	2.46	0.70	0.015	0.156	0.89

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
25	328	0.59	0.307	2.63	0.62	0.013	0.176	0.81
26	295	0.67	0.362	2.56	0.72	0.016	0.194	0.89
27	320	0.64	0.348	2.70	0.65	0.010	0.173	0.34

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
41	379	0.53	0.294	3.19	0.73	0.012	0.133	0.83
42	319	0.64	0.403	2.78	0.67	0.011	0.181	1.00
43	334	0.54	0.335	2.61	0.70	0.014	0.164	0.87

GROUP 4 ( )

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
57	415	0.51	0.271	2.75	0.62	0.010	0.178	0.85
58	354	0.57	0.333	2.95	0.71	0.018	0.164	0.95
59	329	0.58	0.351	2.75	0.64	0.019	0.167	0.97

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
73	386	0.52	0.339	3.15	0.66	0.012	0.163	0.85
74	249	0.69	0.412	2.77	0.64	0.014	0.191	0.54
75	336	0.61	0.331	2.86	0.72	0.013	0.154	0.95

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 2 WEEKS RECOVERY
MALES

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
89	394	0.52	0.338	3.60	0.68	0.010	0.192	0.84
90	370	0.56	0.334	3.95	0.70	0.013	0.171	0.76
91	377	0.53	0.352	3.55	0.72	0.014	0.137	0.79

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 2 WEEKS RECOVERY
FEMALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
105	217	1.98	0.867	6.95	1.51	0.052	0.449	0.150
106	272	2.05	0.960	9.23	1.71	0.056	0.439	0.574
107	227	1.85	0.868	6.90	1.39	0.057	0.372	0.132

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
121	200	1.85	0.812	6.72	1.60	0.074	0.367	0.125
122	203	1.85	0.915	6.01	1.31	0.057	0.370	0.135
123	231	1.98	0.848	7.72	1.62	0.057	0.536	0.131

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
137	217	1.88	0.873	7.40	1.70	0.080	0.523	0.120
138	189	1.91	0.767	5.66	1.41	0.047	0.382	0.120
139	200	1.94	0.853	6.06	1.44	0.067	0.344	0.138

GROUP 4 ( )

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
153	214	1.89	0.980	7.05	1.61	0.075	0.404	0.149
154	246	1.95	0.950	7.00	1.72	0.065	0.432	0.162
155	191	1.90	0.878	7.18	1.48	0.068	0.405	0.123

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
169	228	1.90	0.844	6.77	1.54	0.061	0.362	0.135
170	211	1.92	0.784	6.84	1.55	0.055	0.508	0.118
171	232	1.95	0.892	7.96	1.45	0.059	0.476	0.147

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 2 WEEKS RECOVERY
FEMALES

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
185	197	2.02	0.702	8.18	1.48	0.057	0.397	0.138
186	199	1.93	0.735	7.10	1.41	0.056	0.415	0.132
187	203	2.04	0.732	7.37	1.26	0.055	0.365	0.127

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 2 WEEKS RECOVERY
FEMALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
105	217	0.91	0.400	3.20	0.69	0.024	0.207	0.069
106	272	0.75	0.353	3.39	0.63	0.021	0.161	0.211
107	227	0.81	0.382	3.04	0.61	0.025	0.164	0.058

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
121	200	0.93	0.406	3.36	0.80	0.037	0.184	0.063
122	203	0.91	0.451	2.96	0.65	0.028	0.182	0.067
123	231	0.86	0.367	3.34	0.70	0.025	0.232	0.057

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
137	217	0.87	0.402	3.41	0.79	0.037	0.241	0.055
138	189	1.01	0.406	3.00	0.75	0.025	0.202	0.063
139	200	0.97	0.427	3.03	0.72	0.034	0.172	0.069

GROUP 4 ( )

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
153	214	0.88	0.458	3.29	0.75	0.035	0.189	0.070
154	246	0.79	0.386	2.85	0.70	0.026	0.176	0.066
155	191	0.99	0.460	3.76	0.77	0.036	0.212	0.064

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
169	228	0.83	0.370	2.97	0.68	0.027	0.159	0.059
170	211	0.91	0.372	3.24	0.74	0.026	0.241	0.056
171	232	0.84	0.384	3.43	0.62	0.025	0.205	0.063

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 2 WEEKS RECOVERY
FEMALES

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
185	197	1.02	0.356	4.15	0.75	0.029	0.202	0.070
186	199	0.97	0.369	3.57	0.71	0.028	0.209	0.066
187	203	1.00	0.361	3.63	0.62	0.027	0.180	0.063

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 4 WEEKS RECOVERY
MALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
13	415	1.97	1.284	12.26	2.69	0.038	0.576	2.86
14	360	1.83	1.206	9.57	2.38	0.041	0.611	2.73
15	392	2.12	1.099	10.47	2.24	0.058	0.656	3.01

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
29	330	2.01	1.195	9.41	2.35	0.048	0.456	2.97
30	396	2.08	1.199	10.27	2.48	0.059	0.544	2.92
31	362	2.08	1.228	9.66	2.44	0.042	0.620	3.68
32	---	---	---	---	---	---	---	---

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
45	380	2.07	1.282	11.08	2.55	0.050	0.656	3.06
46	380	2.07	1.237	9.77	2.48	0.056	0.534	3.11
47	375	2.12	1.132	10.05	2.50	0.057	0.582	3.17

GROUP 4 ( )

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
61	434	2.33	1.378	9.91	2.79	0.070	0.692	3.36
62	406	1.99	1.389	10.46	2.32	0.046	0.705	2.97
63	363	2.00	1.129	9.81	2.67	0.051	0.762	2.98

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
77	358	2.11	1.105	9.57	2.13	0.050	0.625	3.22
78	321	1.95	0.875	8.43	1.89	0.045	0.529	3.03
79	326	1.99	1.164	8.54	2.69	0.047	0.502	3.01

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 4 WEEKS RECOVERY
MALES

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
93	301	1.96	0.953	8.98	2.26	0.055	0.505	3.10
94	374	2.08	1.429	12.66	2.66	0.037	0.774	3.62
95	356	1.98	1.311	11.87	2.53	0.047	0.607	3.09

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 4 WEEKS RECOVERY
MALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
13	415	0.47	0.309	2.96	0.65	0.009	0.139	0.69
14	360	0.51	0.335	2.66	0.66	0.011	0.170	0.76
15	392	0.54	0.280	2.67	0.57	0.015	0.167	0.77

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
29	330	0.61	0.362	2.85	0.71	0.015	0.138	0.90
30	396	0.52	0.303	2.59	0.63	0.015	0.137	0.74
31	362	0.57	0.339	2.67	0.67	0.012	0.171	1.02
32	---	---	---	---	---	---	---	---

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
45	380	0.54	0.337	2.92	0.67	0.013	0.173	0.80
46	380	0.55	0.326	2.57	0.65	0.015	0.141	0.82
47	375	0.57	0.302	2.68	0.67	0.015	0.155	0.85

GROUP 4 ( )

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
61	434	0.54	0.318	2.28	0.64	0.016	0.159	0.77
62	406	0.49	0.342	2.58	0.57	0.011	0.174	0.73
63	363	0.55	0.311	2.70	0.74	0.014	0.210	0.82

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
77	358	0.59	0.309	2.67	0.59	0.014	0.175	0.90
78	321	0.61	0.273	2.62	0.59	0.014	0.165	0.94
79	326	0.61	0.357	2.62	0.83	0.014	0.154	0.92

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 4 WEEKS RECOVERY
MALES

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	TESTES
93	301	0.65	0.317	2.98	0.75	0.018	0.168	1.03
94	374	0.56	0.382	3.39	0.71	0.010	0.207	0.97
95	356	0.56	0.368	3.34	0.71	0.013	0.171	0.87

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 4 WEEKS RECOVERY
FEMALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
109	212	1.86	0.847	5.83	1.34	0.062	0.426	0.137
110	261	1.87	1.052	8.12	1.84	0.078	0.508	0.144
111	255	2.01	0.850	7.09	1.60	0.055	0.402	0.118

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
125	223	2.00	0.826	7.21	1.62	0.079	0.430	0.122
126	220	1.89	0.757	6.22	1.72	0.053	0.309	0.138
127	241	2.00	0.971	7.20	1.53	0.061	0.589	0.179
128	---	---	---	---	---	---	---	---

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
141	212	1.83	0.854	6.69	1.64	0.068	0.429	0.160
142	211	1.86	0.834	6.09	1.38	0.053	0.489	0.138
143	254	1.94	0.922	7.79	1.61	0.066	0.360	0.136

GROUP 4 ( )

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
157	219	2.02	0.900	6.04	1.46	0.061	0.595	0.125
158	211	1.94	0.836	6.82	1.62	0.061	0.391	0.167
159	275	1.94	1.018	9.04	1.95	0.062	0.525	0.204

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
173	219	1.85	0.866	6.99	1.75	0.064	0.377	0.123
174	241	1.97	0.922	6.88	1.58	0.068	0.329	0.128
175	219	1.81	0.793	6.60	1.52	0.063	0.358	0.207

BACK TO MAIN

ORGAN WEIGHTS (GRAM)
AFTER 4 WEEKS RECOVERY
FEMALES

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W.	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
189	201	1.78	0.854	7.72	1.55	0.069	0.485	0.139
190	220	1.92	0.799	7.61	1.80	0.049	0.431	0.144
191	202	1.93	0.823	7.15	1.68	0.055	0.366	0.141

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 4 WEEKS RECOVERY
FEMALES

GROUP 1 (VEHICLE CONTROL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
109	212	0.88	0.400	2.75	0.63	0.029	0.201	0.065
110	261	0.71	0.403	3.11	0.70	0.030	0.195	0.055
111	255	0.79	0.333	2.78	0.63	0.022	0.158	0.046

GROUP 2 (TELOMER ALCOHOL)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
125	223	0.90	0.370	3.23	0.73	0.035	0.193	0.055
126	220	0.86	0.344	2.83	0.78	0.024	0.140	0.063
127	241	0.83	0.403	2.99	0.64	0.025	0.244	0.074
128	---	---	---	---	---	---	---	---

GROUP 3 (TELOMER ACRYLATE)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
141	212	0.87	0.403	3.15	0.77	0.032	0.202	0.075
142	211	0.88	0.395	2.89	0.66	0.025	0.232	0.065
143	254	0.76	0.363	3.07	0.63	0.026	0.142	0.054

GROUP 4 ( )

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
157	219	0.92	0.411	2.76	0.67	0.028	0.272	0.057
158	211	0.92	0.396	3.23	0.77	0.029	0.185	0.079
159	275	0.70	0.370	3.29	0.71	0.023	0.191	0.074

GROUP 5 (PFHS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
173	219	0.85	0.395	3.19	0.80	0.029	0.172	0.056
174	241	0.82	0.383	2.86	0.65	0.028	0.137	0.053
175	219	0.83	0.362	3.02	0.69	0.029	0.163	0.095

BACK TO MAIN

ORGAN/BODY WEIGHT RATIOS (%)
AFTER 4 WEEKS RECOVERY
FEMALES

GROUP 6 (PFOS)

ANIMAL NUMBER	BODY W. (GRAM)	BRAIN	HEART	LIVER	KIDNEYS	ADRENALS	SPLEEN	OVARIES
189	201	0.88	0.425	3.84	0.77	0.034	0.241	0.069
190	220	0.87	0.363	3.46	0.82	0.022	0.196	0.065
191	202	0.96	0.407	3.54	0.83	0.027	0.181	0.070

NOTOX
Safety & Environmental Research B.V.

APPENDIX 1

ProPath GmbH

Pathology Report

Exploratory 28-Day Oral Toxicity Study with

Telomer Alcohol, Telomer Acrylate, , PFHS and PFOS (positive control)

by Daily Gavage in the Rat

followed by a 14/28-Day Recovery Period

NOTOX Project 242933

NOTOX Substances 83484, 83493, 83502, 84456 and 84141
3M Test no. T-7023, T-7024, T-7022, T-7032, T-6295

This report contains 146 pages

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BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Table of Contents

Table of contents 2

Authentication 3

Summary 4

Materials and methods 4

Results 4

Conclusions 4

Incidence table - macroscopic findings 4

Incidence table - selected microscopic findings with grades 4

Incidence table - microscopic findings 4

Individual animal microscopic findings 4

Animal data list 4

Individual animal data records 4

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Authentication

The undersigned hereby declares, that the histopathology data in this report were compiled by him, and that they reflect accurately the primary data records. This report, consisting of 146 pages, was created by the computer system of Propath GmbH.

JTW 21.04.99

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BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
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Summary

Pathomorphologic examination was performed on 168 Sprague Dawley rats (84 males, 84 females) which had been subjected to an exploratory 28-day oral (gavage) toxicity study with the test articles **Telomer alcohol/ Telomer acrylate/ / PFHS/ PFOS.**

The rats were assigned to six dose groups each containing fourteen males and fourteen females. Test articles were administered once daily by gavage at doses of 30 (telomer alcohol, telomer acrylate and), 10 (PFHS) and 3 mg/kg (PFOS) (dose groups 2, 3, 4, 5 and 6 respectively) for 28 days. The rats of the control group 1 received the vehicle, 1% aqueous carboxymethyl cellulose, alone. At the end of the treatment period eight animals of each sex from all groups were killed and subjected to complete necropsies (main study). Three males and three females from each dose group were subjected to necropsy following 14-day or 28-day treatment-free periods (recovery allocation 1 and 2).

All rats were necropsied. Histopathologic examination was performed on adrenal glands, kidneys, liver, lymph nodes - mandibular and mesenteric, ovaries, pancreas, spleen, testes, thymus and all organs or tissues with macroscopic findings.

All animals survived their allocated treatment periods.

Hepatocellular hypertrophy was present in group 2 (30 mg/kg/day telomer alcohol), group 5 (10 mg/kg/day PFHS) males and in both sexes of group 6 (3 mg/kg/day PFOS) at the end of the **main study**. In the pancreas a slight increase in the incidence of exocrine apoptosis/single cell necrosis was recorded in group 2 males. Following the **recovery periods**, the hepatocellular hypertrophy had undergone partial or complete resolution in group 2 and 5 males and in group 6 females. The incidence of pancreas apoptosis/single cell necrosis in group 2 males had also returned to the level of the vehicle control group.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ ../PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Materials and Methods

Study Design

Dose group	Dose mg/kg	Number of rats				Animal numbers					
		males		females		males			females		
		main	rec.1 /2	main	rec.1 /2	main	rec.1	rec.2	main	rec.1	rec.2
1 Vehicle control		8	3/3	8	3/3	1 - 8	9-11	13-15	97-104	105-107	109-111
2 Telomer alcohol	30	8	3/3	8	3/3	17-24	25-27	29-31	113-120	121-123	125-127
3 Telomer acrylate	30	8	3/3	8	3/3	33-40	41-43	45-47	129-136	137-139	141-143
4	30	8	3/3	8	3/3	49-56	57-59	61-63	145-152	153-155	157-159
5 PFHS	10	8	3/3	8	3/3	65-72	73-75	77-79	161-168	169-171	173-175
6 PFOS	3	8	3/3	8	3/3	81-88	89-91	93-95	177-184	185-187	189-191

Administration of the Test Article

The test article was administered daily by gavage for 28 days. The recovery group rats were allowed a 14-day (recovery 1) or 28-day (recovery 2) treatment free period. Rats of the control group 1 received the vehicle, 1% aqueous carboxymethyl cellulose, alone.

Necropsy and Histopathology

At the end of the assigned study periods, the rats were killed by exsanguination following anesthesia by ether vapour. Complete necropsies were performed on all rats. Representative tissue samples of the following organs were preserved in 4% phosphate buffered neutral formaldehyde solution (10% formalin).

Adrenal glands, aorta, bone - sternum and femur including joint; bone marrow - sternal, brain, clitoral glands, epididymides, esophagus, eyes with optic nerve and Harderian glands; heart, kidneys, lacrimal glands - exorbital, large intestine - cecum, colon and rectum; larynx, liver, lungs, lymph nodes - mandibular and mesenteric; female mammary gland area, nasopharynx, ovaries, pancreas, pituitary gland, preputial glands, prostate gland, salivary glands - mandibular and sublingual; sciatic nerve, seminal vesicles, skeletal muscle, skin, small intestine - duodenum, jejunum and ileum with Peyer's patches; spinal cord - cervical, midthoracic and lumbar; spleen, stomach, testes, thymus, thyroid glands with parathyroid glands, tongue, trachea, urinary bladder, uterus with uterine cervix, vagina and all organs or tissues with macroscopic abnormalities.

Materials and Methods

Following fixation, the following organs from all animals, were trimmed, processed and embedded in paraffin wax. Sections were cut at a thickness of 2-4 micrometers and stained with hematoxylin and eosin. Numbers of sections made are given in parentheses.

Adrenal glands (2), kidneys (2), liver (2), lymph nodes - mandibular (2) and mesenteric (1), ovaries (2), pancreas (1), spleen (1), testes (2), thymus (1) and all organs or tissues with macroscopic findings.

Initially sections of the above organs from all **main study** rats were examined by light microscopy. Following this examination, sections of **liver** from groups 1 (vehicle control), 2 (telomer alcohol), 5 (PFHS) and 6 (PFOS) **males** and groups 1 and 6 **females recovery allocations 1 and 2** were examined. Sections of **pancreas** from group 1 and 2 **males** of **recovery allocations 1 and 2** were also examined.

The sections were in February/March, 1999.

Data Compilation

The animal data and macroscopic findings were electronically transferred from the necropsy raw data files of NOTOX into the computer system of Propath GmbH where the microscopic findings were recorded by the undersigned pathologist using on-line input

Macroscopic findings are presented in summary in the table "Incidence of Macroscopic Findings" and in full descriptive terms in the "Individual Animal Data Records". Wherever possible, macroscopic findings were correlated with a microscopic finding.

Microscopic findings are listed for each animal along with severity grades in the table "Individual Microscopic Findings" and summarized in the tables "Incidence of All Microscopic Findings" and "Incidence Table - Selected Microscopic Findings with Grades". They are further given in full descriptive terms in the "Individual Animal Data Records". Histologic changes were described according to their distribution, severity, and morphologic character.

BACK TO MAIN

Results

Mortality

A female group 3 rat, no. 129, died at blood sampling on the day of scheduled sacrifice. All other rats survived their assigned study periods.

Macroscopic Findings

The few macroscopic findings recorded at **all sacrifices** were unremarkable and did not distinguish treated rats from the vehicle control group.

Microscopic Findings

Treatment related microscopic findings were noted in the liver and pancreas. At the end of the **main study**, midzonal/centrilobular hypertrophy was seen at a minimal or slight degree in six group 2 (telomer alcohol) males, minimal to moderate degrees in all group 5 (PFHS) males and all group 6 (PFOS) rats of both sexes. By the end of the 28-day recovery period (**recovery** 2)this finding had partially or completely resolved in group 2 and 5 males and in group 6 females, however remained in evidence in group 6 males.

In the pancreas a slight increase in the incidence of minimal or slight degrees of exocrine apoptosis/single cell necrosis was recorded in group 2 males at the end of the **main study**. The incidence of this finding returned to the level of the vehicle control group following the recovery periods.

The remainder of the microscopic findings recorded at **both necropsies**, were within the range of background pathology encountered in Sprague Dawley rats of this age and strain and occurred at similar incidences and severity in both control and treated rats.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Conclusions

Morphologic alterations following the administration of **Telomer alcohol/Telomer acrylate/ /PFHS/PFOS** by once daily gavage to Sprague Dawley rats for twenty eight days, were present in the **liver** of telomer alcohol, PFHS and PFOS treated rats and in the **pancreas** of telomer alcohol treated rats.

Hepatocellular hypertrophy was present in group 2 (30 mg/kg/day telomer alcohol), group 5 (10 mg/kg/day PFHS) males and in both sexes of group 6 (3 mg/kg/day PFOS) at the end of the **main study**. In the pancreas a slight increase in the incidence of exocrine apoptosis/single cell necrosis was recorded in group 2 males. Following the **recovery periods**, the hepatocellular hypertrophy had undergone partial or complete resolution in group 2 and 5 males and in group 6 females. The incidence of pancreas apoptosis/single cell necrosis in group 2 males had also returned to the level of the vehicle control group.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ ./PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Pròpath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Incidence Table - Macroscopic Findings

Main Study

SEX:	*MALE*						*FEMALE*					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	8	8	8	8	8	8	8	8	8	8	8	8
Lungs												
Hemorrhage	0	0	0	0	1	0	0	0	0	0	0	0
Stomach												
Hemorrhage	0	0	0	0	1	0	0	0	0	0	0	0
Liver												
Enlarged	0	0	0	0	1	0	0	0	0	0	0	0
Kidneys												
Pelvic dilation	0	0	0	0	0	0	0	1	0	0	0	0
Testes												
Reduced in size	0	0	0	0	1	0						
Epididymides												
Reduced in size	0	0	0	0	1	0						
Ovaries												
Watery cyst							1	0	0	0	0	0
Uterus												
Cyst(s)							0	0	0	1	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Incidence Table - Macroscopic Findings

Recovery Allocation 1

SEX:	*MALE*						*FEMALE*					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	3	3	3	3	3	3	3	3	3	3	3	3
Liver												
Accentuated lobular pattern	0	0	0	0	0	1	0	0	0	0	0	0
Testes												
Reduced in size	0	1	0	0	1	0						
Skin												
Alopecia												
general	0	0	0	0	0	0	0	1	0	0	0	0
chest region	1	0	0	0	0	0	0	0	0	0	0	0
Scab formation												
abdominal region	0	0	0	0	0	0	1	0	0	0	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Incidence Table - Macroscopic Findings

Recovery Allocation 2

SEX:	*MALE*						*FEMALE*					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	3	3	3	3	3	3	3	3	4	3	3	3
Eyes												
Reduced in size lens	0	0	0	1	0	0	0	0	0	0	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Incidence Table - Selected Microscopic Findings with Grades

Main Study

SEX:	*MALE*						*FEMALE*					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	8	8	8	8	8	8	8	8	8	8	8	8
Liver												
number examined	8	8	8	8	8	8	8	8	8	8	8	8
Midzonal/ centrilobular hypertrophy, diffuse												
(minimal)	0	5	0	0	0	0	0	0	0	0	0	1
(slight)	0	1	0	0	2	2	0	0	0	0	0	4
(moderate)	0	0	0	0	6	6	0	0	0	0	0	3
Total	**0**	**6**	**0**	**0**	**8**	**8**	**0**	**0**	**0**	**0**	**0**	**8**
Pancreas												
number examined	8	8	8	8	8	8	8	8	8	8	8	8
Apoptosis/single cell necrosis, exocrine												
(minimal)	1	4	2	0	2	1	2	0	0	0	1	0
(slight)	1	2	0	1	0	1	0	0	0	0	0	0
Total	**2**	**6**	**2**	**1**	**2**	**2**	**2**	**0**	**0**	**0**	**1**	**0**

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Incidence Table - Selected Microscopic Findings with Grades

Recovery Allocation 1

SEX:	*MALE*						*FEMALE*					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	3	3	3	3	3	3	3	3	3	3	3	3
Liver												
number examined	3	3			3	3	3					3
Midzonal/ centrilobular hypertrophy, diffuse												
(minimal)	0	1			1	0	0					1
(slight)	0	0			1	1	0					0
(moderate)	0	0			0	2	0					0
Total	0	1			2	3	0					1

Recovery Allocation 2

SEX:	*MALE*						*FEMALE*					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	3	3	3	3	3	3	3	3	3	3	3	3
Liver												
number examined	3	3			3	3	3					3
Midzonal/ centrilobular hypertrophy, diffuse												
(minimal)	0	1			0	1	0					1
(slight)	0	0			0	1	0					0
(moderate)	0	0			0	1	0					0
Total	0	1			0	3	0					1
Pancreas												
number examined	3	3										
Apoptosis/single cell necrosis, exocrine												
(minimal)	1	0										

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Incidence Table - Microscopic Findings

Main Study

SEX:	*MALE*						*FEMALE*					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	8	8	8	8	8	8	8	8	8	8	8	8
Lungs												
number examined					1							
Intra-alveolar blood, necropsy artefact					1							
Vascular mineralisation, focal					1							
Stomach												
number examined					1							
Liver												
number examined	8	8	8	8	8	8	8	8	8	8	8	8
Inflammatory cell foci	8	8	8	8	8	8	8	8	8	8	8	8
Single cell necrosis	6	6	6	3	6	6	7	6	5	3	5	4
Midzonal/ centrilobular hypertrophy, diffuse	0	6	0	0	8	8	0	0	0	0	0	8
Hepatocellular vacuolation	1	0	0	0	3	4	1	0	1	0	1	0
Hematopoietic cell foci	3	0	0	0	0	1	0	0	0	1	0	0
Coagulative necrosis, focal	0	0	0	0	1	0	0	0	0	0	0	0
Pancreas												
number examined	8	8	8	8	8	8	8	8	8	8	8	8
Apoptosis/single cell necrosis, exocrine	2	6	2	1	2	2	2	0	0	0	1	0
Exocrine atrophy, focal	0	1	1	0	0	0	0	0	1	0	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Incidence Table - Microscopic Findings

SEX:	MALE						FEMALE					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	8	8	8	8	8	8	8	8	8	8	8	8
Pancreas												
Inflammation, mixed granulocytic/ lymphocytic	0	0	0	0	1	0	0	0	0	0	0	0
Kidneys												
number examined	8	8	8	8	8	8	8	8	8	8	8	8
Tubular atrophy, cortical	3	5	5	3	4	6	4	1	2	1	0	5
Interstitial inflammation, lymphocytic	3	1	2	1	3	2	0	0	2	1	0	3
Hyaline cast(s)	1	1	0	2	0	2	0	0	0	0	0	0
Tubular mineralization	0	1	0	0	0	0	1	0	0	0	0	0
Pelvic inflammation, lymphoid	0	0	1	0	0	0	0	0	0	0	0	0
Pelvic dilation	0	0	0	0	0	0	0	1	0	0	0	0
Cystic tubules	0	0	0	0	1	1	0	0	0	1	1	0
Pelvic mineralization	0	1	0	0	0	0	1	0	0	0	0	0
Tubular epithelial hypertrophy, focal	0	0	0	0	0	0	0	0	0	0	1	0
Testes												
number examined	8	8	8	8	8	8						
Spermatidic giant cell(s)	1	0	0	0	0	1						
Seminiferous tubular atrophy	1	0	0	0	1	0						

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ -/PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Pròpath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Incidence Table - Microscopic Findings

SEX:	MALE						FEMALE					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	8	8	8	8	8	8	8	8	8	8	8	8
Epididymides												
number examined					1							
Atrophy					1							
Aspermia					1							
Ovaries												
number examined							8	8	8	8	8	8
Uterus												
number examined										1		
Cyst(s)										1		
Adrenal Glands												
number examined	8	8	8	8	8	8	8	8	8	8	8	8
Extracapsular nodule	0	0	0	1	1	0	0	1	1	0	1	1
Vacuolation, multifocal in z. fasiculata	0	0	0	0	0	2	0	0	0	0	0	0
Atrophy, cortical diffuse	0	0	0	0	0	1	0	0	0	0	0	0
Spleen												
number examined	8	8	8	8	8	8	8	8	8	8	8	8
Hemopoiesis, primarily erythropoiesis	8	8	8	8	8	8	7	8	8	5	8	5
Hemosiderin pigment	6	7	5	7	4	4	8	8	8	8	8	8
Thymus												
number examined	8	8	8	8	8	8	8	8	8	8	8	8
Lymphoid atrophy - involution	0	0	1	1	0	2	1	1	3	1	1	1

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Incidence Table - Microscopic Findings

SEX:	MALE						FEMALE					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	8	8	8	8	8	8	8	8	8	8	8	8
Thymus												
Lymphocytolysis, increased	0	0	1	1	0	0	0	1	1	1	1	0
Mesenteric Lymph Node												
number examined	8	8	8	8	8	8	8	8	8	8	8	8
Congestion/ erythrophagocytosis	0	1	0	1	0	0	0	0	0	0	0	0
Mandibular Lymph Node												
number examined	8	8	8	8	8	8	8	8	8	8	8	8
Plasmacytosis	5	6	3	2	4	2	0	3	2	1	1	2
Lymphoid hyperplasia	2	0	0	1	0	0	1	1	2	3	1	0
Congestion/ erythrophagocytosis	0	0	1	1	2	0	0	0	0	0	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Incidence Table - Microscopic Findings

Recovery Allocation 1

SEX:	*MALE*						*FEMALE*					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	3	3	3	3	3	3	3	3	3	3	3	3
Liver												
number examined	3	3			3	3	3					3
Inflammatory cell foci	3	3			3	3	3					3
Single cell necrosis	2	3			3	2	2					1
Midzonal/ centrilobular hypertrophy, diffuse	0	1			2	3	0					1
Hepatocellular vacuolation	1	0			0	3	1					0
Hematopoietic cell foci	0	1			0	0	0					0
Pancreas												
number examined	3	3										
Exocrine atrophy, focal	0	1										
Testes												
number examined		1			1							
Seminiferous tubular atrophy		1			1							
Skin												
number examined							1	1				
Inflammation, exudative							1	0				

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ ./PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Incidence Table - Microscopic Findings

Recovery Allocation 2

SEX:	*MALE*						*FEMALE*					
DOSE GROUP:	1	2	3	4	5	6	1	2	3	4	5	6
number of animals	3	3	3	3	3	3	3	3	3	3	3	3
Liver												
number examined	3	3			3	3	3					3
Inflammatory cell foci	3	3			3	3	3					3
Single cell necrosis	2	2			2	2	1					2
Midzonal/ centrilobular hypertrophy, diffuse	0	1			0	3	0					1
Hepatocellular vacuolation	1	0			1	1	0					0
Coagulative necrosis, focal	0	1			0	0	0					0
Pancreas												
number examined	3	3										
Apoptosis/single cell necrosis, exocrine	1	0										
Eyes												
number examined				1								
Periorbital inflammation due to blood sampling				1								

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Codes and symbols in table heading:

m Males

f Females

Codes and symbols in animal lines:

p Planned sacrifice (main study)

r Recovery 1 (planned sacrifice)

s Recovery 2 (planned sacrifice)

o Other

Grading system used in finding lines:

0 finding not present

1 minimal

2 slight

3 moderate

4 severe

5 very severe

x present

Only organs/groups with findings are listed in the table

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Pròpath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 1

	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m
necropsy status	p	p	p	p	p	p	p	p
Liver								
Inflammatory cell foci	2	2	2	2	1	1	2	2
Single cell necrosis	0	1	1	1	1	1	2	0
Hepatocellular vacuolation	0	0	0	0	0	0	1	0
Hematopoietic cell foci	1	0	1	0	0	0	1	0
Pancreas								
Apoptosis/single cell necrosis, exocrine	0	0	1	0	2	0	0	0
Kidneys								
Tubular atrophy, cortical	0	0	0	1	0	1	0	1
Interstitial inflammation, lymphocytic	0	0	0	0	1	1	0	1
Hyaline cast(s)	0	0	0	0	0	0	1	0
Testes								
Spermatidic giant cell(s)	0	1	0	0	0	0	0	0
Seminiferous tubular atrophy	0	1	0	0	0	0	0	0
Spleen								
Hemopoiesis, primarily erythropoiesis	2	2	2	1	1	1	2	1
Hemosiderin pigment	0	1	1	1	2	2	1	0
Mandibular Lymph Node								
Plasmacytosis	2	2	2	2	0	3	0	0
Lymphoid hyperplasia	0	2	2	0	0	0	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 1

	9 m	10 m	11 m	13 m	14 m	15 m
necropsy status	r	r	r	s	s	s
Liver						
Inflammatory cell foci	2	3	2	2	2	2
Single cell necrosis	0	2	1	1	1	0
Hepatocellular vacuolation	0	0	1	1	0	0
Pancreas						
Apoptosis/single cell necrosis, exocrine	0	0	0	0	0	1

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 2

	17 m	18 m	19 m	20 m	21 m	22 m	23 m	24 m
necropsy status	p	p	p	p	p	p	p	p
Liver								
Inflammatory cell foci	1	2	1	2	2	2	2	2
Single cell necrosis	1	0	0	1	1	1	1	1
Midzonal/centrilobular hypertrophy, diffuse	0	1	1	1	1	2	0	1
Pancreas								
Apoptosis/single cell necrosis, exocrine	2	1	0	1	0	2	1	1
Exocrine atrophy, focal	0	0	0	0	0	0	0	1
Kidneys								
Tubular atrophy, cortical	2	1	0	1	1	1	0	0
Interstitial inflammation, lymphocytic	0	0	0	0	1	0	0	0
Hyaline cast(s)	0	0	0	0	1	0	0	0
Tubular mineralization	0	1	0	0	0	0	0	0
Pelvic mineralization	0	1	0	0	0	0	0	0
Spleen								
Hemopoiesis, primarily erythropoiesis	1	1	1	1	1	2	1	2
Hemosiderin pigment	0	1	1	2	1	1	1	1
Mesenteric Lymph Node								
Congestion/erythrophagocytosis	0	0	1	0	0	0	0	0
Mandibular Lymph Node								
Plasmacytosis	2	3	2	0	2	0	2	2

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ ./PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 2

	25 m	26 m	27 m	29 m	30 m	31 m
necropsy status	r	r	r	s	s	s
Liver						
Inflammatory cell foci	2	3	3	2	2	2
Single cell necrosis	1	1	1	0	1	1
Midzonal/centrilobular hypertrophy, diffuse	0	1	0	1	0	0
Hematopoietic cell foci	1	0	0	0	0	0
Coagulative necrosis, focal	0	0	0	0	1	0
Pancreas						
Exocrine atrophy, focal	0	0	1	0	0	0
Testes						
Seminiferous tubular atrophy			4			

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 3

	33 m	34 m	35 m	36 m	37 m	38 m	39 m	40 m
necropsy status	p	p	p	p	p	p	p	p
Liver								
Inflammatory cell foci	2	1	1	2	3	2	2	2
Single cell necrosis	1	1	0	1	1	1	1	0
Pancreas								
Apoptosis/single cell necrosis, exocrine	1	0	0	0	0	0	1	0
Exocrine atrophy, focal	0	0	0	0	0	0	1	0
Kidneys								
Tubular atrophy, cortical	1	0	0	1	1	0	1	1
Interstitial inflammation, lymphocytic	0	1	0	1	0	0	0	0
Pelvic inflammation, lymphoid	0	0	0	0	0	0	1	0
Spleen								
Hemopoiesis, primarily erythropoiesis	2	1	1	1	2	2	2	1
Hemosiderin pigment	1	0	0	0	1	1	1	1
Thymus								
Lymphoid atrophy - involution	0	0	0	0	0	1	0	0
Lymphocytolysis, increased	0	0	0	0	0	0	0	2
Mandibular Lymph Node								
Plasmacytosis	0	2	0	0	2	2	0	0
Congestion/erythrophagocytosis	0	0	0	0	0	0	0	3

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 4

	49 m	50 m	51 m	52 m	53 m	54 m	55 m	56 m
necropsy status	p	p	p	p	p	p	p	p
Liver								
Inflammatory cell foci	2	1	1	1	2	2	2	1
Single cell necrosis	1	1	0	0	0	1	0	0
Pancreas								
Apoptosis/single cell necrosis, exocrine	0	0	0	0	0	0	2	0
Kidneys								
Tubular atrophy, cortical	1	0	0	0	1	0	0	1
Interstitial inflammation, lymphocytic	0	0	0	0	1	0	0	0
Hyaline cast(s)	0	0	0	0	0	1	0	1
Adrenal Glands								
Extracapsular nodule	0	0	0	0	0	0	0	x
Spleen								
Hemopoiesis, primarily erythropoiesis	1	1	2	1	2	1	2	1
Hemosiderin pigment	0	1	1	1	1	1	1	1
Thymus								
Lymphoid atrophy - involution	0	0	0	0	0	0	0	1
Lymphocytolysis, increased	0	0	0	0	0	0	0	2
Mesenteric Lymph Node								
Congestion/erythrophagocytosis	0	0	0	1	0	0	0	0
Mandibular Lymph Node								
Plasmacytosis	0	0	0	2	0	0	2	0
Lymphoid hyperplasia	0	0	0	2	0	0	0	0
Congestion/erythrophagocytosis	0	0	0	2	0	0	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 4

	57 m	58 m	59 m	61 m	62 m	63 m
necropsy status	r	r	r	s	s	s
Eyes						
Periorbital inflammation due to blood sampling				3		

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 5

	65 m	66 m	67 m	68 m	69 m	70 m	71 m	72 m
necropsy status	p	p	p	p	p	p	p	p
Lungs								
Intra-alveolar blood, necropsy artefact		x						
Vascular mineralisation, focal		1						
Liver								
Inflammatory cell foci	2	1	2	2	2	2	2	2
Single cell necrosis	1	0	1	0	1	1	1	1
Midzonal/centrilobular hypertrophy, diffuse	3	3	3	3	3	2	2	3
Hepatocellular vacuolation	2	0	1	0	0	0	0	1
Coagulative necrosis, focal	0	0	1	0	0	0	0	0
Pancreas								
Apoptosis/single cell necrosis, exocrine	0	1	0	1	0	0	0	0
Inflammation, mixed granulocytic/lymphocytic	0	0	0	0	0	1	0	0
Kidneys								
Tubular atrophy, cortical	1	1	1	1	0	0	0	0
Interstitial inflammation, lymphocytic	0	0	0	1	1	1	0	0
Cystic tubules	0	0	0	0	0	0	2	0
Testes								
Seminiferous tubular atrophy	0	4	0	0	0	0	0	0
Epididymides								
Atrophy		3						
Aspermia		x						

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 5

	65 m	66 m	67 m	68 m	69 m	70 m	71 m	72 m
necropsy status	p	p	p	p	p	p	p	p
Adrenal Glands								
Extracapsular nodule	0	0	0	0	x	0	0	0
Spleen								
Hemopoiesis, primarily erythropoiesis	2	1	2	1	1	2	1	2
Hemosiderin pigment	0	1	0	2	0	0	1	2
Mandibular Lymph Node								
Plasmacytosis	0	3	2	0	0	0	2	2
Congestion/erythrophagocytosis	0	1	0	0	0	0	0	2

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 5

	73 m	74 m	75 m	77 m	78 m	79 m
necropsy status	r	r	r	s	s	s
Liver						
Inflammatory cell foci	3	2	2	2	2	2
Single cell necrosis	2	1	1	1	1	0
Midzonal/centrilobular hypertrophy, diffuse	2	0	1	0	0	0
Hepatocellular vacuolation	0	0	0	0	0	1
Testes						
Seminiferous tubular atrophy		3				

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 6

	81 m	82 m	83 m	84 m	85 m	86 m	87 m	88 m
necropsy status	p	p	p	p	p	p	p	p
Liver								
Inflammatory cell foci	2	2	2	2	1	2	2	2
Single cell necrosis	1	0	1	1	0	1	1	1
Midzonal/centrilobular hypertrophy, diffuse	2	3	3	3	3	2	3	3
Hepatocellular vacuolation	0	1	1	0	0	1	2	0
Hematopoietic cell foci	1	0	0	0	0	0	0	0
Pancreas								
Apoptosis/single cell necrosis, exocrine	0	2	0	0	0	0	0	1
Kidneys								
Tubular atrophy, cortical	1	1	0	1	1	1	1	0
Interstitial inflammation, lymphocytic	0	0	2	1	0	0	0	0
Hyaline cast(s)	0	0	0	0	0	1	1	0
Cystic tubules	0	0	2	0	0	0	0	0
Testes								
Spermatidic giant cell(s)	0	0	1	0	0	0	0	0
Adrenal Glands								
Vacuolation, multifocal in z. fasiculata	0	0	0	0	0	1	0	1
Atrophy, cortical diffuse	0	0	0	2	0	0	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 6

	81 m	82 m	83 m	84 m	85 m	86 m	87 m	88 m
necropsy status	p	p	p	p	p	p	p	p
Spleen								
Hemopoiesis, primarily erythropoiesis	1	1	1	1	1	2	1	1
Hemosiderin pigment	1	1	1	0	0	0	0	1
Thymus								
Lymphoid atrophy - involution	0	0	0	0	0	2	0	1
Mandibular Lymph Node								
Plasmacytosis	3	0	0	2	0	0	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Males, Dose group 6

	89 m	90 m	91 m	93 m	94 m	95 m
necropsy status	r	r	r	s	s	s
Liver						
Inflammatory cell foci	2	2	2	1	2	2
Single cell necrosis	1	1	0	1	0	1
Midzonal/centrilobular hypertrophy, diffuse	2	3	3	1	3	2
Hepatocellular vacuolation	1	2	2	0	1	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Females, Dose group 1

	97 f	98 f	99 f	100 f	101 f	102 f	103 f	104 f
necropsy status	p	p	p	p	p	p	p	p
Liver								
Inflammatory cell foci	2	1	2	1	2	2	2	1
Single cell necrosis	1	0	1	1	1	1	1	1
Hepatocellular vacuolation	0	0	0	0	0	0	0	1
Pancreas								
Apoptosis/single cell necrosis, exocrine	0	1	1	0	0	0	0	0
Kidneys								
Tubular atrophy, cortical	1	0	0	1	0	1	0	1
Tubular mineralization	0	0	0	0	1	0	0	0
Pelvic mineralization	0	1	0	0	0	0	0	0
Spleen								
Hemopoiesis, primarily erythropoiesis	1	1	1	1	0	1	1	1
Hemosiderin pigment	3	2	2	2	3	3	2	2
Thymus								
Lymphoid atrophy - involution	0	0	0	0	0	0	1	0
Mandibular Lymph Node								
Lymphoid hyperplasia	0	0	0	0	2	0	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Females, Dose group 1

	105 f	106 f	107 f	109 f	110 f	111 f
necropsy status	r	r	r	s	s	s
Liver						
Inflammatory cell foci	2	2	2	2	2	1
Single cell necrosis	1	1	0	1	0	0
Hepatocellular vacuolation	0	2	0	0	0	0
Skin						
Inflammation, exudative	2					

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Females, Dose group 2

	113 f	114 f	115 f	116 f	117 f	118 f	119 f	120 f
necropsy status	p	p	p	p	p	p	p	p
Liver								
Inflammatory cell foci	2	2	1	1	1	1	1	2
Single cell necrosis	1	1	0	1	0	1	1	1
Kidneys								
Tubular atrophy, cortical	0	0	0	0	0	0	1	0
Pelvic dilation	0	0	0	0	x	0	0	0
Adrenal Glands								
Extracapsular nodule	0	0	0	0	x	0	0	0
Spleen								
Hemopoiesis, primarily erythropoiesis	1	1	1	1	1	1	1	1
Hemosiderin pigment	2	2	2	2	2	2	3	2
Thymus								
Lymphoid atrophy - involution	0	0	0	0	0	1	0	0
Lymphocytolysis, increased	0	0	0	0	0	0	1	0
Mandibular Lymph Node								
Plasmacytosis	2	2	0	0	0	3	0	0
Lymphoid hyperplasia	2	0	0	0	0	0	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ ./PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Females, Dose group 3

	129 f	130 f	131 f	132 f	133 f	134 f	135 f	136 f
necropsy status	o	p	p	p	p	p	p	p
Liver								
Inflammatory cell foci	2	2	1	1	2	1	1	2
Single cell necrosis	1	1	1	0	2	0	0	1
Hepatocellular vacuolation	0	1	0	0	0	0	0	0
Pancreas								
Exocrine atrophy, focal	0	0	0	1	0	0	0	0
Kidneys								
Tubular atrophy, cortical	0	1	0	0	0	1	0	0
Interstitial inflammation, lymphocytic	0	0	0	0	0	1	0	1
Adrenal Glands								
Extracapsular nodule	0	0	0	0	0	0	0	x
Spleen								
Hemopoiesis, primarily erythropoiesis	2	1	1	1	2	1	1	1
Hemosiderin pigment	1	2	2	1	2	2	2	3
Thymus								
Lymphoid atrophy - involution	0	1	0	0	1	0	0	1
Lymphocytolysis, increased	0	0	0	0	0	1	0	0
Mandibular Lymph Node								
Plasmacytosis	0	0	0	0	0	0	2	2
Lymphoid hyperplasia	0	0	0	0	0	0	2	2

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Females, Dose group 4

	145 f	146 f	147 f	148 f	149 f	150 f	151 f	152 f
necropsy status	p	p	p	p	p	p	p	p
Liver								
Inflammatory cell foci	1	2	1	2	2	2	2	1
Single cell necrosis	0	1	1	0	0	0	0	1
Hematopoietic cell foci	0	0	0	0	0	1	0	0
Kidneys								
Tubular atrophy, cortical	0	0	0	0	0	0	0	1
Interstitial inflammation, lymphocytic	0	0	0	1	0	0	0	0
Cystic tubules	0	0	2	0	0	0	0	0
Uterus								
Cyst(s)							x	
Spleen								
Hemopoiesis, primarily erythropoiesis	1	1	0	1	1	0	0	1
Hemosiderin pigment	2	2	2	2	2	3	2	2
Thymus								
Lymphoid atrophy - involution	0	0	0	0	0	0	0	1
Lymphocytolysis, increased	0	0	0	1	0	0	0	0
Mandibular Lymph Node								
Plasmacytosis	0	0	0	0	0	2	0	0
Lymphoid hyperplasia	2	0	2	0	0	2	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Females, Dose group 5

	161 f	162 f	163 f	164 f	165 f	166 f	167 f	168 f
necropsy status	p	p	p	p	p	p	p	p
Liver								
Inflammatory cell foci	2	2	3	2	1	1	1	1
Single cell necrosis	0	1	1	0	1	0	1	1
Hepatocellular vacuolation	0	0	0	0	0	0	0	1
Pancreas								
Apoptosis/single cell necrosis, exocrine	0	0	0	0	1	0	0	0
Kidneys								
Cystic tubules	0	0	0	0	0	0	0	1
Tubular epithelial hypertrophy, focal	1	0	0	0	0	0	0	0
Adrenal Glands								
Extracapsular nodule	0	0	0	0	0	x	0	0
Spleen								
Hemopoiesis, primarily erythropoiesis	1	1	2	1	1	1	1	1
Hemosiderin pigment	2	2	2	2	2	2	2	3
Thymus								
Lymphoid atrophy - involution	0	0	0	2	0	0	0	0
Lymphocytolysis, increased	0	0	1	0	0	0	0	0
Mandibular Lymph Node								
Plasmacytosis	0	0	2	0	0	0	0	0
Lymphoid hyperplasia	0	0	0	0	0	2	0	0

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ :/PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Females, Dose group 6

	177 f	178 f	179 f	180 f	181 f	182 f	183 f	184 f
necropsy status	p	p	p	p	p	p	p	p
Liver								
Inflammatory cell foci	2	1	2	2	1	1	1	1
Single cell necrosis	1	0	1	0	1	0	1	0
Midzonal/centrilobular hypertrophy, diffuse	2	2	3	1	2	3	3	2
Kidneys								
Tubular atrophy, cortical	1	1	0	0	1	1	0	1
Interstitial inflammation, lymphocytic	0	1	0	1	0	0	1	0
Adrenal Glands								
Extracapsular nodule	x	0	0	0	0	0	0	0
Spleen								
Hemopoiesis, primarily erythropoiesis	1	0	0	1	1	1	0	1
Hemosiderin pigment	2	1	3	2	3	2	2	2
Thymus								
Lymphoid atrophy - involution	1	0	0	0	0	0	0	0
Mandibular Lymph Node								
Plasmacytosis	0	0	0	0	0	2	2	0

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Microscopic Findings

Females, Dose group 6

	185 f	186 f	187 f	189 f	190 f	191 f
necropsy status	r	r	r	s	s	s
Liver						
Inflammatory cell foci	1	1	2	2	1	1
Single cell necrosis	0	0	1	1	1	0
Midzonal/centrilobular hypertrophy, diffuse	0	1	0	0	0	1

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Animal Data List

Males

ANIMAL NUMBER	SEX M/F	FINAL STATE	TEST DAYS	FIRST DAY	LAST DAY	DATE NECROPSY
DOSE GROUP 1						
1	m	p	28	06/10/98	02/11/98	03/11/98
2	m	p	28	06/10/98	02/11/98	03/11/98
3	m	p	28	06/10/98	02/11/98	03/11/98
4	m	p	28	06/10/98	02/11/98	03/11/98
5	m	p	29	06/10/98	03/11/98	04/11/98
6	m	p	29	06/10/98	03/11/98	04/11/98
7	m	p	29	06/10/98	03/11/98	04/11/98
8	m	p	29	06/10/98	03/11/98	04/11/98
9	m	r	29	06/10/98	03/11/98	18/11/98
10	m	r	29	06/10/98	03/11/98	18/11/98
11	m	r	29	06/10/98	03/11/98	18/11/98
13	m	s	29	06/10/98	03/11/98	02/12/98
14	m	s	29	06/10/98	03/11/98	02/12/98
15	m	s	29	06/10/98	03/11/98	02/12/98
DOSE GROUP 2						
17	m	p	28	06/10/98	02/11/98	03/11/98
18	m	p	28	06/10/98	02/11/98	03/11/98
19	m	p	28	06/10/98	02/11/98	03/11/98
20	m	p	28	06/10/98	02/11/98	03/11/98
21	m	p	29	06/10/98	03/11/98	04/11/98
22	m	p	29	06/10/98	03/11/98	04/11/98
23	m	p	29	06/10/98	03/11/98	04/11/98
24	m	p	29	06/10/98	03/11/98	04/11/98
25	m	r	29	06/10/98	03/11/98	18/11/98
26	m	r	29	06/10/98	03/11/98	18/11/98
27	m	r	29	06/10/98	03/11/98	18/11/98
29	m	s	29	06/10/98	03/11/98	02/12/98
30	m	s	29	06/10/98	03/11/98	02/12/98
31	m	s	29	06/10/98	03/11/98	02/12/98
DOSE GROUP 3						
33	m	p	28	06/10/98	02/11/98	03/11/98
34	m	p	28	06/10/98	02/11/98	03/11/98
35	m	p	28	06/10/98	02/11/98	03/11/98
36	m	p	28	06/10/98	02/11/98	03/11/98
37	m	p	29	06/10/98	03/11/98	04/11/98
38	m	p	29	06/10/98	03/11/98	04/11/98
39	m	p	29	06/10/98	03/11/98	04/11/98
40	m	p	29	06/10/98	03/11/98	04/11/98
41	m	r	29	06/10/98	03/11/98	18/11/98
42	m	r	29	06/10/98	03/11/98	18/11/98
43	m	r	29	06/10/98	03/11/98	18/11/98
45	m	s	29	06/10/98	03/11/98	02/12/98
46	m	s	29	06/10/98	03/11/98	02/12/98
47	m	s	29	06/10/98	03/11/98	02/12/98

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Animal Data List

Males

ANIMAL NUMBER	SEX M/F	FINAL STATE	TEST DAYS	FIRST DAY	LAST DAY	DATE NECROPSY
DOSE GROUP 4						
49	m	p	28	06/10/98	02/11/98	03/11/98
50	m	p	28	06/10/98	02/11/98	03/11/98
51	m	p	28	06/10/98	02/11/98	03/11/98
52	m	p	28	06/10/98	02/11/98	03/11/98
53	m	p	29	06/10/98	03/11/98	04/11/98
54	m	p	29	06/10/98	03/11/98	04/11/98
55	m	p	29	06/10/98	03/11/98	04/11/98
56	m	p	29	06/10/98	03/11/98	04/11/98
57	m	r	29	06/10/98	03/11/98	18/11/98
58	m	r	29	06/10/98	03/11/98	18/11/98
59	m	r	29	06/10/98	03/11/98	18/11/98
61	m	s	29	06/10/98	03/11/98	02/12/98
62	m	s	29	06/10/98	03/11/98	02/12/98
63	m	s	29	06/10/98	03/11/98	02/12/98
DOSE GROUP 5						
65	m	p	28	06/10/98	02/11/98	03/11/98
66	m	p	28	06/10/98	02/11/98	03/11/98
67	m	p	28	06/10/98	02/11/98	03/11/98
68	m	p	28	06/10/98	02/11/98	03/11/98
69	m	p	29	06/10/98	03/11/98	04/11/98
70	m	p	29	06/10/98	03/11/98	04/11/98
71	m	p	29	06/10/98	03/11/98	04/11/98
72	m	p	29	06/10/98	03/11/98	04/11/98
73	m	r	29	06/10/98	03/11/98	18/11/98
74	m	r	29	06/10/98	03/11/98	18/11/98
75	m	r	29	06/10/98	03/11/98	18/11/98
77	m	s	29	06/10/98	03/11/98	02/12/98
78	m	s	29	06/10/98	03/11/98	02/12/98
79	m	s	29	06/10/98	03/11/98	02/12/98
DOSE GROUP 6						
81	m	p	28	06/10/98	02/11/98	03/11/98
82	m	p	28	06/10/98	02/11/98	03/11/98
83	m	p	28	06/10/98	02/11/98	03/11/98
84	m	p	28	06/10/98	02/11/98	03/11/98
85	m	p	29	06/10/98	03/11/98	04/11/98
86	m	p	29	06/10/98	03/11/98	04/11/98
87	m	p	29	06/10/98	03/11/98	04/11/98
88	m	p	29	06/10/98	03/11/98	04/11/98
89	m	r	29	06/10/98	03/11/98	18/11/98
90	m	r	29	06/10/98	03/11/98	18/11/98
91	m	r	29	06/10/98	03/11/98	18/11/98
93	m	s	29	06/10/98	03/11/98	02/12/98
94	m	s	29	06/10/98	03/11/98	02/12/98
95	m	s	29	06/10/98	03/11/98	02/12/98

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Animal Data List

Females

ANIMAL NUMBER	SEX M/F	FINAL STATE	TEST DAYS	FIRST DAY	LAST DAY	DATE NECROPSY
DOSE GROUP 1						
97	f	p	28	08/10/98	04/11/98	05/11/98
98	f	p	28	08/10/98	04/11/98	05/11/98
99	f	p	28	08/10/98	04/11/98	05/11/98
100	f	p	28	08/10/98	04/11/98	05/11/98
101	f	p	29	08/10/98	05/11/98	06/11/98
102	f	p	29	08/10/98	05/11/98	06/11/98
103	f	p	29	08/10/98	05/11/98	06/11/98
104	f	p	29	08/10/98	05/11/98	06/11/98
105	f	r	29	08/10/98	05/11/98	20/11/98
106	f	r	29	08/10/98	05/11/98	20/11/98
107	f	r	29	08/10/98	05/11/98	20/11/98
109	f	s	29	08/10/98	05/11/98	04/12/98
110	f	s	29	08/10/98	05/11/98	04/12/98
111	f	s	29	08/10/98	05/11/98	04/12/98
DOSE GROUP 2						
113	f	p	28	08/10/98	04/11/98	05/11/98
114	f	p	28	08/10/98	04/11/98	05/11/98
115	f	p	28	08/10/98	04/11/98	05/11/98
116	f	p	28	08/10/98	04/11/98	05/11/98
117	f	p	29	08/10/98	05/11/98	06/11/98
118	f	p	29	08/10/98	05/11/98	06/11/98
119	f	p	29	08/10/98	05/11/98	06/11/98
120	f	p	29	08/10/98	05/11/98	06/11/98
121	f	r	29	08/10/98	05/11/98	20/11/98
122	f	r	29	08/10/98	05/11/98	20/11/98
123	f	r	29	08/10/98	05/11/98	20/11/98
125	f	s	29	08/10/98	05/11/98	04/12/98
126	f	s	29	08/10/98	05/11/98	04/12/98
127	f	s	29	08/10/98	05/11/98	04/12/98
DOSE GROUP 3						
129	f	o	28	08/10/98	04/11/98	05/11/98
130	f	p	28	08/10/98	04/11/98	05/11/98
131	f	p	28	08/10/98	04/11/98	05/11/98
132	f	p	28	08/10/98	04/11/98	05/11/98
133	f	p	29	08/10/98	05/11/98	06/11/98
134	f	p	29	08/10/98	05/11/98	06/11/98
135	f	p	29	08/10/98	05/11/98	06/11/98
136	f	p	29	08/10/98	05/11/98	06/11/98
137	f	r	29	08/10/98	05/11/98	20/11/98
138	f	r	29	08/10/98	05/11/98	20/11/98
139	f	r	29	08/10/98	05/11/98	20/11/98
141	f	s	29	08/10/98	05/11/98	04/12/98
142	f	s	29	08/10/98	05/11/98	04/12/98
143	f	s	29	08/10/98	05/11/98	04/12/98

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Animal Data List

Females

ANIMAL NUMBER	SEX M/F	FINAL STATE	TEST DAYS	FIRST DAY	LAST DAY	DATE NECROPSY
DOSE GROUP 4						
145	f	p	28	08/10/98	04/11/98	05/11/98
146	f	p	28	08/10/98	04/11/98	05/11/98
147	f	p	28	08/10/98	04/11/98	05/11/98
148	f	p	28	08/10/98	04/11/98	05/11/98
149	f	p	29	08/10/98	05/11/98	06/11/98
150	f	p	29	08/10/98	05/11/98	06/11/98
151	f	p	29	08/10/98	05/11/98	06/11/98
152	f	p	29	08/10/98	05/11/98	06/11/98
153	f	r	29	08/10/98	05/11/98	20/11/98
154	f	r	29	08/10/98	05/11/98	20/11/98
155	f	r	29	08/10/98	05/11/98	20/11/98
157	f	s	29	08/10/98	05/11/98	04/12/98
158	f	s	29	08/10/98	05/11/98	04/12/98
159	f	s	29	08/10/98	05/11/98	04/12/98
DOSE GROUP 5						
161	f	p	28	08/10/98	04/11/98	05/11/98
162	f	p	28	08/10/98	04/11/98	05/11/98
163	f	p	28	08/10/98	04/11/98	05/11/98
164	f	p	28	08/10/98	04/11/98	05/11/98
165	f	p	29	08/10/98	05/11/98	06/11/98
166	f	p	29	08/10/98	05/11/98	06/11/98
167	f	p	29	08/10/98	05/11/98	06/11/98
168	f	p	29	08/10/98	05/11/98	06/11/98
169	f	r	29	08/10/98	05/11/98	20/11/98
170	f	r	29	08/10/98	05/11/98	20/11/98
171	f	r	29	08/10/98	05/11/98	20/11/98
173	f	s	29	08/10/98	05/11/98	04/12/98
174	f	s	29	08/10/98	05/11/98	04/12/98
175	f	s	29	08/10/98	05/11/98	04/12/98
DOSE GROUP 6						
177	f	p	28	08/10/98	04/11/98	05/11/98
178	f	p	28	08/10/98	04/11/98	05/11/98
179	f	p	28	08/10/98	04/11/98	05/11/98
180	f	p	28	08/10/98	04/11/98	05/11/98
181	f	p	29	08/10/98	05/11/98	06/11/98
182	f	p	29	08/10/98	05/11/98	06/11/98
183	f	p	29	08/10/98	05/11/98	06/11/98
184	f	p	29	08/10/98	05/11/98	06/11/98
185	f	r	29	08/10/98	05/11/98	20/11/98
186	f	r	29	08/10/98	05/11/98	20/11/98
187	f	r	29	08/10/98	05/11/98	20/11/98
189	f	s	29	08/10/98	05/11/98	04/12/98
190	f	s	29	08/10/98	05/11/98	04/12/98
191	f	s	29	08/10/98	05/11/98	04/12/98

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 1
SEX: Male
DOSE GROUP: Vehicle Control

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Hematopoietic cell foci (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)
Mandibular Lymph Node/ 2	Plasmacytosis (slight)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node.

Animal No: 2

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 2
SEX: Male
DOSE GROUP: Vehicle Control

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Testes/1	Seminiferous tubular atrophy (minimal)
Testes/2	Spermatidic giant cell(s) (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight) Lymphoid hyperplasia (slight)
	No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 3

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Hematopoietic cell foci (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight) Lymphoid hyperplasia (slight)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ 'PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 3
SEX: Male
DOSE GROUP: Vehicle Control

MICROSCOPIC FINDINGS
(continued)

Mandibular Lymph Node/ 2	Plasmacytosis (slight)
	No abnormalities found in: Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/ 2, Thymus, Mesenteric Lymph Node.

Animal No: 4

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)
	No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/ 2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ ./PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 5
SEX: Male
DOSE GROUP: Vehicle Control

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (slight)
Kidney/1	Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)

No abnormalities found in: Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 6

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 6
SEX: Male
DOSE GROUP: Vehicle Control

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Kidney/1	Tubular atrophy, cortical (minimal) Interstitial inflammation, lymphocytic (minimal)
Kidney/2	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Mandibular Lymph Node/ 1	Plasmacytosis (moderate)
Mandibular Lymph Node/ 2	Plasmacytosis (moderate)
	No abnormalities found in: Pancreas, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node.

Animal No: 7

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (slight) Hepatocellular vacuolation (minimal) Hematopoietic cell foci (minimal)
Kidney/1	Hyaline cast(s) (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 7
SEX: Male
DOSE GROUP: Vehicle Control

MICROSCOPIC FINDINGS
(continued)

Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)
	No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 8

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight)
Kidney/1	Tubular atrophy, cortical (minimal)
Kidney/2	Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal)
	No abnormalities found in: Pancreas, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 9
SEX: Male
DOSE GROUP: Vehicle Control

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

Skin — chest region: Alopecia

No abnormalities were found in any of the other tissues examined

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (slight)

No abnormalities found in: Pancreas.

Animal No: 10

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (moderate)
Single cell necrosis (slight)

No abnormalities found in: Pancreas.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 11
SEX: Male
DOSE GROUP: Vehicle Control

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (slight)
Single cell necrosis (minimal)
Hepatocellular vacuolation (minimal)

No abnormalities found in: Pancreas.

Animal No: 13

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (slight)
Single cell necrosis (minimal)
Hepatocellular vacuolation (minimal)

No abnormalities found in: Pancreas.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 14
SEX: Male
DOSE GROUP: Vehicle Control

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (slight)
Single cell necrosis (minimal)

No abnormalities found in: Pancreas.

Animal No: 15

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (slight)

Pancreas — Apoptosis/single cell necrosis, exocrine (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ :/PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 97
SEX: Female
DOSE GROUP: Vehicle Control

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (moderate)

No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 98

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

Ovaries	left side Watery cyst

No abnormalities were found in any of the other tissues examined

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 98
SEX: Female
DOSE GROUP: Vehicle Control

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal)
Kidney/1	Pelvic mineralization (minimal)
Ovary/1	No micro correlate
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
	No abnormalities found in: Kidney/2, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 99

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
	No abnormalities found in: Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 100
SEX: Female
DOSE GROUP: Vehicle Control

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)

No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 101

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 101
SEX: Female
DOSE GROUP: Vehicle Control

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Kidney/1	Tubular mineralization (minimal)
Spleen	Hemosiderin pigment (moderate)
Mandibular Lymph Node/ 1	Lymphoid hyperplasia (slight)
	No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 102

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (moderate)
	No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 103
SEX: Female
DOSE GROUP: Vehicle Control

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Thymus	Lymphoid atrophy - involution (minimal)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 104

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 104
SEX: Female
DOSE GROUP: Vehicle Control

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal) Hepatocellular vacuolation (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
	No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 105

MACROSCOPIC FINDINGS

	days of treatment : 29 sacrifice group : recovery group necropsy status : planned recovery date of start of treatment: 08/10/98 date of end of treatment: 05/11/98 date of necropsy : 20/11/98
Skin	abdominal region: Scab formation
	No abnormalities were found in any of the other tissues examined

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Skin	Inflammation, exudative (slight) (correlates to GROSS finding)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 106
SEX: Female
DOSE GROUP: Vehicle Control

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (slight)
Single cell necrosis (minimal)
Hepatocellular vacuolation (slight)

Animal No: 107

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (slight)

Animal No: 109

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ ./PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 109
SEX: Female
DOSE GROUP: Vehicle Control

MACROSCOPIC FINDINGS
(continued)

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (slight)
Single cell necrosis (minimal)

Animal No: 110

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (slight)

Animal No: 111

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 17
SEX: Male
DOSE GROUP: Telomer Alcohol

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (slight)
Kidney/1	Tubular atrophy, cortical (slight)
Kidney/2	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)

No abnormalities found in: Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 18

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS' NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 18
SEX: Male
DOSE GROUP: Telomer Alcohol

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Midzonal/centrilobular hypertrophy, diffuse (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal)
Kidney/1	Tubular atrophy, cortical (minimal) Pelvic mineralization (minimal)
Kidney/2	Tubular mineralization (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (moderate)
	No abnormalities found in: Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 19

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Midzonal/centrilobular hypertrophy, diffuse (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 19
SEX: Male
DOSE GROUP: Telomer Alcohol

MICROSCOPIC FINDINGS
(continued)

Mesenteric Lymph Node	Congestion/erythrophagocytosis (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)
	No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mandibular Lymph Node/2.

Animal No: 20

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
	No abnormalities found in: Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 21
SEX: Male
DOSE GROUP: Telomer Alcohol

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (minimal)
Kidney/1	Interstitial inflammation, lymphocytic (minimal) Hyaline cast(s) (minimal)
Kidney/2	Tubular atrophy, cortical (minimal) Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)

No abnormalities found in: Pancreas, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 22

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 22
SEX: Male
DOSE GROUP: Telomer Alcohol

MACROSCOPIC FINDINGS
(continued)

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (slight)
Pancreas	Apoptosis/single cell necrosis, exocrine (slight)
Kidney/1	Tubular atrophy, cortical (minimal)
Kidney/2	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)

No abnormalities found in: Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 23

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Pròpath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 23
SEX: Male
DOSE GROUP: Telomer Alcohol

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)
	No abnormalities found in: Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/ 2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 24

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal) Exocrine atrophy, focal (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 24
SEX: Male
DOSE GROUP: Telomer Alcohol

MICROSCOPIC FINDINGS
(continued)

Mandibular Lymph Node/ 1	Plasmacytosis (slight)
	No abnormalities found in: Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/ 2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 25

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Hematopoietic cell foci (minimal)
	No abnormalities found in: Pancreas.

Animal No: 26

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 26
SEX: Male
DOSE GROUP: Telomer Alcohol

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (moderate) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (minimal)
	No abnormalities found in: Pancreas.

Animal No: 27

MACROSCOPIC FINDINGS

	days of treatment : 29 sacrifice group : recovery group necropsy status : planned recovery date of start of treatment: 06/10/98 date of end of treatment: 03/11/98 date of necropsy : 18/11/98
Testes	Reduced in size FLACCID
	No abnormalities were found in any of the other tissues examined

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (moderate) Single cell necrosis (minimal)
Pancreas	Exocrine atrophy, focal (minimal)
Testes/1	Seminiferous tubular atrophy (severe) (correlates to GROSS finding)
Testes/2	Seminiferous tubular atrophy (severe) (correlates to GROSS finding)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 29
SEX: Male
DOSE GROUP: Telomer Alcohol

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (slight)
Midzonal/centrilobular hypertrophy, diffuse (minimal)

No abnormalities found in: Pancreas.

Animal No: 30

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (slight)
Single cell necrosis (minimal)
Coagulative necrosis, focal (minimal)

No abnormalities found in: Pancreas.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 31
SEX: Male
DOSE GROUP: Telomer Alcohol

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)

No abnormalities found in: Pancreas.

Animal No: 113
SEX: Female

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Mandibular Lymph Node/ 1	Plasmacytosis (slight) Lymphoid hyperplasia (slight)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 113
SEX: Female
DOSE GROUP: Telomer Alcohol

MICROSCOPIC FINDINGS
(continued)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 114

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 115
SEX: Female
DOSE GROUP: Telomer Alcohol

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (minimal)

Spleen — Hemopoiesis, primarily erythropoiesis (minimal)
Hemosiderin pigment (slight)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 116

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (minimal)
Single cell necrosis (minimal)

Spleen — Hemopoiesis, primarily erythropoiesis (minimal)
Hemosiderin pigment (slight)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 116
SEX: Female
DOSE GROUP: Telomer Alcohol

MICROSCOPIC FINDINGS
(continued)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 117

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

Kidneys — right side Pelvic dilation

No abnormalities were found in any of the other tissues examined

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (minimal)

Kidney/2 — Pelvic dilation present (correlates to GROSS finding)

Adrenal Gland/1 — Extracapsular nodule present

Spleen — Hemopoiesis, primarily erythropoiesis (minimal)
Hemosiderin pigment (slight)

No abnormalities found in: Pancreas, Kidney/1, Ovary/1, Ovary/2, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ ./PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 118
SEX: Female
DOSE GROUP: Telomer Alcohol

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Thymus	Lymphoid atrophy - involution (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (moderate)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 119

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 119
SEX: Female
DOSE GROUP: Telomer Alcohol

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Kidney/2	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (moderate)
Thymus	Lymphocytolysis, increased (minimal)
	No abnormalities found in: Pancreas, Kidney/1, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 120

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
	No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 121
SEX: Female
DOSE GROUP: Telomer Alcohol

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 122

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

Skin — Alopecia

No abnormalities were found in any of the other tissues examined

MICROSCOPIC FINDINGS

Skin — No micro correlate

Animal No: 123

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 123
SEX: Female
DOSE GROUP: Telomer Alcohol

MACROSCOPIC FINDINGS
(continued)

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 125

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 126

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Prbpath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 127
SEX: Female
DOSE GROUP: Telomer Alcohol

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 33
SEX: Male
DOSE GROUP: Telomer Acrylat

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Kidney/2	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Probath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 33
SEX: Male
DOSE GROUP: Telomer Acrylat

MICROSCOPIC FINDINGS
(continued)

Number of Sections less than protocol for Mandibular Lymph Node/1 (0).

No abnormalities found in: Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 34

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Kidney/1	Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)
Mandibular Lymph Node/ 2	Plasmacytosis (slight)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 35
SEX: Male
DOSE GROUP: Telomer Acrylat

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 36

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Kidney/1	Tubular atrophy, cortical (minimal) Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 36
SEX: Male
DOSE GROUP: Telomer Acrylat

MICROSCOPIC FINDINGS
(continued)

Number of Sections less than protocol for Mandibular Lymph Node/1 (0).

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 37

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (moderate) Single cell necrosis (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 38
SEX: Male
DOSE GROUP: Telomer Acrylat

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)
Mandibular Lymph Node/ 2	Plasmacytosis (slight)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node.

Animal No: 39

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 39
SEX: Male
DOSE GROUP: Telomer Acrylat

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal) Exocrine atrophy, focal (minimal)
Kidney/1	Tubular atrophy, cortical (minimal) Pelvic inflammation, lymphoid (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)
	No abnormalities found in: Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 40

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
Thymus	Lymphocytolysis, increased (slight)
Mandibular Lymph Node/ 1	Congestion/erythrophagocytosis (moderate)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 40
SEX: Male
DOSE GROUP: Telomer Acrylat

MICROSCOPIC FINDINGS
(continued)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 41

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 42

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 43
SEX: Male
DOSE GROUP: Telomer Acrylat

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 45

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 46

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 46
SEX: Male
DOSE GROUP: Telomer Acrylat

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 47

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 129
SEX: Female

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : other
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 129
SEX: Female
DOSE GROUP: Telomer Acrylat

MICROSCOPIC FINDINGS
(continued)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 130

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Hepatocellular vacuolation (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Kidney/2	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Thymus	Lymphoid atrophy - involution (minimal)

No abnormalities found in: Pancreas, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ -/PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 131
SEX: Female
DOSE GROUP: Telomer Acrylat

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 132

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 132
SEX: Female
DOSE GROUP: Telomer Acrylat

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal)
Pancreas	Exocrine atrophy, focal (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
	No abnormalities found in: Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 133

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (slight)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (slight)
Thymus	Lymphoid atrophy - involution (minimal)
	No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 134
SEX: Female
DOSE GROUP: Telomer Acrylat

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal)
Kidney/2	Tubular atrophy, cortical (minimal) Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Thymus	Lymphocytolysis, increased (minimal)

No abnormalities found in: Pancreas, Kidney/1, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 135

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Prbpath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 135
SEX: Female
DOSE GROUP: Telomer Acrylat

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Mandibular Lymph Node/ 1	Plasmacytosis (slight) Lymphoid hyperplasia (slight)
	No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 136

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Kidney/2	Interstitial inflammation, lymphocytic (minimal)
Adrenal Gland/1	Extracapsular nodule present
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (moderate)
Thymus	Lymphoid atrophy - involution (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 136
SEX: Female
DOSE GROUP: Telomer Acrylat

MICROSCOPIC FINDINGS
(continued)

Mandibular Lymph Node/ 2	Lymphoid hyperplasia (slight)

No abnormalities found in: Pancreas, Kidney/1, Ovary/1, Ovary/2, Adrenal Gland/2, Mesenteric Lymph Node.

Animal No: 137

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 138

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 139
SEX: Female
DOSE GROUP: Telomer Acrylat

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 141

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 142

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 142
SEX: Female
DOSE GROUP: Telomer Acrylat

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 143

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 49
SEX: Male
DOSE GROUP:

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/[illegible]/PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Pròpath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 49
SEX: Male
DOSE GROUP:

MICROSCOPIC FINDINGS
(continued)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 50

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (minimal)
Single cell necrosis (minimal)

Spleen — Hemopoiesis, primarily erythropoiesis (minimal)
Hemosiderin pigment (minimal)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 51

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 51
SEX: Male
DOSE GROUP:

MACROSCOPIC FINDINGS
(continued)

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 52

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
Mesenteric Lymph Node	Congestion/erythrophagocytosis (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight) Lymphoid hyperplasia (slight) Congestion/erythrophagocytosis (slight)
Mandibular Lymph Node/ 2	Congestion/erythrophagocytosis (slight)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 52
SEX: Male
DOSE GROUP:

MICROSCOPIC FINDINGS
(continued)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus.

Animal No: 53

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight)
Kidney/1	Tubular atrophy, cortical (minimal) Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 54

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 54
SEX: Male
DOSE GROUP:

MACROSCOPIC FINDINGS
(continued)

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Kidney/1	Hyaline cast(s) (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
	No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 55

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight)
Pancreas	Apoptosis/single cell necrosis, exocrine (slight)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (minimal)
Mandibular Lymph Node/1	Plasmacytosis (slight)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 55
SEX: Male
DOSE GROUP:

MICROSCOPIC FINDINGS
(continued)

Mandibular Lymph Node/ 2	Plasmacytosis (slight)
	No abnormalities found in: Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/ 2, Thymus, Mesenteric Lymph Node.

Animal No: 56

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Kidney/2	Tubular atrophy, cortical (minimal) Hyaline cast(s) (minimal)
Adrenal Gland/1	Extracapsular nodule present
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
Thymus	Lymphoid atrophy - involution (minimal) Lymphocytolysis, increased (slight)
	No abnormalities found in: Pancreas, Testes/1, Testes/2, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 57
SEX: Male
DOSE GROUP:

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 58

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 59

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 59
SEX: Male
DOSE GROUP:

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 61

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

Eyes — lens: right side Reduced in size

No abnormalities were found in any of the other tissues examined

MICROSCOPIC FINDINGS

Eyes — Periorbital inflammation due to blood sampling (moderate) (correlates to GROSS finding)

Animal No: 62

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 63
SEX: Male
DOSE GROUP:

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 145
SEX: Female

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Mandibular Lymph Node/ 1	Lymphoid hyperplasia (slight)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 146
SEX: Female
DOSE GROUP:

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 147

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 147
SEX: Female
DOSE GROUP:

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Kidney/1	Cystic tubules (slight)
Spleen	Hemosiderin pigment (slight)
Mandibular Lymph Node/ 1	Lymphoid hyperplasia (slight)
	No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 148

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight)
Kidney/1	Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Thymus	Lymphocytolysis, increased (minimal)
	No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 149
SEX: Female
DOSE GROUP:

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 150

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Hematopoietic cell foci (minimal)
Spleen	Hemosiderin pigment (moderate)
Mandibular Lymph Node/ 1	Plasmacytosis (slight) Lymphoid hyperplasia (slight)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 150
SEX: Female
DOSE GROUP:

MICROSCOPIC FINDINGS
(continued)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 151

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

Uterus — left side Cyst(s)

No abnormalities were found in any of the other tissues examined

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (slight)

Uterus — Cyst(s) present simple serosal) (correlates to GROSS finding)

Spleen — Hemosiderin pigment (slight)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 152
SEX: Female
DOSE GROUP:

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Thymus	Lymphoid atrophy - involution (minimal)

No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 153

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ -/PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 154
SEX: Female
DOSE GROUP:

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 155

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 157

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 157
SEX: Female
DOSE GROUP:

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 158

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 159

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 65
SEX: Male
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate) Hepatocellular vacuolation (slight)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 66

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

Lungs	Hemorrhage
Stomach	glandular mucosa Hemorrhage
Testes	Reduced in size

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NQTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 66
SEX: Male
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS
(continued)

Epididymides	Reduced in size
	No abnormalities were found in any of the other tissues examined

MICROSCOPIC FINDINGS

Lungs	Intra-alveolar blood, necropsy artefact present (correlates to GROSS finding) Vascular mineralisation, focal (minimal)
Stomach	No micro correlate
Liver	Inflammatory cell foci (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Testes/1	Seminiferous tubular atrophy (severe) (correlates to GROSS finding)
Testes/2	Seminiferous tubular atrophy (severe) (correlates to GROSS finding)
Epididymides	Atrophy (moderate) (correlates to GROSS finding) Aspermia present
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (moderate)
Mandibular Lymph Node/ 2	Congestion/erythrophagocytosis (minimal)
	No abnormalities found in: Kidney/2, Adrenal Gland/ 1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 67
SEX: Male
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate) Hepatocellular vacuolation (minimal) Coagulative necrosis, focal (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 68

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ . ./PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 68
SEX: Male
DOSE GROUP: PFHS

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Midzonal/centrilobular hypertrophy, diffuse (moderate)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal)
Kidney/1	Tubular atrophy, cortical (minimal) Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
	No abnormalities found in: Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 69

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate)
Kidney/1	Interstitial inflammation, lymphocytic (minimal)
Adrenal Gland/1	Extracapsular nodule present
Spleen	Hemopoiesis, primarily erythropoiesis (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 69
SEX: Male
DOSE GROUP: PFHS

MICROSCOPIC FINDINGS
(continued)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 70

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (slight)
Pancreas	Inflammation, mixed granulocytic/lymphocytic (minimal)
Kidney/1	Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight)

No abnormalities found in: Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 71
SEX: Male
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (slight)
Kidney/1	Cystic tubules (slight)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)
Mandibular Lymph Node/ 2	Plasmacytosis (slight)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node.

Animal No: 72

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

Liver Enlarged

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ [illegible]/PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 72
SEX: Male
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS
(continued)

No abnormalities were found in any of the other tissues examined

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate) (correlates to GROSS finding) Hepatocellular vacuolation (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (slight)
Mandibular Lymph Node/ 1	Plasmacytosis (slight) Congestion/erythrophagocytosis (slight)
Mandibular Lymph Node/ 2	Congestion/erythrophagocytosis (minimal)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node.

Animal No: 73

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (moderate) Single cell necrosis (slight) Midzonal/centrilobular hypertrophy, diffuse (slight)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NQTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 74
SEX: Male
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

Testes — Reduced in size

No abnormalities were found in any of the other tissues examined

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (slight)
Single cell necrosis (minimal)

Testes/1 — Seminiferous tubular atrophy (moderate) (correlates to GROSS finding)

Testes/2 — Seminiferous tubular atrophy (moderate) (correlates to GROSS finding)

Animal No: 75

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (slight)
Single cell necrosis (minimal)
Midzonal/centrilobular hypertrophy, diffuse (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ ../PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 77
SEX: Male
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (slight)
Single cell necrosis (minimal)

Animal No: 78

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (slight)
Single cell necrosis (minimal)

Animal No: 79

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 79
SEX: Male
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS
(continued)

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Hepatocellular vacuolation (minimal)

Animal No: 161
SEX: Female

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight)
Kidney/1	Tubular epithelial hypertrophy, focal (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)

No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 162
SEX: Female
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (slight)
Single cell necrosis (minimal)

Spleen — Hemopoiesis, primarily erythropoiesis (minimal)
Hemosiderin pigment (slight)

No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 163

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 163
SEX: Female
DOSE GROUP: PFHS

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (moderate) Single cell necrosis (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight) Hemosiderin pigment (slight)
Thymus	Lymphocytolysis, increased (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)
	No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 164

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Thymus	Lymphoid atrophy - involution (slight)
	No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NQTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 165
SEX: Female
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)

No abnormalities found in: Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 166

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 166
SEX: Female
DOSE GROUP: PFHS

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal)
Adrenal Gland/1	Extracapsular nodule present
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Mandibular Lymph Node/ 1	Lymphoid hyperplasia (slight)
	No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 167

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
	No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NQTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 168
SEX: Female
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal) Hepatocellular vacuolation (minimal)
Kidney/1	Cystic tubules (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (moderate)

No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 169

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 170
SEX: Female
DOSE GROUP: PFHS

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 171

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 173

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 173
SEX: Female
DOSE GROUP: PFHS

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 174

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

Animal No: 175

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

No tissues examined

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NQTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 81
SEX: Male
DOSE GROUP: PFOS

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (slight) Hematopoietic cell foci (minimal)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
Mandibular Lymph Node/ 1	Plasmacytosis (moderate)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 82

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NQTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 82
SEX: Male
DOSE GROUP: PFOS

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Midzonal/centrilobular hypertrophy, diffuse (moderate) Hepatocellular vacuolation (minimal)
Pancreas	Apoptosis/single cell necrosis, exocrine (slight)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
	No abnormalities found in: Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 83

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate) Hepatocellular vacuolation (minimal)
Kidney/1	Interstitial inflammation, lymphocytic (slight) Cystic tubules (slight)
Kidney/2	Interstitial inflammation, lymphocytic (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/[illegible]/PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 83
SEX: Male
DOSE GROUP: PFOS

MICROSCOPIC FINDINGS
(continued)

Testes/1	Spermatidic giant cell(s) (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
	No abnormalities found in: Pancreas, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 84

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 02/11/98
date of necropsy : 03/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate)
Kidney/1	Tubular atrophy, cortical (minimal) Interstitial inflammation, lymphocytic (minimal)
Adrenal Gland/1	Atrophy, cortical diffuse (slight)
Adrenal Gland/2	Atrophy, cortical diffuse (slight)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal)
Mandibular Lymph Node/1	Plasmacytosis (slight)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 84
SEX: Male
DOSE GROUP: PFOS

MICROSCOPIC FINDINGS
(continued)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 85

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal)

No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 86

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 86
SEX: Male
DOSE GROUP: PFOS

MACROSCOPIC FINDINGS
(continued)

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (slight) Hepatocellular vacuolation (minimal)
Kidney/1	Tubular atrophy, cortical (minimal) Hyaline cast(s) (minimal)
Kidney/2	Tubular atrophy, cortical (minimal)
Adrenal Gland/1	Vacuolation, multifocal in z. fasiculata (minimal)
Adrenal Gland/2	Vacuolation, multifocal in z. fasiculata (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (slight)
Thymus	Lymphoid atrophy - involution (slight)
	No abnormalities found in: Pancreas, Testes/1, Testes/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 87

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 87
SEX: Male
DOSE GROUP: PFOS

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate) Hepatocellular vacuolation (slight)
Kidney/1	Tubular atrophy, cortical (minimal) Hyaline cast(s) (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal)
	No abnormalities found in: Pancreas, Kidney/2, Testes/1, Testes/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 88

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 04/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate)
Pancreas	Apoptosis/single cell necrosis, exocrine (minimal)
Adrenal Gland/1	Vacuolation, multifocal in z. fasiculata (minimal)
Adrenal Gland/2	Vacuolation, multifocal in z. fasiculata (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 88
SEX: Male
DOSE GROUP: PFOS

MICROSCOPIC FINDINGS
(continued)

Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (minimal)
Thymus	Lymphoid atrophy - involution (minimal)
	No abnormalities found in: Kidney/1, Kidney/2, Testes/1, Testes/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 89

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (slight) Hepatocellular vacuolation (minimal)

Animal No: 90

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

Liver — Accentuated lobular pattern

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 90
SEX: Male
DOSE GROUP: PFOS

MACROSCOPIC FINDINGS
(continued)

No abnormalities were found in any of the other tissues examined

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (slight)
Single cell necrosis (minimal)
Midzonal/centrilobular hypertrophy, diffuse (moderate) (correlates to GROSS finding)
Hepatocellular vacuolation (slight) (correlates to GROSS finding)

Animal No: 91

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 18/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (slight)
Midzonal/centrilobular hypertrophy, diffuse (moderate)
Hepatocellular vacuolation (slight)

Animal No: 93

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 93
SEX: Male
DOSE GROUP: PFOS

MACROSCOPIC FINDINGS
(continued)

No findings noted

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (minimal)
Single cell necrosis (minimal)
Midzonal/centrilobular hypertrophy, diffuse (minimal)

Animal No: 94

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver

Inflammatory cell foci (slight)
Midzonal/centrilobular hypertrophy, diffuse (moderate)
Hepatocellular vacuolation (minimal)

Animal No: 95

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 06/10/98
date of end of treatment: 03/11/98
date of necropsy : 02/12/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 95
SEX: Male
DOSE GROUP: PFOS

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (slight)

Animal No: 177
SEX: Female

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (slight)
Kidney/2	Tubular atrophy, cortical (minimal)
Adrenal Gland/1	Extracapsular nodule present
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Thymus	Lymphoid atrophy - involution (minimal)

No abnormalities found in: Pancreas, Kidney/1, Ovary/1, Ovary/2, Adrenal Gland/2, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 178
SEX: Female
DOSE GROUP: PFOS

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Midzonal/centrilobular hypertrophy, diffuse (slight)
Kidney/2	Tubular atrophy, cortical (minimal) Interstitial inflammation, lymphocytic (minimal)
Adrenal Gland/1	Small glands, normal morphology.
Spleen	Hemosiderin pigment (minimal)

No abnormalities found in: Pancreas, Kidney/1, Ovary/1, Ovary/2, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 179

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ [illegible]/PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 179
SEX: Female
DOSE GROUP: PFOS

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate)
Spleen	Hemosiderin pigment (moderate)
	No abnormalities found in: Pancreas, Kidney/1, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 180

MACROSCOPIC FINDINGS

days of treatment : 28
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 04/11/98
date of necropsy : 05/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (slight) Midzonal/centrilobular hypertrophy, diffuse (minimal)
Kidney/1	Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
	No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ [illegible]/PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 181
SEX: Female
DOSE GROUP: PFOS

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (slight)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (moderate)

No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

Animal No: 182

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NQTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 182
SEX: Female
DOSE GROUP: PFOS

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)
	No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 183

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Single cell necrosis (minimal) Midzonal/centrilobular hypertrophy, diffuse (moderate)
Kidney/1	Interstitial inflammation, lymphocytic (minimal)
Spleen	Hemosiderin pigment (slight)
Mandibular Lymph Node/ 1	Plasmacytosis (slight)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ [illegible]/PFHS/PFOS
Test System : Exploratory 28-Day Gavage Study in Rats
Sponsor : 3M Toxicology Services

NOTOX no. : 242933
Propath no.: 99010
Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 183
SEX: Female
DOSE GROUP: PFOS

MICROSCOPIC FINDINGS
(continued)

No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/2.

Animal No: 184

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : terminal sacrifice
necropsy status : planned terminal
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 06/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Midzonal/centrilobular hypertrophy, diffuse (slight)
Kidney/1	Tubular atrophy, cortical (minimal)
Spleen	Hemopoiesis, primarily erythropoiesis (minimal) Hemosiderin pigment (slight)

No abnormalities found in: Pancreas, Kidney/2, Ovary/1, Ovary/2, Adrenal Gland/1, Adrenal Gland/2, Thymus, Mesenteric Lymph Node, Mandibular Lymph Node/1, Mandibular Lymph Node/2.

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 185
SEX: Female
DOSE GROUP: PFOS

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (minimal)

Animal No: 186

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (minimal)
Midzonal/centrilobular hypertrophy, diffuse (minimal)

Animal No: 187

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group
necropsy status : planned recovery
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 20/11/98

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 187
SEX: Female
DOSE GROUP: PFOS

MACROSCOPIC FINDINGS
(continued)

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (slight)
Single cell necrosis (minimal)

Animal No: 189

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (slight)
Single cell necrosis (minimal)

Animal No: 190

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver — Inflammatory cell foci (minimal)
Single cell necrosis (minimal)

BACK TO MAIN

Test Article: TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX no. : 242933
Test System : Exploratory 28-Day Gavage Study in Rats Propath no.: 99010
Sponsor : 3M Toxicology Services Date : 21.Apr.1999

Individual Animal Data Records

Animal No: 191
SEX: Female
DOSE GROUP: PFOS

MACROSCOPIC FINDINGS

days of treatment : 29
sacrifice group : recovery group 2
necropsy status : planned recovery 2
date of start of treatment: 08/10/98
date of end of treatment: 05/11/98
date of necropsy : 04/12/98

No findings noted

MICROSCOPIC FINDINGS

Liver	Inflammatory cell foci (minimal) Midzonal/centrilobular hypertrophy, diffuse (minimal)

BACK TO MAIN

3M Environmental Technology and Services

PO Box 33331
St. Paul, MN 55133-3331
612 778 6442

3M

Laboratory Report
Report of Data for
Exploratory 28-Day Oral Toxicity Study in Rats: Telomer Alcohol, Telomer Acrylate, , PFHS, PFOS

Laboratory Report No. FACT-TOX-120.3

Requester Project No. NOTOX #242933

Testing Laboratory

3M Environmental Technology & Safety Services
3M Environmental Laboratory
Fluorine Analytical Chemistry Team (FACT)
2-3E-09
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Requester

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220-2E-02
St. Paul, MN

Report issued 6/11/99

BACK TO MAIN

1 Introduction

This study was designed to preliminarily assess the toxicity of various test articles to the female Sprague Dawley rat. Test animals were dosed by oral gavage at the following levels:

Group 2: Telomer Alcohol	30 mg/kg/day
Group 3: Telomer Acrylate	30 mg/kg/day
Group 4:	30 mg/kg/day
Group 5: PFHS	10 mg/kg/day
Group 6: PFOS	3 mg/kg/day

Within each group, 8 animals were given test material each day for 28 days, and then sacrificed. Three animals were allowed to "recover" (no test material) for 14 days before sacrifice; three animals were allowed to recover for 28 days before sacrifice.

Liver samples collected from the sacrificed animals were sent to the Environmental Lab and analyzed quantitatively for perfluorooctane sulfonate (PFOS) and other perfluorinated, sulfonate-based or carboxylic – acid based metabolites. (A full list of acronyms and formulas is attached in Attachment B).

Tissue samples were homogenized (liver) and extracted using an ion-pairing extraction procedure. The extracts were quantitatively analyzed using high-pressure liquid chromatography/electrospray tandem mass spectrometry (HLPC/ESMSMS), and evaluated versus an extracted curve. Analytical details are available in the study binder maintained by FACT. The presence or absence of known fluorochemical contaminants and metabolites is determined by inspection.

Six perfluorinated carboxylic acids were identified in the liver sample extracts derived from both group 2 and group 3 animals (see Attachment D).

For group2 and group 3, livers from male and female animals in both groups of recovery animals showed a decrease in the concentration of POAA. The concentration of two other carboxylic acid based fluorochemicals measured quantitatively (M513, M613) did not show as significant a decrease over the recovery period. The concentrations of three other carboxylic acid-based compounds could not be determined, as standard material is not available. Other perfluorinated or partially-fluorinated metabolites may be present in the rat liver samples analyzed, but these compounds cannot be confirmed without standard material.

Relative to PFOS levels in the corresponding group 6 animals, (group 4) and PFHS (group 5) levels determined in liver samples showed a dramatic decrease in the day 14 and day 28 recovery groups. Within each group, samples showed a relatively large standard deviation which may indicate variability in dosing or in metabolism of the test compound.

With the exception of PFOS-dosed animals (group 6), there were dramatic differences in target analyte levels in livers of male and female animals. For example, livers from 14 day recovery group 5 females animals were determined to contain two and a half orders of magnitude less PFHS than the corresponding male animals.

Although rigorous quality control measures and 3M Environmental Laboratory Standard Operating Procedures were followed, the acquisition of this data was not necessarily collected according to applicable Good Laboratory Practices. This data is not suitable for distribution to any government agency in defense of product suitability or safety. Data presented here is the highest quality data available at this time.

This summary should not be considered to be a complete inventory of all metabolites associated with the test material. Analyte measurements were made only on those compounds deemed by FACT as likely to be present. Certain other compounds have been identified but cannot be quantitated as standard material is not available.

2 Sample Receipt

Liver samples arrived frozen at the Environmental Lab on 2/3/99. A chain-of-custody was not submitted with the samples, but was initiated upon receipt by the Environmental Lab.

3 Holding Times

There is no holding time criteria associated with these samples for LC/ESMSMS analysis.

4 Methods - Analytical and Preparatory

Analytical methods

FACT-M-1.0, Extraction of Potassium Perfluooctanesulfonate or Other Anionic Fluorochemical Surfactants from Liver for Analysis Using HPLC/ESMS
FACT-M-2.0, Analysis of Fluorochemicals in Liver Extract Using HPLC-Electrospray/Mass Spectrometry

Sample preparation – aqueous samples, HPLC/ESMSMS: ion-pairing extraction

Analyte is extracted from a sample matrix with ion pairing reagent [tetrabutyl ammonium hydrogen sulfate (TBA)] in a pH-controlled environment. The cationic reagent selectively targets anionic fluorochemicals. Once the anion-TBA pair is formed, the analyte is transferred into a non-polar organic solvent (methyl-*tert*-butyl ether), dried, and reconstituted in methanol for MS analysis.

HPLC/ESMS and HPLC/ESMSMS: for detailed qualitative work

In HPLC, an aliquot of extract is injected and passed through a reverse phase liquid chromatographic column. Based on the affinity of the analyte for the stationary phase in the column relative to the liquid mobile phase, the analyte is retained for a characteristic amount of time. For example, in a standard solution PFOS may elute at 5.0 minutes. Retention times between a standard PFOS solution and the analyte extracted from liver in this analysis were matched on the HPLC system to within 1%.

Following HPLC separation, ESMSMS provides a rapid and accurate means for analyzing a wide range of organic compounds, including fluorochemicals. Electrospray, an ionization technique used primarily for detection of molecular ions, is generally operated at relatively mild temperatures. Molecules are ionized, and a primary ion, characteristic of the analyte, is selected. This ion is bombarded with high-energy gas; subsequent collisions create smaller secondary ionic fragments unique to the primary ion, which are detected.

For example, for PFOS ($C_8F_{17}SO_3^-$) analysis, ion 499 is selected as the characteristic primary ion. This ion is fragmented into other ions such as 80 amu (corresponding to SO_3^-), and 230 amu ($C_3F_6SO_3^-$). Each of these secondary fragments is detected and can be used to differentiate PFOS from other compounds that might have the same characteristic 499 amu primary ion, but different chemical compositions and secondary ion fragmentation patterns.

5 Analysis

5.1 Calibration

A mid-level, extracted matrix calibration check standard is analyzed every 5-10 samples to monitor instrumental drift. Calibration check standards are compliant if instrumental response is within +/- 30% of the expected value.

Quantitation of the target analytes is based on linear regression analysis (weighted 1/x, if appropriate) of two extracted matrix curves bracketing each group of samples. Quantitation of each analyte is based in the response of one or more specific daughter ions using the multiple response-monitoring mode of the instrument.

5.2 Blanks

Two extraction blanks, utilizing water as surrogate matrix, are extracted with each batch of samples. Additionally, two samples of blank matrix, used for the extracted calibration curves, are extracted along with each batch of samples and curves.

Blanks are compliant if no target analyte is detected above the limit of detection for a specific analyte. In this study, all blanks were compliant.

5.3 Surrogates

Tetra-hydro perfluorooctane sulfonate is used as a surrogate in this analysis. Surrogate response is monitored to confirm gross instrumental failure, if necessary.

5.4 Matrix Spikes

Duplicate matrix spike analyses utilizing all target analytes were prepared and analyzed for one control animal. Except as noted in the results table, recoveries were within the acceptable range of 70-130%. Recoveries outside this range may be re-evaluated.

5.5 Laboratory Control Samples

Laboratory Control Samples are not a component of this study.

6 Data Summary

Six perfluorinated carboxylic acids were identified in the liver sample extracts derived from both Group 2 and Group3 animals (see Attachment D).

For group2 and group 3, livers from male and female animals in both groups of recovery animals showed a decrease in the concentration of POAA. The concentration of two other carboxylic acid based fluorochemicals measured quantitatively (M513, M613) did not show as significant a decrease over the recovery period. The concentrations of three other carboxylic acid-based compounds could not be determined, as standard material is not available. Other perfluorinated or partially-fluorinated metabolites may be present in the rat liver samples analyzed, but these compounds cannot be confirmed without standard material.

Relative to PFOS levels in the corresponding group 6 animals, (group 4) and PFHS (group 5) levels determined in liver samples showed a dramatic decrease in the day 14 and day 28 recovery groups. Within each group, samples showed a relatively large standard deviation which may indicate variability in dosing or in metabolism of the test compound.

With the exception of PFOS-dosed animals (group 6), there were dramatic differences in target analyte levels in livers of male and female animals. For example, livers from 14 day recovery group 5 females animals were determined to contain two and a half orders of magnitude less PFHS than the corresponding male animals.

7 Conclusion

These results indicate that ingestion of each of the test materials leads to some accumulation of metabolites in the liver. Relative rate of clearance can be determined.

BACK TO MAIN

8 Data / Sample Retention

Samples and extracts will be retained for future evaluation, if necessary.

9 Attachments

9.1 Attachment A: Table of Results of Analysis of Liver Samples
9.2 Attachment B: Table of FACT acronyms and formulas
9.3 Attachment C: Graphical Results by Group and Gender
9.4 Attachment D: Chromatographic results of PFCA investigation in Group2 and Group 3
9.5 Attachment E: Chain of Custody
9.6 Attachment F: Analytical Data

10 Signatures

Lisa A Clemen — 6/14/99
Lisa Clemen, Analytical Chemist — Date

Kris Hansen — 6/11/99
Kris Hansen, Ph.D., Principal Analytical Investigator — Date

3M Environmental Laboratory
Fluorine Analytical Chemistry Team (FACT)

FACT-TOX-120, Rat Livers
28-Day Oral Tox Study by Daily Gavage in Rats

PFOS ($C_8F_{17}SO_3^-$)

(Female)	Day 1	Day 14	Day28
G1	0.086 +/- 0.046	0.102 +/- 0.020	0.329 +/- 0.060
G6	377 +/- 31	240 +/- 25	191 +/- 15

(Male)	Day 1	Day 14	Day28
G1	0.133 +/- 0.030	0.255 +/- 0.122	0.099 +/- 0.007
G6	419 +/- 86	309 +/- 34	237 +/- 25

PFHS ($C_6F_{13}SO_3^-$)

(Female)	Day 1	Day 14	Day28
G1	< MDL	< MDL	< MDL
G5	97.0 +/- 14.7	0.26 +/- 0.12	0.03 +/- 0.01

(Male)	Day 1	Day 14	Day28
G1	0.055 +/- 0.020	0.129 +/- 0.088	0.089 +/- 0.019
G5	327 +/- 52	61.9 +/- 11.7	36.3 +/- 7.4

($^-$)

(Female)	Day 1	Day 14	Day28
G1	< MDL	< MDL	< MDL
G4	0.37 +/- 0.38	0.02 +/- 0.00	< MDL

(Male)	Day 1	Day 14	Day28
G1	< MDL	< MDL	< MDL
G4	3.09 +/- 1.58	0.126 +/- 0.084	0.025 +/- 0.015

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3M Environmental Laboratory
Fluorine Analytical Chemistry Team (FACT)

FACT-TOX-120, Rat Livers
28-Day Oral Tox Study by Daily Gavage in Rats

POAA ($C_7F_{15}CO_2^-$)

(Female)	Day 1	Day 14	Day28
G1	< MDL	< MDL	< MDL
G2	0.164 +/- 0.035	0.016 +/- 0.010	<MDL
G3	0.112 +/- 0.039	< MDL	< MDL
(Male)	**Day 1**	**Day 14**	**Day28**
G1	< MDL	< MDL	< MDL
G2	6.59 +/- 2.16	3.59 +/- 0.67	1.76 +/- 0.23
G3	8.64 +/- 1.48	3.36 +/- 1.65	1.26 +/- 0.44

M513 ($C_9F_{19}CO_2^-$)

(Female)	Day 1	Day 14	Day28
G1	< MDL	< MDL	< MDL
G2	1.69 +/- 0.18	1.36 +/- 0.02	2.24 +/- 0.22
G3	1.20 +/-0.30	1.20 +/- 0.09	0.812 +/- 0.188
(Male)	**Day 1**	**Day 14**	**Day28**
G1	< MDL	< MDL	< MDL
G2	1.91 +/- 0.88	1.73 +/- 0.46	1.52 +/- 0.32
G3	1.78 +/- 0.31	1.08 +/- 0.26	0.801 +/- 0.148

M613 ($C_{11}F_{23}CO_2^-$)

(Female)	Day 1	Day 14	Day28
G1	< MDL	< MDL	< MDL
G2	0.117 +/- 0.020	0.085 +/- 0.019	0.101 +/- 0.012
G3	0.029 +/- 0.017	0.035 +/- 0.015	0.036 +/- 0.011
(Male)	**Day 1**	**Day 14**	**Day28**
G1	< MDL	< MDL	< MDL
G2	0.087 +/- 0.015	0.107 +/- 0.041	0.106 +/- 0.017
G3	0.0622	< MDL	< MDL

** C9, C11 and C13 perfluorinated carboxylic acids also detected in G2 and G3 animals

BACK TO MAIN

Study:	TOX-120, Exploratory 28-Day Oral Toxicity Study by Daily Gavage in Rats		
Product Number(Test Substance):	T-7023, T-7024, T-7022, T-7032, T-6295		
Matrix:	Rat Liver	Filename:	See Attachments
Method/Revision:	FACT-M-1.0 & FACT-M-2.0	R-Squared Value:	See Attachments
Analytical Equipment System Number:	Soup 020199, Madeline 041096, Amelia 062498	Slope:	See Attachments
Instrument Software/Version:	MassLynx 3.1	Y-Intercept:	See Attachments
Date of Extraction/Analyst:	2/22/99 RWW/SAH		
Date of Analysis/Analyst:	02/23/99, 03/01/99, 03/11/99, 05/25/99 HOJ/MEE/DRB		
Date of Data Reduction/Analyst:	02/25/99, 03/08/99, 03/12/99, 05/26/99 MEE/DRB/KJH/HOJ		

Sample Data

RAT LIVER

Group Dose	Sample #	Extracted Wt. g	PFOS Calc. Conc. ng/g	Total Amount of PFOS ng/g	Average PFOS ng/g	RSD Std. Dev.	POAA Calc. Conc. ng/g	Total Amount of POAA ng/g	Average POAA ng/g	RSD Std. Dev.	Calc. Conc. ng/g	Total Amount of ng/g	Average ng/g	RSD Std. Dev.
Method Blk	H2O Blk-1	NA	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
Method Blk	H2O Blk-2	NA	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Matrix Blk	Rabbit Liver Blk-1	NA	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
Matrix Blk	Rabbit Liver Blk-2	NA	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
QC - 250 ppb	106F	0.9240	258	86%			219	73%			122	41%		
	109F	0.9240	250	84%	85%	3%	267	89%	81%	20%	193	65%	53%	46%
QC - 250 ppb	110F	0.9242	69	23%			222.90	75%			122	41%		
	110F	0.9242	99	33%	28%	36%	172.72	58%	66%	25%	193	65%	53%	46%
Group 1	97F	0.5221	190	0.190			0.00	<MDL			0.00	<10 ppb		
0.0 mg/kg/day	98F	0.4339	67.2	0.0672			0.00	<MDL			0.00	<10 ppb		
Control	99F	0.3106	78.1	0.0781			0.00	<MDL			#VALUE!	NR		
	100F	0.5984	64.9	0.0649			0.00	<MDL			0.00	<10 ppb		
	101F	0.6370	9007	9.01	*	53.4*	0.00	<MDL			0.00	<10 ppb		
	102F	0.4313	76.5	0.0765	0.0863*	0.0461*	0.00	<MDL			0.00	<10 ppb		
	103F	0.4981	65.5	0.0655		263	0.00	<MDL			#VALUE!	NR		
	104F	0.8116	62.0	0.0620	1.20	3.15	0.00	<MDL	<MDL	<MDL	#VALUE!	NR	NR	NR
Group 1	105F	0.6936	119	0.119			0.00	<MDL			#VALUE!	NR		
0.0 mg/kg/day	106F	0.9240	106	0.106		19.2	0.00	<MDL			#VALUE!	NR		
Recovery 1 - 14 Days	107F	0.4359	80.6	0.0806	0.102	0.0196	0.00	<MDL	<MDL	<MDL	#VALUE!	NR	NR	NR
Group 1	109F	0.4180	344	0.344			0.00	<MDL			#VALUE!	NR		
0.0 mg/kg/day	110F	0.9242	379	0.379		18.2	0.00	<MDL			#VALUE!	NR		
Recovery 2 - 28 Days	111F	0.9429	263	0.263	0.329	0.0597	0.00	<MDL	<MDL	<MDL	#VALUE!	NR	NR	NR
Group 2	113F	0.3506	41.2	0.0412			135	0.135			#VALUE!	NR		
30.0 mg/kg/day	114F	0.6495	33.7	0.0337			115	0.115			#VALUE!	NR		
Telomer Alcohol	115F	0.6769	37.1	0.0371			163	0.163			#VALUE!	NR		
	116F	0.7235	36.6	0.0366			160	0.160			#VALUE!	NR		
	117F	0.6534	81.6	0.0816			185	0.185			#VALUE!	NR		
	118F	0.4162	56.9	0.0569			196	0.196			#VALUE!	NR		
	119F	0.5791	38.0	0.0380		38.6	223	0.223		21.5	#VALUE!	NR		
	120F	0.4295	29.5	0.0295	0.0443	0.0171	139	0.139	0.164	0.0354	#VALUE!	NR	NR	NR
Group 2	121F	0.8372	35.6	0.0356			24.5	0.0245			#VALUE!	NR		
30.0 mg/kg/day	122F	0.6291	35.4	0.0354		17.3	4.53	0.00453		65.4	#VALUE!	NR		
Recovery 1 - 14 Days	123F	0.5660	47.3	0.0473	0.0394	0.00684	17.4	0.0174	0.0155	0.0101	#VALUE!	NR	NR	NR
Group 2	125F	0.8074	45.2	0.0452			0	<MDL			#VALUE!	NR		
30.0 mg/kg/day	126F	0.9812	58.5	0.0585		12.8	0	<MDL			#VALUE!	NR		
Recovery 2 - 28 Days	127F	0.6086	52.0	0.0520	0.0519	0.00667	0	<MDL	<MDL	<MDL	#VALUE!	NR	NR	NR
Group 3	129F	0.4261	34.2	0.0342			66.5	0.0665			#VALUE!	NR		
30.0 mg/kg/day	130F	0.3012	38.4	0.0384			105	0.105			#VALUE!	NR		
Telomer Acrylate	131F	0.7303	51.6	0.0516			95.0	0.0950			#VALUE!	NR		
	132F	0.5990	41.5	0.0415			166	0.166			#VALUE!	NR		
	133F	0.3811	49.6	0.0496			124	0.124			#VALUE!	NR		
	134F	0.6131	45.2	0.0452			90.6	0.0906			#VALUE!	NR		
	135F	0.5369	35.7	0.0357		15.0	170	0.170		35.0	#VALUE!	NR		
	136F	0.5799	46.8	0.0468	0.0429	0.00644	75.1	0.0751	0.112	0.0390	#VALUE!	NR	NR	NR
Group 3	137F	0.8084	17.9	0.0179			0.00	<MDL			#VALUE!	NR		
30.0 mg/kg/day	138F	0.6235	19.4	0.0194		53.9	0.00	<MDL			#VALUE!	NR		
Recovery 1 - 14 Days	139F	0.5680	43.9	0.0439	0.0271	0.0146	0.00	<MDL	<MDL	<MDL	#VALUE!	NR	NR	NR
Group 3	141F	0.6693	42.4	0.0424			0.00	<MDL			#VALUE!	NR		
30.0 mg/kg/day	142F	0.7953	41.3	0.0413		2.70	0.00	<MDL			#VALUE!	NR		
Recovery 2 - 28 Days	143F	0.7383	40.2	0.0402	0.0413	0.00112	0.00	<MDL	<MDL	<MDL	#VALUE!	NR	NR	NR

Limit of Quantitation (LOQ): PFOS = 5 ng/g, POAA = 10 ng/g, M513 = 50 & 100 ng/g, M613 = 50 ng/g
Method Detection Limit (MDL): PFOS = 2.5 ng/g, POAA = 5 ng/g, M513 = 25 and 50 ng/g, M613 = 25 ng/g

* Value was determined an outlier and was not included in these calculations.
NR = Not Reported
N/A = Not Applicable
PFOS = Perfluorooctanesulfonate
POAA = Perfluorooctanoate
M513 = $C_9F_{19}COO^-$
M613 = $C_{11}F_{23}COO^-$

Date Entered/Analyst: 02/26/99, 03/08/99, 03/22/99, 05/26/99 LAC
Date Verified/Analyst: 06/08/99, 06/09/99 RAD

FACT-TOX-120

28-Day Oral Tox Study by Daily Gavage in Rats

Study:	TOX-120, Exploratory 28-Day Oral Toxicity Study by Daily Gavage in Rats
Product Number(Test Substance):	T-7023, T-7024, T-7022, T-7032, T-6295
Matrix:	Rat Liver
Method/Revision:	FACT-M-1.0 & FACT-M-2.0
Analytical Equipment System Number:	Soup 020199, Madeline 041098; Amelia 062498
Instrument Software/Version:	MassLynx 3.1
Date of Extraction/Analyst:	2/22/99 RWW/SAH
Date of Analysis/Analyst:	02/23/99, 03/01/99, 03/11/99, 05/25/99 HOJ/MEB/DRB
Date of Data Reduction/Analyst:	02/25/99, 03/08/99, 03/12/99, 05/26/99 MEB/DRB/KJH/HOJ
Filename:	See list to right
R-Squared Value:	See Attachments
Slope:	See Attachments
Y-Intercept:	See Attachments

Sample Data

RAT LIVER

Group Dose	Sample #	Extracted Wt. g	PFHS Calc. Conc. ng/g	Total Amount of PFHS ng/g	Average PFHS ng/g	RSD Std. Dev.	M513 Calc. Conc. ng/g	Total Amount of M513 ng/g	Average M513 ng/g	RSD Std. Dev.	M613 Calc. Conc. ng/g	Total Amount of M613 ng/g	Average M613 ng/g	RSD Std. Dev.
Method Blk	H2O Blk-1	NA	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
Method Blk	H2O Blk-2	NA	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Matrix Blk	Rabbit Liver Blk-1	NA	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
Matrix Blk	Rabbit Liver Blk-2	NA	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
QC - 250 ppb	105F	0.9240	1150	384%			276	92%			267	89%		
	106F	0.9240	1041	348%	366%	10%	282	94%	93%	2%	314	105%	97%	10%
QC - 250 ppb	110F	0.9242	0.00	0%			179	60%			272	91%		
	110F	0.9242	0.00	0%	0%	#DIV/0!	162	54%	57%	10%	241	81%	86%	12%
Group 1	97F	0.5221	0.00	NR			0.00	<MDL			0.00	<MDL		
0.0 mg/kg/day	98F	0.4339	0.00	NR			0.00	<MDL			0.00	<MDL		
Control	99F	0.3106	0.00	NR			0.00	<MDL			0.00	<MDL		
	100F	0.5984	0.00	NR			0.00	<MDL			0.00	<MDL		
	101F	0.6370	0.00	NR			0.00	<MDL			6.86	<MDL		
	102F	0.4313	0.00	NR			0.00	<MDL			0.00	<MDL		
	103F	0.4981	0.00	NR			0.00	<MDL			0.00	<MDL		
	104F	0.8116	0.00	NR	NR	NR	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 1	105F	0.6936	0.00	NR			0.00	<MDL			0.00	<MDL		
0.0 mg/kg/day	106F	0.9240	0.00	NR			0.00	<MDL			0.00	<MDL		
Recovery 1 - 14 Days	107F	0.4359	0.00	NR	NR	NR	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 1	109F	0.4180	0.00	NR			0.00	<MDL			0.00	<MDL		
0.0 mg/kg/day	110F	0.9242	0.00	NR			0.00	<MDL			0.00	<MDL		
Recovery 2 - 28 Days	111F	0.9429	0.00	NR	NR	NR	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 2	113F	0.3506	0.00	NR			1950	1.95	**		142	0.142		
30.0 mg/kg/day	114F	0.6495	0.00	NR			1792	1.79	**		121	0.121		
Telomer Alcohol	115F	0.6769	0.00	NR			1816	1.82	**		146	0.146		
	116F	0.7235	0.00	NR			1671	1.67	**		112	0.112		
	117F	0.8534	0.00	NR			1556	1.56	**		120	0.120		
	118F	0.4162	0.00	NR			1353	1.35	**		105	0.105		
	119F	0.5791	0.00	NR			1641	1.64	**	10.7	106	0.106		17.3
	120F	0.4295	0.00	NR	NR	NR	1718	1.72	1.69	0.181	83.6	0.0836	0.117	0.0203
Group 2	121F	0.8372	0.00	NR			1338	1.34	**		103	0.103		
30.0 mg/kg/day	122F	0.6291	0.00	NR			1366	1.37	**	1.12	65.5	0.0655		22.3
Recovery 1 - 14 Days	123F	0.5660	0.00	NR	NR	NR	1361	1.36	1.36	0.02	85.0	0.0850	0.0846	0.0188
Group 2	125F	0.8074	0.00	NR			2396	2.40			97.4	0.0974		
30.0 mg/kg/day	126F	0.9812	0.00	NR			2323	2.32		9.65	114	0.114		11.8
Recovery 2 - 28 Days	127F	0.6086	0.00	NR	NR	NR	1991	1.99	2.24	0.216	90.5	0.0905	0.101	0.0119
Group 3	129F	0.4261	0.00	NR			1015	1.01			21.9	0.0219		
30.0 mg/kg/day	130F	0.3012	0.00	NR			1446	1.45			32.8	0.0328		
Telomer Acrylate	131F	0.7303	0.00	NR			872	0.872			27.2	0.0272		
	132F	0.5990	0.00	NR			1444	1.44			30.7	0.0307		
	133F	0.3811	0.00	NR			785	0.785			4.74	0.0047		
	134F	0.6131	0.00	NR			1125	1.12			64.4	0.0644		
	135F	0.5369	0.00	NR			1646	1.65		25.3	25.9	0.0259		58.2
	136F	0.5799	0.00	NR	NR	NR	1252	1.25	1.20	0.303	22.7	0.0227	0.0288	0.0168
Group 3	137F	0.8084	0.00	NR			1198	1.20			19.3	0.0193		
30.0 mg/kg/day	138F	0.6235	0.00	NR			1302	1.30		7.87	36.4	0.0364		43.3
Recovery 1 - 14 Days	139F	0.5680	0.00	NR	NR	NR	1113	1.11	1.20	0.0948	49.7	0.0497	0.0351	0.0152
Group 3	141F	0.6695	0.00	NR			1014	1.01			43.3	0.0433		
30.0 mg/kg/day	142F	0.7953	0.00	NR			782	0.782		23.2	41.3	0.0413		29.7
Recovery 2 - 28 Days	143F	0.7383	0.00	NR	NR	NR	640	0.640	0.812	0.188	23.8	0.0238	0.0361	0.0107

Limit of Quantitation (LOQ): PFOS = 5 ng/g, POAA = 10 ng/g, M513 = 5
Method Detection Limit (MDL): PFOS = 2.5 ng/g, POAA = 5 ng/g, M513

** Tentative values, need 1:5 Dilutions
NR = Not Reported
N/A = Not Applicable
PFOS = Perfluorooctanesulfonate
POAA = Perfluorooctanoate
M513 = C9F19COO-
M613 = C11F23COO-

Date Entered/Analyst: 03/26/99, 03/08/99, 03/22/99, 05/26/99 LA
Date Verified/Analyst: 06/08/99, 06/09/99 EAD

28-Day Oral Tox Study by Daily Gavage in Rats

Study:	TOX-120, Exploratory 28-Day Oral Toxicity Study by Daily Gavage in Rats		
Product Number(Test Substance):	T-7023, T-7024, T-7022, T-7032, T-6295		
Matrix:	Rat Liver	Filename:	See Attachments
Method/Revision:	FACT-M-1.0 & FACT-M-2.0	R-Squared Value:	See Attachments
Analytical Equipment System Number:	Madeline 041096, Amelia 062498, and Soup 020199	Slope:	See Attachments
Instrument Software/Version:	MassLynx 3.1	Y-Intercept:	See Attachments
Date of Extraction/Analyst:	2/22/99 RWW/BAH		
Date of Analysis/Analyst:	02/24/99, 03/11/99, 03/16/99, 05/25/99 HOJ/MEE/DRB		
Date of Data Reduction/Analyst:	03/09/99, 03/12/99; 03/17/99, 05/26/99 DRB/KJH/HOJ		

Sample Data

RAT LIVER

Group Dose	Sample #	Extracted Wt. g	PFOS Calc. Conc. ng/g	Total Amount of PFOS ng/g	Average PFOS ng/g	RSD Std. Dev.	POAA Calc. Conc. ng/g	Total Amount of POAA ng/g	Average POAA ng/g	RSD Std. Dev.	Calc. Conc. ng/g	ng/g	ng/g	RSD Std. Dev.
Method Blk	H2O Blk-1	NA	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
Method Blk	H2O Blk-2	NA	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Matrix Blk	Rabbit Liver Blk-1	NA	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
Matrix Blk	Rabbit Liver Blk-2	NA	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
QC - 250 ppb	106F	0.9240	258	86%			219	73%			122	41%		
	106F	0.9240	250	84%	85%	0.0304	267	89%	81%	0.199	193	65%	53%	0.456
QC - 250 ppb	110F	0.9242	69	23%			223	75%			122	41%		
	110F	0.9242	99	33%	28%	0.356	173	58%	66%	0.254	193	65%	53%	0.456
Group 4	145F	0.3643	144	0.144			0.00	<MDL			140	0.140		
30.0 mg/kg/day	146F	0.4113	118.7	0.1187			0.00	<MDL			80.91	0.0809		
	147F	0.4457	90.2	0.0902			0.00	<MDL			184	0.184		
	148F	0.4699	130	0.130			0.00	<MDL			328	0.328		
	149F	0.6097	102.7	0.1027			0.00	<MDL			1190	1.19		
	150F	0.6416	103.0	0.1030			0.00	<MDL			0.00	<MDL		
	151F	0.5476	150	0.150		17.8	0.00	<MDL			298	0.298		101
	152F	0.6341	111.6	0.1116	0.1188	0.0211	0.00	<MDL	<MDL	<MDL	401	0.401	0.375	0.377
Group 4	153F	0.8578	77.6	0.0776			0.00	<MDL			16.34	0.0163		
30.0 mg/kg/day	154F	0.7221	135	0.135		36.9	0.00	<MDL			14.60	0.0146		11.9
Recovery 1 - 14 Days	155F	0.8019	71.7	0.0717	0.0948	0.0350	0.00	<MDL	<MDL	<MDL	18.52	0.0185	0.0165	0.00196
Group 4	157F	0.8181	162	0.162			0.00	<MDL			8.69	0.00869		
30.0 mg/kg/day	158F	0.5430	96.8	0.0968		26.8	0.00	<MDL			0.00	NR		#DIV/0!
Recovery 2 - 28 Days	159F	0.9196	162	0.162	0.140	0.0376	0.00	<MDL	<MDL	<MDL	0.00	NR	0.00869	#DIV/0!
Group 5	161F	0.9899	99.1	0.0991			0.00	<MDL			0.00	NR		
10.0 mg/kg/day	162F	0.6884	64.7	0.0647			0.00	<MDL			0.00	NR		
PFHS	163F	0.8107	77.2	0.0772			0.00	<MDL			0.00	NR		
	164F	0.4779	117.6	0.1176			0.00	<MDL			0.00	NR		
	165F	0.7719	74.2	0.0742			0.00	<MDL			0.00	NR		
	166F	0.4252	72.7	0.0727			0.00	<MDL			0.00	NR		
	167F	0.4732	120.7	0.121		23.6	0.00	<MDL			0.00	NR		
	168F	0.6378	90.3	0.0903	0.0896	0.0212	0.00	<MDL	<MDL	<MDL	0.00	NR	NR	NR
Group 5	169F	0.5394	65.9	0.0659			0.00	<MDL			0.00	NR		
10.0 mg/kg/day	170F	0.7757	63.5	0.0635		23.2	0.00	<MDL			0.00	NR		
Recovery 1 - 14 Days	171F	0.5671	41.8	0.0418	0.0571	0.0133	0.00	<MDL	<MDL	<MDL	0.00	NR	NR	NR
Group 5	173F	0.8766	56.5	0.0565			0.00	<MDL			0.00	NR		
10.0 mg/kg/day	174F	0.7937	48.5	0.0485		50.0	0.00	<MDL			0.00	NR		
Recovery 2 - 28 Days	175F	0.4626	115.9	0.116	0.0736	0.0368	0.00	<MDL	<MDL	<MDL	0.00	NR	NR	NR
Group 6	177F	0.7852	365911	366			0.00	<MDL			0.00	NR		
3.0 mg/kg/day	178F	0.4423	383078	383			0.00	<MDL			0.00	NR		
PFOS	179F	0.5462	386730	387			0.00	<MDL			0.00	NR		
	180F	0.8106	383395	383			0.00	<MDL			0.00	NR		
	181F	0.7104	422128	422			0.00	<MDL			0.00	NR		
	182F	0.5940	406283	406			0.00	<MDL			0.00	NR		
	183F	0.8512	343202	343		8.39	0.00	<MDL			0.00	NR		
	184F	0.8207	325352	325	377	31.6	0.00	<MDL	<MDL	<MDL	0.00	NR	NR	NR
Group 6	185F	1.0570	218167	218			0.00	<MDL			0.00	NR		
3.0 mg/kg/day	186F	0.8345	267864	268		10.5	0.00	<MDL			0.00	NR		
Recovery 1 - 14 Days	187F	0.7568	235351	235	240	25.2	0.00	<MDL	<MDL	<MDL	0.00	NR	NR	NR
Group 6	189F	0.8789	182148	182			0.00	<MDL			0.00	NR		
3.0 mg/kg/day	190F	0.6882	183230	183		7.72	0.00	<MDL			0.00	NR		
Recovery 2 - 28 Days	191F	0.9180	208253	208	191	14.8	0.00	<MDL	<MDL	<MDL	0.00	NR	NR	NR

Limit of Quantitation (LOQ): PFOS = 5 & 25 ng/g, POAA = 25 ng/g, = 10 ng/g, PFHS = 6 ng/g, M513 = 100 ng/g, M613 = 10 ng/g

Method Detection Limit (MDL): PFOS = 2.5 & 12.5 ng/g, POAA = 12.5 ng/g, = 5 ng/g, PFHS = 3 ng/g, M513 = 50 ng/g, M613 = 5 ng/g

NR = Not Reported
N/A = Not Applicable
PFOS = Perfluorooctanesulfonate
POAA = Perfluorooctanoate
PFHS = Perfluorohexanesulfonate
M513 = C9F19COO-
M613 = C11F23COO-

Data Entered/Analyst: 02/26/99, 03/10/99, 03/17/99, 03/22/9, 05/26/99 LAC
Data Verified/Analyst: 06/08/99, 06/09/99 EAD

28-Day Oral Tox Study by Daily Gavage in Rats

BACK TO MAIN

Study: TOX-120, Exploratory 28-Day Oral Toxicity Study by Daily Gavage in Rats
Product Number(Test Substance): T-7023, T-7024, T-7022, T-7032, T-6295
Matrix: Rat Liver
Method/Revision: FACT-M-1.0 & FACT-M-2.0
Analytical Equipment System Number: Madeline 041098, Amelia 062498, and Soup 020199
Instrument Software/Version: MassLynx 3.1
Date of Extraction/Analyst: 2/22/99 RWW/SAH
Date of Analysis/Analyst: 02/24/99, 03/11/99, 03/16/99, 05/25/99 HOJ/MEE/DRB
Date of Data Reduction/Analyst: 03/09/99, 03/12/99, 03/17/99, 05/26/99 DRB/KJH/HOJ
Filename: See list to right
R-Squared Value: See Attachments
Slope: See Attachments
Y-Intercept: See Attachments

Sample Data

RAT LIVER

Group Dose	Sample #	Extracted Wt. g	PFHS Calc. Conc. ng/g	Total Amount of PFHS ng/g	Average PFHS ng/g	RSD Std. Dev.	M513 Calc. Conc. ng/g	Total Amount of M513 ng/g	Average M513 ng/g	RSD Std. Dev.	M613 Calc. Conc. ng/g	Total Amount of M613 ng/g	Average M613 ng/g	RSD Std. Dev.
Method Blk	H2O Blk-1	NA	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
Method Blk	H2O Blk-2	NA	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Matrix Blk	Rabbit Liver Blk-1	NA	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
Matrix Blk	Rabbit Liver Blk-2	NA	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
QC - 250 ppb	106F	0.9240	0	0%			276	92%			267	89%		
	106F	0.9240	0	0%	0%	#DIV/0!	282	94%	93%	0.0205	314	105%	97%	0.161
QC - 250 ppb	110F	0.9242	0	0%			179	60%			272	91%		
	110F	0.9242	0	0%	0%	#DIV/0!	162	54%	57%	0.103	241	81%	86%	0.123
Group 4	145F	0.3643	0.00	NR			0.00	<MDL			0.00	<MDL		
30.0 mg/kg/day	146F	0.4113	0.00	NR			0.00	<MDL			0.00	<MDL		
	147F	0.4457	0.00	NR			0.00	<MDL			0.00	<MDL		
	148F	0.4699	0.00	NR			0.00	<MDL			0.00	<MDL		
	149F	0.6097	0.00	NR			0.00	<MDL			0.00	<MDL		
	150F	0.6416	0.00	NR			0.00	<MDL			0.00	<MDL		
	151F	0.5476	0.00	NR			0.00	<MDL			0.00	<MDL		
	152F	0.6341	0.00	NR	NR	NR	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 4	153F	0.8578	0.00	NR			0.00	<MDL			0.00	<MDL		
30.0 mg/kg/day	154F	0.7221	0.00	NR			0.00	<MDL			0.00	<MDL		
Recovery 1 - 14 Days	155F	0.8019	0.00	NR	NR	NR	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 4	157F	0.8181	0.00	NR			0.00	<MDL			0.00	<MDL		
30.0 mg/kg/day	158F	0.5430	0.00	NR			0.00	<MDL			0.00	<MDL		
Recovery 2 - 28 Days	159F	0.9196	0.00	NR	NR	NR	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 5	161F	0.9899	84556	84.6			0.00	<MDL			0.00	<MDL		
10.0 mg/kg/day	162F	0.6884	108196	108			0.00	<MDL			0.00	<MDL		
PFHS	163F	0.8107	94742	94.7			0.00	<MDL			0.00	<MDL		
	164F	0.4779	91925	91.9			0.00	<MDL			0.00	<MDL		
	165F	0.7719	116992	117			0.00	<MDL			0.00	<MDL		
	166F	0.4252	89141	89.1			0.00	<MDL			0.00	<MDL		
	167F	0.4732	114702	115		15.2	0.00	<MDL			0.00	<MDL		
	168F	0.6378	76152	76.2	97.1	14.7	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 5	169F	0.5394	393	0.393			0.00	<MDL			0.00	<MDL		
10.0 mg/kg/day	170F	0.7757	169	0.169		44.2	0.00	<MDL			0.00	<MDL		
Recovery 1 - 14 Days	171F	0.5671	226	0.226	0.263	0.116	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 5	173F	0.8766	37.2	0.0372			0.00	<MDL			0.00	<MDL		
10.0 mg/kg/day	174F	0.7937	27.2	0.0272		15.7	0.00	<MDL			0.00	<MDL		
Recovery 2 - 28 Days	175F	0.4626	31.6	0.0316	0.0320	0.00502	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 6	177F	0.7852	0.00	NR			0.00	<MDL			0.00	<MDL		
3.0 mg/kg/day	178F	0.4423	0.00	NR			0.00	<MDL			0.00	<MDL		
PFOS	179F	0.5462	0.00	NR			0.00	<MDL			0.00	<MDL		
	180F	0.8106	0.00	NR			0.00	<MDL			0.00	<MDL		
	181F	0.7104	0.00	NR			0.00	<MDL			0.00	<MDL		
	182F	0.5940	0.00	NR			0.00	<MDL			0.00	<MDL		
	183F	0.8512	0.00	NR			0.00	<MDL			0.00	<MDL		
	184F	0.8207	0.00	NR	NR	NR	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 6	185F	1.0570	0.00	NR			0.00	<MDL			0.00	<MDL		
3.0 mg/kg/day	186F	0.8345	0.00	NR			0.00	<MDL			0.00	<MDL		
Recovery 1 - 14 Days	187F	0.7568	0.00	NR	NR	NR	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 6	189F	0.8789	0.00	NR			0.00	<MDL			0.00	<MDL		
3.0 mg/kg/day	190F	0.6882	0.00	NR			0.00	<MDL			0.00	<MDL		
Recovery 2 - 28 Days	191F	0.9180	0.00	NR	NR	NR	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL

Limit of Quantitation (LOQ): PFOS = 5 & 25 ng/g, POAA = 25 ng/g.
Method Detection Limit (MDL): PFOS = 2.5 & 12.5 ng/g, POAA = 12.5 n

NR = Not Reported
N/A = Not Applicable
PFOS = Perfluorooctanesulfonate
POAA = Perfluorooctanoate

PFHS = Perfluorohexanesulfonate
M513 = C9F19COO-
M613 = C11F23COO-

Data Entered/Analyst: 02/26/99, 03/10/99, 03/17/99, 03/22/9, 05/2
Data Verified/Analyst: 06/08/99, 06/09/99 EAD

28-Day Oral Tox Study by Daily Gavage in Rats

BACK TO MAIN

Study:	TOX-120, Exploratory 28-Day Oral Toxicity Study by Daily Gavage in Rats
Product Number(Test Substance):	T-7023, T-7024, T-7022, T-7032, T-6295
Matrix:	Rat Liver
Method/Revision:	FACT-M-1.0 & FACT-M-2.0
Analytical Equipment System Number:	Madeline 041098, Soup 020199
Instrument Software/Version:	MassLynx 3.2
Date of Extraction/Analyst:	04/19/99 RWW/JCP/SAH
Date of Analysis/Analyst:	04/20/99, 05/14/99, 05/25/99 HOJ/DRB?
Date of Data Reduction/Analyst:	04/22/99, 05/05/99, 05/18/99, 05/26/99 KJH/MEE/DRB/HOJ

Filename: See Attachments
R-Squared Value: See Attachments
Slope: See Attachments
Y-Intercept: See Attachments

Sample Data

RAT LIVER

Group Dose	Sample #	Extracted Wt. g	PFOS Calc. Conc. ng/g	Total Amount of PFOS ng/g	Average PFOS ng/g	RSD Std. Dev.	POAA Calc. Conc. ng/g	Total Amount of POAA ng/g	Average POAA ng/g	RSD Std. Dev.	Calc. Conc. ng/g	Total Amount of ng/g	Average ng/g	RSD Std. Dev.
Method Blk	H2O Blk-1	0.00	<MDL	<MDL			<MDL	<MDL			NR	NR		
0	H2O Blk-2	0.00	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	NR	NR	NR	NR
Matrix Blk	Rabbit Liver Blk-1	0.00	<MDL	<MDL			#DIV/0!	#DIV/0!			NR	NR		
0	Rabbit Liver Blk-2	0.00	<MDL	<MDL	<MDL	<MDL	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	NR	NR	NR	NR
QC - 250 ppb	3M-MS	0.9162	274	92%			254	85%			#VALUE!	NR		
	3M-MSD	0.9162	286	96%	94%	4%	260	87%	86%	2%	#VALUE!	NR	NR	NR
QC - 250 ppb	6M-MS	0.9098	319	107%			299.93	100%			#VALUE!	NR		
	6M-MSD	0.9098	308	103%	105%	4%	310.30	104%	102%	3%	#VALUE!	NR	NR	NR
QC - 250 ppb	13M-MS	1.0701	289	97%			344.99	115%			#VALUE!	NR		
	13M-MSD	1.0701	291	97%	97%	0.0	312.71	105%	110%	0.10	#VALUE!	NR	NR	NR
Group 1	1M	0.6518	178	0.178			0.00	<MDL			#VALUE!	NR		
0.0 mg/kg/day	2M	0.6999	129	0.129			0.00	<MDL			#VALUE!	NR		
Control	3M	0.9162	102	0.102			0.00	<MDL			#VALUE!	NR		
	4M	0.6826	124	0.124			0.00	<MDL			#VALUE!	NR		
	5M	0.8920	104	0.104			0.00	<MDL			#VALUE!	NR		
	6M	0.9098	138	0.138			0.00	<MDL			#VALUE!	NR		
	7M	0.8965	127	0.127		20	0.00	<MDL			#VALUE!	NR		
	8M	0.8267	165	0.165	0.133	0.03	0.00	<MDL	#DIV/0!	#DIV/0!	#VALUE!	NR	NR	NR
Group 1	9M	0.6344	115	0.115			0.00	<MDL			#VALUE!	NR		
0.0 mg/kg/day	10M	0.6972	339	0.339		47.8	0.00	<MDL			#VALUE!	NR		
Recovery 1 - 14 Days	11M	0.8504	312	0.3119	0.255	0.1220	0.00	<MDL	#DIV/0!	#DIV/0!	#VALUE!	NR	NR	NR
Group 1	13M	1.0701	94.3	0.094			0.00	<MDL			#VALUE!	NR		
0.0 mg/kg/day	14M	0.9044	107	0.107		6.97	0.00	<MDL			#VALUE!	NR		
Recovery 2 - 28 Days	15M	0.8511	95.7	0.096	0.099	0.0069	0.00	<MDL	#DIV/0!	#DIV/0!	#VALUE!	NR	NR	NR
Group 2	17M	1.0503	54.5	0.0545			5077	5.08			#VALUE!	NR		
30.0 mg/kg/day	18M	0.9993	40.2	0.0402			3485	3.49			#VALUE!	NR		
Telomer Alcohol	19M	0.5839	39.7	0.0397			8366	8.37			#VALUE!	NR		
	20M	0.5331	36.6	0.0366			7980	7.98			#VALUE!	NR		
	21M	0.7957	34.6	0.0346			4944	4.94			#VALUE!	NR		
	22M	1.0663	25.9	0.0259			7045	7.04			#VALUE!	NR		
	23M	0.7248	19.2	0.0192		30.6	5783	5.78		32.7	#VALUE!	NR		
	24M	0.5990	29.0	0.0290	0.0350	0.0107	10045	10.0	6.59	2.16	#VALUE!	NR	NR	NR
Group 2	25M	0.5618	52.9	0.0529			4197	4.20			#VALUE!	NR		
30.0 mg/kg/day	26M	0.7356	26.0	0.0260		14.8	3712	3.71		18.6	#VALUE!	NR		
Recovery 1 - 14 Days	27M	0.9176	25.5	0.0255	0.0281	0.00416	2873	2.87	3.59	0.669	#VALUE!	NR	NR	NR
Group 2	29M	0.9513	44.9	0.0449			1589	1.59			#VALUE!	NR		
30.0 mg/kg/day	30M	1.0855	93.8	0.0938		57.6	1662	1.66		13.3	#VALUE!	NR		
Recovery 2 - 28 Days	31M	0.9514	31.7	0.0317	0.0568	0.03272	2026	2.03	1.76	0.234	#VALUE!	NR	NR	NR
Group 3	33M	0.6489	70.4	0.0704			6005	6.01			#VALUE!	NR		
30.0 mg/kg/day	34M	0.6715	50.9	0.0509			10328	10.3			#VALUE!	NR		
Telomer Acrylate	35M	0.5880	65.2	0.0652			8091	8.09			#VALUE!	NR		
	36M	0.9225	58.0	0.0580			8559	8.56			#VALUE!	NR		
	37M	0.5915	76.2	0.0762			8463	8.46			#VALUE!	NR		
	38M	0.5744	48.7	0.0487			10095	10.1			#VALUE!	NR		
	39M	0.7240	80.6	0.0806		22.3	7591	7.59		17.1	#VALUE!	NR		
	40M	0.6670	92.5	0.0925	0.0678	0.01515	10021	10.0	8.64	1.48	#VALUE!	NR	NR	NR
Group 3	41M	1.0153	41.4	0.0414			4781	4.78			#VALUE!	NR		
30.0 mg/kg/day	42M	0.7343	64.5	0.0645		22.5	1545	1.55		49.2	#VALUE!	NR		
Recovery 1 - 14 Days	43M	0.9065	49.9	0.0499	0.0519	0.0117	3764	3.76	3.36	1.65	#VALUE!	NR	NR	NR
Group 3	45M	1.0667	59.7	0.0597			1157	1.16			#VALUE!	NR		
30.0 mg/kg/day	46M	0.9633	53.1	0.0531		5.80	887	0.887		34.5	#VALUE!	NR		
Recovery 2 - 28 Days	47M	0.9711	56.6	0.0566	0.0565	0.00327	1738	1.74	1.26	0.435	#VALUE!	NR	NR	NR

Limit of Quantitation (LOQ): PFOS = 11 ng/g, POAA = 5, 11, 50, & 100 ng/g, PFHS = 5 ng/g, M513 = 10 ng/g, M613 = 55 ng/g
Method Detection Limit (MDL): PFOS = 2.5 ng/g, POAA = 5 ng/g, PFHS = 2.5 ng/g, M513 = 25 and 50 ng/g, M613 = 25 ng/g

NR = Not Reported
N/A = Not Applicable
PFOS = Perfluorooctanesulfonate
POAA = Perfluorooctanoate
PFHS = Perfluorohexanesulfonate
M513 = C9F19COO-
M613 = C11F23COO-

Date Entered/Analyst: 05/05/99, 05/26/99 LAC
Date Verified/Analyst: 06/08/99, 06/09/99 EAD

BACK TO MAIN

28-Day Oral Tox Study by Daily Gavage in Rats

Study:	TOX-120, Exploratory 28-Day Oral Toxicity Study by Daily Gavage in Rats		
Product Number(Test Substance):	T-7023, T-7024, T-7022, T-7032, T-6295		
Matrix:	Rat Liver	Filename:	See list to right
Method/Revision:	FACT-M-1.0 & FACT-M-2.0	R-Squared Value:	See Attachments
Analytical Equipment System Number:	Madeline 041098, Soup 020199	Slope:	See Attachments
Instrument Software/Version:	MassLynx 3.2	Y-Intercept:	See Attachments
Date of Extraction/Analyst:	04/19/99 RWW/JCP/SAH		
Date of Analysis/Analyst:	04/20/99, 05/14/99, 05/25/99 HOJ/DRB?		
Date of Data Reduction/Analyst:	04/22/99, 05/05/99, 05/18/99, 05/26/99 KJH/MEE/DRB/HOJ		

Sample Data

RAT LIVER

Group Dose	Sample #	Extracted Wt. g	PFHS Calc. Conc. ng/g	Total Amount of PFHS ng/g	Average PFHS ng/g	RSD Std. Dev.	M513 Calc. Conc. ng/g	Total Amount of M513 ng/g	Average M513 ng/g	RSD Std. Dev.	M613 Calc. Conc. ng/g	Total Amount of M613 ng/g	Average M613 ng/g	RSD Std. Dev.
Method Blk	H2O Blk-1	0.00	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
0	H2O Blk-2	0.00	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Matrix Blk	Rabbit Liver Blk-1	0.00	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
0	Rabbit Liver Blk-2	0.00	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
QC - 250 ppb	3M-MS	0.9162	273	91%			225	75%			241	81%		
	3M-MSD	0.9162	254	85%	88%	7%	227	76%	76%	1%	229	77%	79%	5%
QC - 250 ppb	6M-MS	0.9098	319	107%			239.95	80%			187.06	63%		
	6M-MSD	0.9098	311	104%	105%	2%	293.50	98%	89%	20%	212.60	71%	67%	13%
QC - 250 ppb	13M-MS	1.0701	267	89%			217.83	73%			225.91	76%		
	13M-MSD	1.0701	291	97%	93%	0.08	267.66	90%	81%	0.21	233.71	78%	77%	0.03
Group 1	1M	0.6518	69.0	0.0690			0.00	<MDL			0.00	<MDL		
0.0 mg/kg/day	2M	0.6999	96.6	0.0966			0.00	<MDL			0.00	<MDL		
Control	3M	0.9162	49.7	0.0497			0.00	<MDL			0.00	<MDL		
	4M	0.6826	50.9	0.0509			0.00	<MDL			0.00	<MDL		
	5M	0.8920	31.3	0.0313			0.00	<MDL			0.00	<MDL		
	6M	0.9098	56.7	0.0567			0.00	<MDL			0.00	<MDL		
	7M	0.8965	40.8	0.0408		37.3	0.00	<MDL			0.00	<MDL		
	8M	0.8267	41.9	0.0419	0.0546	0.0204	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 1	9M	0.6344	44.2	0.0442			0.00	<MDL			0.00	<MDL		
0.0 mg/kg/day	10M	0.6972	221	0.221		68.6	0.00	<MDL			0.00	<MDL		
Recovery 1 - 14 Days	11M	0.8504	122	0.122	0.129	0.0884	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 1	13M	1.0701	108	0.108			0.00	<MDL			0.00	<MDL		
0.0 mg/kg/day	14M	0.9044	90.4	0.0904		21.8	0.00	<MDL			0.00	<MDL		
Recovery 2 - 28 Days	15M	0.8511	68.9	0.0689	0.0890	0.0194	0.00	<MDL	<MDL	<MDL	0.00	<MDL	<MDL	<MDL
Group 2	17M	1.0503	36.4	0.0364			1026	1.03			90.6	0.0906		
30.0 mg/kg/day	18M	0.9993	45.5	0.0455			415	0.41			69.3	0.0693		
Telomer Alcohol	19M	0.5839	58.4	0.0584			1685	1.68			83.4	0.0834		
	20M	0.5331	112.1	0.112			2253	2.25			74.7	0.0747		
	21M	0.7957	25.4	0.0254			3155	3.16			99.5	0.0995		
	22M	1.0663	28.6	0.0286			2007	2.01			72.4	0.0724		
	23M	0.7248	32.0	0.0320		62.5	2021	2.02		46.0	96.0	0.0960		17.2
	24M	0.5990	29.9	0.0299	0.0460	0.0288	2720	2.72	1.91	0.879	112	0.112	0.0873	0.0150
Group 2	25M	0.5618	36.9	0.0369			1491	1.49			61.6	0.0616		
30.0 mg/kg/day	26M	0.7356	16.9	0.0169		40.2	2264	2.26		26.6	119	0.119		38.5
Recovery 1 - 14 Days	27M	0.9176	22.8	0.0228	0.0255	0.0103	1443	1.44	1.73	0.461	142	0.142	0.107	0.0414
Group 2	29M	0.9513	34.5	0.0345			1864	1.86			113	0.113		
30.0 mg/kg/day	30M	1.0855	44.1	0.0441		34.8	1222	1.22		21.3	86.4	0.0864		16.2
Recovery 2 - 28 Days	31M	0.9514	21.1	0.0211	0.0332	0.0116	1475	1.47	1.52	0.323	118	0.118	0.106	0.0172
Group 3	33M	0.6489	64.3	0.0643			2304	2.30			0.00	<MDL		
30.0 mg/kg/day	34M	0.6715	53.1	0.0531			2001	2.00			0.00	<MDL		
Telomer Acrylate	35M	0.5880	90.1	0.0901			1727	1.73			62.2	0.0622		
	36M	0.9225	45.3	0.0453			1775	1.77			0.00	<MDL		
	37M	0.5915	66.7	0.0667			1853	1.85			0.00	<MDL		
	38M	0.5744	56.3	0.0563			1236	1.24			0.00	<MDL		
	39M	0.7240	50.7	0.0507		30.9	1689	1.69		17.3	0.00	<MDL		
	40M	0.6670	104	0.1038	0.0663	0.0205	1628	1.63	1.78	0.307	0.00	<MDL	0.0622	N/A
Group 3	41M	1.0153	32.7	0.0227			788	0.79			0.00	<MDL		
30.0 mg/kg/day	42M	0.7343	33.4	0.0334		19.2	1174	1.17		23.7	0.00	<MDL		
Recovery 1 - 14 Days	43M	0.9065	31.1	0.0311	0.0291	0.00559	1270	1.27	1.08	0.255	0.00	<MDL	<MDL	<MDL
Group 3	45M	1.0667	29.8	0.0298			692	0.692			0.00	<MDL		
30.0 mg/kg/day	46M	0.9633	30.6	0.0306		5.42	969	0.969		18.5	0.00	<MDL		
Recovery 2 - 28 Days	47M	0.9711	27.6	0.0276	0.0293	0.00159	741	0.741	0.801	0.148	0.00	<MDL	<MDL	<MDL

Limit of Quantitation (LOQ): PFOS = 11 ng/g, POAA = 5, 11, 50, & 100
Method Detection Limit (MDL): PFOS = 2.5 ng/g, POAA = 5 ng/g, PFHS

NR = Not Reported
N/A = Not Applicable
PFOS = Perfluorooctanesulfonate
POAA = Perfluorooctanoate
PFHS = Perfluorohexanesulfonate
M513 = C9F19COO-
M613 = C11F23COO-

Date Entered/Analyst: 05/05/99, 05/26/99 LAC
Date Verified/Analyst: 06/08/99, 06/09/99 EAD

BACK TO MAIN

28-Day Oral Tox Study by Daily Gavage in Rats

Study: TOX-120, Exploratory 28-Day Oral Toxicity Study by Daily Gavage in Rats
Product Number(Test Substance): T-7023, T-7024, T-7022, T-7032, T-6295
Matrix: Rat Liver
Method/Revision: FACT-M-1.0 & FACT-M-2.0
Analytical Equipment System Number: Madeline 041098
Instrument Software/Version: MassLynx 3.2
Date of Extraction/Analyst: 04/19/99 RWW/JCP/SAH
Date of Analysis/Analyst: 04/20/99, 05/21/99, 05/25/99 HOJ/DRB/KJH?
Date of Data Reduction/Analyst: 05/05/99, 05/24/99, 05/26/99 MEE/KJH/HOJ

Filename: See Attachments
R-Squared Value: See Attachments
Slope: See Attachments
Y-intercept: See Attachments

Sample Data

RAT LIVER

Group Dose	Sample #	PFOS Conc. ng/g	PFOS Dilution Factor	PFOS Calc. Conc. ng/g	Average PFOS ng/g	RSD Std. Dev.	POAA Calc. Conc. ng/g	Total Amount of POAA ng/g	Average POAA ng/g	RSD Std. Dev.	Calc. Conc. ng/g	ng/g	Average ng/g	RSD Std. Dev.
Method Blk	H2O Blk-1	0	1	<MDL			<MDL	<MDL			#VALUE!	NR		
	H2O Blk-2	0	1	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	#VALUE!	NR	NR	NR
Matrix Blk	Rabbit Liver Blk-1	0	1	<MDL			<MDL	<MDL			#VALUE!	NR		
	Rabbit Liver Blk-2	2.98	1	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	#VALUE!	NR	NR	NR
QC - 250 ppb	3M-MS	374.4500	1	27409%			254	85%			#VALUE!	NR		
	3M-MSD	386.0600	1	28575%	94%	4%	260	87%	86%	0.0232	#VALUE!	NR	NR	NR
QC - 250 ppb	6M-MS	400.5000	1	31938%			299.93	100%			#VALUE!	NR		
	6M-MSD	390.4800	1	30793%	105%	4%	310.30	104%	102%	0.0340	#VALUE!	NR	NR	NR
QC - 250 ppb	13M-MS	379.4300	1	28864%			344.99	115%			#VALUE!	NR		
	13M-MSD	381.7500	1	29098%	97%	0.0	312.71	105%	110%	0.0982	#VALUE!	NR	NR	NR
Group 4	49M	NR	1	#VALUE!			#VALUE!	NR			4077	4.08		
30.0 mg/kg/day	50M	NR	1	#VALUE!			#VALUE!	NR			2433	2.43		
	51M	NR	1	#VALUE!			#VALUE!	NR			2447	2.45		
	52M	NR	1	#VALUE!			#VALUE!	NR			2703	2.70		
	53M	NR	1	#VALUE!			#VALUE!	NR			803	0.803		
	54M	NR	1	#VALUE!			#VALUE!	NR			2034	2.03		
	55M	NR	1	#VALUE!		0.0	#VALUE!	NR		0.00	4347	4.35		51.3
	56M	NR	1	#VALUE!	NR	NR	#VALUE!	NR	NR	NR	5862	5.86	3.09	1.58
Group 4	57M	NR	1	#VALUE!			#VALUE!	NR			168	0.168		
30.0 mg/kg/day	58M	NR	1	#VALUE!		0.0	#VALUE!	NR		0.00	29.4	0.0294		66.6
Recovery 1 - 14 Days	59M	NR	1	#VALUE!	NR	NR	#VALUE!	NR	NR	NR	181	0.181	0.126	0.0640
Group 4	61M	NR	1	#VALUE!			#VALUE!	NR			25.0	0.0250		
30.0 mg/kg/day	62M	NR	1	#VALUE!		0.0	#VALUE!	NR		0.00	40.5	0.0405		59.7
Recovery 2 - 28 Days	63M	NR	1	#VALUE!	NR	NR	#VALUE!	NR	NR	NR	10.3	0.0103	0.0253	0.0151
Group 5	65M	28.7	1	28.5			0.00	0.00			#VALUE!	NR		
10.0 mg/kg/day	66M	73.8	1	73.3			0.00	0.00			#VALUE!	NR		
PFHS	67M	NR	1	#VALUE!			#VALUE!	NR			#VALUE!	NR		
	68M	NR	1	#VALUE!			#VALUE!	NR			#VALUE!	NR		
	69M	NR	1	#VALUE!			#VALUE!	NR			#VALUE!	NR		
	70M	NR	1	#VALUE!			#VALUE!	NR			#VALUE!	NR		
	71M	NR	1	#VALUE!		62	#VALUE!	NR		#DIV/0!	#VALUE!	NR		0
	72M	NR	1	#VALUE!	0.0509	0.0317	#VALUE!	NR	0.00	0.00	#VALUE!	NR	NR	NR
Group 5	73M	154	1	153			0.00	0.00			#VALUE!	NR		
10.0 mg/kg/day	74M	96.3	1	96.8		30.3	0.00	0.00		#DIV/0!	#VALUE!	NR		0.00
Recovery 1 - 14 Days	75M	90.3	1	90.6	0.114	0.0344	#VALUE!	NR	0.00	0.00	#VALUE!	NR	NR	NR
Group 5	77M	117	1	117			0.00	0.00			#VALUE!	NR		
10.0 mg/kg/day	78M	88.4	1	89.6		24.8	0.00	0.00		#DIV/0!	#VALUE!	NR		0.00
Recovery 2 - 28 Days	79M	83.3	1	84.0	0.1053	0.0261	0.00	0.00	0.00	0.00	#VALUE!	NR	NR	NR
Group 6	81M	246.9000	1000	245620			#VALUE!	NR			#VALUE!	NR		
3.0 mg/kg/day	82M	500.2700	1000	502716			#VALUE!	NR			#VALUE!	NR		
PFOS	83M	348.8500	1000	352337			#VALUE!	NR			#VALUE!	NR		
	84M	429.1800	1000	433347			#VALUE!	NR			#VALUE!	NR		
	85M	482.0600	1000	478539			#VALUE!	NR			#VALUE!	NR		
	86M	489.7200	1000	485498			#VALUE!	NR			#VALUE!	NR		
	87M	455.7600	1000	456739		20.44	#VALUE!	NR		0.00	#VALUE!	NR		0.00
	88M	403.3500	1000	400571	419.4	85.73	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR
Group 6	89M	326.9700	1000	325163.5			#VALUE!	NR			#VALUE!	NR		
3.0 mg/kg/day	90M	330.4600	1000	332625		11.06	#VALUE!	NR		0.00	#VALUE!	NR		0.00
Recovery 1 - 14 Days	91M	268.3200	1000	270026.8	309.3	34.19	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR
Group 6	93M	209.1100	1000	207908.7			#VALUE!	NR			#VALUE!	NR		
3.0 mg/kg/day	94M	254.0800	1000	253062.8		10.7	#VALUE!	NR		0.00	#VALUE!	NR		0.00
Recovery 2 - 28 Days	95M	251.4300	1000	250587.1	237.2	25.4	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR

Limit of Quantitation (LOQ): PFOS = 11 & 6 ng/g, POAA = 50 ng/g, PFHS = 11 ng/g
Method Detection Limit (MDL): PFOS = 5 & 3 ng/g, POAA = 25 ng/g, = 2.5 ng/g, PFHS = 5 ng/g

NR = Not Reported
N/A = Not Applicable
PFOS = Perfluorooctanesulfonate
POAA = Perfluorooctanoate
PFHS = Perfluorohexanesulfonate

Date Entered/Analyst: 02/26/99, 03/10/99, 03/17/99, 03/22/99, 05/24/99, 05/26/99 LAC
Date Verified/Analyst: 06/08/99, 06/09/99 EAD

BACK TO MAIN

28-Day Oral Tox Study by Daily Gavage in Rats

Study: TOX-120, Explorat/TOX-120, Exploratory 28-Day Oral Toxicity Study by Daily Gavage in Rats
Product Number(Test Substance): T-7023, T-7024, T-7b-7023, T-7024, T-7022, T-7032, T-6295
Matrix: Rat Liver Rat Liver
Method/Revision: FACT-M-1.0 & FACT-M-1.0 & FACT-M-2.0
Analytical Equipment System Number: Madeline 041098 Madeline 041098
Instrument Software/Version: MassLynx 3.2 MassLynx 3.2
Date of Extraction/Analyst: 04/19/99 RWW/JCB4/19/99 RWW/JCP/SAH
Date of Analysis/Analyst: 04/20/99, 05/21/99, 04/20/99, 05/21/99, 05/25/99 HOJ/DRB/KJH?
Date of Data Reduction/Analyst: 05/05/99, 05/24/99, 05/05/99, 05/24/99, 05/26/99 MEE/KJH/HOJ

Filename: See list to right
R-Squared Value: See Attachments
Slope: See Attachments
Y-Intercept: See Attachments

Sample Data

RAT LIVER

Group Dose	Sample #	PFOS Conc. ng/g	PFHS Calc. Conc. ng/g	Total Amount of PFHS ng/g	Average PFHS ng/g	RSD Std. Dev.	M513 Calc. Conc. ng/g	Total Amount of M513 ng/g	Average M513 ng/g	RSD Std. Dev.	M613 Calc. Conc. ng/g	Total Amount of M613 ng/g	Average M613 ng/g	RSD Std. Dev.
Method Blk	H2O Blk-1	0	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
	H2O Blk-2	0	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
Matrix Blk	Rabbit Liver Blk-1	0	<MDL	<MDL			<MDL	<MDL			<MDL	<MDL		
	Rabbit Liver Blk-2	2.98	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL	<MDL
QC - 250 ppb	3M-MS	374.4500	273	91%			225	75%			241	81%		
	3M-MSD	386.0600	254	85%	88%	0.0723	227	76%	76%	1%	229	77%	79%	5%
QC - 250 ppb	6M-MS	400.5000	319	107%			273.16	91%			187	63%		
	6M-MSD	390.4800	311	104%	105%	0.0237	334.12	112%	102%	20%	213	71%	67%	13%
QC - 250 ppb	13M-MS	379.4300	267.42	89%			217.83	73%			225.91	76%		
	13M-MSD	381.7500	290.58	97%	93%	0.0830	267.66	90%	81%	0.21	233.71	78%	77%	0.03
Group 4	49M	NR	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
30.0 mg/kg/day	50M	NR	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
	51M	NR	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
	52M	NR	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
	53M	NR	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
	54M	NR	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
	55M	NR	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
	56M	NR	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR
Group 4	57M	NR	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
30.0 mg/kg/day	58M	NR	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
Recovery 1 - 14 Days	59M	NR	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR
Group 4	61M	NR	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
30.0 mg/kg/day	62M	NR	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
Recovery 2 - 28 Days	63M	NR	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR
Group 5	65M	28.7	360111	360			#VALUE!	NR			#VALUE!	NR		
10.0 mg/kg/day	66M	73.8	359107	359			#VALUE!	NR			#VALUE!	NR		
PFHS	67M	NR	283354	283			#VALUE!	NR			#VALUE!	NR		
	68M	NR	337636	338			#VALUE!	NR			#VALUE!	NR		
	69M	NR	345818	346			#VALUE!	NR			#VALUE!	NR		
	70M	NR	316441	316			#VALUE!	NR			#VALUE!	NR		
	71M	NR	223309	223		15.9	#VALUE!	NR			#VALUE!	NR		
	72M	NR	387000	387	327	52.0	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR
Group 5	73M	154	69362	69.4			#VALUE!	NR			#VALUE!	NR		
10.0 mg/kg/day	74M	96.3	48369	48.4		19.0	#VALUE!	NR			#VALUE!	NR		
Recovery 1 - 14 Days	75M	90.3	67999	68.0	61.9	11.7	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR
Group 5	77M	117	37903	37.9			#VALUE!	NR			#VALUE!	NR		
10.0 mg/kg/day	78M	88.4	42766	42.8		20.4	#VALUE!	NR			#VALUE!	NR		
Recovery 2 - 28 Days	79M	83.3	28199	28.2	36.3	7.42	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR
Group 6	81M	246.9000	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
3.0 mg/kg/day	82M	500.2700	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
PFOS	83M	348.8500	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
	84M	429.1800	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
	85M	482.0600	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
	86M	489.7200	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
	87M	455.7600	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
	88M	403.3500	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR
Group 6	89M	326.9700	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
3.0 mg/kg/day	90M	330.4600	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
Recovery 1 - 14 Days	91M	268.3200	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR
Group 6	93M	209.1100	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
3.0 mg/kg/day	94M	254.0800	#VALUE!	NR			#VALUE!	NR			#VALUE!	NR		
Recovery 2 - 28 Days	95M	251.4300	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR	#VALUE!	NR	NR	NR

Limit of Quantitation (LOQ): PFOS = 11 & 4 ng/g, POAA = 50 ng/g, PFB
Method Detection Limit (MDL): PFOS = 5 & 3 ng/g, POAA = 25 ng/g, P

NR = Not Reported
N/A = Not Applicable
PFOS = Perfluorooctanesulfonate
POAA = Perfluorooctanoate
PFHS = Perfluorohexanesulfonate

Date Entered/Analyst: 02/26/99, 03/10/99, 03/17/99, 03/22/99, 05
Date Verified/Analyst: 06/08/99, 06/09/99 EAD

3M Environmental Lab - Fluorine Analytical Chemistry Team

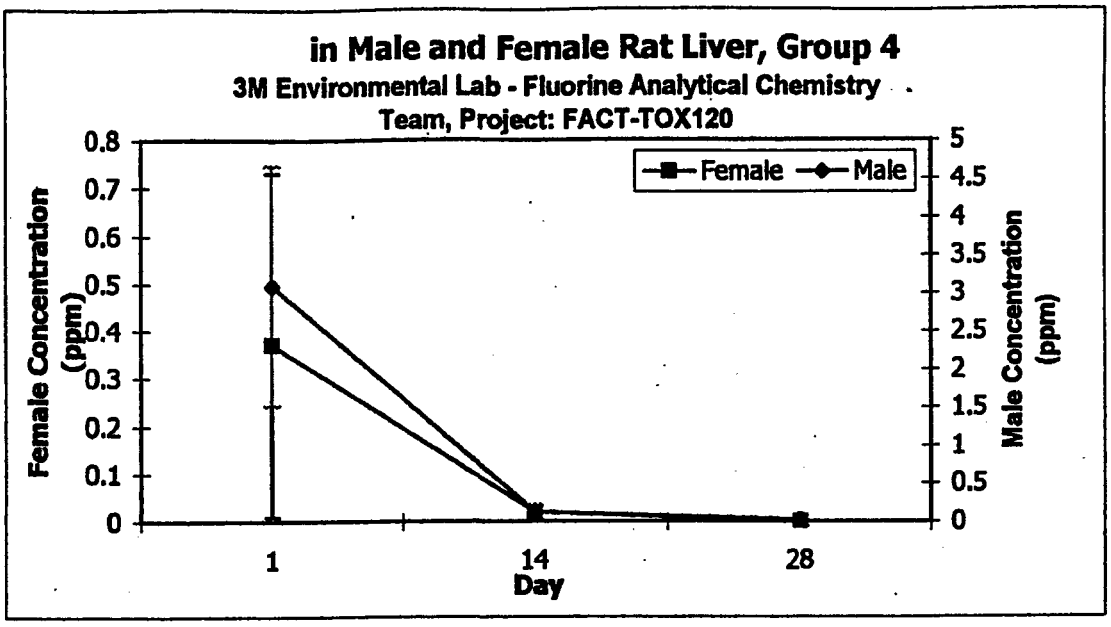
PFS's		
PFHS	perfluorohexanesulfonate	C6F13SO3-
PFOS	perfluorooctanesulfonate	C8F17SO3-
PFOSA		C8F17SO2NH2
PFOSAA		C8F17SO2N((CH2CH3)(CH2COO))-
M556		C8F17SO2N((H)(CH2COO))-
M570		C8F17SO2N((CH3)(CH2COO))-
PFOSEA	perfluorooctanesulfonylethyl amide	C8F17SO2N((CH2CH3)(H))
Et-FOSE-OH		C8F17SO2N((CH2CH3)(CH2CH2OH))
PFDS	perfluorodecanesulfonate	C10F21SO3-**

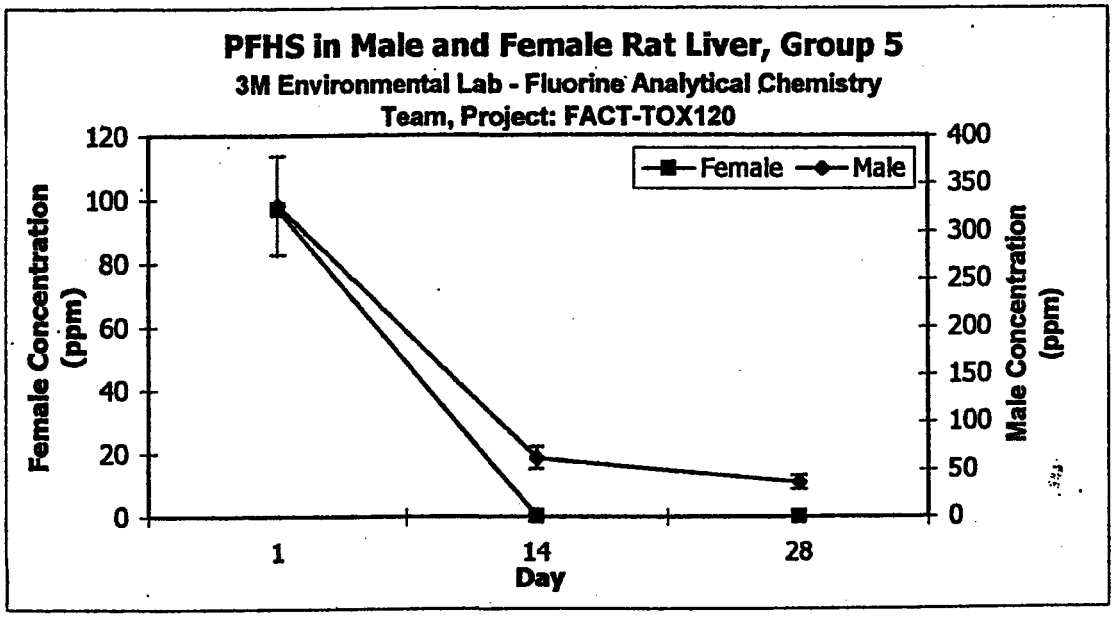
PFCA's		
POAA	perfluorooctanoate	C7F15COO-
M513	perfluorodecanoate	C9F19COO-
M613	perfluorododecanoate	C11F23COO-
M463		C8F17COO- **
M563		C10F21COO- **
M363		C6F13COO- **

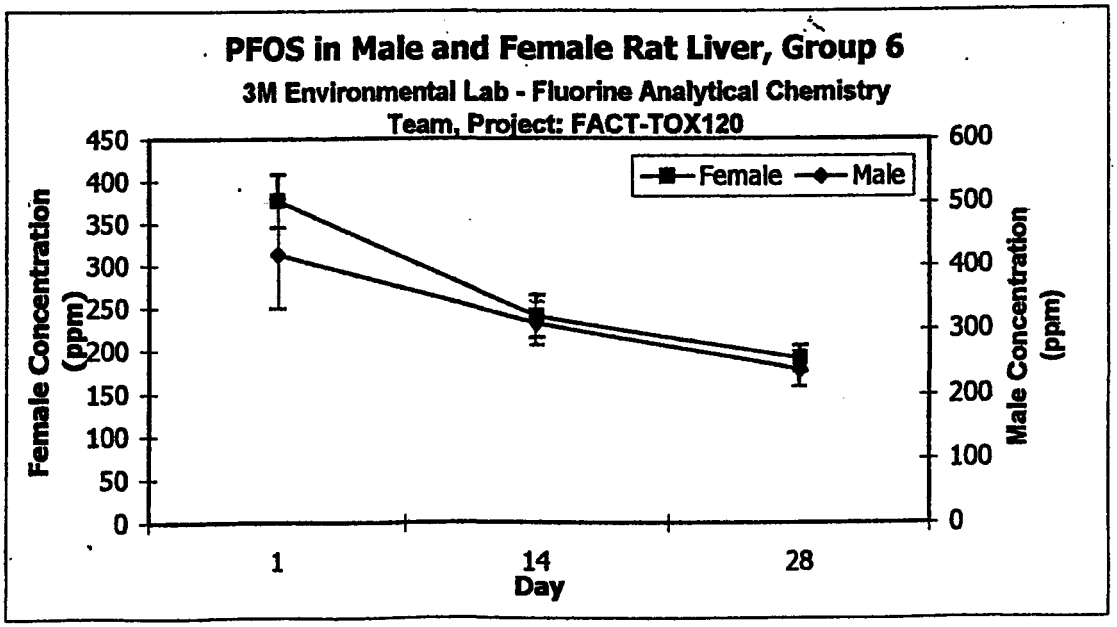
PFS = perfluorinated sulfoante
PFCA = perfluorinated carboxylic acid

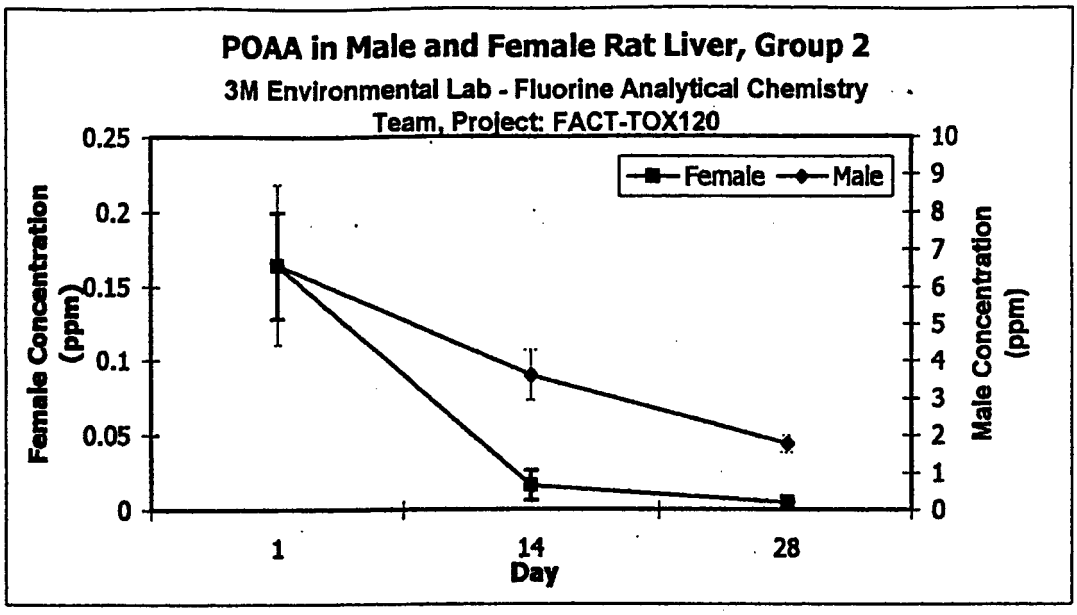
** no standard material available for confirmation;

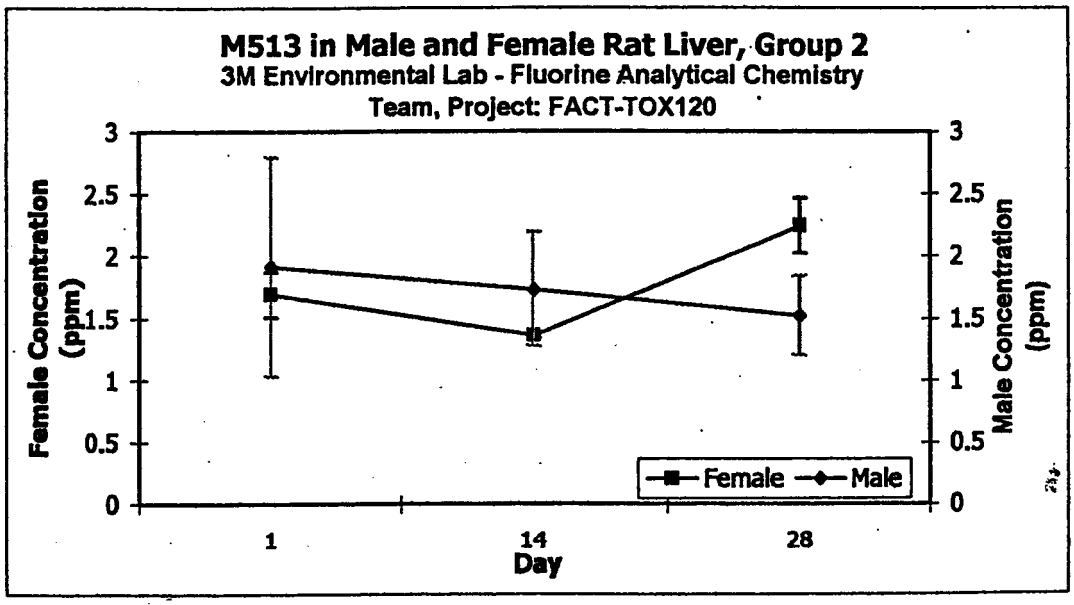
3M Confidential - Attorney/Client Work Product Privileged - Do Not Disclose

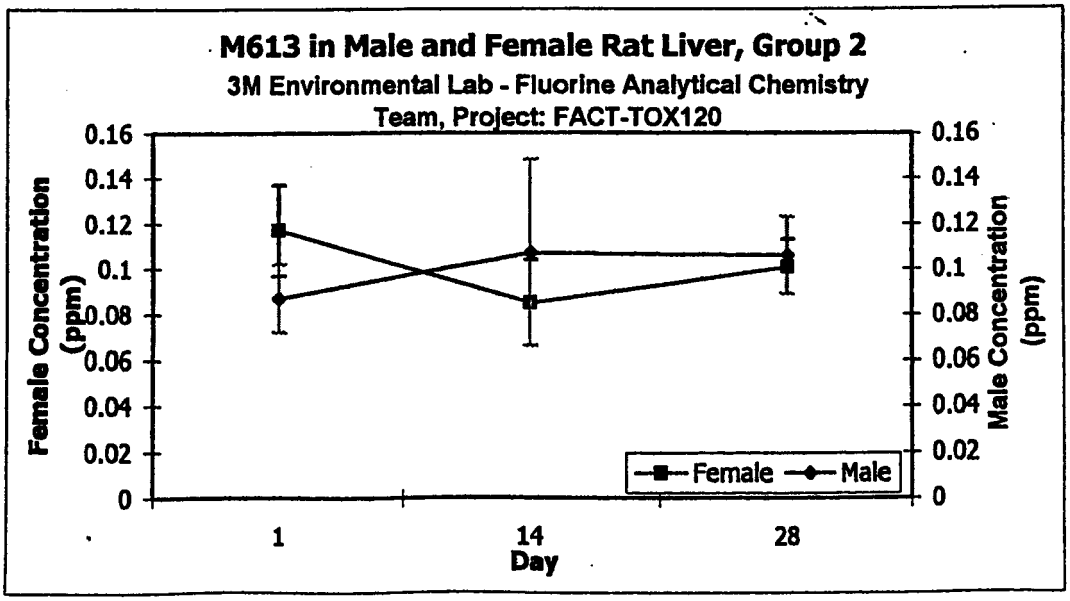

in Male and Female Rat Liver, Group 4
3M Environmental Lab - Fluorine Analytical Chemistry
Team, Project: FACT-TOX120
Female
Male
Female Concentration (ppm)
Male Concentration (ppm)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1
14
28
Day

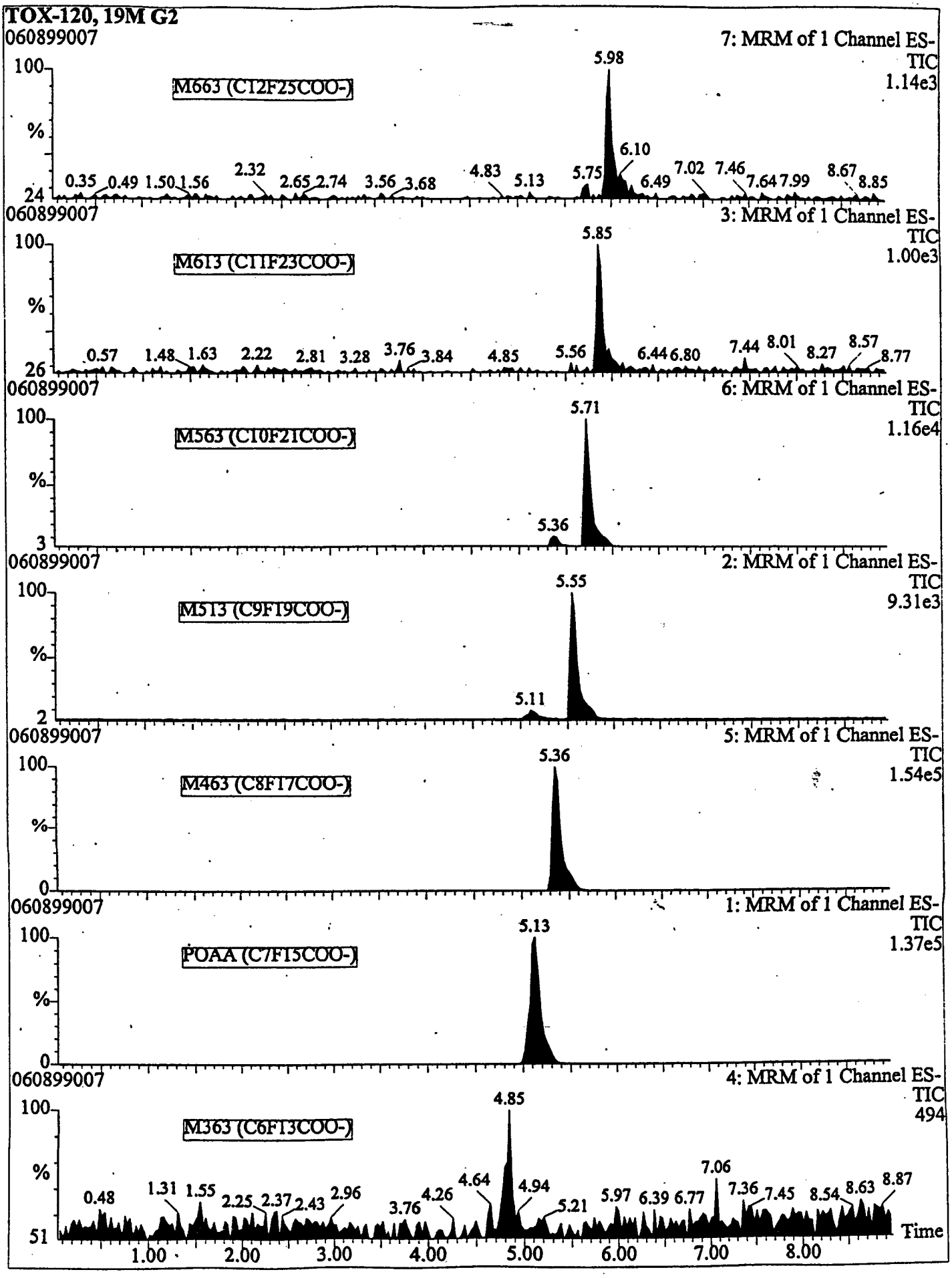

PFHS in Male and Female Rat Liver, Group 5
3M Environmental Lab - Fluorine Analytical Chemistry
Team, Project: FACT-TOX120
Female
Male
Female Concentration (ppm)
Male Concentration (ppm)
120
100
80
60
40
20
0
400
350
300
250
200
150
100
50
0
1
14
28
Day

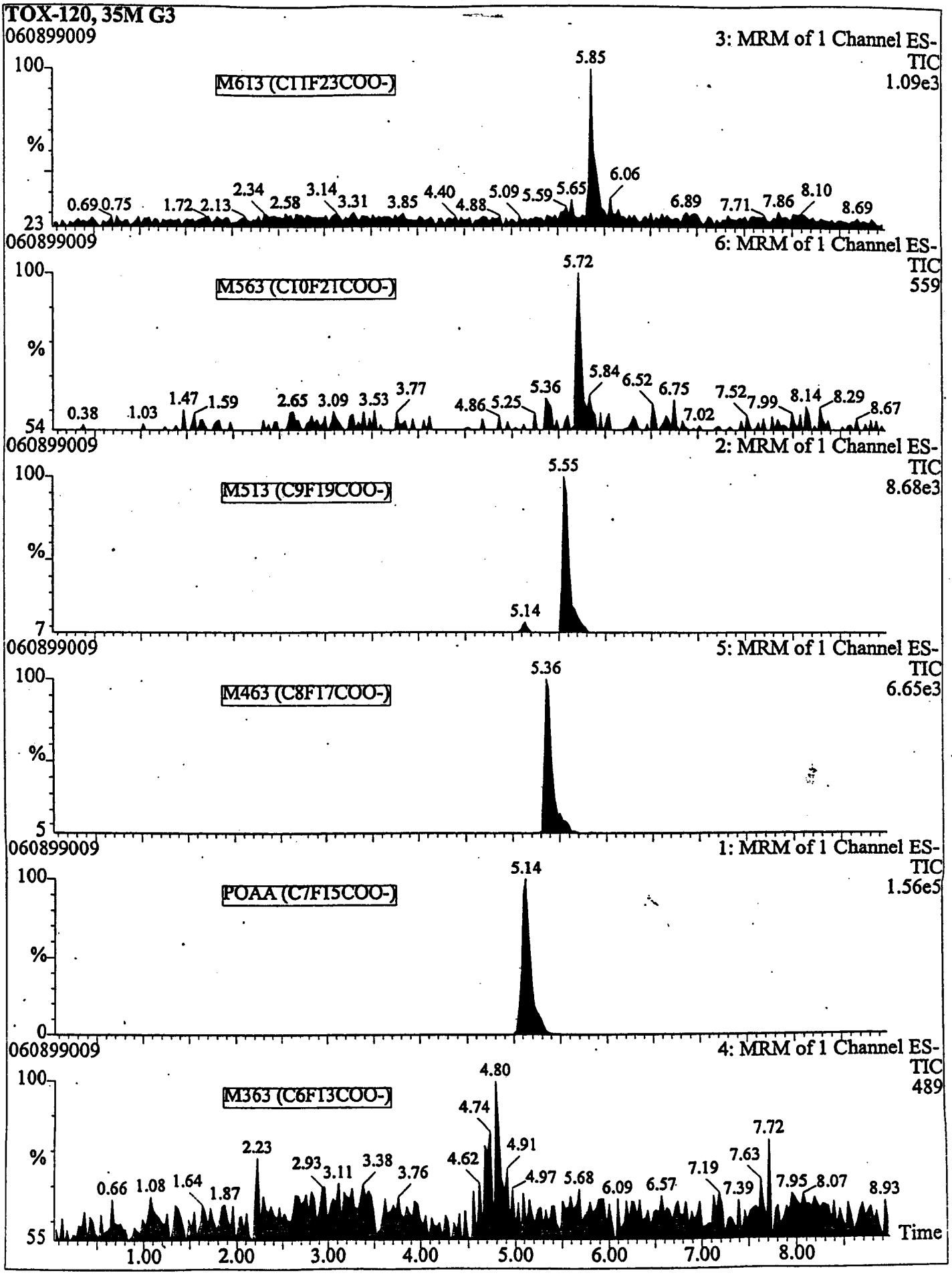

PFOS in Male and Female Rat Liver, Group 6
3M Environmental Lab - Fluorine Analytical Chemistry
Team, Project: FACT-TOX120
Female
Male
Female Concentration (ppm)
Male Concentration (ppm)
450
400
350
300
250
200
150
100
50
0
600
500
400
300
200
100
0
1
14
28
Day

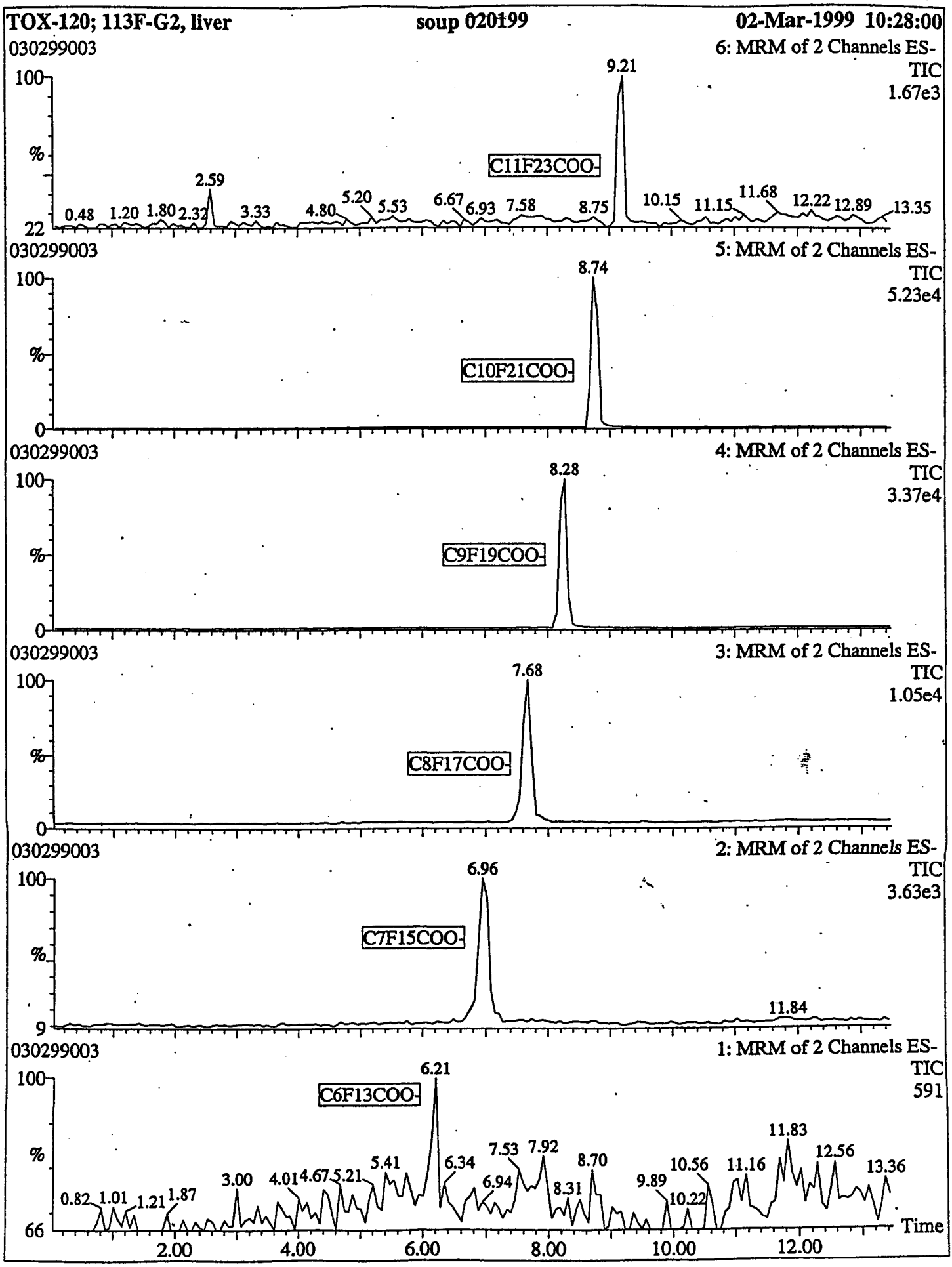

POAA in Male and Female Rat Liver, Group 2
3M Environmental Lab - Fluorine Analytical Chemistry
Team, Project: FACT-TOX120
Female Concentration (ppm)
Male Concentration (ppm)
Female
Male
Day
0.25
0.2
0.15
0.1
0.05
0
10
9
8
7
6
5
4
3
2
1
0
1
14
28

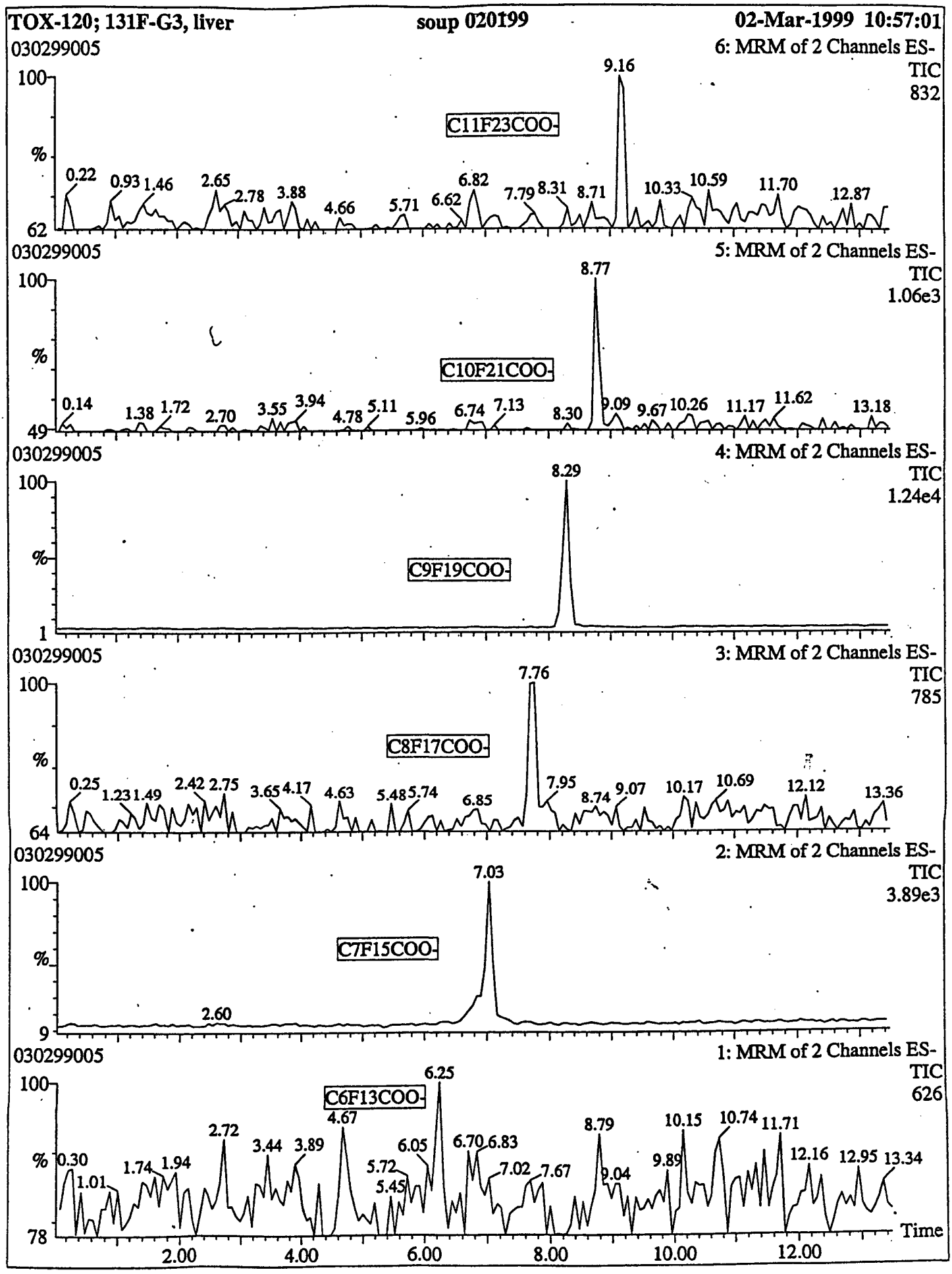

M513 in Male and Female Rat Liver, Group 2
3M Environmental Lab - Fluorine Analytical Chemistry
Team, Project: FACT-TOX120
Female Concentration (ppm)
Male Concentration (ppm)
Female
Male
Day
3
2.5
2
1.5
1
0.5
0
1
14
28


M613 in Male and Female Rat Liver, Group 2
3M Environmental Lab - Fluorine Analytical Chemistry
Team, Project: FACT-TOX120
Female Concentration (ppm)
Male Concentration (ppm)
Female
Male
Day
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
1
14
28


TOX-120, 19M G2
060899007
7: MRM of 1 Channel ES- TIC 1.14e3
M663 (C12F25COO-)
5.98
6.10
0.35 0.49 1.50 1.56 2.32 2.65 2.74 3.56 3.68 4.83 5.13 5.75 6.49 7.02 7.46 7.64 7.99 8.67 8.85
060899007
3: MRM of 1 Channel ES- TIC 1.00e3
M613 (C11F23COO-)
5.85
0.57 1.48 1.63 2.22 2.81 3.28 3.76 3.84 4.85 5.56 6.44 6.80 7.44 8.01 8.27 8.57 8.77
060899007
6: MRM of 1 Channel ES- TIC 1.16e4
M563 (C10F21COO-)
5.71
5.36
060899007
2: MRM of 1 Channel ES- TIC 9.31e3
M513 (C9F19COO-)
5.55
5.11
060899007
5: MRM of 1 Channel ES- TIC 1.54e5
M463 (C8F17COO-)
5.36
060899007
1: MRM of 1 Channel ES- TIC 1.37e5
POAA (C7F15COO-)
5.13
060899007
4: MRM of 1 Channel ES- TIC 494
M363 (C6F13COO-)
4.85
0.48 1.31 1.55 2.25 2.37 2.43 2.96 3.76 4.26 4.64 4.94 5.21 5.97 6.39 6.77 7.06 7.36 7.45 8.54 8.63 8.87
Time
1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00


TOX-120, 35M G3
060899009
3: MRM of 1 Channel ES-
TIC
1.09e3
M613 (C11F23COO-)
100
%
23
5.85
6.06
0.69 0.75 1.72 2.13 2.34 2.58 3.14 3.31 3.85 4.40 4.88 5.09 5.59 5.65 6.89 7.71 7.86 8.10 8.69
060899009
6: MRM of 1 Channel ES-
TIC
559
M563 (C10F21COO-)
100
%
54
5.72
5.84
0.38 1.03 1.47 1.59 2.65 3.09 3.53 3.77 4.86 5.25 5.36 6.52 6.75 7.02 7.52 7.99 8.14 8.29 8.67
060899009
2: MRM of 1 Channel ES-
TIC
8.68e3
M513 (C9F19COO-)
100
%
7
5.55
5.14
060899009
5: MRM of 1 Channel ES-
TIC
6.65e3
M463 (C8F17COO-)
100
%
5
5.36
060899009
1: MRM of 1 Channel ES-
TIC
1.56e5
POAA (C7F15COO-)
100
%
0
5.14
060899009
4: MRM of 1 Channel ES-
TIC
489
M363 (C6F13COO-)
100
%
55
4.80
4.74
7.72
2.23
4.91
7.63
2.93 3.11 3.38 3.76 4.62 4.97 5.68 6.09 6.57 7.19 7.39 7.95 8.07 8.93
0.66 1.08 1.64 1.87
Time
1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00


TOX-120; 113F-G2, liver
soup 020199
02-Mar-1999 10:28:00
030299003
6: MRM of 2 Channels ES-
TIC
1.67e3
C11F23COO-
9.21
2.59
0.48 1.20 1.80 2.32 3.33 4.80 5.20 5.53 6.67 6.93 7.58 8.75 10.15 11.15 11.68 12.22 12.89 13.35
030299003
5: MRM of 2 Channels ES-
TIC
5.23e4
C10F21COO-
8.74
030299003
4: MRM of 2 Channels ES-
TIC
3.37e4
C9F19COO-
8.28
030299003
3: MRM of 2 Channels ES-
TIC
1.05e4
C8F17COO-
7.68
030299003
2: MRM of 2 Channels ES-
TIC
3.63e3
C7F15COO-
6.96
11.84
030299003
1: MRM of 2 Channels ES-
TIC
591
C6F13COO-
6.21
0.82 1.01 1.21 1.87 3.00 4.01 4.67 5.21 5.41 6.34 6.94 7.53 7.92 8.31 8.70 9.89 10.22 10.56 11.16 11.83 12.56 13.36
Time
2.00 4.00 6.00 8.00 10.00 12.00


TOX-120; 131F-G3, liver
soup 020199
02-Mar-1999 10:57:01
030299005
6: MRM of 2 Channels ES-
TIC
832
C11F23COO-
9.16
030299005
5: MRM of 2 Channels ES-
TIC
1.06e3
C10F21COO-
8.77
030299005
4: MRM of 2 Channels ES-
TIC
1.24e4
C9F19COO-
8.29
030299005
3: MRM of 2 Channels ES-
TIC
785
C8F17COO-
7.76
030299005
2: MRM of 2 Channels ES-
TIC
3.89e3
C7F15COO-
7.03
030299005
1: MRM of 2 Channels ES-
TIC
626
C6F13COO-
6.25
%
Time
2.00
4.00
6.00
8.00
10.00
12.00

3M Environmental Laboratory Request Form

Lab Request No.: W1220 | Date Received: 2-4-99 | Page: 1 of 2

Address	Requester	Environmental Lab
3M Environmental Laboratory 935 Bush Ave. Building 2-3E-09 St. Paul, MN 55106 Attn: Sample Custodian Phone (612) 778-6750 Fax (612) 778-6176	Name: Marvin Case · Location: 220-2E-02 · Phone No.: 733-5180 · Date Needed: ☐ Routine ☒ 02/05/00 Project Description (40 Characters Max.): NoTox-242933 Tox 120 28 Day Oral Tox in Rats PFOS Telomer Is this a TSCA 8(d) project? (See back side for instructions) MUST BE CHECKED: ☐ Yes ☒ No · Dept. No. (Main): 4291 · Sub. Acct.: · Class/Job/Project No.: B04291000 / B042912000 Purpose of Testing: ☐ RCRA ☒ TSCA ☐ CWA ☐ CAA ☐ SDWA ☐ MSDS ☐	Project Lead: KJH · Expected Completion Date: 02/05/00 Planning Status: 70 · Quality Review: Class/Priority: · Date Shipped:

Safety Concerns/Special Handling:

Comments:

Sample No. (Range 0-999) →	1				
Sample Code (12 Character Max) →					
Sample Date & Time (MM/DD/YY HH:MM) →					
Sample Description (12 Character Max) →					
Matrix (1 Character Stock No.) →	A				

Tests Required	Computer Code	CLab	Avail. Date	Due Date					
[redacted]					✓				

Form 10820 / F - PWO · White - Environmental Lab Archives · Pink - Contractor · Canary - Disbursements

Copies To: KJH LAC

BACK TO MAIN

Chain of Custody Record

3M Environmental Laboratory

09716

Form 35178 - PWO

3M Requester: Marvin Case		
3M Project Lead: Kris Hansen		
3M Facility: 3M Toxicology	3M Project Title: NOTOX 242933 TOX120 28Day Oral TOX PFOS in Rats Telomer	3M Project Number: BV42911000/BV42912000
Address: 220-2E-02	3M Facility Contact: Marvin Case	3M Department Number: 4291
City, State, Zip Code: St. Paul MN 55133	3M Telephone Number: 733-5180	Lab Request/Template Number:

Sampled By (Print): N/A	Contractor: NOTOX	Number Containers of each Preservatives							Total Containers of Each Item	☐ Samples Split See Attachment				
Sampler Signature: N/A	Date: 11/03/98 - 12/04/98									Comments				
Item #	Sample Description	Date	Time	Matrix	None	HNO_3	H_2SO_4	NaOH	VOC					
1	Grp 1			Liver								28	Chain of Custody initiated upon sample receipt See attached specimen list for further information	
2	Grp 2			Liver								28		LAC
3	Grp 3			Liver								28		02/03/99
4	Grp 4			Liver								28		
5	Grp 5			Liver								28		
6	Grp 6			Liver								28		
7														
8														
9														
10													electronic LAC	02/03/99
11														
12														
13														

Item #	Relinquished By/Affiliation	Time	Date	Shipped Via	Received By/Affiliation	Time	Date
1-6				Airborne Express	Lisa A Clemen 3M	04:30pm	02/03/99

Original - Accompanying Samples Last Page - Originator

See Reverse Side For Instructions

BACK TO MAIN

Chain of Custody Record

3M Environmental Laboratory

09716

Form 35176 - PWO

3M Requester	Marvin Case
3M Project Lead	Kris Hansen
3M Facility	3M Toxicology
Address	220-2E-02
City, State, Zip Code	St. Paul, MN 55133
3M Project Title	NOTOX 242933 TOX120 28Day Oral TOX Telomer PFOS in Rats
3M Facility Contact	Marvin Case
3M Telephone Number	733-5180
3M Project Number	BV42911000/BV42912000
3M Department Number	4291
Lab Request/Template Number	

Sampled By (Print)	Contractor
N/A	NOTOX
Sampler Signature	Date
N/A	11/03/98 - 12/04/98

☐ Samples Split See Attachment

Item #	Sample Description	Date	Time	Matrix	Number Containers of each: Preservatives None	HNO_3	H_2SO_4	NaOH	VOC			Total Containers of Each Item
1	Grp 1			Liver								28
2	Grp 2			Liver								28
3	Grp 3			Liver								28
4	Grp 4			Liver								28
5	Grp 5			Liver								28
6	Grp 6			Liver								28
7				Li								
8												
9												
10												
11												
12												
13												

Comments

Chain of Custody initiated upon sample receipt. See attached specimen list for further information.

LAC 02/03/99

LAC 02/03/99

Item #	Relinquished By/Affiliation	Time	Date	Shipped Via	Received By/Affiliation	Time	Date
1-6				Airborne Express	Chris A Clemes 3M	04:30pm	02/03/99

See Reverse Side For Instructions

BACK TO MAIN

PROTOCOL

EXPLORATORY 28-DAY ORAL TOXICITY STUDY

WITH

TELOMER ALCOHOL, TELOMER ACRYLATE, PFHS AND PFOS (positive control)

BY DAILY GAVAGE

IN THE RAT

FOLLOWED BY A 14/28-DAY RECOVERY PERIOD

NOTOX Project 242933
NOTOX Substances 83484, 83493, 83502, 84456 and 84141
3M Test No. T-7023, T-7024, T-7022, T-7032, T-6295

BACK TO MAIN

TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS

NOTOX Project 242933
3M Test No. T-7023, T-7024
T-7022, T-7032, T-6295

PROTOCOL APPROVAL

STUDY DIRECTOR : Ir. S.C.M. de Hoog

.....

Date: 11 September 1998

SPONSOR: Marvin T. Case, DVM, PhD
Corporate Scientist
3M Toxicology Services

Marvin T Case

Date: 14 September 1998

BACK TO MAIN

TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX Project 242933

PREFACE

Sponsor	3M Toxicology Services 3M Center, Bldg 220-2E-02 St. Paul, MN 55144-1000 USA
Study Monitor	Marvin T. Case, DVM, PhD 3M Toxicology Services 3M Center, Bldg 220-2E-02 Telephone (651)- 733-5180 Fax (651)- 733-1773
Invoice Contact	Barbara Nelson 3M Procurement Operations 3M Center, Bldg 224-1N-04 St. Paul, MN 55144-1000 Telephone (651)- 733-0766 Fax (651)- 733-1799
Testing Facility	NOTOX B.V. Hambakenwetering 3 5231 DD 's-Hertogenbosch The Netherlands
Study Director	Ir. S.C.M. de Hoog
Pathology	Dr. J. Th. Wilson

BACK TO MAIN

STUDY PLAN

Start of Treatment

06 October 1998 (males)
08 October 1998 (females)

Start Recovery

04 November 1998 (males)
06 November 1998 (females)

Blood sampling

03 November 1998 (Main groups, males)
04 November 1998 (Main and Recovery groups 1 and 2, males)
05 November 1998 (Main groups, females)
06 November 1998 (Main and Recovery groups 1 and 2, females)
18 November 1998 (Recovery groups 1, males)
20 November 1998 (Recovery groups 1, females)
02 December 1998 (Recovery groups 2, males)
04 December 1998 (Recovery groups 2, females)

Urine collection

predose	: 29-30 September 1998	(Recovery groups 1 and 2)
day 7	: 11-12 October 1998	(Recovery groups 1 and 2, males)
day 7	: 13-14 October 1998	(Recovery groups 1 and 2, females)
day 14	: 18-19 October 1998	(Recovery groups 1 and 2, males)
day 14	: 20-21 October 1998	(Recovery groups 1 and 2, females)
end of treatment	: 03-04 November 1998	(Recovery groups 1 and 2, males)
end of treatment	: 05-06 November 1998	(Recovery groups 1 and 2, females)
end of recovery	: 17-18 November 1998	(Recovery groups 1, males)
end of recovery	: 19-20 November 1998	(Recovery groups 1, females)
end of recovery	: 01-02 December 1998	(Recovery groups 2, males)
end of recovery	: 03-04 December 1998	(Recovery groups 2, females)

Necropsy

03 November 1998 (Main groups, males)
04 November 1998 (Main groups, males)
05 November 1998 (Main groups, females)
06 November 1998 (Main groups, females)
18 November 1998 (Recovery groups 1, males)
20 November 1998 (Recovery groups 1, females)
02 December 1998 (Recovery groups 2, males)
04 December 1998 (Recovery groups 2, females)

Draft Report

26 March 1999

BACK TO MAIN

TEST SUBSTANCES

The sponsor is responsible for the completeness of all test substance data. All available information on characteristics of the test substance will be taken into account before start of the study in order to determine if they conflict with/might affect the proceeding of the study.

NOTOX SUBSTANCE 83484	(data will be added by protocol amendment)
Identification	TELOMER ALCOHOL (T-7023)
Description	
Batch	
Purity	
Test substance storage	
Stability under storage conditions	Stable
Expiry date	
Stability in vehicle	1% aqueous carboxymethyl cellulose: not indicated Corn oil: not indicated
Safety precautions	Gloves, goggles and face mask to ensure personnel health and safety
Disposal Category	
NOTOX SUBSTANCE 83493	(data will be added by protocol amendment)
Identification	TELOMER ACRYLATE (T-7024)
Description	
Batch	
Purity	
Test substance storage	
Stability under storage conditions	Stable
Expiry date	
Stability in vehicle	1% aqueous carboxymethyl cellulose: not indicated Corn oil: not indicated
Safety precautions	Gloves, goggles and face mask to ensure personnel health and safety
Disposal Category	

NOTOX SUBSTANCE 83502 (data will be added by protocol amendment)

Identification	(T-7022)
Description	
Batch	
Purity	
Test substance storage	
Stability under storage conditions	Stable
Expiry date	
Stability in vehicle	1% aqueous carboxymethyl cellulose: not indicated Corn oil: not indicated
Safety precautions	Gloves, goggles and face mask to ensure personnel health and safety
Disposal Category	

NOTOX SUBSTANCE 84456 (data will be added by protocol amendment)

Identification	PFHS (T-7032)
Description	
Batch	
Purity	
Test substance storage	
Stability under storage conditions	Stable
Expiry date	
Stability in vehicle	1% aqueous carboxymethyl cellulose: not indicated Corn oil: not indicated
Safety precautions	Gloves, goggles and face mask to ensure personnel health and safety
Disposal Category	

NOTOX SUBSTANCE 84141 (data will be added by protocol amendment)

Identification	PFOS (T-6295)
Description	
Batch	
Purity	
Test substance storage	
Stability under storage conditions	Stable
Expiry date	
Stability in vehicle	1% aqueous carboxymethyl cellulose: not indicated Corn oil: not indicated
Safety precautions	Gloves, goggles and face mask to ensure personnel health and safety
Disposal Category	

Vehicle	1% aqueous carboxymethyl cellulose or Corn oil, specific gravity 0.92
Rationale for vehicle	Based on trial formulations performed at NOTOX
Stability in vehicle	Stability over 4 hours will be determined by the sponsor

TEST SUBSTANCE FORMULATION

Method	Formulations (w/w) will be prepared daily within 4 hours prior to dosing. If necessary, adjustment will be made for specific gravity of vehicle.
Storage conditions	At ambient temperature

No chemical analysis of dose preparations will be performed.

PURPOSE AND RATIONALE

The nature and purpose of this exploratory study will be to determine and compare the relative oral toxicity in rats following oral (gastric gavage) doses administered daily over 28 days and identify developmental compounds of lesser toxicity for commercial development.

This study should provide part of a rational basis for toxicological risk assessment in man. The oral route was selected as it is a possible route of human exposure during manufacture, handling or use of the test substance.

GUIDELINES

This protocol was reviewed and agreed by the Article 14-functionary and the Ethical Committee of NOTOX as required by the Dutch Act on Animal Experimentation.
The study procedures described in this protocol will be based on the following guidelines:

1) EC Directive 96/54/EEC, Annex IV.D, replacing EEC Directive 67/548/EEC, Part B : Methods for the Determination of Toxicity and other Health Effects; B.7: "Repeated Dose (28 days) Toxicity (oral)". Official Journal of the European Communities No. L248, September 1996.

2) OECD Guideline for Testing of Chemicals, Guideline 407: "Repeated Dose 28-day Oral Toxicity Study in Rodents", Paris Cedex, 27 July 1995

This protocol, study procedures and the report will not be inspected by the NOTOX Quality Assurance Unit.

ARCHIVING

NOTOX B.V., will archive the following data for at least 10 years:
protocol, raw data, report and all specimens.
No data will be withdrawn without the sponsor's written consent.

BACK TO MAIN

TELOMER ALCOHOL/TELOMER ACRYLATE/ /PFHS/PFOS NOTOX Project 242933

TEST SYSTEM

Test System	Sprague Dawley rat Crl:CD BR, outbred, SPF quality. Recognised by international guidelines as the recommended test system (e.g. EPA, FDA, OECD, EEC). Females will be nulliparous and non-pregnant. Source : Charles River, Sulzfeld, Germany
Age at Start of Treatment	Approximately 6 weeks
Number of animals	84 males, 84 females
Randomisation	At least 5 days before study start, by computer-generated random algorithm according to body weight, with all animals within ± 20% of the sex mean. A health inspection will be performed prior to commencement of treatment to ensure that the animals are in a good state of health.
Identification	Earmark and tattoo

ALLOCATION

Group Identification	Test Substance	Number of animals males	females	Animal numbers males	females
1 Main group	Vehicle control	8	8	1- 8	97-104
1 Recovery group 1	Vehicle control	3	3	9-11	105-107
1 Recovery group 2	Vehicle control	3	3	13-15	109-111
2 Main group	Telomer Alcohol	8	8	17-24	113-120
2 Recovery group 1	Telomer Alcohol	3	3	25-27	121-123
2 Recovery group 2	Telomer Alcohol	3	3	29-31	125-127
3 Main group	Telomer Acrylate	8	8	33-40	129-136
3 Recovery group 1	Telomer Acrylate	3	3	41-43	137-139
3 Recovery group 2	Telomer Acrylate	3	3	45-47	141-143
4 Main group		8	8	49-56	145-152
4 Recovery group 1		3	3	57-59	153-155
4 Recovery group 2		3	3	61-63	157-159
5 Main group	PFHS	8	8	65-72	161-168
5 Recovery group 1	PFHS	3	3	73-75	169-171
5 Recovery group 2	PFHS	3	3	77-79	173-175
6 Main group	PFOS (positive control)	8	8	81-88	177-184
6 Recovery group 1	PFOS (positive control)	3	3	89-91	185-187
6 Recovery group 2	PFOS (positive control)	3	3	93-95	189-191

Test substances Telomer Alcohol (substance 83484), Telomer Acrylate (substance 83493) and (substance 83502) to be tested at a dose level of 30 mg/kg body weight/day.

PFHS (substance 84456) to be tested at a dose level of 10 mg/kg body weight/day.
PFOS (substance 84141) to be tested at a dose level of 3 mg/kg body weight/day.

BACK TO MAIN

ANIMAL HUSBANDRY

Conditions
Air-conditioned room with approximately 15 air changes per hour and controlled environment with optimal conditions being a temperature of 21 ± 3°C and a relative humidity of 30-70%. Lighting will be ± 12 hours artificial fluorescent light and ± 12 hours dark per day.

Accommodation
Group housing of 3-4 animals per sex per cage in stainless steel suspended cages with wire mesh floors. Acclimatisation period is at least 5 days before start of treatment under laboratory conditions.

Diet
Free access to standard pelleted laboratory animal diet (from Carfil Quality BVBA, Oud-Turnhout, Belgium). Each batch will be analysed for nutrients and contaminants are analysed on a regular basis. Results are examined and archived.

Water
Free access to tap-water. Certificates of analysis (performed quarterly) are examined and archived.

TREATMENT

Method	Oral gavage, using a stainless steel stomach tube. Formulations will be placed on a magnetic stirrer during dosing.
Frequency	Once daily for at least 28 days, approximately the same time each day, 7 days per week. Main group animals are dosed up to the day prior to necropsy.
Dose volume	5 ml/kg body weight. Actual dose volumes will be calculated weekly according to the latest body weight.
Dose level	Group 1: 0 mg/kg b.w./day (Vehicle Control) Group 2: 30 mg/kg b.w./day (Telomer Alcohol) Group 3: 30 mg/kg b.w./day (Telomer Acrylate) Group 4: 30 mg/kg b.w./day Group 5: 10 mg/kg b.w./day (PFHS) Group 6: 3 mg/kg b.w./day (PFOS, positive control)

RECOVERY

Duration	Recovery group 1: at least 14 days Recovery group 2: at least 28 days

OBSERVATIONS

Mortality / Viability	Twice daily. Animals showing pain, distress or discomfort, which is considered not transient in nature or is likely to become more severe, will be sacrificed for humane reasons. The time of death will be recorded as precisely as possible.
Clinical signs	Twice daily, detailed clinical observations will be made in all animals: once immediately after dosing and once approximately 4 hours after dosing. The time of onset, degree and duration will be recorded. All symptoms will be recorded and graded according to fixed scales (specified in the report).
Body weights	Treatment period : on days 1, 5, 8, 12, 15, 19, 22, 25 and 28. Recovery period : on days 1, 5, 8, 12, 14, 19, 22, 25 and 28.
Food consumption	Weekly.
Water consumption	Subjective appraisal will be maintained during the study and a quantitative assessment introduced in the event of a suspected treatment related effect.

CLINICAL LABORATORY INVESTIGATIONS (Main and Recovery group animals)

Blood samples will be collected under light ether anaesthesia, between 7.30 and 9.30 a.m. immediately prior to post mortem examination for Main and Recovery group animals, and for Recovery group animals also at the end of the treatment period. The animals will be fasted overnight (with a maximum of 20 hours) before blood sampling, but water will be provided. Blood samples will be drawn from the retro-orbital sinus of all Main and Recovery rats/sex/group and collected into tubes prepared with EDTA for haematological parameters (0.6 ml), with citrate for clotting tests (1.0 ml) and untreated tubes for clinical biochemistry parameters (>2.0 ml).

BACK TO MAIN

HAEMATOLOGY

The following haematology parameters will be determined from blood prepared with EDTA as an anti-coagulant, using the instruments listed:

Parameter	Unit	Instrumentation
Erythrocyte count	T/l	Sysmex K-1000
Haemoglobin	mmol/l	Sysmex K-1000
Haematocrit	l/l	Sysmex K-1000
Mean corpuscular volume	fl	Sysmex K-1000
Mean corpuscular haemoglobin	fmol	Sysmex K-1000
Mean corpuscular haemoglobin concentration	mmol/l	Sysmex K-1000
Platelet count	G/l	Sysmex K-1000
Red cell distribution width	%	Sysmex K-1000
Total leucocyte count	G/l	Sysmex K-1000
Differential leucocyte count	1(rel)	Manual (Microscope)

The following haematology parameters will be determined from blood prepared with citrate as an anti-coagulant, using the instruments listed:

Parameter	Unit	Instrumentation
Prothrombin time	sec	Sysmex CA-5000
Partial thromboplastin time	sec	Sysmex CA-5000

BACK TO MAIN

CLINICAL BIOCHEMISTRY

The following clinical biochemistry parameters will be determined from serum samples using the instruments listed:

Parameter	Unit	Instrumentation
Alanine aminotransferase	µkat/l	Epos selective analyser 5060 (Eppendorf)
Aspartate aminotransferase	µkat/l	Epos selective analyser 5060 (Eppendorf)
Bilirubin, total	µmol/l	Epos selective analyser 5060 (Eppendorf)
Cholesterol, total	mmol/l	Epos selective analyser 5060 (Eppendorf)
Triglycerides	mmol/l	Epos selective analyser 5060 (Eppendorf)
Creatinine	µmol/l	Epos selective analyser 5060 (Eppendorf)
Glucose	mmol/l	Epos selective analyser 5060 (Eppendorf)
Urea	mmol/l	Epos selective analyser 5060 (Eppendorf)
Protein, total	g/l	Epos selective analyser 5060 (Eppendorf)
Protein, albumin	g/l	Epos selective analyser 5060 (Eppendorf)
Protein, globulin	g/l	Calculation [Protein total - Albumin]
Albumin Globulin ratio	1	Calculation [Albumin/Globulin]
Alkaline phosphatase	µkat/l	Epos selective analyser 5060 (Eppendorf)
Sodium	mmol/l	EFIX 5055 Flame Photometer (Eppendorf)
Potassium	mmol/l	EFIX 5055 Flame Photometer (Eppendorf)
Chloride	mmol/l	Jenway PCLM3
Calcium	mmol/l	EFIX 5055 Flame Photometer (Eppendorf)
Phosphorus	mmol/l	Epos selective analyser 5060 (Eppendorf)

BACK TO MAIN

URINALYSIS (Recovery group animals only)

Urine samples will be collected overnight (approximately 16 hrs) from all animals assigned to the Recovery groups according to the following schedule:

- predose
- during the treatment period on days 7, 14 and at the end of treatment
- at the end of the recovery period, prior to scheduled necropsy.

During the sampling period animals will be deprived of food but water will be provided. Urine will be collected into a specimen vial, using a metabolism cage. After collection the samples will be frozen and stored at -20°C at NOTOX until further analysis.

PATHOLOGY

NECROPSY

All animals surviving to the end of the observation period and all moribund animals will be deeply anaesthetised using ether vapour and subsequently exsanguinated. All animals will be necropsied and descriptions of all macroscopic abnormalities will be recorded.

Prior to exsanguination a blood sample (1-2 ml) for serum collection will be taken from the aorta. Serum samples will be stored at -20°C at NOTOX until further analysis.

Samples of the following tissues and organs will be collected from all animals at necropsy and fixed in neutral phosphate buffered 4% formaldehyde solution:

Identification marks
Adrenal glands
Aorta
Brain
Caecum
Colon
Duodenum
Epididymides
Eyes with optic nerve and Harderian gland
Female mammary gland area
Heart
Ileum
Jejunum
Kidneys
Liver
Lung, infused with formalin
Lymph nodes - mandibular, mesenteric
Oesophagus
Ovaries
Pancreas

Peyer's patches (jejunum, ileum) if detectable
Pituitary gland
Prostate gland
Rectum
Salivary glands - mandibular
Sciatic nerve
Seminal vesicles
Spinal cord -cervical, midthoracic, lumbar
Spleen
Sternum with bone marrow
Stomach
Testes
Thymus
Thyroid including parathyroid
Trachea
Urinary bladder
Uterus
All gross lesions

ORGAN WEIGHTS

The following organ weights (and terminal body weight) will be recorded from the surviving animals on the scheduled day of necropsy:

Adrenal glands
Brain
Heart
Kidneys
Liver
Ovaries
Spleen
Testes

Both absolute and relative (% body weight) organ weight data will be included in the study report.

LIVER SAMPLING

From all animals surviving until the scheduled necropsy at least 1 gram of the left lateral liver lobe will be frozen in isopentane/N_2. Liver samples will be stored at -20°C at NOTOX until further analysis.

BACK TO MAIN

HISTOTECHNOLOGY

All organ and tissue samples, as defined under Histopathology (following), will be processed, embedded and cut at a thickness of 2-4 micrometers and stained with haematoxylin and eosin. Special stains will be used at the discretion of the pathologist.

HISTOPATHOLOGY

Slides of all underlined organs and tissues (see under Necropsy) collected at the scheduled sacrifice from all animals, as well as from all animals of all dose groups which died spontaneously or were terminated in extremis, and all gross lesions of all animals (all dose groups) will be examined by a pathologist. All abnormalities will be described and included in the report.

STATISTICAL ANALYSIS

The following statistical methods will be used to analyse the data:

If the variables can be assumed to follow a normal distribution, the Dunnett-test (many-to-one t-test) based on a pooled variance estimate will be applied for the comparison of the treated groups and the control groups for each sex.

The Steel-test (many-to-one rank test) will be applied instead of the Dunnett-test if the data can not be assumed to follow a normal distribution.

All tests will be two-sided and in all cases $p < 0.05$ will be accepted as the lowest level of significance.

Additional methods of statistical analysis may be used at the discretion of the Study Director. The methods and the results will be described in the report.

References:

- C.W. Dunnett
A Multiple Comparison Procedure for Comparing Several Treatments with a Control, J. Amer. Stat. Assoc. 50, 1096-1121 (1955).

- R.G. Miller
Simultaneous Statistical Inference, Springer Verlag, New York (1981).

DISTRIBUTION

This protocol will be distributed as follows:

Original:	Study Director
1 Copy:	Coordinating Biotechnician
1 Copy:	Clinical Pathology
1 Copy:	Necropsy/Histotechnique
1 Copy:	Histopathology
1 Copy:	Management
1 Copy:	Sponsor

BACK TO MAIN

NOTOX
Safety & Environmental Research B.V.

STF HIS 325/03

SPECIMEN DISPATCH LIST

NOTOX PROJECT: _242933_____ TEST SUBSTANCE: 83484, 83494, 83502, 84456, 84141

SPECIES: _RAT_____ SIGNATURE/DATE STUDY DIRECTOR: 29 January 1999

TO:

Name and adress company: 3 M Environmental Technology and Safety Services
Attn. Kris Hansen
935 Bush Avenue
Building 2-3E-09
St. Paul, MN 55133-3331
USA 001 651 778 6010 / 651 778 6480 (Kris Hansen) OR
tel. 001 651 733 5180 (Marvin T. Case) OR
001 651 737 2678 (Paul Lieder)

	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6
Animal numbers males	1-11 + 13-15	17-27 + 29-31	33-43 + 45-47	49-59 + 61-63	65-75 + 77-79	81-91 + 93-95
Animal numbers females	97-107 + 109-111	113-123+ 125-127	129-139+ 141-143	145-155+ 157-159	161-171+ 173-175	177-187 + 189-191
Number of liver samples	28	28	28	28	28	28

Also enclosed are :
[ ] Copy of Protocol/Amendments
[ ] Copies of histology raw data
[ ] Study results
[ ] Necropsy data transfer file
[ ]

DISPATCH:

Signature:..... Date: 29-01-1999

PLEASE SIGN AND RETURN THIS FORM AS SOON AS POSSIBLE AFTER RECEIPT:

COMPANY/SIGNATURE. Lisa A. Clemen 3M Date: 02/03/99 or Feb. 3 1999

Lisa A. Clemen

02/06/99 04:20 PM

Environmental Technology & Safety Services

(651) 778-5568

3M
Building 02-3E-09
PO Box 3331
St. Paul, MN 55133-3331
Fax: (651) 778-6176

To: Kris J. Hansen/US-Corporate/3M/US@3M-Corporate
Kari J. Rambo/US-Corporate/3M/US@3M-Corporate
Grant A. Paul/US-Corporate/3M/US@3M-Corporate
cc:
Subject: NOTOX 242933 Sample Receipt

On 02/03/99 we received 168 rat livers from NOTOX 242933 (TOX120, W1220). These samples were received frozen on dry ice and have been stored in Freezer 9 at -20 +\- 10C.

Lisa SAMPLES RECEIVED & VERIFIED BY BAG 02/09/99

BACK TO MAIN

NOTOX
Safety & Environmental Research B.V.

Hambakenwetering 3
P.O. Box 3476
5203 DL 's-Hertogenbosch
The Netherlands
Tel.: (073) 641 95 75
Fax: (073) 641 85 43

3M Environmental Technology and Safety Services
attn. Kris Hansen
935 Bush Avenue
Building 2-3E-09
St. Paul, MN 55133-3331
USA

Date : 29-JAN-99
Ref. : KIM
Subject: NOTOX Test Substance No. 83484, 83494, 83502, 84456, 84141

Dear Kris,

On request of Mrs. S. de Hoog herewith I send the liver samples (total 168) from NOTOX project 242933.

With kind regards,
NOTOX B.V.

Mariëtte de Kinkelder
Test Substance Officer

Astrid Straaijer

enclosure: a.m. Liver samples

BACK TO MAIN

NOTOX Project #242933 Feb. 4, 1999

The liver sample numbers listed below did not include a collection date on their containers. After reading the protocol, I wrote the collection date on each container. See below for dates. If these collection dates are not correct, please call me at 1-165-778-5568.

Regards, Lisa A. Clemen

LAC

Samples	Group	Collection Date Added
1	1	? 11/03/98
2	1	? 11/03/98
3	1	? 11/03/98
4	1	? 11/03/98
17	2	? 11/03/98
18	2	? 11/03/98
19	2	? 11/03/98
20	2	? 11/03/98
33	3	? 11/03/98
34	3	? 11/03/98
35	3	? 11/03/98
36	3	? 11/03/98
49	4	? 11/03/98
50	4	? 11/03/98
51	4	? 11/03/98
52	4	? 11/03/98
65	5	? 11/03/98
66	5	? 11/03/98
67	5	? 11/03/98
68	5	? 11/03/98
81	6	? 11/03/98
82	6	? 11/03/98
83	6	? 11/03/98
84	6	? 11/03/98

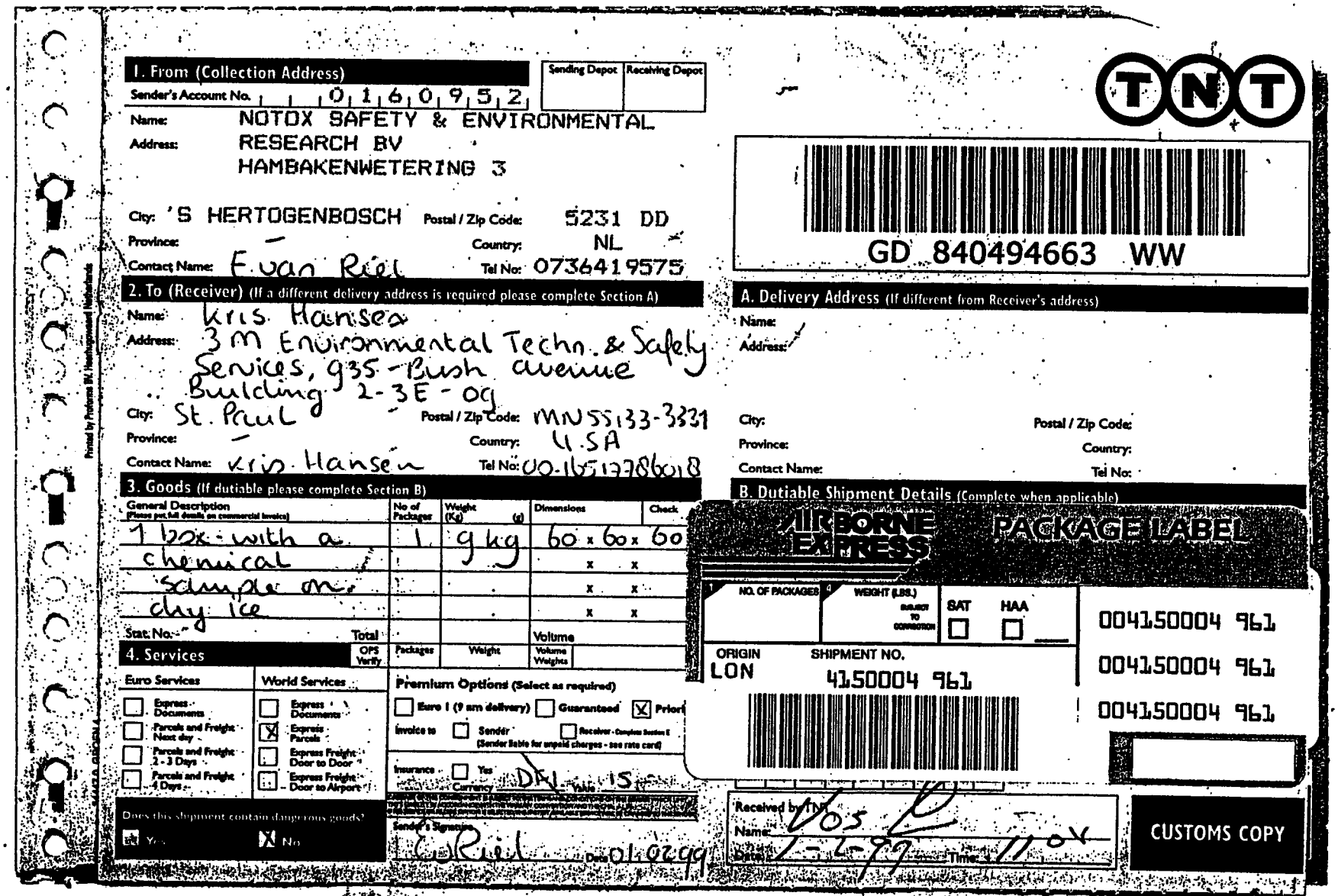
Samples	Group	Collection Date Added
109	1	? 12/04/98
110	1	? 12/04/98
111	1	? 12/04/98
125	2	? 12/04/98
126	2	? 12/04/98
127	2	? 12/04/98
141	3	? 12/04/98
142	3	? 12/04/98
143	3	? 12/04/98
157	4	? 12/04/98
158	4	? 12/04/98
159	4	? 12/04/98
173	5	? 12/04/98
174	5	? 12/04/98
175	5	? 12/04/98
189	6	? 12/04/98
190	6	? 12/04/98
191	6	? 12/04/98

BACK TO MAIN

NOTOX #242933

TOX120 Liver Samples Received 02/03/99

Samples	Group	Collection Date
1	1	11/03/98
2	1	11/03/98
3	1	11/03/98
4	1	11/03/98
5	1	11/04/98
6	1	11/04/98
7	1	11/04/98
8	1	11/04/98
9	1	11/18/98
10	1	11/18/98
11	1	11/18/98
13	1	12/02/98
14	1	12/02/98
15	1	12/02/98
17	2	11/03/98
18	2	11/03/98
19	2	11/03/98
20	2	11/03/98
21	2	11/04/98
22	2	11/04/98
23	2	11/04/98
24	2	11/04/98
25	2	11/18/98
26	2	11/18/98
27	2	11/18/98
29	2	12/02/98
30	2	12/02/98
31	2	12/02/98
33	3	11/03/98
34	3	11/03/98
35	3	11/03/98
36	3	11/03/98
37	3	11/04/98
38	3	11/04/98
39	3	11/04/98
40	3	11/04/98
41	3	11/18/98
42	3	11/18/98
43	3	11/18/98
45	3	12/02/98
46	3	12/02/98
47	3	12/02/98
49	4	11/03/98
50	4	11/03/98
51	4	11/03/98
52	4	11/03/98
53	4	11/04/98
54	4	11/04/98
55	4	11/04/98
56	4	11/04/98
57	4	11/18/98
58	4	11/18/98
59	4	11/18/98
61	4	12/02/98
62	4	12/02/98
63	4	12/02/98
65	5	11/03/98
66	5	11/03/98
67	5	11/03/98
68	5	11/03/98
69	5	11/04/98
70	5	11/04/98
71	5	11/04/98
72	5	11/04/98
73	5	11/18/98
74	5	11/18/98
75	5	11/18/98
77	5	12/02/98
78	5	12/02/98
79	5	12/02/98
81	6	11/03/98
82	6	11/03/98
83	6	11/03/98
84	6	11/03/98
85	6	11/04/98
86	6	11/04/98
87	6	11/04/98
88	6	11/04/98
89	6	11/18/98
90	6	11/18/98
91	6	11/18/98
93	6	12/02/98
94	6	12/02/98
95	6	12/02/98
97	1	11/05/98
98	1	11/05/98
99	1	11/05/98
100	1	11/05/98
101	1	11/06/98
102	1	11/06/98
103	1	11/06/98
104	1	11/06/98
105	1	11/20/98
106	1	11/20/98
107	1	11/20/98
109	1	12/04/98
110	1	12/04/98
111	1	12/04/98
113	2	11/05/98
114	2	11/05/98
115	2	11/05/98
116	2	11/05/98
117	2	11/06/98
118	2	11/06/98
119	2	11/06/98
120	2	11/06/98
121	2	11/20/98
122	2	11/20/98
123	2	11/20/98
125	2	12/04/98
126	2	12/04/98
127	2	12/04/98
129	3	11/05/98
130	3	11/05/98
131	3	11/05/98
132	3	11/05/98
133	3	11/06/98
134	3	11/06/98
135	3	11/06/98
136	3	11/06/98
137	3	11/20/98
138	3	11/20/98
139	3	11/20/98
141	3	12/04/98
142	3	12/04/98
143	3	12/04/98
145	4	11/05/98
146	4	11/05/98
147	4	11/05/98
148	4	11/05/98
149	4	11/06/98
150	4	11/06/98
151	4	11/06/98
152	4	11/06/98
153	4	11/20/98
154	4	11/20/98
155	4	11/20/98
157	4	12/04/98
158	4	12/04/98
159	4	12/04/98
161	5	11/05/98
162	5	11/05/98
163	5	11/05/98
164	5	11/05/98
165	5	11/06/98
166	5	11/06/98
167	5	11/06/98
168	5	11/06/98
169	5	11/20/98
170	5	11/20/98
171	5	11/20/98
173	5	12/04/98
174	5	12/04/98
175	5	12/04/98
177	6	11/05/98
178	6	11/05/98
179	6	11/05/98
180	6	11/05/98
181	6	11/06/98
182	6	11/06/98
183	6	11/06/98
184	6	11/06/98
185	6	11/20/98
186	6	11/20/98
187	6	11/20/98
189	6	12/04/98
190	6	12/04/98
191	6	12/04/98



TNT

1. From (Collection Address)

Sender's Account No. 0 1 6 0 9 5 2

Sending Depot | Receiving Depot

Name: NOTOX SAFETY & ENVIRONMENTAL
Address: RESEARCH BV
HAMBAKENWETERING 3

City: 'S HERTOGENBOSCH Postal / Zip Code: 5231 DD
Province: — Country: NL
Contact Name: F.van Riel Tel No: 0736419575

GD 840494663 WW

2. To (Receiver) (If a different delivery address is required please complete Section A)

Name: Kris Hansen
Address: 3M Environmental Techn. & Safety Services, 935-Bush avenue Building 2-3E-09
City: St. Paul Postal / Zip Code: MN55133-3331
Province: — Country: U.S.A
Contact Name: Kris Hansen Tel No: 00-1651778601 8

A. Delivery Address (If different from Receiver's address)

Name:
Address:
City: Postal / Zip Code:
Province: Country:
Contact Name: Tel No:

3. Goods (If dutiable please complete Section B)

General Description (Please put full details on commercial invoice)	No of Packages	Weight (Kg) (g)	Dimensions	Check
1 box with a	1	9 kg	60 x 60 x 60	
chemical			x x	
sample on			x x	
dry ice			x x	
Stat. No.	Total		Volume	

B. Dutiable Shipment Details (Complete when applicable)

4. Services

	OPS Verify	Packages	Weight	Volume Weights

Euro Services: Express Documents; Parcels and Freight Next day; Parcels and Freight 2 - 3 Days; Parcels and Freight 4 Days

World Services: Express Documents; Express Parcels; Express Freight Door to Door; Express Freight Door to Airport

Premium Options (Select as required): Euro 1 (9 am delivery); Guaranteed; Priority

Invoice to: Sender; Receiver - Complete Section E (Sender liable for unpaid charges - see rate card)

Insurance: Yes Currency: DFL Value: 15

Does this shipment contain dangerous goods? Yes / No

Sender's Signature: E.Riel Date: 01.02.99

AIRBORNE EXPRESS PACKAGE LABEL

NO. OF PACKAGES	WEIGHT (LBS.) SUBJECT TO CORRECTION	SAT	HAA
		☐	☐

ORIGIN: LON
SHIPMENT NO.: 4150004 961

004150004 961
004150004 961
004150004 961

Received by TNT
Name: Vos
Date: 2-2-99 Time: 11 0x

CUSTOMS COPY

BACK TO MAIN

DILUTIONS SUMMARY SHEET

Study: Tox 1180
Date/Analyst: Ext 2/22/99 RWW/SAH d.i 2/30/99 ICP
Solvent/TN Number: MeOH 2259
Matrix: ~~Mus~~ Rat Liver

sample number or description	DILUTIONS 1:25	1:5	1:2	1:	1:	1:	1:	1:	1:	Comments
101F-G1	X									
113F-G2		X								
114F										
115F										
116F										
117F										
118F										
119F										
120F										
121F										
122F										
123F										
125F										
126F										
127F										
129F Grp3			X							
130F										
131F										
132F										
133F										

Notes:

1:25 = 40uL sample + 960 MeOH
1:5 = 200uL sample + 800uL MeOH
1:2 = 500uL sample + 500uL MeOH

BACK TO MAIN

44-13TB

DILUTIONS SUMMARY SHEET

Study: TOX 180

Date/Analyst: Ext 2/22/99 Rwo/SAH 12/30/99 ICP

Solvent/TN Number: MeOH TNA 2259

Matrix: Rat Liver

sample number or description	DILUTIONS									
	1: 2	1:	1:	1:	1:	1:	1:	1:	1:	Comments
134F 63	X									
135F										
136F										
137F										
138F										
139F										
141F										
142F										
143F										

Notes:

1:2 = 500 ul sample + 500 ul MeOH

BACK TO MAIN

DILUTIONS SUMMARY SHEET

Study: TOX120
Dilution Date/Analyst: 3/10/99/RAW
Box #: 99-3713

Solvent/TN Number: MeOH/TN-A-2384
Extraction Date/Analyst: 2/22/99 - RAW/SAH
Matrix/Timepoint: Rat Liver

sample number or descrpition	DILUTIONS 1: 250	1: 1000	1:	1:	1:	1:	1:	1:	1:	Comments
DHO, 161F-G5	X									
162F-										
163F-										
164F-										
165F-										
166F-										
167F-										
168F-										
DNA 177F-G6		X								
178F-										
179F-										
180F-										
181F-										
182F-										
183F-										
184F-										
185F-										
186F-										
187F-										
189F-										
190F-										
191F-										

Notes:
1:250 = 4ul sample + 1000ul MeOH
1:1000 = 1ul sample + 1000ul MeOH

DILUTIONS SUMMARY SHEET

Study: TOx-80
Dilution Date/Analyst: 06 May 1999, SRP
Box #: 99-068 A13

Solvent/TN Number: MeOH, TN-A-2438
Extraction Date/Analyst: 19 Apr 1999, SAH, JCP, SRP & RWW
Matrix/Timepoint: Rat Liver

sample number or descrpition	DILUTIONS 1:500	1:250	1:25	1:	1:	1:	1:	1:	1:	Comments
65M G5	X									
66M	↓									
67M										
68M										
69M										
70M										
71M										
72M	✓									
73M		X								
74M		↓								
75M										
77M										
78M										
79M ↓		✓								
17M G3			X							
18M			↓							
19M										
20M										
21M										
22M ↓			✓							

Notes: d.1 1:500 = 2.0 µL ~~+998~~ (RP) 06 May 1999, SRP Sample : 998 µL MeOH
1:250 = 4.0 µL Sample : 996 µL MeOH
1:25 = 40 µL Sample : 960 µL MeOH

BACK TO MAIN

DILUTIONS SUMMARY SHEET

Study: TOX-120
Dilution Date/Analyst: 06 May 1999, SRP
Box #: 99-068 A+B

Solvent/TN Number: MeOH, TN-A-2438
Extraction Date/Analyst: 19 Apr 1999, SAH, JCP, SRP + RWW
Matrix/Timepoint: Rat Liver

sample number or descrpition	DILUTIONS									
	1: 25	1: 10	1:	1:	1:	1:	1:	1:	1:	Comments
23M ~~G3~~ G2	X									
24M	↓									
25M										
26M										
33M G3										
34M										
35M										
36M										
37M										
38M										
39M										
40M	↓									
27M G2		X								
29M		↓								
30M										
31M										
42M G3										
43M										
45M										
46M		↓								

Notes: dil 1:25 = 40 µL Sample : 960 µL MeOH
1:10 = 100 µL Sample : 900 µL MeOH

DILUTIONS SUMMARY SHEET

Study: TOX-120
Dilution Date/Analyst: 06 May 1999, SRP
Box #: 99-065 A+B

Solvent/TN Number: MeOH, TN-A-2437
Extraction Date/Analyst: 19 Apr 1999, SAH, JCP, SRP, RWW
Matrix/Timepoint: Rat Liver

sample number or descrpition	DILUTIONS									
	1:10	1:	1:	1:	1:	1:	1:	1:	1:	Comments
47M 63	X									

Notes: d.i 1:10 = 100 µL Sample : 990 µL MeOH
900 µL (RE) 06 May 1999, SRP

DILUTIONS SUMMARY SHEET

Study: TOX-120
Dilution Date/Analyst: 5-27-99 / sw
Box #: 99-068A&B

Solvent/TN Number: MeOH / TN-A-2506
Extraction Date/Analyst: 4-19-99 / RWW-JCP-SRP-SAH
Matrix/Timepoint: Rat Liver

sample number or descrpition	DILUTIONS									
	1:10	1:	1:	1:	1:	1:	1:	1:	1:	Comments
41M 63	D10									5-27-99 sw

Notes:
1:10 is 100µL of sample 900µL MeOH (5-27-99/sw)

DILUTIONS SUMMARY SHEET

Study: TOX-120
Dilution Date/Analyst: 5/25/99-SAH
Box #: 99-068B

Solvent/TN Number: MeOH / TN-A-2506
Extraction Date/Analyst: 4/19/99 - SAH/RWW/SRP/JCP
Matrix/Timepoint: Rat liver / Grp 6-male

sample number or descrpition	DILUTIONS									
	1: 1000	1:	1:	1:	1:	1:	1:	1:	1:	Comments
81M, Grp 6	D1000									
82M,										
83M,										
84M,										
85M,										
86M,										
87M,										
88M,										
89M,										
90M,										
91M,										
93M,										
94M,										
95M,										

SAH 5/25/99

Notes:

D1000 = 1 uL sample + 1000 uL methanol

BACK TO MAIN

DILUTIONS SUMMARY SHEET

Study: TOX-120
Dilution Date/Analyst: 4/22/99 ; SAH
Box #: Box 99-068 A&B

Solvent/TN Number: MeOH / TN-A-2438
Extraction Date/Analyst: 4/19/99 ; RWW/SCP/SCP/SAH
Matrix/Timepoint: Rat Liver / Group 4

sample number or descrpition	DILUTIONS									
	1: 10	1:	1:	1:	1:	1:	1:	1:	1:	Comments
49M 64	D10									
50M 64										
51M 64										
52M 64										
53M 64										
54M 64										
55M 64										
56M 64										

Notes:

D10 = 100 uL sample + 900 uL methanol

Sample weights/Volumes

Prep Date(s): 4/15/99
Analyst(s): RWW-JCP-SRP
Sample Matrix: Rat Liver
Method/Revision: FACT-M-1.0
Target Analyte(s):

Study Number: TOX120
Equipment Number:
Notebook# and Page:
Final Solvent/TN Number:

Sample ID	Initial Wt./Vol. g/mL/L	#ml MQ Water Added	Density(g/ml)	Comments
1M G1	0.6518	3.3		
2M G1	0.6999	3.5		
3M G1	0.9162	4.6		
4M G1	0.6826	3.4		
5M G1	0.8920	4.5		
6M G1	0.9098	~~4.6~~ 5.2		
7M G1	0.8965	4.5		
8M G1	0.8267	4.1		
9M G1	0.6344	3.2		
10M G1	0.6972	3.5		
11M G1	0.8504	4.3		
13M G1	1.0701	5.4		
14M G1	0.9044	4.5		
15M G1	0.8511	4.3		
17M G2	1.0503	5.3		
18M G2	0.9993	5.0		
19M G2	0.5839	2.9		
20M G2	0.5331 ② ~~0.7248~~	2.7		
21M G2	0.7957 ② ~~0.5990~~	4.0		
22M G2	1.0663 ② ~~0.5618~~	5.3		
23M G2	0.7248	3.6		
24M G2	0.5990	3.0		
25M G2	0.5618	2.8		
26M G2	0.7356	3.7		
27M G2	0.9176	4.6		

Summary of method:
All samples prefixed by DRO
All samples homogenized as in FACT-M-1.0 - steps 12.1 to 12.10 except use weights & volumes shown (Many cases used all available sample)

Notes:
① Add wrong amount of M.I.Q water JCP 4/15/99
② RE JCP 4/15/99

Form Approved by/Date:_____

Sample weights/Volumes

Prep Date(s): 4/15/99
Analyst(s): RNW-JCP-SRP
Sample Matrix: Rat Liver
Method/Revision: FACT-M-1.0
Target Analyte(s):

Study Number: TOX120
Equipment Number:
Notebook# and Page:
Final Solvent/TN Number:

Sample ID	Initial Wt./Vol. g/mL/L	#ml MQ Water Added	Density(g/ml)	Comments
29M G2	0.9513	~~4.8~~ 4.8 (1.)		
30M G2	1.0855	5.4		
31M G2	0.9514	4.8		
33M G3	0.6489	3.2		
34M G3	0.6715	3.4		
35M G3	0.5880	~~2.94~~ 3.0	(1.)	
36M G3	0.9225	4.6		
37M G3	0.5915	3.0		
38M G3	0.5744	2.9		
39M G3	0.7240	3.6		
40M G3	0.6670	~~3.35~~ (1.)		
41M G3	1.0153	5.08		
42M G3	0.7343	3.7		
43M G3	0.9065	4.5		
45M G3	1.0667	5.3		
46M G3	0.9633	4.8		
47M G3	0.9711	4.9		
49M G4	0.6242	3.1		
50M G4	0.7173	3.6		
51M G4	0.6415	3.2		
52M G4	0.5576	2.8		
53M G4	0.7844	3.9		
54M G4	0.7968	~~4.0~~		
55M G4	0.5707	2.9		
56M G4	0.4519	2.3		

Summary of method:

Notes:
(1.) RE ICP 4/19/99

Form Approved by/Date:_____

Sample weights/Volumes

Prep Date(s): 4/15/99
Analyst(s): RAW-JCP-SRP
Sample Matrix: Rat Liver
Method/Revision: FAAT-M-1.0
Target Analyte(s):

Study Number: TOX120
Equipment Number:
Notebook# and Page:
Final Solvent/TN Number:

Sample ID	Initial Wt./Vol. g/mL/L	#ml MQ Water Added	Density(g/ml)	Comments
57M G4	0.9539	4.8		
58M G4	0.9178	4.6		
59M G4	0.6895	3.4		
61M G4	1.0716	5.4		
62M G4	1.0888	5.4		
63M G4	0.9025	4.5		
65M G5	1.0483	5.2		
66M G5	0.8061	4.0		
67M G5	0.9873	4.9		
68M G5	1.0298	5.1		
69M G5	0.9877	4.9		
70M G5	0.9902	4.5 RC,15Apr99 JP 5.0		
71M G5	0.9516	4.8		
72M G5	1.0686	5.3		
73M G5	1.0278	5.1		
74M G5	0.6326	3.2		
75M G5	0.9960	5.0		
77M G5	0.9930	5.0		
78M G5	0.7503	3.8		
79M G5	1.0903	5.5		
81M G6	0.9449	4.7		
82M G6	0.7364	3.7		
83M G6	0.9703	4.9		
84M G6	0.7725	3.9		
85M G6	1.0678	5.3		

Summary of method:

Notes:

Form Approved by/Date:_____

Sample weights/Volumes

Prep Date(s): 4/15/99
Analyst(s): RWU-ICP-5RP
Sample Matrix: Rat Liver
Method/Revision: PACT-M-1.0
Target Analyte(s):

Study Number: TOX120
Equipment Number:
Notebook# and Page:
Final Solvent/TN Number:

Sample ID	Initial Wt./Vol. g/mL/L	#ml MQ Water Added	Density(g/ml)	Comments
86M G6	0.9280	4.6		
87M G6	0.8382	4.2		
88M G6	0.9868	4.9		
89M G6	1.0860	5.4		
90M G6	1.0531	5.3		
91M G6	1.0533	5.3 TE RWU 4/15/99		
93M G6	0.9052	4.5		
94M G6	1.0241	5.1		
95M G6	1.1037	5.5		

Summary of method:

Notes:

Form Approved by/Date:_____

Extraction Worksheet ETS-8-4.0

Study # Tox 120 Box # 99-068 A+B Matrix Rat Liver	Surrogate Std approx. ppm actual/100 ppm # 99012-3-24	FC-Mix approx. 0.5 ppm actual ppm # 99011-16-2	FC-Mix approx. 5 ppm actual ppm # 99011-16-1	FC-Mix approx. 50 ppm actual ppm # 99011-12-1	Date and Initials for Std. or Comments
RBL 041999 -RatBLK-H2	5ul	-	-	-	RWW-4/19/99
-L BLK-H2	↓	-	-	-	↓
-5ppb-H2		2ul			
-10ppb-H2		4ul			
-25ppb-H2		10ul			
-50ppb-H2		20ul			
-100ppb-H2		40ul			
-250ppb-H2			10ul		
-500ppb-H2			20ul		
-750ppb-H2		-	30ul	-	
-1000ppb-H2	↓	-	-	4ul -	↓
		-	-	-	XCP-SRP-4/16/99
1M G1		-	-	-	
2M G1		-	-	-	
3M G1		-	-	-	
4M G1		-	-	-	
5M G1		-	-	-	
6M G1		-	-	-	
7M G1		-	-	-	
8M G1		-	-	-	
9M G1		-	-	-	
10M G1		-	-	-	
11M G1		-	-	-	
13M G1		-	-	-	
14M G1		-	-	-	
15M G1		-	-	-	
17M G2		-	-	-	
18M G2	↓	-	-	-	↓

[1] Study number where the original worksheet is located.

Blank Rabbit Liver	Std # 99012-5-20	amount = 1.0	mL	4/16/99 - JCP
Serum Extraction Method	: FACT-M-1.0			**Date & Initials**
Vortex 15 sec.				4/16/99 - JCP
Pipette Matrix	Volume 1.0 ml			↓
Pipette 1 ml of 0.5 M TBA, pH 10.	Std. # 99011-4-2			SAH/RWW 4/19/99
Pipette 2 ml of 0.25 Na_2CO_3/0.25M $NaHCO_3$ buffer	Std. # 99011-150			
Dispense 5 ml of methyl-t-butyl ether	TN-A- 2259			
Shake 20 min.				
Centrifuge 20-25 min.	Centrifuge speed: 2500			
Remove a 4 mL aliquot of organic layer				
Put on Nitrogen Evaporator to dryness	Evaporator #:	Temperature:		
Add methanol	Volume 1.0 ml	TN-A- 2438		
Vortex 30 sec.				
Filter using a 3cc B-D syringe with a 0.2µm filter into a 1.5 ml autosample vial				

MS/MSD/ 18 Cont. Checks: Spiked 10 uL of a 5 ppm std (99011-L-1) for a final concentration of 6.250 ppm. MS/MSD used sample (1) below. Cont. Checks used same matrix as for std curve.
Surrogate Standard: Spiked 10 uL of a 5 ppm std (99011-16-1) to all samples, standards, and blanks
(1) MS1-MSD1-Spike 5MG1, MS2-MSD2-Spike 6MG1, MS3-MSD3-Spike 13MG1

Extraction Worksheet ETS-8-4.0

Study # TOX-120 Box # 99-168 A+B Matrix Rat Liver	Surrogate Std approx. ppm actual 100 ppm # 99012-3-24	FC-Mix approx. 0.5 ppm actual ppm #	FC-Mix approx. 5 ppm actual ppm #	FC-Mix approx. 50 ppm actual ppm #	Date and Initials for Std. or Comments
19M 62 -	5 uL	-	-	-	JCP-SAH 4/16/99
20M 62 -		-	-	-	
21M 62 -					
22M 62 -					
23M 62 -					
24M 62 -					
25M 62 -					
26M 62 -					
27M 62 -					
29M 62		-	-	-	
30M 62		-	-	-	
31M 62		-	-	-	
33M 63		-	-	-	
34M 63		-	-	-	
35M 63		-	-	-	
36M 63		-	-	-	
37M 63		-	-	-	
38M 63		-	-	-	
39M 63		-	-	-	
40M 63		-	-	-	
41M 63		-	-	-	
42M 63		-	-	-	
43M 63		-	-	-	
45M 63		-	-	-	
46M 63		-	-	-	
47M 63		-	-	-	
49M 64		-	-	-	
50M 64		-	-	-	

[1] Study number where the original worksheet is located.

Blank Rabbit Liver	Std # 99012-5-20	amount = 1.0	mL density = 0.1809 g/mL	
Serum Extraction Method	: FACT-M-1.0			**Date & Initials**
Vortex 15 sec.				4/16/99-JCP
Pipette Matrix	Volume 1.0	ml		
Pipette 1 ml of 0.5 M TBA, pH 10.	Std. # 99011-4-2			SAH/EWW 4/19/99
Pipette 2 ml of 0.25 Na_2CO_3/0.25M $NaHCO_3$ buffer	Std. # 99011-150			
Dispense 5 ml of methyl-t-butyl ether	TN-A- 2259			
Shake 20 min.				
Centrifuge 20-25 min.	Centrifuge speed: 3500 rpm			
Remove a 4 mL aliquot of organic layer				
Put on Nitrogen Evaporator to dryness	Evaporator #:	Temperature:		SAH 4/19/99
Add methanol	Volume 1.0 ml	TN-A- ~~2278~~ RE 2438		
Vortex 30 sec.				
Filter using a 3cc B-D syringe with a 0.2µm filter into a 1.5 ml autosample vial				

MS/MSD/18 Cont. Checks: Spiked 10 uL of a 5 ppm std (99011-16-1) for a final concentration of 0.250 ppm. MS/MSD used sample ① below. Cont. Checks used same matrix as for std curve.
Surrogate Standard: Spiked 10 uL of a 5 ppm std (99011-16-1) to all samples, standards, and blanks

① MS1/MSD1 - spike 3M G1, MS2/MSD2 - spike 6M G1, MS3/MSD3 - spike 13M G1

Extraction Worksheet ETS-8-4.0

Study # TOX-120 Box # 99-068 A+B Matrix Rat Liver	Surrogate Std approx. ppm actual 100 ppm # 99012-3-24	FC-Mix approx. 0.5 ppm actual ppm #	FC-Mix approx. 5 ppm actual ppm #	FC-Mix approx. 50 ppm actual ppm #	Date and Initials for Std. or Comments
S1M G4 -	5 uL	-	-	-	JCP-SRP-4/16/99
S2M G4 -		-	-	-	
S3M G4 -					
S4M G4 -					
S5M G4 -					
S6M G4 -					
S7M G4 -					
S8M G4 -					
S9M G4 -					
61M G4		-	-	-	
62M G4		-	-	-	
63M G4		-	-	-	
65M G5		-	-	-	
66M G5		-	-	-	
67M G5		-	-	-	
68M G5		-	-	-	
69M G5		-	-	-	
70M G5		-	-	-	
71M G5		-	-	-	
72M G5		-	-	-	
73M G5		-	-	-	
74M G5		-	-	-	
75M G5		-	-	-	
77M G5		-	-	-	
78M G5		-	-	-	
79M G5		-	-	-	
81M G6		-	-	-	
82M G6	↓	-	-	-	↓

[1] Study number where the original worksheet is located.

Blank Rabbit Liver	Std # 99012-5-20	amount = 1.0 mL	density = 0.1803 g/mL
Serum Extraction Method	: EXT-M-1.0		**Date & Initials**
Vortex 15 sec.			4/16/99-JCP
Pipette Matrix	Volume 1.0 ml		↓
Pipette 1 ml of 0.5 M TBA, pH 10.	Std. # 99011-4-2		SAH/RWW 4/19/99
Pipette 2 ml of 0.25 Na_2CO_3/0.25M $NaHCO_3$ buffer	Std. # 99011-150		
Dispense 5 ml of methyl-t-butyl ether	TN-A- 2259		
Shake 20 min.			
Centrifuge 20-25 min.	Centrifuge speed: 3500 rpm		
Remove a 4 mL aliquot of organic layer			
Put on Nitrogen Evaporator to dryness	Evaporator #:	Temperature:	
Add methanol	Volume 1.0 ml	TN-A- 2438	
Vortex 30 sec.			
Filter using a 3cc B-D syringe with a 0.2µm filter into a 1.5 ml autosample vial			

MS/MSD/ 18 Cont. Checks: Spiked 10 uL of a 5 ppm std (99011-16-1) for a final concentration of 0.250 ppm. MS/MSD used sample ① below. Cont. Checks used same matrix as for std curve.
Surrogate Standard: Spiked 10 uL of a 5 ppm std (99011-16-1) to all samples, standards, and blanks

① MS1/MSD1 - spike 3M G1, MS2/MSD2 - spike 6M G1, MS3/MSD3 - spike 13M G1

Extraction Worksheet ETS-8-4.0

Study # TOX-120 Box # 99-068 A+B Matrix Rat Liver	Surrogate Std approx. ppm actual/00 ppm # 99012-3-24	FC-Mix approx. 0.5 ppm actual ppm #	FC-Mix approx. 5 ppm actual ppm # 99011-16-1	FC-Mix approx. 50 ppm actual ppm #	Date and Initials for Std. or Comments
(1) 83M G6 -	5 µL	-	-	-	JCP-SRP-4/16/99
84M G6 -		-	-	-	
85M G6 -					
86M G6 -					
87M G6 -					
88M G6 -					
89M G6 -					
90M G6 -					
91M G6 -					
93M G6		-	-	-	
94M G6		-	-	-	
95M G6		-	-	-	
3M G1-MS		-	10µL -	-	RWW-4/19/99
3M G1-MSD		-	-	-	
6M G1-MS		-	-	-	
6M G1-MSD		-	-	-	
13M G1-MS		-	-	-	
13M G1-MSD		-	-	-	
		-	-	-	
(1) For sample 83M G6 only 3.5mL of the MTBE was drawn off due to the loss of some MTBE when centrifuging that sample. SAH 4/19/99		-	-	-	
		-	-	-	
		-	-	-	
SAH 4/19/99		-	-	-	
		-	-	-	
		-	-	-	
		-	-	-	

[1] Study number where the original worksheet is located.

Blank Rabbit Liver	Std # 99012-5-20	amount = 1.0 mL	density = 0.1809 gm/mL
Serum Extraction Method	: FACT-M-1.0		**Date & Initials**
Vortex 15 sec.			4/16/99-JCP
Pipette Matrix	Volume 1.0 ml		↓
Pipette 1 ml of 0.5 M TBA, pH 10.	Std. # 99011-4-2		SAH/RWW 4/19/99
Pipette 2 ml of 0.25 Na_2CO_3/0.25M $NaHCO_3$ buffer	Std. # 99011-150		
(1) Dispense 5 ml of methyl-t-butyl ether	TN-A- 2259		
Shake 20 min.			
Centrifuge 20-25 min.	Centrifuge speed: 3500 rpm		
Remove a 4 mL aliquot of organic layer			
Put on Nitrogen Evaporator to dryness	Evaporator #:	Temperature:	
Add methanol	Volume 1.0 ml	TN-A- 2438	
Vortex 30 sec.			
Filter using a 3cc B-D syringe with a 0.2µm filter into a 1.5 ml autosample vial			

MS/MSD/ 18 Cont. Checks: Spiked 10 uL of a 5 ppm std (99011-16-1) for a final concentration of 0.250 ppm. MS/MSD used sample (2) below. Cont. Checks used same matrix as for std curve.
Surrogate Standard: Spiked 10 uL of a 5 ppm std (99011-16-1) to all samples, standards, and blanks
(2) MS1/MSD1 - spike 3M G1, MS2/MSD2 - spike 6M G1, MS3/MSD3 - spike 13M G1

Ion Pair Standard Curves--TOX-120 (Rat Liver)

Prep Date(s): 4/19/99
Analyst(s): SAH/RWW/JCP/SRP
Sample Matrix: Rat Liver
Method/Revision: FACT-M-1.0
Target Analyte(s): POAA, PFOS, , PFHS, M513 and M613

Study Number: TOX-120
Equipment Number:
Final Solvent & TN Number: MeOH / TN-A-2438
Blank Tissue/Identifier: Rabbit Liver / 99012-5-20

FC Mix Std Approx. 0.500 ppm: 99011-16-2
FC Mix Std Approx. 5.00 ppm: 99011-16-1
FC Mix Std Approx. 50.0 ppm: 99011-124
Surrogate Std Approx. 100 ppm: 99012-3-24

Actual Concentrations of Standards in the FC Mix

POAA Std Conc. ug/mL	PFOS Std Conc. ug/mL	Std Conc. ug/mL	PFHS Std Conc. ug/mL	M513 Std Conc. ug/mL	M613 Std Conc. ug/mL	All Am't Spiked mL	All Density g
0.500	0.500	0.500	0.500	0.500	0.500	0.002	0.180
0.500	0.500	0.500	0.500	0.500	0.500	0.004	0.180
0.500	0.500	0.500	0.500	0.500	0.500	0.010	0.180
0.500	0.500	0.500	0.500	0.500	0.500	0.020	0.180
0.500	0.500	0.500	0.500	0.500	0.500	0.040	0.180
5.00	5.00	5.00	5.00	5.00	5.00	0.010	0.180
5.00	5.00	5.00	5.00	5.00	5.00	0.020	0.180
5.00	5.00	5.00	5.00	5.00	5.00	0.030	0.180
50.0	50.0	50.0	50.0	50.0	50.0	0.004	0.180

Calculated Concentrations of Standards in the Sample Matrix.

POAA Final Conc. ng/g	PFOS Final Conc. ng/g	Final Conc. ng/g	PFHS Final Conc. ng/g	M513 Final Conc. ng/g	M613 Final Conc. ng/g	Surrogate Std Conc. ug/mL	All Am't Spiked mL
5.56	5.56	5.56	5.56	5.56	5.56	100	0.005
11.1	11.1	11.1	11.1	11.1	11.1	**Surrogate Final Conc. ng/g**	**Surrogate Final Conc. ng/mL**
27.8	27.8	27.8	27.8	27.8	27.8		
55.6	55.6	55.6	55.6	55.6	55.6		
111	111	111	111	111	111	2778	500
278	278	278	278	278	278		
556	556	556	556	556	556		
833	833	833	833	833	833		
1111	1111	1111	1111	1111	1111		

Ion Pair Extraction Worksheet

Study #	Surrogate Std	FC Mix Std	FC Mix Std	FC Mix Std	Date and Initials for Std. or Comments
TOX 120 Rat Liver	approx. ppm actual 1605 ppm #W 98094-124	approx. 0.5 ppm actual ppm #W 99011-IC-2	approx. 5 ppm actual ppm #W 99011-IC-1	approx. 50 ppm actual ppm #W 99011-124	
H_2O Blank -142	5ul				RWW/SAH 2/22/99
Rabbit Liver Blank-142					
RBL-02229-5ppb-142		2ul			
-10ppb-		4ul			
-25ppb-		10ul			
-50ppb-		20ul			
-100ppb-		40ul			
-250ppb-			10ul		
-500ppb-			20ul		
-750ppb-			30ul		
-1000ppb-				4ul	
-250ppb-CCV-1	18		10ul		
DNO.10GF-G1-250ppb MS			10ul		
-250ppb MSD			10ul		
DNO.110F-G1-250ppb MS			10ul		
-250ppb MSD			10ul		
See Sample Weight Volume pages for samples run.					

SAH 2/22/99

Blank Rabbit Liver Std # 98099-15-3 amount = 1.0ml 0.167g/ml

	Date & Initials
Extraction Method Number/Revision:	
Add Surrogate, Vortex 15 sec.	SAH/RWW 2/22/99
Pipette Sample Volume 1.0 mL	
Pipette 1 mL of 0.5 M TBA, pH 10. Std. # 98094-14-15	
Pipette 2 mL of 0.25 Na_2CO_3/0.25M $NaHCO_3$ buffer Std. # 99012-95	
Pipette 5 mL of ~~ethyl acetate~~ mtBE RWW-2/22/99 TN-A- 2259	
Shake 20 min.	
Centrifuge 20-25 min. Centrifuge speed: 3500	
Remove a 4 mL aliquot of organic layer	
Put on Nitrogen Evaporator to dryness Evaporator #: Temperature: Room Temp	
Add methanol Volume 1.0 mL TN-A- 2325	
Vortex 30 sec.	
Filter using a 3cc B-D syringe with a 0.2µm SRI filter into a 1.5 mL autosample vial	

MS/MSD/ 18 Cont. Checks: Spiked 10 uL of a 5 ppm std (99011-IC-1) for a final concentration of 250 ppb. MS/MSD used sample Above. Cont. Checks used same matrix as for std curve.

Additional Comments:

Box 99-037 A+B

BACK TO MAIN

Ion Pair Standard Curves--TOX-120 (Rat Liver)

Prep Date(s): 2/22/99
Analyst(s): RWW/SAH
Sample Matrix: Rat Liver
Method/Revision: FACT-M-1.0
Target Analyte(s): POAA, PFOS, PFHS, M513 & M613

Study Number: TOX-120
Equipment Number:
Final Solvent & TN Number: MeOH / TN-A-2325
Blank Tissue/Identifier: Rabbit Liver / 98099-15-3

FC Mix Std Approx. 0.500 ppm: 99011-16-2
FC Mix Std Approx. 5.00 ppm: 99011-16-1
FC Mix Std Approx. 50.0 ppm: 99011-124
Surrogate Std Approx. 16.5 ppm: 98094-12-24

Actual Concentrations of Standards in the FC Mix.

POAA Std Conc. ug/mL	PFOS Std Conc. ug/mL	Std Conc. ug/mL	PFHS Std Conc. ug/mL	M513 Std Conc. ug/mL	M613 Std Conc. ug/mL	All Am't Spiked mL	All Density g
0.500	0.500	0.500	0.500	0.500	0.500	0.002	0.167
0.500	0.500	0.500	0.500	0.500	0.500	0.004	0.167
0.500	0.500	0.500	0.500	0.500	0.500	0.010	0.167
0.500	0.500	0.500	0.500	0.500	0.500	0.020	0.167
0.500	0.500	0.500	0.500	0.500	0.500	0.040	0.167
5.00	5.00	5.00	5.00	5.00	5.00	0.010	0.167
5.00	5.00	5.00	5.00	5.00	5.00	0.020	0.167
5.00	5.00	5.00	5.00	5.00	5.00	0.030	0.167
50.0	50.0	50.0	50.0	50.0	50.0	0.004	0.167

Calculated Concentrations of Standards in the Sample Matrix.

POAA Final Conc. ng/g	PFOS Final Conc. ng/g	Final Conc. ng/g	PFHS Final Conc. ng/g	M513 Final Conc. ng/g	M613 Final Conc. ng/g
5.99	5.99	5.99	5.99	5.99	5.99
12.0	12.0	12.0	12.0	12.0	12.0
29.9	29.9	29.9	29.9	29.9	29.9
59.9	59.9	59.9	59.9	59.9	59.9
120	120	120	120	120	120
299	299	299	299	299	299
599	599	599	599	599	599
898	898	898	898	898	898
1198	1198	1198	1198	1198	1198

Surrogate Std Conc. ug/mL	All Am't Spiked mL
16.5	0.005

Surrogate Final Conc. ng/g
494

MS/MSD	Initial Wt. (g):	Initial Volume (mL):	Am't Spiked (mL):
106F-G1	0.9240	4.6	0.010
110F-G1	0.9242	4.6	0.010

	POAA Final Conc. ng/g	PFOS Final Conc. ng/g	Final Conc. ng/g	PFHS Final Conc. ng/g	M513 Final Conc. ng/g	M613 Final Conc. ng/g
106F-G1	299	299	299	299	299	299
110F-G1	299	299	299	299	299	299

Sample Weights/ Volumes

Prep Date(s): 2/18/99
Analyst(s): RWW
Sample Matrix: Rat Liver
Method/Revision: FACT-M-1.0
Target Analyte(s):

Study Number: G52TOX120
Equipment Number:
Notebook# and Page:
Final Solvent: MQ water

Sample ID	Initial (Wt/Vol. g/mL/L)	ml water	density gm/mL	Comments
NO.97F-G1 *	0.5221	2.6	0.167	
DNO.98F-G1	0.4339	2.2	0.165	
DNO.99F-G1	0.3106	1.5	0.172	
DNO.100F-G1	0.5984	3.0	0.166	
DNO.101F-G1	0.6370	3.2	0.166	
DNO.102F-G1	0.4313	2.2	0.164	
DNO.103F-G1	0.4981	2.5	0.166	
DNO.104F-G1	0.8716	4.1	0.165	
DNO.105F-G1	0.6936	3.5	0.165	
DNO.106F-G1	0.9240	4.6	0.167	
DNO.107F-G1	0.4359	2.2	0.165	
DNO.109F-G1	0.4180	2.1	0.166	
DNO.110F-G1	0.9242	4.6	0.167	
DNO.111F-G1	0.9429	4.7	0.167	
DNO.113F-G2	0.3506	1.8	0.163	
DNO.114F-G2	0.6495	3.2	0.169	
DNO.115F-G2	0.6769	3.4	0.166	
DNO.116F-G2	0.7235	3.6	0.167	
DNO.117F-G2	0.6534	3.3	0.165	
DNO.118F-G2	0.4162	2.1	0.165	
DNO.119F-G2	0.5791	2.9	0.166	
DNO.120F-G2	0.4295	2.1	0.170	
DNO.121F-G2	0.8372	4.2	0.166	
DNO.122F-G2	0.6291	3.1	0.169	

Summary of Method:

Notes:

Form Approved by/Date:_____

Sample Weights/ Volumes

Prep Date(s): 2/18/99
Analyst(s): RWW/SAH
Sample Matrix: Rat Liver
Method/Revision: FACT-M-1.0
Target Analyte(s):

Study Number: TOX-120
Equipment Number:
Notebook# and Page:
Final Solvent: Milli-Q water

Sample ID	Initial (Wt)/Vol. (g/mL/L)	mL water	density g/mL	Comments
DNo. 123F-G2	0.5660	2.8	0.168	
DNo. 125F-G2	0.8074	4.0	0.168	
DNo. 126F-G2	0.9812	4.9	0.167	
DNo. 127F-G2	0.6086	3.0	0.169	
DNo. 129F-G3	0.4261	2.1	0.169	
DNo. 130F-G3	0.3012	1.5	0.167	
DNo. 131F-G3	0.7303	3.7	0.165	
DNo. 132F-G3	0.5990	3.0	0.166	
DNo. 133F-G3	0.3811	1.9	0.167	
DNo. 134F-G3	0.6131	3.1	0.165	
DNo. 135F-G3	0.5369	2.7	0.166	
DNo. 136F-G3	0.5799	2.9	0.167	
DNo. 137F-G3	0.8084	4.0	0.168	
DNo. 138F-G3	0.6235	3.1	0.167	
DNo. 139F-G3	0.5680	2.8	0.169	
DNo. 141F-G3	0.6693	3.3	0.169	
DNo. 142F-G3	0.7953	4.0	0.166	
DNo. 143F-G3	0.7383	3.7	0.166	
DNO. 145F-G4	0.3643	1.8	0.168	
DNO. 146F-G4	0.4113	2.1	0.164	
DNO. 147F-G4	0.4457	2.2	0.168	
DNO. 148F-G4	0.4699	2.3	0.170	
DNO. 149F-G4	0.6097	3.0	0.169	
DNO. 150F-G4	0.6416	3.2	0.167	

Summary of Method:

Notes:

Form Approved by/Date:_____

Sample Weights/ Volumes

Prep Date(s): 2/18/99
Analyst(s): RWW/SAH
Sample Matrix: R2f Liver
Method/Revision: FACF-M-1.0
Target Analyte(s):

Study Number: TOX-120
Equipment Number:
Notebook# and Page:
Final Solvent: Milli Q water

Sample ID	Initial WW/Vol. g/mL/L	mL water	density gm/mL	Comments
DNo.151F-G4	0.5476	2.7	0.169	
DNo.152F-G4	0.6341	3.2	0.165	
DNo.153F-G4	0.8578	4.3	0.166	
DNo.154F-G4	0.7221	3.6	0.167	
DNo.155F-G4	0.8019	4.0	0.167	
DNo.157F-G4	0.8181	4.1	0.166	
DNo.158F-G4	0.5430	2.7	0.167	
DNo.159F-G4	0.9196	4.6	0.167	
DNo.161F-G5	0.9899	4.9	0.168	
DNo.162F-G5	0.6884	3.4	0.168	
DNo.163F-G5	0.8107	4.1	0.165	
DNo.164F-G5	0.4779	2.4	0.166	
DNo.165F-G5	0.7719	3.9	0.165	
DNo.166F-G5	0.4252	2.1	0.168	
DNo.167F-G5	0.4732	2.4	0.165	
DNo.168F-G5	0.6378	3.2	0.165	
DNo.169F-G5	0.5394	2.7	0.167	
DNo.170F-G5	0.7757	3.9	0.166	
DNo.171F-G5	0.5671	2.8	0.168	
DNo.173F-G5	0.8766	4.4	0.166	
DNo.174F-G5	0.7937	4.0	0.166	
DNo.175F-G5	0.4626	2.3	0.167	
DNo.177F-G6	0.7852	3.9	0.168	
DNo.178F-G6	0.4423	2.2	0.167	

Summary of Method:

Notes:

Form Approved by/Date:_____

Sample Weights/ Volumes

Prep Date(s): 2/19/99
Analyst(s): RNW/SAH
Sample Matrix: Ref Liver
Method/Revision: FACT-M-1.0
Target Analyte(s):

Study Number: Tox-120
Equipment Number:
Notebook# and Page:
Final Solvent: Milli Q water

Sample ID	Initial (Wt/Vol. g/mL/L)	Water Hml	density gm/mL	Comments
DNo. 179F-GC	0.5462	2.7	0.168	
DNo. 180F-GC	0.8106	4.1	0.165	
DNo. 181F-GC *	0.7104	3.6	0.165	
DNo. 182F-GC	0.5940	3.0	0.165	
DNo. 183F-GC	0.8512	4.3	0.165	
DNo. 184F-GC	0.8207	4.1	0.167	
DNo. 185F-GC	1.0570	5.3	0.166	
DNo. 186F-GC	0.8345	4.2	0.166	
DNo. 187F-GC	0.7568	3.8	0.166	
DNo. 189F-GC	0.8789	4.4	0.166	
DNo. 190F-GC	0.6882	3.4	0.168	
DNo. 191F-GC	0.9180	4.6	0.166	

Summary of Method:

Notes:
* Possible contamination from bench top while weighing

Form Approved by/Date:_____

BACK TO MAIN

DFB 02/23/99

SOUP 020199: FACT Equipment Log 99014 **PAGE ____**
Quattro II, #6414E

DATE: 2/23/99

ANALYST: drb

STUDY NUMBER: Tox-120 MATRIX: Rat Liver DESCRIPTION: Liver Samples .

FACT Method: FACT-M-4.0 .

Injection volume: 10 uL Cycle time: 13.5 min. Electrode: Z-Spray

Mobile Phase: (A) 2.0 mM NH4CH3CO2 (B) MeOH

TN-A- or stndrd number (A) 98012-1-4 (B) TN-A-2260

Prepared (date/by): (A) 2/11/99 hoj (B) 2/99, hoj

Expires: (A) 8/99 (B) 8/99

Store at room temp? [Y] or N Other: _____

Guard column: None

Part number: na Lot number: na

Analytical column: Keystone Betasil

Size: 2 x 100 mm Type: C18 Sphere size: 5 um

Part number: 105-701-2 Lot number: P8C09 Serial number: 10881106D

Analytical parameters:

Drying gas (L/hr): 300 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 120 bar

HPLC solvent gradient: Long 2

Time (min.)	%B
1) 0.00	40.0
2) 8.50	90.0
3) 11.0	90.0
4) 12.0	40.0
5) 13.5	Stop

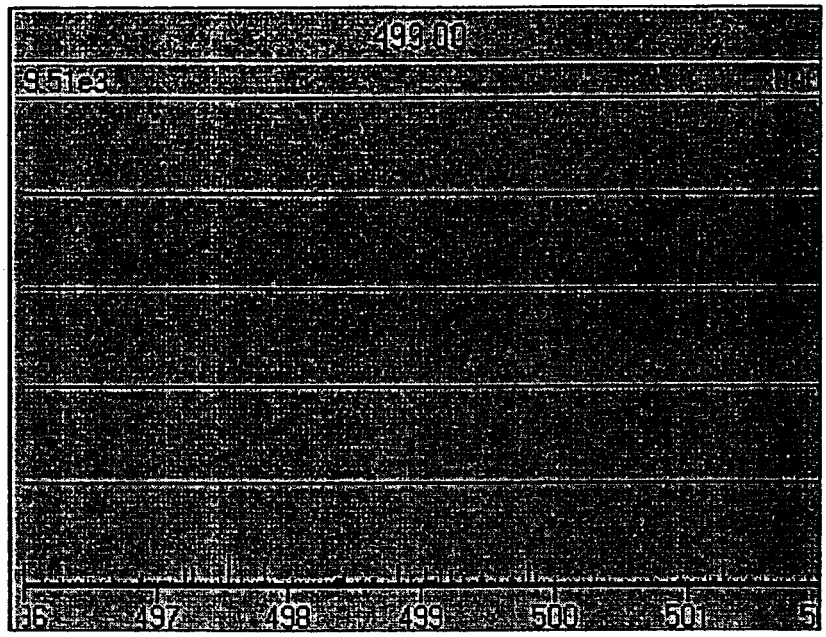
BACK TO MAIN

Tuning Method Report

ORB 02/23/99

Method: C:\MASSLYNX\FACT-1.PRO\ACQUDB\PFOS

Printed: Tue Feb 23 15:59:26 1999 SDup 020199 UC 05/10/99



MS

SOURCE (ESP-)	Set	Rdbk
Capillary	3.00	2.99
Cone	60	-60
Extractor	5	-6
RF Lens	0.2	
Source Block Temp.	150	142
Desolvation Temp.	250	250

MS1	Set	Rdbk
LM Resolution	14.0	
HM Resolution	14.0	
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 6	5	5
Multiplier	650	

Pressures	Rdbk
Analyser Vacuum	7.8e-6
Gas Cell	FAIL

MS2	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Collision	45	42
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 8	40	39
Lens 9	0	44
Multiplier	650	

BACK TO MAIN

DAB
02/23/99

Scanning Method Report

Method: C:\MASSLYNX\FACT-1.PRO\ACQUDB\TOX120A
Last Modified: Tue Feb 23 15:52:20 1999

Printed: Tue Feb 23 16:00:43 1999

Soup 020199 LAC 05/10/99

Solvent Delay (mins) : 0.00

Function : 1 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	399.00	80.00	0.25	45	60
2	399.00	99.00	0.25	45	60
3	399.00	130.00	0.25	45	60

Function : 2 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	499.00	80.00	0.25	45	60
2	499.00	99.00	0.25	45	60
3	499.00	130.00	0.25	45	60

Function : 3 MRM of 2 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	299.00	80.00	0.25	45	35
2	299.00	99.00	0.25	45	35

Function : 4 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	413.00	119.00	0.25	30	15
2	413.00	169.00	0.25	20	15
3	413.00	219.00	0.25	30	15

Function : 5 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	469.00	169.00	0.25	45	30
2	469.00	219.00	0.25	45	30
3	469.00	119.00	0.25	45	30

Function : 6 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	569.00	169.00	0.25	45	35
2	569.00	219.00	0.25	45	35
3	569.00	119.00	0.25	45	35

Function : 7 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	427.00	80.00	0.25	40	60

Masslynx - Sample List

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022399c.SPL
Printed: Tue Feb 23 16:25:20 1999

DKB 02/23/99

Soup 020199 LAC 05/16/99

	File Name	File Text	MS File	Inlet I	Bottle	olume	Sample Ty	Conc A	Conc B	Conc C	C
1	022399020	MeOH Blank	TOX12C	long2	91	10	Analyte				
2	022399021	MeOH Blank	TOX12C	long2	91	10	Analyte				
3	022399022	Tox 120, RBL02229-H2O Blk-1, 2/22	TOX12C	long2	1	10	Analyte				
4	022399023	Tox 120, RBL02229-RBLiverBlk-1, 2	TOX12C	long2	2	10	Analyte				
5	022399024	Tox 120, RBL02229-5ppb-1, 2/22/99	TOX12C	long2	3	10	Standard				
6	022399025	Tox 120, RBL02229-10ppb-1, 2/22/9	TOX12C	long2	4	10	Standard				
7	022399026	Tox 120, RBL02229-25ppb-1, 2/22/9	TOX12C	long2	5	10	Standard				
8	022399027	Tox 120, RBL02229-50ppb-1, 2/22/9	TOX12C	long2	6	10	Standard				
9	022399028	Tox 120, RBL02229-100ppb-1, 2/22/	TOX12C	long2	7	10	Standard				
10	022399029	Tox 120, RBL02229-250ppb-1, 2/22/	TOX12C	long2	8	10	Standard				
11	022399030	Tox 120, RBL02229-500ppb-1, 2/22/	TOX12C	long2	9	10	Standard				
12	022399031	Tox 120, RBL02229-750ppb-1, 2/22/	TOX12C	long2	10	10	Standard				
13	022399032	Tox 120, RBL02229-1000ppb-1, 2/22	TOX12C	long2	11	10	Standard				
14	022399033	MeOH Blank	TOX12C	long2	92	10	Analyte				
15	022399034	Tox 120 DNO. 97F-G1, 2/22/99	TOX12C	long2	12	10	Analyte				
16	022399035	Tox 120 DNO. 98F-G1, 2/22/99	TOX12C	long2	13	10	Analyte				
17	022399036	Tox 120 DNO. 99F-G1, 2/22/99	TOX12C	long2	14	10	Analyte				
18	022399037	Tox 120 DNO. 100F-G1, 2/22/99	TOX12C	long2	15	10	Analyte				
19	022399038	Tox 120 DNO. 101F-G1, 2/22/99	TOX12C	long2	16	10	Analyte				
20	022399039	Tox 120, RBL02229-250ppb-CC1, 2/	TOX12C	long2	17	10	QC				
21	022399040	MeOH Blank	TOX12C	long2	92	10	Analyte				
22	022399041	Tox 120 DNO. 102F-G1, 2/22/99	TOX12C	long2	18	10	Analyte				
23	022399042	Tox 120 DNO. 103F-G1, 2/22/99	TOX12C	long2	19	10	Analyte				
24	022399043	Tox 120 DNO. 104F-G1, 2/22/99	TOX12C	long2	20	10	Analyte				
25	022399044	Tox 120 DNO. 105F-G1, 2/22/99	TOX12C	long2	21	10	Analyte				
26	022399045	Tox 120 DNO. 106F-G1, 2/22/99	TOX12C	long2	22	10	Analyte				
27	022399046	Tox 120, RBL02229-250ppb-CC2, 2/	TOX12C	long2	23	10	QC				
28	022399047	MeOH Blank	TOX12C	long2	92	10	Analyte				
29	022399048	Tox 120 DNO. 107F-G1, 2/22/99	TOX12C	long2	24	10	Analyte				
30	022399049	Tox 120 DNO. 109F-G1, 2/22/99	TOX12C	long2	25	10	Analyte				
31	022399050	Tox 120 DNO. 110F-G1, 2/22/99	TOX12C	long2	27	10	Analyte				
32	022399051	Tox 120 DNO. 111F-G1, 2/22/99	TOX12C	long2	28	10	Analyte				
33	022399052	Tox 120, RBL02229-250ppb-CC3, 2/	TOX12C	long2	29	10	QC				
34	022399053	MeOH Blank	TOX12C	long2	93	10	Analyte				
35	022399054	Tox 120 DNO. 113F-G2, 2/22/99	TOX12C	long2	30	10	Analyte				
36	022399055	Tox 120 DNO. 114F-G2, 2/22/99	TOX12C	long2	31	10	Analyte				
37	022399056	Tox 120 DNO. 115F-G2, 2/22/99	TOX12C	long2	32	10	Analyte				
38	022399057	Tox 120 DNO. 116F-G2, 2/22/99	TOX12C	long2	33	10	Analyte				
39	022399058	Tox 120 DNO. 117F-G2, 2/22/99	TOX12C	long2	34	10	Analyte				
40	022399059	Tox 120, RBL02229-250ppb-CC4, 2/	TOX12C	long2	35	10	QC				
41	022399060	MeOH Blank	TOX12C	long2	93	10	Analyte				
42	022399061	Tox 120 DNO. 118F-G2, 2/22/99	TOX12C	long2	36	10	Analyte				
43	022399062	Tox 120 DNO. 119F-G2, 2/22/99	TOX12C	long2	37	10	Analyte				
44	022399063	Tox 120 DNO. 120F-G2, 2/22/99	TOX12C	long2	38	10	Analyte				
45	022399064	Tox 120 DNO. 121F-G2, 2/22/99	TOX12C	long2	39	10	Analyte				
46	022399065	Tox 120 DNO. 122F-G2, 2/22/99	TOX12C	long2	40	10	Analyte				
47	022399066	Tox 120, RBL02229-250ppb-CC5, 2/	TOX12C	long2	41	10	QC				
48	022399067	MeOH Blank	TOX12C	long2	93	10	Analyte				
49	022399068	Tox 120 DNO. 123F-G2, 2/22/99	TOX12C	long2	42	10	Analyte				
50	022399069	Tox 120 DNO. 125F-G2, 2/22/99	TOX12C	long2	43	10	Analyte				
51	022399070	Tox 120 DNO. 126F-G2, 2/22/99	TOX12C	long2	44	10	Analyte				
52	022399071	Tox 120 DNO. 127F-G2, 2/22/99	TOX12C	long2	45	10	Analyte				
53	022399072	Tox 120 DNO. 129F-G3, 2/22/99	TOX12C	long2	46	10	Analyte				
54	022399073	Tox 120, RBL02229-250ppb-CC6, 2/	TOX12C	long2	47	10	QC				
55	022399074	MeOH Blank	TOX12C	long2	94	10	Analyte				
56	022399075	Tox 120 DNO. 130F-G3, 2/22/99	TOX12C	long2	48	10	Analyte				
57	022399076	Tox 120 DNO. 131F-G3, 2/22/99	TOX12C	long2	49	10	Analyte				
58	022399077	Tox 120 DNO. 132F-G3, 2/22/99	TOX12C	long2	50	10	Analyte				
59	022399078	Tox 120 DNO. 133F-G3, 2/22/99	TOX12C	long2	51	10	Analyte				

Masslynx - Sample List

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022399c.SPL
Printed: Tue Feb 23 16:25:20 1999

DKB 02/23/99

Sdup 02/2/99 LAC 05/10/99

	File Name	File Text	MS File	Inlet I	Bottl	olume	Sample T)	Conc A	Conc B	Conc C	(
60	022399079	Tox 120 DNO. 134F-G3, 2/22/99	TOX12C	long2	52	10	Analyte				
61	022399080	Tox 120, RBL02229-250ppb-CC7, 2/	TOX12C	long2	53	10	QC				
62	022399081	MeOH Blank	TOX12C	long2	94	10	Analyte				
63	022399082	Tox 120 DNO. 135F-G3, 2/22/99	TOX12C	long2	54	10	Analyte				
64	022399083	Tox 120 DNO. 136F-G3, 2/22/99	TOX12C	long2	55	10	Analyte				
65	022399084	Tox 120 DNO. 137F-G3, 2/22/99	TOX12C	long2	56	10	Analyte				
66	022399085	Tox 120 DNO. 138F-G3, 2/22/99	TOX12C	long2	57	10	Analyte				
67	022399086	Tox 120 DNO. 139F-G3, 2/22/99	TOX12C	long2	58	10	Analyte				
68	022399087	Tox 120, RBL02229-250ppb-CC8, 2/	TOX12C	long2	59	10	QC				
69	022399088	MeOH Blank	TOX12C	long2	95	10	Analyte				
70	022399089	Tox 120 DNO. 141F-G3, 2/22/99	TOX12C	long2	60	10	Analyte				
71	022399090	Tox 120 DNO. 142F-G3, 2/22/99	TOX12C	long2	61	10	Analyte				
72	022399091	Tox 120 DNO. 143F-G3, 2/22/99	TOX12C	long2	62	10	Analyte				
73	022399092	Tox 120, RBL02229-250ppb-CC9, 2/	TOX12C	long2	63	10	QC				
74	022399093	MeOH Blank	TOX12C	long2	95	10	Analyte				
75	022399094	Tox 120, 106F-G1-250ppb-MS, 2/22/	TOX12C	long2	64	10	Analyte				
76	022399095	Tox 120, 106F-G1-250ppb-MSD, 2/2	TOX12C	long2	65	10	Analyte				
77	022399096	Tox 120, RBL02229-250ppb-CC10, 2	TOX12C	long2	66	10	Analyte				
78	022399097	MeOH Blank	TOX12C	long2	95	10	Analyte				
79	022399098	Tox 120, RBL02229-H2O Blk-2, 2/22	TOX12C	long2	67	10	Analyte				
80	022399099	Tox 120, RBL02229-RBLiverBlk-1, 2	TOX12C	long2	68	10	Analyte				
81	022399100	Tox 120, RBL02229-5ppb-2, 2/22/99	TOX12C	long2	69	10	Standard				
82	022399101	Tox 120, RBL02229-10ppb-2, 2/22/9	TOX12C	long2	70	10	Standard				
83	022399102	Tox 120, RBL02229-25ppb-2, 2/22/9	TOX12C	long2	71	10	Standard				
84	022399103	Tox 120, RBL02229-50ppb-2, 2/22/9	TOX12C	long2	72	10	Standard				
85	022399104	Tox 120, RBL02229-100ppb-2, 2/22/	TOX12C	long2	73	10	Standard				
86	022399105	Tox 120, RBL02229-250ppb-2, 2/22/	TOX12C	long2	74	10	Standard				
87	022399106	Tox 120, RBL02229-500ppb-2, 2/22/	TOX12C	long2	75	10	Standard				
88	022399107	Tox 120, RBL02229-750ppb-2, 2/22/	TOX12C	long2	76	10	Standard				
89	022399108	Tox 120, RBL02229-1000ppb-2, 2/22	TOX12C	long2	77	10	Standard				

BACK TO MAIN

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c.mdb
Last modified: Thu Feb 25 13:25:14 1999

Compound: 2: PFHS

Printed: Wed Mar 03 16:41:29 1999

Soup 020199 LAC 03/03/99

Compound Name: PFHS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 6.563, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 1.117

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 185

Smoothing: Disabled
Window size (scans): 1
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c.mdb
Last modified: Thu Feb 25 13:25:14 1999

Compound: 3: POAA

Printed: Wed Mar 03 16:41:29 1999

Soup 020199 UC 03/03/99

Compound Name: POAA
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 7.458, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.902

Peak Selection: Nearest

Response Type: External
Response: Area

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 185

Smoothing: Disabled
Window size (scans): 1
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c.mdb
Last modified: Thu Feb 25 13:25:14 1999

Compound: 4: N513

Printed: Wed Mar 03 16:41:29 1999

Soup 020199 LAC 03/03/99

Compound Name: N513
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 8.648, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.730

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 185

Smoothing: Disabled
Window size (scans): 1
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c.mdb
Last modified: Thu Feb 25 13:25:14 1999

Compound: 5: M613

Printed: Wed Mar 03 16:41:29 1999

Soup 020199 LAC 03/03/99

Compound Name: M613
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 9.591, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.730

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 185

Smoothing: Disabled
Window size (scans): 1
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c.mdb
Last modified: Thu Feb 25 13:25:14 1999

Compound: 6: IS

Printed: Wed Mar 03 16:41:29 1999

Soup 020199 UAC 03/03/99

Compound Name: IS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. B

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 7.410, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.988

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 185

Smoothing: Disabled
Window size (scans): 1
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

FACT: DATA REVIEW SUMMARY FORM

Date: 2/25/99

Analyst: MEE

FACT Study Number: Tox 120

Matrix: Rat Liver

Time Points: _____

Dilutions? _____

Analyte 1: PFOS
Acceptable Linear Range: 5-500 ppb
LOQ for this data set: 5 ppb
CC's: PASS
Re-evaluated for different range? _____
sample FIDI needs a 1:25 dilution LAC 2/26/99

Analyte 2: PFHS
Acceptable Linear Range: 25-500 ppb } *
LOQ for this data set: 25 ppb }
CC's: MOST FAILED
Re-evaluated for different range? _____
* DUMPED ENTIRE 2ND CURVE, 1ST CURVE NOT VERY ACCEPTABLE - SHOULD REPEAT.

Analyte 3: POAA
Acceptable Linear Range: 10 - 500 ppb
LOQ for this data set: 10 ppb
CC's: PASS
Re-evaluated for different range? _____

Analyte 4: M 513
Acceptable Linear Range: 50 - 750 ppb
LOQ for this data set: 50 ppb
CC's: PASS
Re-evaluated for different range? _____
Dilutions needed for grp 2 + a few in grp 3 should dil. all in grp.
LAC 2/2

Analyte 5: M 613
Acceptable Linear Range: 50 - 500 ppb
LOQ for this data set: 50 ppb
CC's: PASS
Re-evaluated for different range? _____

Analyte 6: IS
STILL OBSERVING MeOH BLANK PROBLEM
Acceptable Linear Range: _____
LOQ for this data set: _____
Re-evaluated for different range? _____

Analyte 7: _____
Acceptable Linear Range: _____
LOQ for this data set: _____
Re-evaluated for different range? _____

Note: Reanalyze for PFHS and dilutions 1:5 Grp 2, 1:2 Grp 3 for M513.
LAC 2/26/99

Quantify Compound Summary Report
Tox 120 DNO, Rat Liver Extracts

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022399c
Last modified: Thu Feb 25 13:24:27 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c
Last modified: Thu Feb 25 13:25:14 1999
Job Code:

Printed: Thu Feb 25 13:43:49 1999

Compound 1: FFOS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	%Dev	Flags
1	022399020	MeOH Blank	Analyte		8.041	365	3.36		MM
2	022399021	MeOH Blank	Analyte						
3	022399022	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte						
4	022399023	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte		8.208	373	3.62		MM
5	022399024	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	5.00	8.208	835	19.89	298	MMX
6	022399025	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	10.00	8.200	554	10.00	0	MM
7	022399026	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	25.00	8.208	987	25.23	1	MM
8	022399027	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	50.00	8.205	1861	55.98	12	MM
9	022399028	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	100.00	8.209	3063	98.29	-2	MM
10	022399029	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	250.00	8.210	7562	256.57	3	MM
11	022399030	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	500.00	8.209	14718	508.35	2	MM
12	022399031	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	750.00	8.209	21303	740.04	-1	MMX
13	022399032	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	1000.00	8.205	26747	931.58	-7	MMX
14	022399033	MeOH Blank	Analyte						
15	022399034	Tox 120 DNO. 97F-G1, 2/22/99	Analyte		8.294	5688	190.63		MM
16	022399035	Tox 120 DNO. 98F-G1, 2/22/99	Analyte		8.208	2153	66.24		MM
17	022399036	Tox 120 DNO. 99F-G1, 2/22/99	Analyte		8.123	2569	80.90		MM
18	022399037	Tox 120 DNO. 100F-G1, 2/22/99	Analyte		8.124	2110	64.75		MM
19	022399038	Tox 120 DNO. 101F-G1, 2/22/99	Analyte		8.033	255048	8964.34		MM
20	022399039	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	250.00	8.039	5885	197.57	-21	MM
21	022399040	MeOH Blank	Analyte						
22	022399041	Tox 120 DNO. 102F-G1, 2/22/99	Analyte		8.211	2401	74.98		MM
23	022399042	Tox 120 DNO. 103F-G1, 2/22/99	Analyte		8.124	2126	65.30		MM
24	022399043	Tox 120 DNO. 104F-G1, 2/22/99	Analyte		8.038	2013	61.32		MM
25	022399044	Tox 120 DNO. 105F-G1, 2/22/99	Analyte		8.038	3628	118.16		MM
26	022399045	Tox 120 DNO. 106F-G1, 2/22/99	Analyte		8.039	3302	106.67		MM
27	022399046	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	250.00	8.039	5644	189.07	-24	MM
28	022399047	MeOH Blank	Analyte						
29	022399048	Tox 120 DNO. 107F-G1, 2/22/99	Analyte		7.953	2541	79.89		bb
30	022399049	Tox 120 DNO. 109F-G1, 2/22/99	Analyte		7.781	10014	342.84		MM
31	022399050	Tox 120 DNO. 110F-G1, 2/22/99	Analyte		7.770	11101	381.10		MM
32	022399051	Tox 120 DNO. 111F-G1, 2/22/99	Analyte		7.776	7766	263.76		MM
33	022399052	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	250.00	8.040	6261	210.80	-16	MM
34	022399053	MeOH Blank	Analyte						
35	022399054	Tox 120 DNO. 113F-G2, 2/22/99	Analyte		8.124	1410	40.12		bb
36	022399055	Tox 120 DNO. 114F-G2, 2/22/99	Analyte		8.037	1242	34.21		MM
37	022399056	Tox 120 DNO. 115F-G2, 2/22/99	Analyte		8.041	1318	36.89		MM
38	022399057	Tox 120 DNO. 116F-G2, 2/22/99	Analyte		8.038	1315	36.76		MM
39	022399058	Tox 120 DNO. 117F-G2, 2/22/99	Analyte		8.036	2567	80.82		MM
40	022399059	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	250.00	7.955	6615	223.26	-11	MM
41	022399060	MeOH Blank	Analyte						
42	022399061	Tox 120 DNO. 118F-G2, 2/22/99	Analyte		8.124	1874	56.43		MM
43	022399062	Tox 120 DNO. 119F-G2, 2/22/99	Analyte		8.041	1347	37.91		MM
44	022399063	Tox 120 DNO. 120F-G2, 2/22/99	Analyte		8.037	1128	30.18		MM
45	022399064	Tox 120 DNO. 121F-G2, 2/22/99	Analyte		8.041	1278	35.47		MM
46	022399065	Tox 120 DNO. 122F-G2, 2/22/99	Analyte		8.039	1291	35.92		MM
47	022399066	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	250.00	8.033	6476	218.37	-13	MM
48	022399067	MeOH Blank	Analyte						
49	022399068	Tox 120 DNO. 123F-G2, 2/22/99	Analyte		8.122	1630	47.85		MM
50	022399069	Tox 120 DNO. 125F-G2, 2/22/99	Analyte		8.035	1567	45.63		bb
51	022399070	Tox 120 DNO. 126F-G2, 2/22/99	Analyte		8.032	1936	58.62		MM
52	022399071	Tox 120 DNO. 127F-G2, 2/22/99	Analyte		8.037	1768	52.70		MM
53	022399072	Tox 120 DNO. 129F-G3, 2/22/99	Analyte		7.952	1256	34.68		MM
54	022399073	Tox 120, RBL02229-250ppb-CC6, 2/22/99	QC	250.00	8.040	6418	216.31	-13	MM
55	022399074	MeOH Blank	Analyte						
56	022399075	Tox 120 DNO. 130F-G3, 2/22/99	Analyte		8.115	1366	38.58		MM
57	022399076	Tox 120 DNO. 131F-G3, 2/22/99	Analyte		7.951	1719	50.97		MM
58	022399077	Tox 120 DNO. 132F-G3, 2/22/99	Analyte		8.035	1449	41.47		MM
59	022399078	Tox 120 DNO. 133F-G3, 2/22/99	Analyte		8.038	1682	49.70		MM
60	022399079	Tox 120 DNO. 134F-G3, 2/22/99	Analyte		8.040	1540	44.69		bb
61	022399080	Tox 120, RBL02229-250ppb-CC7, 2/22/99	QC	250.00	8.035	5889	197.71	-21	MM
62	022399081	MeOH Blank	Analyte						
63	022399082	Tox 120 DNO. 135F-G3, 2/22/99	Analyte		8.039	1279	35.51		MM
64	022399083	Tox 120 DNO. 136F-G3, 2/22/99	Analyte		7.949	1599	46.75		MM
65	022399084	Tox 120 DNO. 137F-G3, 2/22/99	Analyte		8.036	785	18.11		MM
66	022399085	Tox 120 DNO. 138F-G3, 2/22/99	Analyte		8.038	825	19.51		bb
67	022399086	Tox 120 DNO. 139F-G3, 2/22/99	Analyte		8.038	1536	44.56		MM
68	022399087	Tox 120, RBL02229-250ppb-CC8, 2/22/99	QC	250.00	7.950	6171	207.62	-17	MM
69	022399088	MeOH Blank	Analyte						
70	022399089	Tox 120 DNO. 141F-G3, 2/22/99	Analyte		8.041	1492	43.00		MM
71	022399090	Tox 120 DNO. 142F-G3, 2/22/99	Analyte		7.948	1435	41.01		MM
72	022399091	Tox 120 DNO. 143F-G3, 2/22/99	Analyte		7.954	1409	40.08		MM
73	022399092	Tox 120, RBL02229-250ppb-CC9, 2/22/99	QC	250.00	7.953	5349	178.70	-29	MM
74	022399093	MeOH Blank	Analyte						
75	022399094	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyte		8.039	8399	286.03		MM
76	022399095	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyte		7.929	9914	339.32		MM
77	022399096	Tox 120, RBL02229-250ppb-CC10, 2/22/99	QC	250.00	7.929	6209	208.97	-16	MM
78	022399097	MeOH Blank	Analyte						
79	022399098	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte						
80	022399099	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte		8.080	161	0.00		bb
81	022399100	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	5.00	8.028	396	4.44	-11	MM
82	022399101	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	10.00	7.954	496	7.96	-20	MM
83	022399102	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	25.00	8.037	924	23.03	-8	MM
84	022399103	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	50.00	7.953	1576	45.96	-8	MM
85	022399104	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	100.00	8.035	3151	101.37	1	MM
86	022399105	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	250.00	7.952	7344	248.90	0	MM
87	022399106	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	500.00	7.951	14166	488.92	-2	MM
88	022399107	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	750.00	8.032	21280	739.22	-1	bbx
89	022399108	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	1000.00	7.998	31230	1089.33	9	MMX

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Entered 2/26/99
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Soup 020199:: quantitated and printed by mae 2/25/99

Quantify Compound Summary Report
Tox 120 DNO, Rat Liver Extracts

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022399c
Last modified: Thu Feb 25 13:24:27 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c.
Last modified: Thu Feb 25 13:25:14 1999
Job Code:

Printed: Thu Feb 25 13:43:49 1999

Compound 2: PFHS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	%Dev	Flags
1	022399020	MeOH Blank	Analyte						
2	022399021	MeOH Blank	Analyte						
3	022399022	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte						
4	022399023	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte		6.819	240	3.60		MM
5	022399024	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	5.00	6.821	678	24.13	383	MM
6	022399025	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	10.00	6.812	301	6.46	-35	bb
7	022399026	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	25.00	6.819	545	17.91	-28	MM
8	022399027	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	50.00	6.818	1014	39.86	-20	MM
9	022399028	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	100.00	6.820	2165	93.78	-6	MM
10	022399029	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	*250.00*	*6.734*	*5727*	*260.71*	*4*	*MM*
11	022399030	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	500.00	6.820	10773	497.13	-1	MM
12	022399031	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	750.00	6.735	15322	710.29	-5	MMX
13	022399032	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	1000.00	6.817	20746	964.42	-4	MMX
14	022399033	MeOH Blank	Analyte						
15	022399034	Tox 120 DNO. 97F-G1, 2/22/99	Analyte		6.905	254	4.25		MM
16	022399035	Tox 120 DNO. 98F-G1, 2/22/99	Analyte						
17	022399036	Tox 120 DNO. 99F-G1, 2/22/99	Analyte						
18	022399037	Tox 120 DNO. 100F-G1, 2/22/99	Analyte		7.595	60	0.00		bb
19	022399038	Tox 120 DNO. 101F-G1, 2/22/99	Analyte		6.644	890	34.06		MM
20	022399039	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	250.00	6.651	4553	205.70	-18	MM
21	022399040	MeOH Blank	Analyte						
22	022399041	Tox 120 DNO. 102F-G1, 2/22/99	Analyte						
23	022399042	Tox 120 DNO. 103F-G1, 2/22/99	Analyte						
24	022399043	Tox 120 DNO. 104F-G1, 2/22/99	Analyte		7.594	72	0.00		bb
25	022399044	Tox 120 DNO. 105F-G1, 2/22/99	Analyte		6.650	654	23.01		bb
26	022399045	Tox 120 DNO. 106F-G1, 2/22/99	Analyte						
27	022399046	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	250.00	6.565	3582	160.19	-36	MM
28	022399047	MeOH Blank	Analyte						
29	022399048	Tox 120 DNO. 107F-G1, 2/22/99	Analyte						
30	022399049	Tox 120 DNO. 109F-G1, 2/22/99	Analyte						
31	022399050	Tox 120 DNO. 110F-G1, 2/22/99	Analyte						
32	022399051	Tox 120 DNO. 111F-G1, 2/22/99	Analyte						
33	022399052	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	250.00	6.651	4933	223.51	-11	MM
34	022399053	MeOH Blank	Analyte						
35	022399054	Tox 120 DNO. 113F-G2, 2/22/99	Analyte						
36	022399055	Tox 120 DNO. 114F-G2, 2/22/99	Analyte		7.507	102	0.00		bb
37	022399056	Tox 120 DNO. 115F-G2, 2/22/99	Analyte						
38	022399057	Tox 120 DNO. 116F-G2, 2/22/99	Analyte						
39	022399058	Tox 120 DNO. 117F-G2, 2/22/99	Analyte						
40	022399059	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	250.00	6.565	3329	148.34	-41	MM
41	022399060	MeOH Blank	Analyte						
42	022399061	Tox 120 DNO. 118F-G2, 2/22/99	Analyte		6.735	103	0.00		MM
43	022399062	Tox 120 DNO. 119F-G2, 2/22/99	Analyte		7.596	34	0.00		bb
44	022399063	Tox 120 DNO. 120F-G2, 2/22/99	Analyte						
45	022399064	Tox 120 DNO. 121F-G2, 2/22/99	Analyte		6.652	92	0.00		MM
46	022399065	Tox 120 DNO. 122F-G2, 2/22/99	Analyte						
47	022399066	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	250.00	6.559	3818	171.27	-31	MM
48	022399067	MeOH Blank	Analyte						
49	022399068	Tox 120 DNO. 123F-G2, 2/22/99	Analyte						
50	022399069	Tox 120 DNO. 125F-G2, 2/22/99	Analyte						
51	022399070	Tox 120 DNO. 126F-G2, 2/22/99	Analyte						
52	022399071	Tox 120 DNO. 127F-G2, 2/22/99	Analyte						
53	022399072	Tox 120 DNO. 129F-G3, 2/22/99	Analyte						
54	022399073	Tox 120, RBL02229-250ppb-CC6, 2/22/99	QC	250.00	6.651	4340	195.72	-22	MM
55	022399074	MeOH Blank	Analyte						
56	022399075	Tox 120 DNO. 130F-G3, 2/22/99	Analyte						
57	022399076	Tox 120 DNO. 131F-G3, 2/22/99	Analyte						
58	022399077	Tox 120 DNO. 132F-G3, 2/22/99	Analyte						
59	022399078	Tox 120 DNO. 133F-G3, 2/22/99	Analyte		6.649	248	3.96		MM
60	022399079	Tox 120 DNO. 134F-G3, 2/22/99	Analyte		6.651	125	0.00		MM
61	022399080	Tox 120, RBL02229-250ppb-CC7, 2/22/99	QC	250.00	6.564	3744	167.80	-33	MM
62	022399081	MeOH Blank	Analyte						
63	022399082	Tox 120 DNO. 135F-G3, 2/22/99	Analyte						
64	022399083	Tox 120 DNO. 136F-G3, 2/22/99	Analyte		7.419	80	0.00		bb
65	022399084	Tox 120 DNO. 137F-G3, 2/22/99	Analyte						
66	022399085	Tox 120 DNO. 138F-G3, 2/22/99	Analyte						
67	022399086	Tox 120 DNO. 139F-G3, 2/22/99	Analyte		6.564	100	0.00		MM
68	022399087	Tox 120, RBL02229-250ppb-CC8, 2/22/99	QC	250.00	6.565	3096	137.40	-45	MM
69	022399088	MeOH Blank	Analyte						
70	022399089	Tox 120 DNO. 141F-G3, 2/22/99	Analyte		7.597	59	0.00		bb
71	022399090	Tox 120 DNO. 142F-G3, 2/22/99	Analyte		7.505	59	0.00		bb
72	022399091	Tox 120 DNO. 143F-G3, 2/22/99	Analyte						
73	022399092	Tox 120, RBL02229-250ppb-CC9, 2/22/99	QC	250.00	6.564	2805	123.80	-50	MM
74	022399093	MeOH Blank	Analyte						
75	022399094	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyte		6.650	3249	144.61		MM
76	022399095	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyte		6.455	1652	69.77		MM
77	022399096	Tox 120, RBL02229-250ppb-CC10, 2/22/99	QC	250.00	6.455	2075	89.60	-64	MM
78	022399097	MeOH Blank	Analyte						
79	022399098	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte						
80	022399099	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte						
81	022399100	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	5.00	6.639	130	0.00	-100	MMX
82	022399101	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	10.00	6.565	207	2.05	-79	MMX
83	022399102	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	25.00	6.563	452	13.54	-46	MMX
84	022399103	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	50.00	6.564	925	35.68	-29	MMX
85	022399104	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	100.00	6.561	1701	72.05	-28	MMX
86	022399105	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	250.00	6.565	3784	169.67	-32	MMX
87	022399106	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	500.00	6.562	7436	340.79	-32	MMX
88	022399107	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	750.00	6.560	10539	486.19	-35	MMX
89	022399108	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	1000.00	6.614	15696	727.78	-27	MMX

Need to reanaly? Cont. ch Outside Criteria poor cu

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Soup 020199:: quantitated and printed by mee 2/25/99

Quantify Compound Summary Report
Tox 120 DNO, Rat Liver Extracts

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022399c
Last modified: Thu Feb 25 13:24:27 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c
Last modified: Thu Feb 25 13:25:14 1999
Job Code:

Printed: Thu Feb 25 13:43:49 1999

Compound 3: POAA

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	%Dev	Flags
1	022399020	MeOH Blank	Analyte		7.462	81	14.18		MM
2	022399021	MeOH Blank	Analyte						
3	022399022	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte						
4	022399023	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte						
5	022399024	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	5.00					
6	022399025	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	10.00	7.452	65	9.37	-6	MM
7	022399026	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	25.00	7.459	120	25.91	4	MM
8	022399027	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	50.00	7.456	184	44.89	-10	MM
9	022399028	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	100.00	7.460	396	108.09	8	MM
10	022399029	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	250.00	7.459	839	240.35	-4	MM
11	022399030	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	500.00	7.460	1650	481.92	-4	MM
12	022399031	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	750.00	7.459	2354	691.87	-8	MMX
13	022399032	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	1000.00	7.457	3013	888.41	-11	MMX
14	022399033	MeOH Blank	Analyte						
15	022399034	Tox 120 DNO. 97F-G1, 2/22/99	Analyte						
16	022399035	Tox 120 DNO. 98F-G1, 2/22/99	Analyte						
17	022399036	Tox 120 DNO. 99F-G1, 2/22/99	Analyte						
18	022399037	Tox 120 DNO. 100F-G1, 2/22/99	Analyte						
19	022399038	Tox 120 DNO. 101F-G1, 2/22/99	Analyte						
20	022399039	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	250.00	7.291	732	208.43	-17	MM
21	022399040	MeOH Blank	Analyte						
22	022399041	Tox 120 DNO. 102F-G1, 2/22/99	Analyte						
23	022399042	Tox 120 DNO. 103F-G1, 2/22/99	Analyte						
24	022399043	Tox 120 DNO. 104F-G1, 2/22/99	Analyte						
25	022399044	Tox 120 DNO. 105F-G1, 2/22/99	Analyte						
26	022399045	Tox 120 DNO. 106F-G1, 2/22/99	Analyte						
27	022399046	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	250.00	7.290	715	203.33	-19	MM
28	022399047	MeOH Blank	Analyte						
29	022399048	Tox 120 DNO. 107F-G1, 2/22/99	Analyte						
30	022399049	Tox 120 DNO. 109F-G1, 2/22/99	Analyte						
31	022399050	Tox 120 DNO. 110F-G1, 2/22/99	Analyte						
32	022399051	Tox 120 DNO. 111F-G1, 2/22/99	Analyte						
33	022399052	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	250.00	7.291	853	244.41	-2	MM
34	022399053	MeOH Blank	Analyte						
35	022399054	Tox 120 DNO. 113F-G2, 2/22/99	Analyte		7.461	474	131.52		bb
36	022399055	Tox 120 DNO. 114F-G2, 2/22/99	Analyte		7.374	425	116.90		MM
37	022399056	Tox 120 DNO. 115F-G2, 2/22/99	Analyte		7.290	577	162.06		MM
38	022399057	Tox 120 DNO. 116F-G2, 2/22/99	Analyte		7.374	571	160.41		bb
39	022399058	Tox 120 DNO. 117F-G2, 2/22/99	Analyte		7.288	647	183.02		MM
40	022399059	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	250.00	7.206	755	215.34	-14	MM
41	022399060	MeOH Blank	Analyte						
42	022399061	Tox 120 DNO. 118F-G2, 2/22/99	Analyte		7.373	686	194.56		MM
43	022399062	Tox 120 DNO. 119F-G2, 2/22/99	Analyte		7.377	779	222.27		bb
44	022399063	Tox 120 DNO. 120F-G2, 2/22/99	Analyte		7.373	511	142.52		MM
45	022399064	Tox 120 DNO. 121F-G2, 2/22/99	Analyte		7.378	115	24.42		bb
46	022399065	Tox 120 DNO. 122F-G2, 2/22/99	Analyte		7.291	49	4.60		bb
47	022399066	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	250.00	7.284	770	219.82	-12	MM
48	022399067	MeOH Blank	Analyte						
49	022399068	Tox 120 DNO. 123F-G2, 2/22/99	Analyte		7.459	92	17.55		MM
50	022399069	Tox 120 DNO. 125F-G2, 2/22/99	Analyte						
51	022399070	Tox 120 DNO. 126F-G2, 2/22/99	Analyte						
52	022399071	Tox 120 DNO. 127F-G2, 2/22/99	Analyte						
53	022399072	Tox 120 DNO. 129F-G3, 2/22/99	Analyte		7.289	260	67.49		MM
54	022399073	Tox 120, RBL02229-250ppb-CC6, 2/22/99	QC	250.00	7.291	777	221.85	-11	MM
55	022399074	MeOH Blank	Analyte						
56	022399075	Tox 120 DNO. 130F-G3, 2/22/99	Analyte		7.366	386	105.09		MM
57	022399076	Tox 120 DNO. 131F-G3, 2/22/99	Analyte		7.287	348	93.73		MM
58	022399077	Tox 120 DNO. 132F-G3, 2/22/99	Analyte		7.287	588	165.30		bb
59	022399078	Tox 120 DNO. 133F-G3, 2/22/99	Analyte		7.289	452	124.79		MM
60	022399079	Tox 120 DNO. 134F-G3, 2/22/99	Analyte		7.290	334	89.57		MM
61	022399080	Tox 120, RBL02229-250ppb-CC7, 2/22/99	QC	250.00	7.289	736	209.50	-16	MM
62	022399081	MeOH Blank	Analyte						
63	022399082	Tox 120 DNO. 135F-G3, 2/22/99	Analyte		7.376	602	169.49		bb
64	022399083	Tox 120 DNO. 136F-G3, 2/22/99	Analyte		7.285	285	75.09		bb
65	022399084	Tox 120 DNO. 137F-G3, 2/22/99	Analyte						
66	022399085	Tox 120 DNO. 138F-G3, 2/22/99	Analyte						
67	022399086	Tox 120 DNO. 139F-G3, 2/22/99	Analyte						
68	022399087	Tox 120, RBL02229-250ppb-CC8, 2/22/99	QC	250.00	7.287	890	255.58	2	MM
69	022399088	MeOH Blank	Analyte						
70	022399089	Tox 120 DNO. 141F-G3, 2/22/99	Analyte						
71	022399090	Tox 120 DNO. 142F-G3, 2/22/99	Analyte						
72	022399091	Tox 120 DNO. 143F-G3, 2/22/99	Analyte						
73	022399092	Tox 120, RBL02229-250ppb-CC9, 2/22/99	QC	250.00	7.204	668	189.16	-24	MM
74	022399093	MeOH Blank	Analyte						
75	022399094	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyte		7.376	1038	299.56		MM
76	022399095	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyte		7.181	674	190.96		MM
77	022399096	Tox 120, RBL02229-250ppb-CC10, 2/22/99	QC	250.00	7.180	685	194.25	-22	MM
78	022399097	MeOH Blank	Analyte						
79	022399098	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte						
80	022399099	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte						
81	022399100	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	5.00					
82	022399101	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	10.00	7.291	67	10.17	2	MM
83	022399102	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	25.00	7.288	127	27.94	12	MM
84	022399103	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	50.00	7.290	174	42.08	-16	MM
85	022399104	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	100.00	7.287	408	111.89	12	bb
86	022399105	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	250.00	7.291	854	244.73	-2	MM
87	022399106	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	500.00	7.288	1786	522.67	5	MM
88	022399107	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	750.00	7.286	2594	763.60	2	MMX
89	022399108	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	1000.00	7.248	3872	1144.51	14	MMX

Entered 02/26/99 L

Soup 020199:: quantitated and printed by mee 2/25/99

Quantify Compound Summary Report
Tox 120 DNO, Rat Liver Extracts

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022399c
Last modified: Thu Feb 25 13:24:27 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c
Last modified: Thu Feb 25 13:25:14 1999
Job Code:

Printed: Thu Feb 25 13:43:49 1999

Compound 4: M513

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	%Dev	Flags
1	022399020	MeOH Blank	Analyte						
2	022399021	MeOH Blank	Analyte						
3	022399022	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte						
4	022399023	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte						
5	022399024	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	5.00					
6	022399025	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	10.00	8.067	27	0.00	-100	bb
7	022399026	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	25.00	8.675	54	32.75	31	bb
8	022399027	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	50.00	8.759	70	55.49	11	MM
9	022399028	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	100.00	8.762	102	100.10	0	MM
10	022399029	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	250.00	8.677	186	220.53	-12	MM
11	022399030	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	500.00	8.676	374	489.80	-2	MM
12	022399031	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	750.00	8.676	567	765.59	2	MM
13	022399032	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	1000.00	8.673	661	901.40	-10	MMX
14	022399033	MeOH Blank	Analyte						
15	022399034	Tox 120 DNO. 97F-G1, 2/22/99	Analyte						
16	022399035	Tox 120 DNO. 98F-G1, 2/22/99	Analyte						
17	022399036	Tox 120 DNO. 99F-G1, 2/22/99	Analyte						
18	022399037	Tox 120 DNO. 100F-G1, 2/22/99	Analyte						
19	022399038	Tox 120 DNO. 101F-G1, 2/22/99	Analyte						
20	022399039	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	250.00	8.592	151	170.63	-32	MM
21	022399040	MeOH Blank	Analyte						
22	022399041	Tox 120 DNO. 102F-G1, 2/22/99	Analyte						
23	022399042	Tox 120 DNO. 103F-G1, 2/22/99	Analyte						
24	022399043	Tox 120 DNO. 104F-G1, 2/22/99	Analyte						
25	022399044	Tox 120 DNO. 105F-G1, 2/22/99	Analyte						
26	022399045	Tox 120 DNO. 106F-G1, 2/22/99	Analyte						
27	022399046	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	250.00	8.506	174	203.20	-19	MM
28	022399047	MeOH Blank	Analyte						
29	022399048	Tox 120 DNO. 107F-G1, 2/22/99	Analyte						
30	022399049	Tox 120 DNO. 109F-G1, 2/22/99	Analyte						
31	022399050	Tox 120 DNO. 110F-G1, 2/22/99	Analyte						
32	022399051	Tox 120 DNO. 111F-G1, 2/22/99	Analyte						
33	022399052	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	250.00	8.595	187	221.85	-11	bb
34	022399053	MeOH Blank	Analyte						
35	022399054	Tox 120 DNO. 113F-G2, 2/22/99	Analyte		8.679	1358	1898.79		MM
36	022399055	Tox 120 DNO. 114F-G2, 2/22/99	Analyte		8.590	1303	1818.80		MM
37	022399056	Tox 120 DNO. 115F-G2, 2/22/99	Analyte		8.593	1295	1807.63		MM
38	022399057	Tox 120 DNO. 116F-G2, 2/22/99	Analyte		8.592	1205	1679.05		MM
39	022399058	Tox 120 DNO. 117F-G2, 2/22/99	Analyte		8.504	1108	1540.51		MM
40	022399059	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	250.00	8.510	188	223.77	-10	MM
41	022399060	MeOH Blank	Analyte						
42	022399061	Tox 120 DNO. 118F-G2, 2/22/99	Analyte		8.591	969	1341.15		MM
43	022399062	Tox 120 DNO. 119F-G2, 2/22/99	Analyte		8.593	1176	1638.14		MM
44	022399063	Tox 120 DNO. 120F-G2, 2/22/99	Analyte		8.592	1259	1756.56		MM
45	022399064	Tox 120 DNO. 121F-G2, 2/22/99	Analyte		8.594	963	1333.33		MM
46	022399065	Tox 120 DNO. 122F-G2, 2/22/99	Analyte		8.507	1000	1386.13		bb
47	022399066	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	250.00	8.500	218	267.30	7	MM
48	022399067	MeOH Blank	Analyte						
49	022399068	Tox 120 DNO. 123F-G2, 2/22/99	Analyte		8.677	993	1375.91		MM
50	022399069	Tox 120 DNO. 125F-G2, 2/22/99	Analyte		8.503	944	1305.48		MM
51	022399070	Tox 120 DNO. 126F-G2, 2/22/99	Analyte		8.586	1290	1800.66		MM
52	022399071	Tox 120 DNO. 127F-G2, 2/22/99	Analyte		8.505	831	1144.26		MM
53	022399072	Tox 120 DNO. 129F-G3, 2/22/99	Analyte		8.505	648	882.27		bb
54	022399073	Tox 120, RBL02229-250ppb-CC6, 2/22/99	QC	250.00	8.593	236	291.90	17	bb
55	022399074	MeOH Blank	Analyte						
56	022399075	Tox 120 DNO. 130F-G3, 2/22/99	Analyte		8.583	752	1031.24		bb
57	022399076	Tox 120 DNO. 131F-G3, 2/22/99	Analyte		8.503	450	598.82		bb
58	022399077	Tox 120 DNO. 132F-G3, 2/22/99	Analyte		8.503	733	1003.79		MM
59	022399078	Tox 120 DNO. 133F-G3, 2/22/99	Analyte		8.593	485	649.39		bb
60	022399079	Tox 120 DNO. 134F-G3, 2/22/99	Analyte		8.593	610	827.91		MM
61	022399080	Tox 120, RBL02229-250ppb-CC7, 2/22/99	QC	250.00	8.503	198	237.74	-5	MM
62	022399081	MeOH Blank	Analyte						
63	022399082	Tox 120 DNO. 135F-G3, 2/22/99	Analyte		8.594	850	1171.20		MM
64	022399083	Tox 120 DNO. 136F-G3, 2/22/99	Analyte		8.502	504	676.47		MM
65	022399084	Tox 120 DNO. 137F-G3, 2/22/99	Analyte		8.504	651	886.33		MM
66	022399085	Tox 120 DNO. 138F-G3, 2/22/99	Analyte		8.506	566	764.35		MM
67	022399086	Tox 120 DNO. 139F-G3, 2/22/99	Analyte		8.505	545	735.28		MM
68	022399087	Tox 120, RBL02229-250ppb-CC8, 2/22/99	QC	250.00	8.505	229	282.01	13	MM
69	022399088	MeOH Blank	Analyte						
70	022399089	Tox 120 DNO. 141F-G3, 2/22/99	Analyte		8.594	513	689.15		MM
71	022399090	Tox 120 DNO. 142F-G3, 2/22/99	Analyte		8.503	366	477.87		MM
72	022399091	Tox 120 DNO. 143F-G3, 2/22/99	Analyte		8.507	371	485.66		MM
73	022399092	Tox 120, RBL02229-250ppb-CC9, 2/22/99	QC	250.00	8.507	201	241.83	-3	MM
74	022399093	MeOH Blank	Analyte						
75	022399094	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyte		8.592	143	159.67		bb
76	022399095	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyte		8.483	205	248.87		MM
77	022399096	Tox 120, RBL02229-250ppb-CC10, 2/22/99	QC	250.00	8.482	202	243.72	-3	MM
78	022399097	MeOH Blank	Analyte						
79	022399098	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte						
80	022399099	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte						
81	022399100	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	5.00					
82	022399101	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	10.00					
83	022399102	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	25.00					
84	022399103	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	50.00	8.506	68	51.68	3	MM
85	022399104	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	100.00	8.503	117	121.65	22	MM
86	022399105	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	250.00	8.506	191	228.62	-9	MM
87	022399106	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	500.00	8.505	424	560.88	12	MM
88	022399107	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	750.00	8.499	531	714.16	-5	MM
89	022399108	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	1000.00	8.460	843	1161.85	16	MMX

Entered @ ~~02/22/99~~ 02/26/99 LA

Grp2 Need 1:5 dilu MC 2/26

Grp3 Need 1:2 dilutio LA 02/2

Entered 02/

Soup 020199:: quantitated and printed by mae 2/25/99

Quantify Compound Summary Report
Tox 120 DNO, Rat Liver Extracts

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022399c
Last modified: Thu Feb 25 13:24:27 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c
Last modified: Thu Feb 25 13:25:14 1999
Job Code:

Printed: Thu Feb 25 13:43:49 1999

Compound 5: M613

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	%Dev	Flags
1	022399020	MeOH Blank	Analyte						
2	022399021	MeOH Blank	Analyte						
3	022399022	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte						
4	022399023	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte						
5	022399024	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	5.00					
6	022399025	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	10.00					
7	022399026	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	25.00	9.634	48	7.83	-69	bb
8	022399027	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	50.00	9.632	139	47.96	-4	MM
9	022399028	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	100.00	9.549	266	103.36	3	bb
10	022399029	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	250.00	9.550	609	253.97	2	bb
11	022399030	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	500.00	9.549	1216	519.96	4	MM
12	022399031	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	750.00	9.549	1665	716.70	-4	bbX
13	022399032	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	1000.00	9.546	2240	968.58	-3	bbX
14	022399033	MeOH Blank	Analyte						
15	022399034	Tox 120 DNO. 97F-G1, 2/22/99	Analyte						
16	022399035	Tox 120 DNO. 98F-G1, 2/22/99	Analyte						
17	022399036	Tox 120 DNO. 99F-G1, 2/22/99	Analyte						
18	022399037	Tox 120 DNO. 100F-G1, 2/22/99	Analyte						
19	022399038	Tox 120 DNO. 101F-G1, 2/22/99	Analyte		9.803	45	6.83		MM
20	022399039	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	250.00	9.465	463	190.00	-24	MM
21	022399040	MeOH Blank	Analyte						
22	022399041	Tox 120 DNO. 102F-G1, 2/22/99	Analyte						
23	022399042	Tox 120 DNO. 103F-G1, 2/22/99	Analyte						
24	022399043	Tox 120 DNO. 104F-G1, 2/22/99	Analyte						
25	022399044	Tox 120 DNO. 105F-G1, 2/22/99	Analyte						
26	022399045	Tox 120 DNO. 106F-G1, 2/22/99	Analyte						
27	022399046	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	250.00	9.467	570	236.64	-5	bb
28	022399047	MeOH Blank	Analyte						
29	022399048	Tox 120 DNO. 107F-G1, 2/22/99	Analyte						
30	022399049	Tox 120 DNO. 109F-G1, 2/22/99	Analyte						
31	022399050	Tox 120 DNO. 110F-G1, 2/22/99	Analyte						
32	022399051	Tox 120 DNO. 111F-G1, 2/22/99	Analyte						
33	022399052	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	250.00	9.467	537	222.11	-11	bb
34	022399053	MeOH Blank	Analyte						
35	022399054	Tox 120 DNO. 113F-G2, 2/22/99	Analyte		9.552	345	137.92		bb
36	022399055	Tox 120 DNO. 114F-G2, 2/22/99	Analyte		9.463	310	122.59		bb
37	022399056	Tox 120 DNO. 115F-G2, 2/22/99	Analyte		9.466	362	145.65		bb
38	022399057	Tox 120 DNO. 116F-G2, 2/22/99	Analyte		9.465	287	112.50		bb
39	022399058	Tox 120 DNO. 117F-G2, 2/22/99	Analyte		9.462	301	118.70		bb
40	022399059	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	250.00	9.383	552	228.82	-8	bb
41	022399060	MeOH Blank	Analyte						
42	022399061	Tox 120 DNO. 118F-G2, 2/22/99	Analyte		9.464	268	104.35		bb
43	022399062	Tox 120 DNO. 119F-G2, 2/22/99	Analyte		9.466	272	105.96		bb
44	022399063	Tox 120 DNO. 120F-G2, 2/22/99	Analyte		9.464	225	85.54		bb
45	022399064	Tox 120 DNO. 121F-G2, 2/22/99	Analyte		9.466	265	102.84		bb
46	022399065	Tox 120 DNO. 122F-G2, 2/22/99	Analyte		9.465	182	66.50		bb
47	022399066	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	250.00	9.460	581	241.64	-3	MM
48	022399067	MeOH Blank	Analyte						
49	022399068	Tox 120 DNO. 123F-G2, 2/22/99	Analyte		9.550	226	85.92		MM
50	022399069	Tox 120 DNO. 125F-G2, 2/22/99	Analyte		9.461	254	98.31		bb
51	022399070	Tox 120 DNO. 126F-G2, 2/22/99	Analyte		9.459	290	113.87		MM
52	022399071	Tox 120 DNO. 127F-G2, 2/22/99	Analyte		9.463	239	91.83		bb
53	022399072	Tox 120 DNO. 129F-G3, 2/22/99	Analyte		9.465	81	22.25		MM
54	022399073	Tox 120, RBL02229-250ppb-CC6, 2/22/99	QC	250.00	9.466	641	268.03	7	bb
55	022399074	MeOH Blank	Analyte						
56	022399075	Tox 120 DNO. 130F-G3, 2/22/99	Analyte		9.456	105	32.90		bb
57	022399076	Tox 120 DNO. 131F-G3, 2/22/99	Analyte		9.377	91	26.88		bb
58	022399077	Tox 120 DNO. 132F-G3, 2/22/99	Analyte		9.462	100	30.68		bb
59	022399078	Tox 120 DNO. 133F-G3, 2/22/99	Analyte		9.465	41	4.75		bb
60	022399079	Tox 120 DNO. 134F-G3, 2/22/99	Analyte		9.466	175	63.73		bb
61	022399080	Tox 120, RBL02229-250ppb-CC7, 2/22/99	QC	250.00	9.461	540	223.53	-11	MM
62	022399081	MeOH Blank	Analyte						
63	022399082	Tox 120 DNO. 135F-G3, 2/22/99	Analyte		9.466	89	25.71		bb
64	022399083	Tox 120 DNO. 136F-G3, 2/22/99	Analyte		9.375	82	22.71		bb
65	022399084	Tox 120 DNO. 137F-G3, 2/22/99	Analyte		9.462	74	19.55		bb
66	022399085	Tox 120 DNO. 138F-G3, 2/22/99	Analyte		9.464	113	36.63		MM
67	022399086	Tox 120 DNO. 139F-G3, 2/22/99	Analyte		9.464	145	50.38		bb
68	022399087	Tox 120, RBL02229-250ppb-CC8, 2/22/99	QC	250.00	9.377	555	230.10	-8	MM
69	022399088	MeOH Blank	Analyte						
70	022399089	Tox 120 DNO. 141F-G3, 2/22/99	Analyte		9.467	130	43.91		bb
71	022399090	Tox 120 DNO. 142F-G3, 2/22/99	Analyte		9.376	124	41.04		MM
72	022399091	Tox 120 DNO. 143F-G3, 2/22/99	Analyte		9.380	84	23.72		MM
73	022399092	Tox 120, RBL02229-250ppb-CC9, 2/22/99	QC	250.00	9.382	444	181.67	-27	MM
74	022399093	MeOH Blank	Analyte						
75	022399094	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyte		9.463	572	237.76		MM
76	022399095	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyte		9.355	518	213.77		MM
77	022399096	Tox 120, RBL02229-250ppb-CC10, 2/22/99	QC	250.00	9.355	515	212.78	-15	MM
78	022399097	MeOH Blank	Analyte						
79	022399098	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte		9.448	39	3.88		bb
80	022399099	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte						
81	022399100	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	5.00	9.455	49	8.57	71	bb
82	022399101	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	10.00	9.380	32	1.01	-90	MM
83	022399102	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	25.00	9.377	98	29.94	20	MM
84	022399103	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	50.00	9.379	164	58.91	18	MM
85	022399104	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	100.00	9.376	288	113.12	13	MM
86	022399105	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	250.00	9.380	580	241.07	-4	bb
87	022399106	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	500.00	9.379	1123	479.30	-4	MM
88	022399107	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	750.00	9.372	1704	733.58	-2	MMX
89	022399108	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	1000.00	9.418	2676	1159.74	16	MMX

Entered 02/26/99

Soup 020199:: quantitated and printed by mae 2/25/99

BACK TO MAIN

Quantify Compound Summary Report
Tox 120 DNO, Rat Liver Extracts

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022399c
Last modified: Thu Feb 25 13:24:27 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c
Last modified: Thu Feb 25 13:25:14 1999
Job Code:

Printed: Thu Feb 25 13:43:49 1999

Compound 6: IS

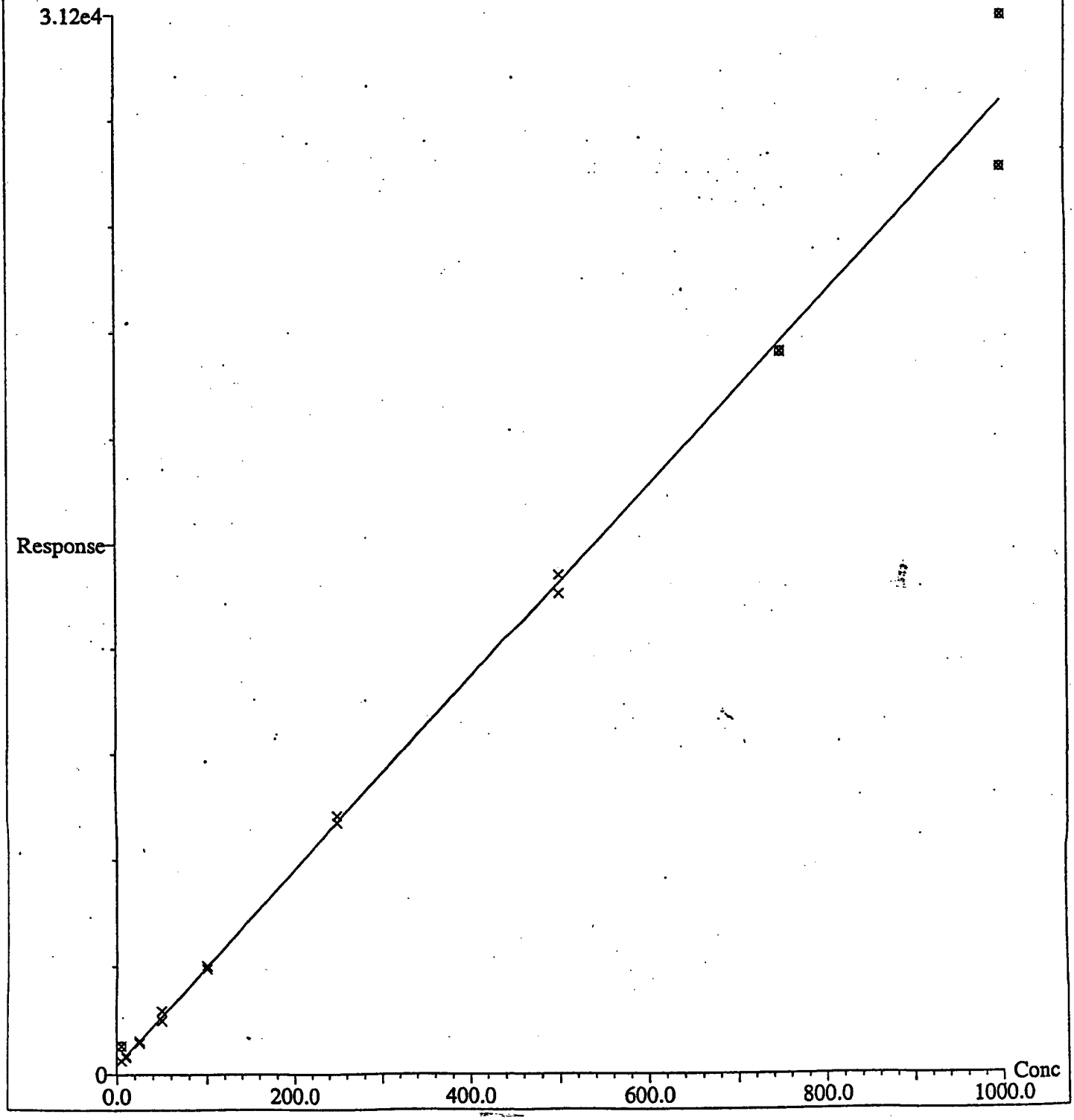
#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	%Dev	Flags
1	022399020	MeOH Blank	Analyte						
2	022399021	MeOH Blank	Analyte						
3	022399022	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte		7.494	224	72.66	-71	MM
4	022399023	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte		7.492	298	96.74	-61	MM
5	022399024	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	250.00	7.493	680	220.47	-12	MM
6	022399025	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	250.00	7.485	746	241.86	-3	MM
7	022399026	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	250.00	7.492	796	258.32	3	MM
8	022399027	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	250.00	7.490	853	276.63	11	MM
9	022399028	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	250.00	7.493	794	257.65	3	MM
10	022399029	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	250.00	7.493	760	246.58	-1	MM
11	022399030	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	250.00	7.493	778	252.23	1	MM
12	022399031	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	250.00	7.408	762	247.11	-1	MM
13	022399032	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	250.00	7.489	796	258.26	3	MM
14	022399033	MeOH Blank	Analyte						
15	022399034	Tox 120 DNO. 97F-G1, 2/22/99	Analyte		7.577	695	225.34	-10	MM
16	022399035	Tox 120 DNO. 98F-G1, 2/22/99	Analyte		7.492	977	316.98	27	MM
17	022399036	Tox 120 DNO. 99F-G1, 2/22/99	Analyte		7.321	989	320.94	28	MM
18	022399037	Tox 120 DNO. 100F-G1, 2/22/99	Analyte		7.323	923	299.48	20	MM
19	022399038	Tox 120 DNO. 101F-G1, 2/22/99	Analyte		7.318	1010	327.67	31	MM
20	022399039	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	250.00	7.324	990	321.09	28	MM
21	022399040	MeOH Blank	Analyte						
22	022399041	Tox 120 DNO. 102F-G1, 2/22/99	Analyte		7.495	366	118.81	-52	MM
23	022399042	Tox 120 DNO. 103F-G1, 2/22/99	Analyte		7.322	853	276.70	11	MM
24	022399043	Tox 120 DNO. 104F-G1, 2/22/99	Analyte		7.323	879	285.02	14	MM
25	022399044	Tox 120 DNO. 105F-G1, 2/22/99	Analyte		7.237	933	302.56	21	MM
26	022399045	Tox 120 DNO. 106F-G1, 2/22/99	Analyte		7.325	879	285.03	14	MM
27	022399046	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	250.00	7.237	731	237.09	-5	MM
28	022399047	MeOH Blank	Analyte						
29	022399048	Tox 120 DNO. 107F-G1, 2/22/99	Analyte		7.495	382	123.76	-50	MM
30	022399049	Tox 120 DNO. 109F-G1, 2/22/99	Analyte		7.325	813	263.69	5	MM
31	022399050	Tox 120 DNO. 110F-G1, 2/22/99	Analyte		7.227	759	246.30	-1	MM
32	022399051	Tox 120 DNO. 111F-G1, 2/22/99	Analyte		7.234	1095	355.07	42	MM
33	022399052	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	250.00	7.326	860	278.88	12	MM
34	022399053	MeOH Blank	Analyte						
35	022399054	Tox 120 DNO. 113F-G2, 2/22/99	Analyte		7.410	402	130.48	-48	MM
36	022399055	Tox 120 DNO. 114F-G2, 2/22/99	Analyte		7.321	858	278.28	11	MM
37	022399056	Tox 120 DNO. 115F-G2, 2/22/99	Analyte		7.239	764	247.95	-1	MM
38	022399057	Tox 120 DNO. 116F-G2, 2/22/99	Analyte		7.323	851	276.07	10	MM
39	022399058	Tox 120 DNO. 117F-G2, 2/22/99	Analyte		7.237	827	268.41	7	MM
40	022399059	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	250.00	7.153	750	243.43	-3	bb
41	022399060	MeOH Blank	Analyte						
42	022399061	Tox 120 DNO. 118F-G2, 2/22/99	Analyte		7.322	389	126.22	-50	MM
43	022399062	Tox 120 DNO. 119F-G2, 2/22/99	Analyte		7.324	757	245.70	-2	MM
44	022399063	Tox 120 DNO. 120F-G2, 2/22/99	Analyte		7.322	648	210.04	-16	MM
45	022399064	Tox 120 DNO. 121F-G2, 2/22/99	Analyte		7.325	740	240.02	-4	MM
46	022399065	Tox 120 DNO. 122F-G2, 2/22/99	Analyte		7.238	690	223.71	-11	bb
47	022399066	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	250.00	7.231	834	270.53	8	MM
48	022399067	MeOH Blank	Analyte						
49	022399068	Tox 120 DNO. 123F-G2, 2/22/99	Analyte		7.408	380	123.14	-51	MM
50	022399069	Tox 120 DNO. 125F-G2, 2/22/99	Analyte		7.234	806	261.33	5	MM
51	022399070	Tox 120 DNO. 126F-G2, 2/22/99	Analyte		7.317	956	310.11	24	MM
52	022399071	Tox 120 DNO. 127F-G2, 2/22/99	Analyte		7.236	859	278.55	11	MM
53	022399072	Tox 120 DNO. 129F-G3, 2/22/99	Analyte		7.236	768	249.26	0	MM
54	022399073	Tox 120, RBL02229-250ppb-CC6, 2/22/99	QC	250.00	7.324	739	239.81	-4	MM
55	022399074	MeOH Blank	Analyte						
56	022399075	Tox 120 DNO. 130F-G3, 2/22/99	Analyte		7.313	395	128.24	-49	bb
57	022399076	Tox 120 DNO. 131F-G3, 2/22/99	Analyte		7.234	633	205.43	-18	MM
58	022399077	Tox 120 DNO. 132F-G3, 2/22/99	Analyte		7.233	869	282.03	13	MM
59	022399078	Tox 120 DNO. 133F-G3, 2/22/99	Analyte		7.323	801	259.89	4	MM
60	022399079	Tox 120 DNO. 134F-G3, 2/22/99	Analyte		7.239	855	277.34	11	MM
61	022399080	Tox 120, RBL02229-250ppb-CC7, 2/22/99	QC	250.00	7.236	620	201.13	-20	MM
62	022399081	MeOH Blank	Analyte						
63	022399082	Tox 120 DNO. 135F-G3, 2/22/99	Analyte		7.325	353	114.56	-54	MM
64	022399083	Tox 120 DNO. 136F-G3, 2/22/99	Analyte		7.233	736	238.63	-5	MM
65	022399084	Tox 120 DNO. 137F-G3, 2/22/99	Analyte		7.320	452	146.77	-41	MM
66	022399085	Tox 120 DNO. 138F-G3, 2/22/99	Analyte		7.237	578	187.41	-25	MM
67	022399086	Tox 120 DNO. 139F-G3, 2/22/99	Analyte		7.236	646	209.58	-16	MM
68	022399087	Tox 120, RBL02229-250ppb-CC8, 2/22/99	QC	250.00	7.236	776	251.73	1	MM
69	022399088	MeOH Blank	Analyte						
70	022399089	Tox 120 DNO. 141F-G3, 2/22/99	Analyte		7.325	343	111.40	-55	bb
71	022399090	Tox 120 DNO. 142F-G3, 2/22/99	Analyte		7.233	630	204.45	-18	MM
72	022399091	Tox 120 DNO. 143F-G3, 2/22/99	Analyte		7.238	707	229.40	-8	MM
73	022399092	Tox 120, RBL02229-250ppb-CC9, 2/22/99	QC	250.00	7.237	701	227.53	-9	MM
74	022399093	MeOH Blank	Analyte						
75	022399094	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyte		7.323	305	99.05	-60	MM
76	022399095	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyte		7.128	567	183.95	-26	MM
77	022399096	Tox 120, RBL02229-250ppb-CC10, 2/22/99	QC	250.00	7.127	776	251.81	1	MM
78	022399097	MeOH Blank	Analyte						
79	022399098	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte		7.306	372	120.61	-52	MM
80	022399099	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte		7.282	291	94.34	-62	MM
81	022399100	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	250.00	7.314	765	248.04	-1	MM
82	022399101	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	250.00	7.238	819	265.74	6	MM
83	022399102	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	250.00	7.235	793	257.34	3	MM
84	022399103	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	250.00	7.237	814	263.97	6	MM
85	022399104	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	250.00	7.234	750	243.20	-3	MM
86	022399105	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	250.00	7.238	791	256.51	3	MM
87	022399106	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	250.00	7.235	645	209.07	-16	MM
88	022399107	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	250.00	7.233	762	247.20	-1	MM
89	022399108	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	250.00	7.196	770	249.83	0	MM

Soup 020199:: quantitated and printed by mee 2/25/99

Quantify Calibration Report
Tox 120 DMO, Rat Liver Extracts

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022399c
Last modified: Thu Feb 25 13:43:28 1999
Printed: Thu Feb 25 13:43:55 1999

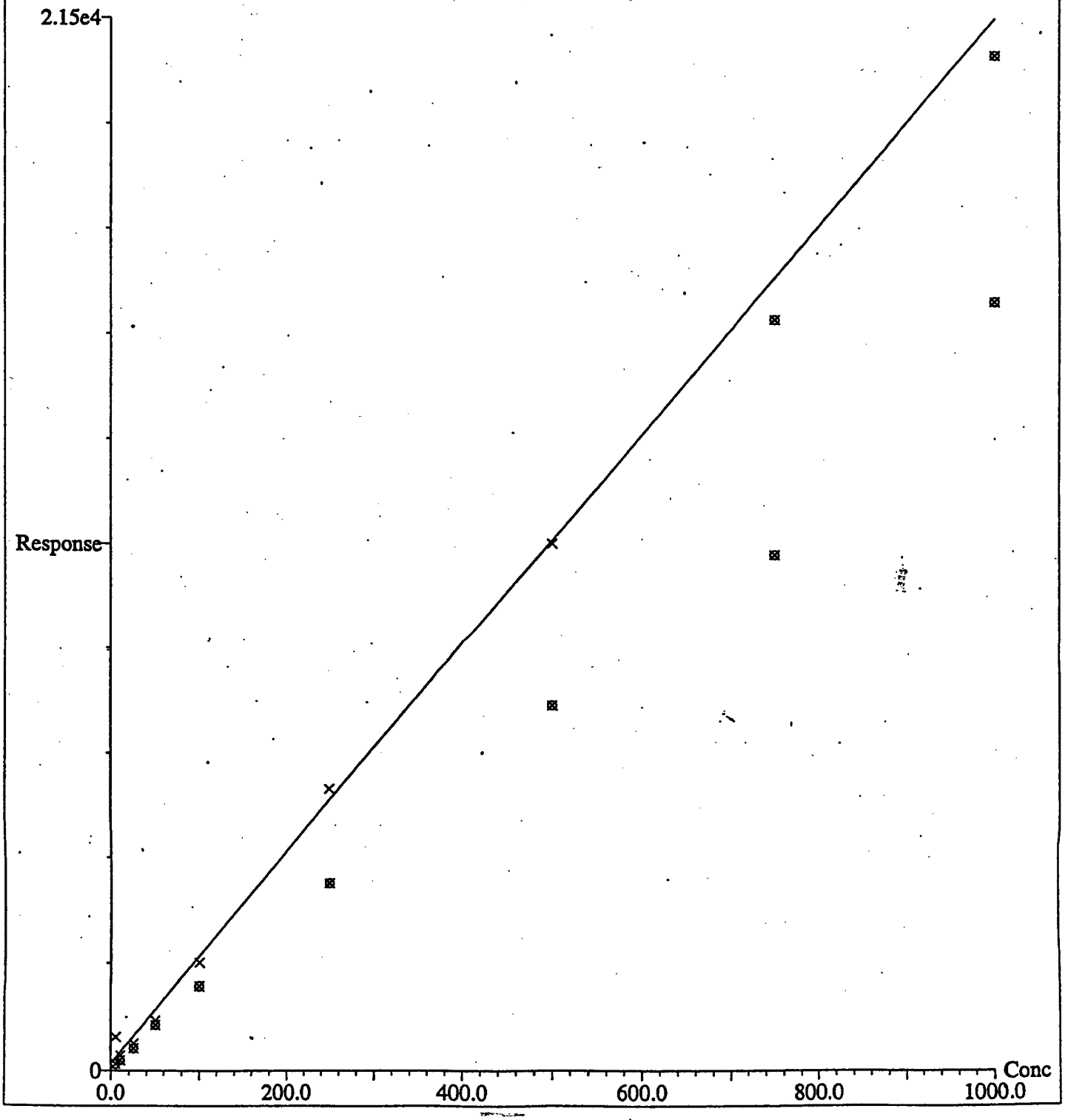
Compound 1 name: PFOS
Correlation coefficient: r = 0.999604, r^2 = 0.999208
Calibration curve: 28.4213 * x + 269.890
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



Soup 020199:: quantitated and printed by mee 2/25/99

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022399c
Last modified: Thu Feb 25 13:43:28 1999
Printed: Thu Feb 25 13:43:55 1999

Compound 2 name: PFHS
Correlation coefficient: r = 0.998267, r^2 = 0.996537
Calibration curve: 21.3424 * x + 163.104
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None

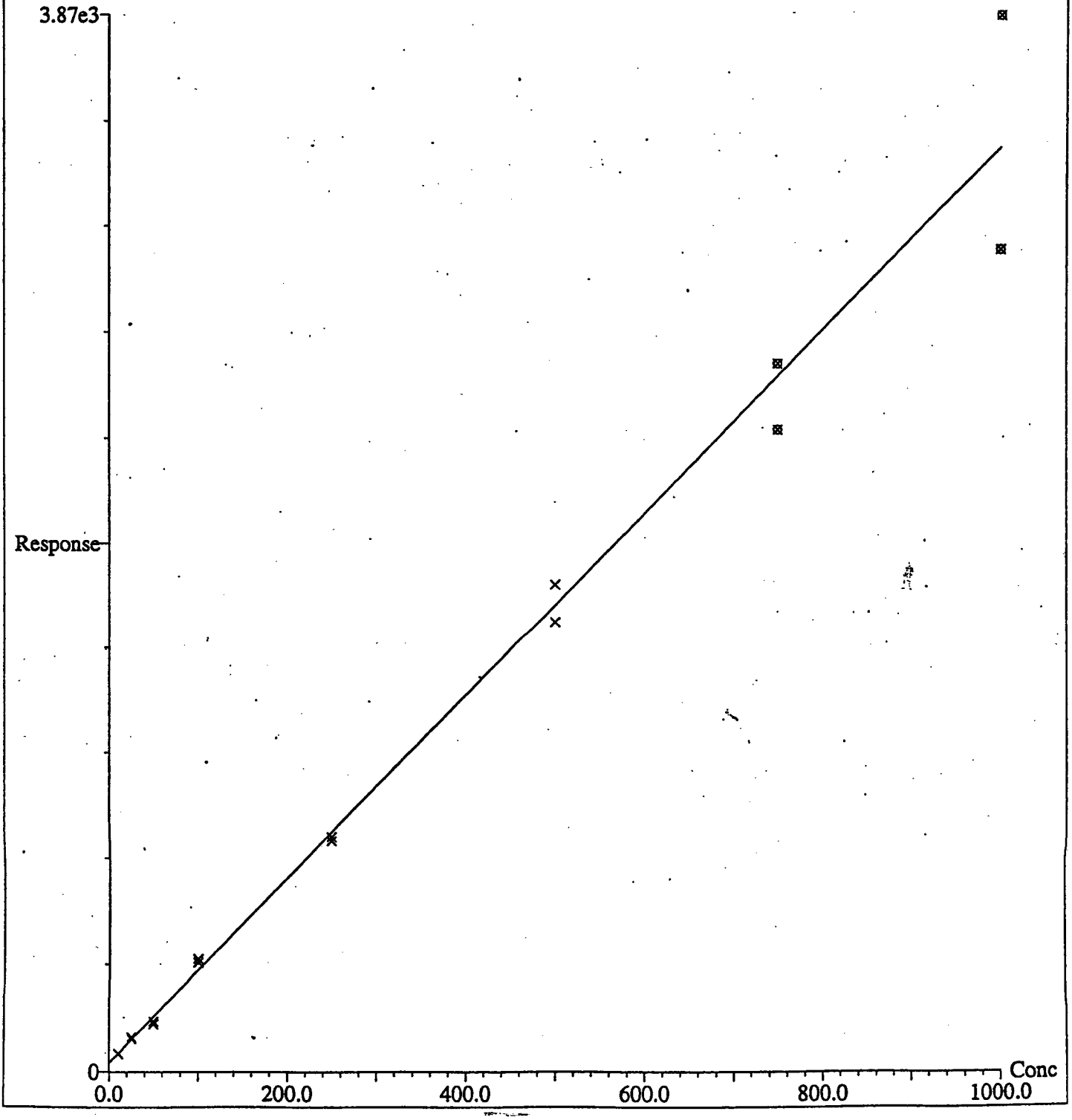


Soup 020199:: quantitated and printed by mae 2/25/99

Quantify Calibration Report
Tox 120 DNO, Rat Liver Extracts

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022399c
Last modified: Thu Feb 25 13:43:28 1999
Printed: Thu Feb 25 13:43:55 1999

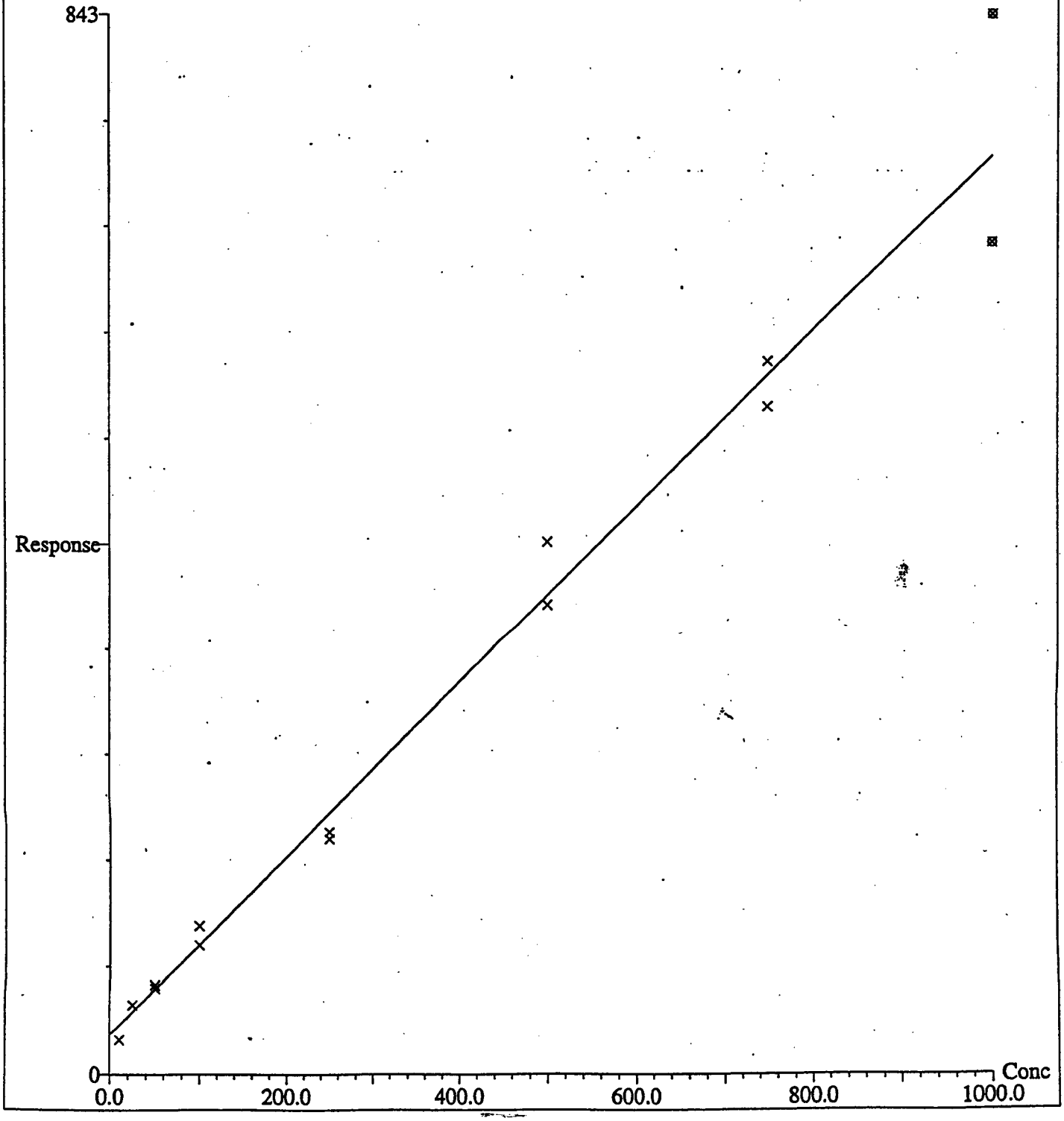
Compound 3 name: POAA
Correlation coefficient: r = 0.998245, r^2 = 0.996493
Calibration curve: 3.35408 * x + 33.1971
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



Soup 020199:: quantitated and printed by mae 2/25/99

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022399c
Last modified: Thu Feb 25 13:43:28 1999
Printed: Thu Feb 25 13:43:55 1999

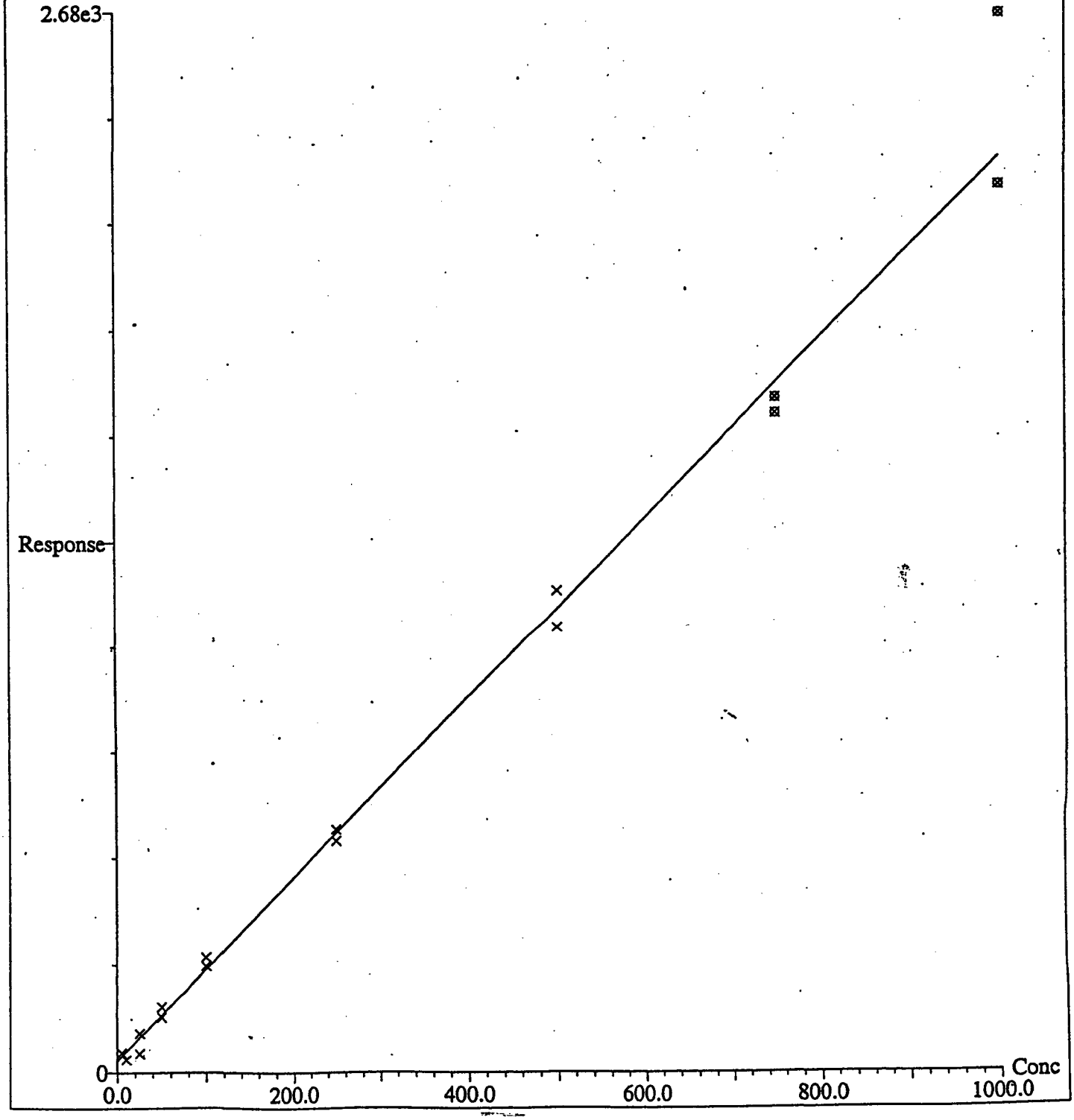
Compound 4 name: M513
Correlation coefficient: r = 0.995618, r^2 = 0.991256
Calibration curve: 0.698781 * x + 31.5781
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



Quantify Calibration Report
Tox 120 DMO, Rat Liver Extracts

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022399c
Last modified: Thu Feb 25 13:43:28 1999
Printed: Thu Feb 25 13:43:55 1999

Compound 5 name: M613
Correlation coefficient: r = 0.997791, r^2 = 0.995587
Calibration curve: 2.28142 * x + 29.8900
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None

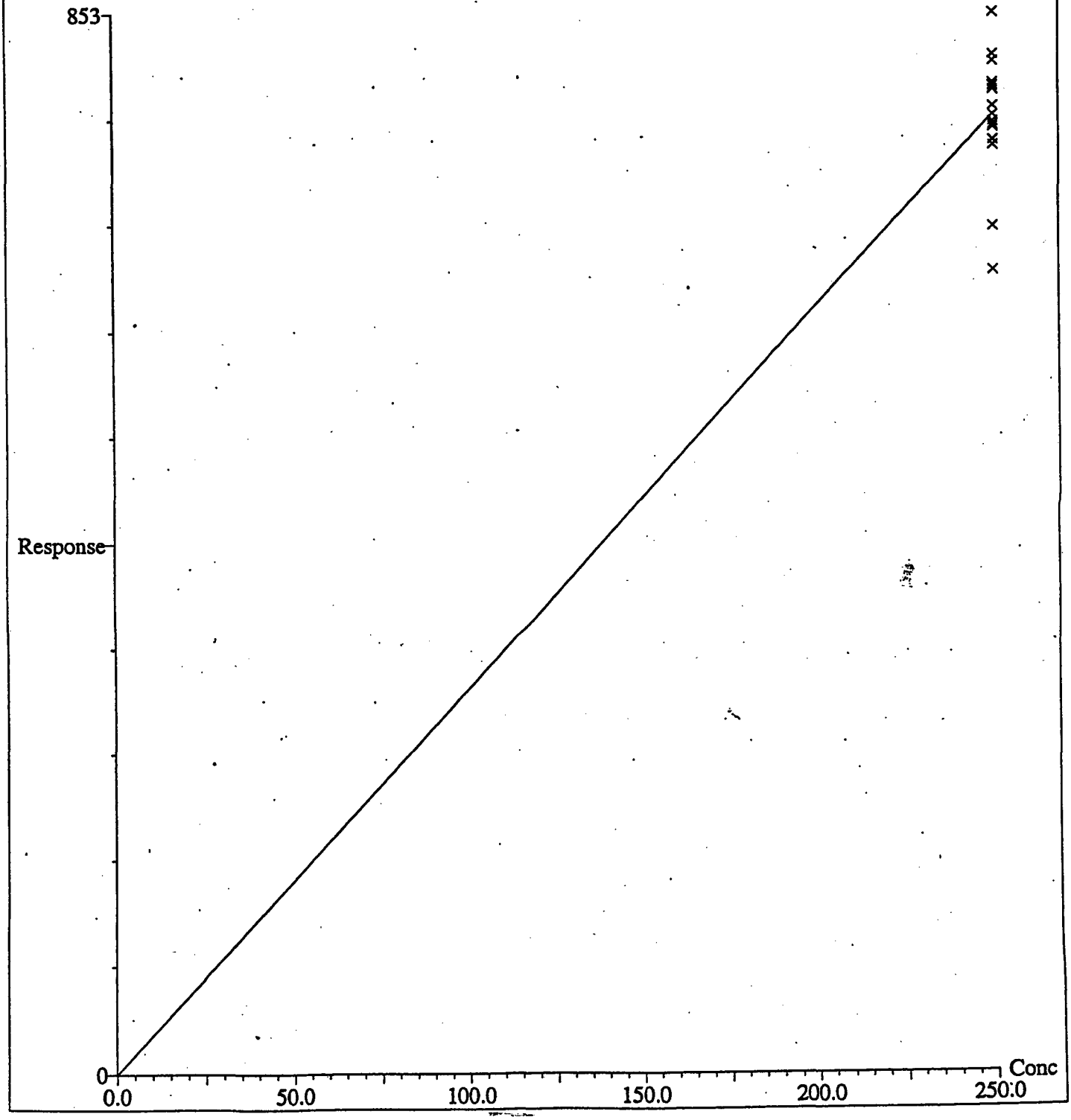


Soup 020199:: quantitated and printed by mee 2/25/99

Quantify Calibration Report
Tox 120 DNO, Rat Liver Extracts

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022399c
Last modified: Thu Feb 25 13:43:28 1999
Printed: Thu Feb 25 13:43:55 1999

Compound 6 name: IS
Response Factor: 3.08287
Response type: External Std, Area
Curve type: RF



Soup 020199:: quantitated and printed by mee 2/25/99

BACK TO MAIN

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022399c.mdb
Last modified: Thu Feb 25 13:25:14 1999

Compound: 1: PFOS

Printed: Wed Mar 03 16:41:29 1999

SOUP 020199 LAC 03/03/99

Compound Name: PFOS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 8.036, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 1.030

Peak Selection: Nearest

Response Type: External
Response: Area

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 185

Smoothing: Disabled
Window size (scans): 1
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

DKB 02/24/99

SOUP 020199: FACT Equipment Log 99014 **PAGE ____**
Quattro II, #6414E

DATE: 2/24/99

ANALYST: drb

STUDY NUMBER: Tox-120 MATRIX: Rat Liver DESCRIPTION: Liver Samples .

FACT Method: FACT-M-4.0 .

Injection volume: 10 uL Cycle time: 13.5 min. Electrode: Z-Spray

Mobile Phase: (A) 2.0 mM NH4CH3CO2 (B) MeOH

TN-A- or stndrd number (A) 98012-1-4 (B) TN-A-2260

Prepared (date/by): (A) 2/11/99 hoj (B) 2/99. hoj

Expires: (A) 8/99 (B) 8/99

Store at room temp? [Y] or N Other: _____

Guard column: None

Part number: na Lot number: na

Analytical column: Keystone Betasil

Size: 2 x 100 mm Type: C18 Sphere size: 5 um

Part number: 105-701-2 Lot number: P8C09 Serial number: 10881106D

Analytical parameters:

Drying gas (L/hr): 300 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 120 bar

HPLC solvent gradient: Long 2

Time (min.)	%B
1) 0.00	40.0
2) 8.50	90.0
3) 11.0	90.0
4) 12.0	40.0
5) 13.5	Stop

BACK TO MAIN

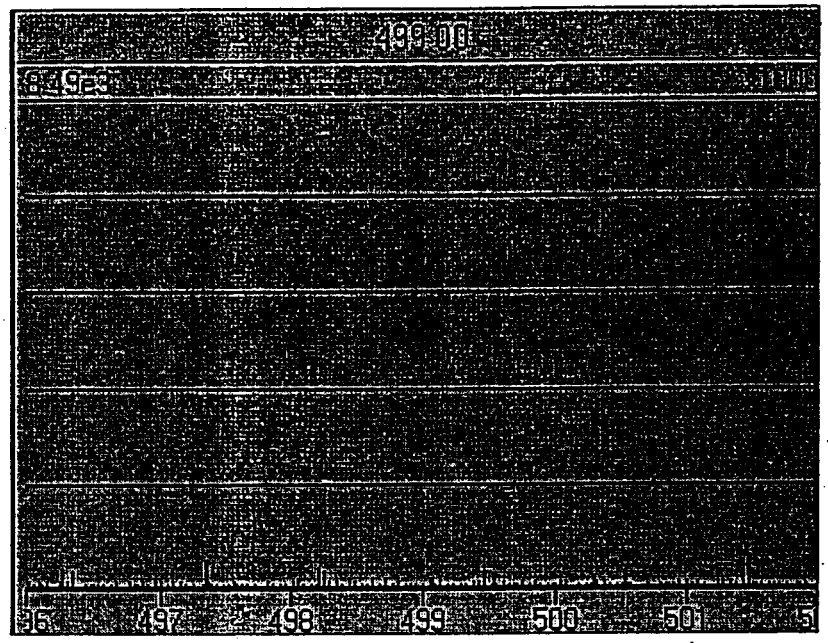
Tuning Method Report

DLB 02/24/99

Method: C:\MASSLYNX\FACT-1.PRO\ACQUDB\PFOS

Printed: Wed Feb 24 15:22:59 1999

Soup 020199 LAC 05/10/99



MS

SOURCE (ESP-)	Set	Rdbk
Capillary	3.00	2.99
Cone	60	-60
Extractor	5	-7
RF Lens	0.2	
Source Block Temp.	150	150
Desolvation Temp.	250	250

MS1	Set	Rdbk
LM Resolution	14.0	
HM Resolution	14.0	
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 6	5	3
Multiplier	650	

Pressures	Rdbk
Analyser Vacuum	1.2e-4
Gas Cell	5.2e-3

MS2	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Collision	45	42
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 8	40	38
Lens 9	0	42
Multiplier	650	

BACK TO MAIN

Scanning Method Report

Method: C:\MASSLYNX\FACT-1.PRO\ACQUDB\TOX120A
Last Modified: Tue Feb 23 16:01:03 1999

Printed: Wed Feb 24 15:23:18 1999

DHS 02/24/99

Solvent Delay (mins) : 0.00

Function : 1 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	399.00	80.00	0.25	45	60
2	399.00	99.00	0.25	45	60
3	399.00	130.00	0.25	45	60

Function : 2 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	499.00	80.00	0.25	45	60
2	499.00	99.00	0.25	45	60
3	499.00	130.00	0.25	45	60

Function : 3 MRM of 2 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	299.00	80.00	0.25	45	35
2	299.00	99.00	0.25	45	35

Function : 4 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	413.00	119.00	0.25	30	15
2	413.00	169.00	0.25	20	15
3	413.00	219.00	0.25	30	15

Function : 5 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	469.00	169.00	0.25	45	30
2	469.00	219.00	0.25	45	30
3	469.00	119.00	0.25	45	30

Function : 6 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	569.00	169.00	0.25	45	35
2	569.00	219.00	0.25	45	35
3	569.00	119.00	0.25	45	35

Function : 7 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	427.00	80.00	0.25	40	60

Masslynx - Sample List

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022499a.SPL
Printed: Wed Feb 24 15:25:39 1999

DKS 02/24/99

Soup 020199 LAC 05/10/99

	File Name	File Text	MS File	Inlet I	Bottl	olume	Sample T	Conc A	Conc B	Conc C
1	022499001	MeOH Blank	TOX12C	long2	91	10	Analyte			
2	022499002	MeOH Blank	TOX12C	long2	91	10	Analyte			
3	022499003	Tox 120, RBL02229-H2O Blk-1, 2/22	TOX12C	long2	1	10	Analyte			
4	022499004	Tox 120, RBL02229-RBLiverBlk-1, 2	TOX12C	long2	2	10	Analyte			
5	022499005	Tox 120, RBL02229-5ppb-1, 2/22/99	TOX12C	long2	3	10	Standard			
6	022499006	Tox 120, RBL02229-10ppb-1, 2/22/9	TOX12C	long2	4	10	Standard			
7	022499007	Tox 120, RBL02229-25ppb-1, 2/22/9	TOX12C	long2	5	10	Standard			
8	022499008	Tox 120, RBL02229-50ppb-1, 2/22/9	TOX12C	long2	6	10	Standard			
9	022499009	Tox 120, RBL02229-100ppb-1, 2/22/	TOX12C	long2	7	10	Standard			
10	022499010	Tox 120, RBL02229-250ppb-1, 2/22/	TOX12C	long2	8	10	Standard			
11	022499011	Tox 120, RBL02229-500ppb-1, 2/22/	TOX12C	long2	9	10	Standard			
12	022499012	Tox 120, RBL02229-750ppb-1, 2/22/	TOX12C	long2	10	10	Standard			
13	022499013	Tox 120, RBL02229-1000ppb-1, 2/2	TOX12C	long2	11	10	Standard			
14	022499014	MeOH Blank	TOX12C	long2	92	10	Analyte			
15	022499015	Tox 120 DNO. 145F-G4, 2/22/99	TOX12C	long2	12	10	Analyte			
16	022499016	Tox 120 DNO. 146F-G4, 2/22/99	TOX12C	long2	13	10	Analyte			
17	022499017	Tox 120 DNO. 147F-G4, 2/22/99	TOX12C	long2	14	10	Analyte			
18	022499018	Tox 120 DNO. 148F-G4, 2/22/99	TOX12C	long2	15	10	Analyte			
19	022499019	Tox 120 DNO. 149F-G4, 2/22/99	TOX12C	long2	16	10	Analyte			
20	022499020	Tox 120, RBL02229-250ppb-CC11, 2	TOX12C	long2	17	10	QC			
21	022499021	MeOH Blank	TOX12C	long2	92	10	Analyte			
22	022499022	Tox 120 DNO. 150F-G4, 2/22/99	TOX12C	long2	18	10	Analyte			
23	022499023	Tox 120 DNO. 151F-G4, 2/22/99	TOX12C	long2	19	10	Analyte			
24	022499024	Tox 120 DNO. 152F-G4, 2/22/99	TOX12C	long2	20	10	Analyte			
25	022499025	Tox 120 DNO. 153F-G4, 2/22/99	TOX12C	long2	21	10	Analyte			
26	022499026	Tox 120 DNO. 154F-G4, 2/22/99	TOX12C	long2	22	10	Analyte			
27	022499027	Tox 120, RBL02229-250ppb-CC12, 2	TOX12C	long2	23	10	QC			
28	022499028	MeOH Blank	TOX12C	long2	92	10	Analyte			
29	022499029	Tox 120 DNO. 155F-G4, 2/22/99	TOX12C	long2	24	10	Analyte			
30	022499030	Tox 120 DNO. 157F-G4, 2/22/99	TOX12C	long2	25	10	Analyte			
31	022499031	Tox 120 DNO. 158F-G4, 2/22/99	TOX12C	long2	27	10	Analyte			
32	022499032	Tox 120 DNO. 159F-G4, 2/22/99	TOX12C	long2	28	10	Analyte			
33	022499033	Tox 120, RBL02229-250ppb-CC13, 2	TOX12C	long2	29	10	QC			
34	022499034	MeOH Blank	TOX12C	long2	93	10	Analyte			
35	022499035	Tox 120 DNO. 161F-G5, 2/22/99	TOX12C	long2	30	10	Analyte			
36	022499036	Tox 120 DNO. 162F-G5, 2/22/99	TOX12C	long2	31	10	Analyte			
37	022499037	Tox 120 DNO. 163F-G5, 2/22/99	TOX12C	long2	32	10	Analyte			
38	022499038	Tox 120 DNO. 164F-G5, 2/22/99	TOX12C	long2	33	10	Analyte			
39	022499039	Tox 120 DNO. 165F-G5, 2/22/99	TOX12C	long2	34	10	Analyte			
40	022499040	Tox 120, RBL02229-250ppb-CC14, 2	TOX12C	long2	35	10	QC			
41	022499041	MeOH Blank	TOX12C	long2	93	10	Analyte			
42	022499042	Tox 120 DNO. 166F-G5, 2/22/99	TOX12C	long2	36	10	Analyte			
43	022499043	Tox 120 DNO. 167F-G5, 2/22/99	TOX12C	long2	37	10	Analyte			
44	022499044	Tox 120 DNO. 168F-G5, 2/22/99	TOX12C	long2	38	10	Analyte			
45	022499045	Tox 120 DNO. 169F-G5, 2/22/99	TOX12C	long2	39	10	Analyte			
46	022499046	Tox 120 DNO. 170F-G5 2/22/99	TOX12C	long2	40	10	Analyte			
47	022499047	Tox 120, RBL02229-250ppb-CC15, 2	TOX12C	long2	41	10	QC			
48	022499048	MeOH Blank	TOX12C	long2	93	10	Analyte			
49	022499049	Tox 120 DNO. 171F-G5 2/22/99	TOX12C	long2	42	10	Analyte			
50	022499050	Tox 120 DNO. 173F-G5 2/22/99	TOX12C	long2	43	10	Analyte			
51	022499051	Tox 120 DNO. 174F-G5 2/22/99	TOX12C	long2	44	10	Analyte			
52	022499052	Tox 120 DNO. 175F-G5 2/22/99	TOX12C	long2	45	10	Analyte			
53	022499053	Tox 120 DNO. 177F-G6 2/22/99	TOX12C	long2	46	10	Analyte			
54	022499054	Tox 120, RBL02229-250ppb-CC16, 2	TOX12C	long2	47	10	QC			
55	022499055	MeOH Blank	TOX12C	long2	94	10	Analyte			
56	022499056	Tox 120 DNO. 178F-G6 2/22/99	TOX12C	long2	48	10	Analyte			
57	022499057	Tox 120 DNO. 179F-G6 2/22/99	TOX12C	long2	49	10	Analyte			
58	022499058	Tox 120 DNO. 180F-G6 2/22/99	TOX12C	long2	50	10	Analyte			
59	022499059	Tox 120 DNO. 181F-G6 2/22/99	TOX12C	long2	51	10	Analyte			

BACK TO MAIN

Masslynx - Sample List

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022499a.SPL
Printed: Wed Feb 24 15:25:39 1999

DKB 02/24/99

Soup 020199. LAC 05/10/99

	File Name	File Text	MS File	Inlet I	Bottle	olume	Sample Ty	Conc A	Conc B	Conc C
60	022499060	Tox 120 DNO. 182F-G6 2/22/99	TOX12C	long2	52	10	Analyte			
61	022499061	Tox 120, RBL02229-250ppb-CC17, 2	TOX12C	long2	53	10	QC			
62	022499062	MeOH Blank	TOX12C	long2	94	10	Analyte			
63	022499063	Tox 120 DNO. 183F-G6 2/22/99	TOX12C	long2	54	10	Analyte			
64	022499064	Tox 120 DNO. 184F-G6 2/22/99	TOX12C	long2	55	10	Analyte			
65	022499065	Tox 120 DNO. 185F-G6 2/22/99	TOX12C	long2	56	10	Analyte			
66	022499066	Tox 120 DNO. 186F-G6 2/22/99	TOX12C	long2	57	10	Analyte			
67	022499067	Tox 120 DNO. 187F-G6 2/22/99	TOX12C	long2	58	10	Analyte			
68	022499068	Tox 120, RBL02229-250ppb-CC18, 2	TOX12C	long2	59	10	QC			
69	022499069	MeOH Blank	TOX12C	long2	95	10	Analyte			
70	022499070	Tox 120 DNO. 189F-G6 2/22/99	TOX12C	long2	60	10	Analyte			
71	022499071	Tox 120 DNO. 190F-G6 2/22/99	TOX12C	long2	61	10	Analyte			
72	022499072	Tox 120 DNO. 191F-G6 2/22/99	TOX12C	long2	62	10	Analyte			
73	022499073	Tox 120, RBL02229-250ppb-CC1, 2/	TOX12C	long2	63	10	QC			
74	022499074	MeOH Blank	TOX12C	long2	95	10	Analyte			
75	022499075	Tox 120, 110F-G1-250ppb-MS, 2/22	TOX12C	long2	64	10	Analyte			
76	022499076	Tox 120, 110F-G1-250ppb-MSD, 2/2	TOX12C	long2	65	10	Analyte			
77	022499077	Tox 120, RBL02229-250ppb-CC2, 2/	TOX12C	long2	66	10	Analyte			
78	022499078	MeOH Blank	TOX12C	long2	95	10	Analyte			
79	022499079	Tox 120, RBL02229-H2O Blk-2, 2/22	TOX12C	long2	67	10	Analyte			
80	022499080	Tox 120, RBL02229-RBLiverBlk-1, 2	TOX12C	long2	68	10	Analyte			
81	022499081	Tox 120, RBL02229-5ppb-2, 2/22/99	TOX12C	long2	69	10	Standard			
82	022499082	Tox 120, RBL02229-10ppb-2, 2/22/9	TOX12C	long2	70	10	Standard			
83	022499083	Tox 120, RBL02229-25ppb-2, 2/22/9	TOX12C	long2	71	10	Standard			
84	022499084	Tox 120, RBL02229-50ppb-2, 2/22/9	TOX12C	long2	72	10	Standard			
85	022499085	Tox 120, RBL02229-100ppb-2, 2/22/	TOX12C	long2	73	10	Standard			
86	022499086	Tox 120, RBL02229-250ppb-2, 2/22/	TOX12C	long2	74	10	Standard			
87	022499087	Tox 120, RBL02229-500ppb-2, 2/22/	TOX12C	long2	75	10	Standard			
88	022499088	Tox 120, RBL02229-750ppb-2, 2/22/	TOX12C	long2	76	10	Standard			
89	022499089	Tox 120, RBL02229-1000ppb-2, 2/2	TOX12C	long2	77	10	Standard			

BACK TO MAIN

FACT: DATA REVIEW SUMMARY FORM

Date: 03/09/99

Analyst: drb

FACT Study Number: TOX120

Matrix: Rat Liver

Time Points: Groups 4-6

Dilutions? No

Analyte 1: PFOS
Acceptable Linear Range: 25-1,000ppb
LOQ for this data set: 25ppb
Re-evaluated for different range? No

Analyte 2: PFHS
Acceptable Linear Range: Curve unacceptable
LOQ for this data set: poor STD correlation between beginning and end of run
Re-evaluated for different range? —

Analyte 3: POAA
Acceptable Linear Range: 25-250ppb
LOQ for this data set: 25ppb
Re-evaluated for different range? No

Analyte 4: M5I3
Acceptable Linear Range: 100-1,000ppb
LOQ for this data set: 100
Re-evaluated for different range? No

Analyte 5: M6I3
Acceptable Linear Range: 10-250ppb
LOQ for this data set: 10ppb
Re-evaluated for different range? No

Analyte 6: Sum
Acceptable Linear Range: —
LOQ for this data set: —
Re-evaluated for different range? —

Analyte 7:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

LAC 05/10/99

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022499a
Last modified: Wed Mar 10 09:21:55 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a
Last modified: Tue Mar 09 13:53:43 1999
Job Code:

Printed: Wed Mar 10 09:43:56 1999

DRB 03/10/99

Compound 1: PFOS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Di..	Conc.	Flags	%Dev
1	022499001	MeOH Blank	Analyte		7.951	131	1	0.00	MM	
2	022499002	MeOH Blank	Analyte							
3	022499003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte		7.941	91	1	0.00	MM	
4	022499004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte		8.035	418	1	5.18	MM	
5	022499005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	5.99	7.960	961	1	28.41	MMX	374
6	022499006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	12.00	7.952	642	1	14.74	MMX	23
7	022499007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	29.90	7.951	1002	1	30.18	MM	1
8	022499008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	59.90	7.986	1612	1	56.29	MM	-6
9	022499009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	120.00	7.952	2898	1	111.40	MM	-7
10	022499010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	299.00	7.922	7377	1	303.25	MM	1
11	022499011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	599.00	7.923	14301	1	599.79	MM	0
12	022499012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	898.00	7.863	21841	1	922.73	MM	3
13	022499013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	1198.00	7.854	27547	1	1167.13	MM	-3
14	022499014	MeOH Blank	Analyte							
15	022499015	Tox 120 DNO. 145F-G4, 2/22/99	Analyte		7.954	3698	1	145.67	MM	
16	022499016	Tox 120 DNO. 146F-G4, 2/22/99	Analyte		7.843	3012	1	116.29	MM	
17	022499017	Tox 120 DNO. 147F-G4, 2/22/99	Analyte		7.852	2429	1	91.32	bb	
18	022499018	Tox 120 DNO. 148F-G4, 2/22/99	Analyte		7.766	3388	1	132.39	MM	
19	022499019	Tox 120 DNO. 149F-G4, 2/22/99	Analyte		7.822	2735	1	104.39	MM	
20	022499020	Tox 120, RBL02229-250ppb-CC11, 2/22/99	QC	299.00	7.854	6536	1	267.21	bb	-11
21	022499021	MeOH Blank	Analyte							
22	022499022	Tox 120 DNO. 150F-G4, 2/22/99	Analyte		7.958	2709	1	103.27	MM	
23	022499023	Tox 120 DNO. 151F-G4, 2/22/99	Analyte		7.797	3855	1	152.38	MM	
24	022499024	Tox 120 DNO. 152F-G4, 2/22/99	Analyte		7.863	2880	1	110.60	MM	
25	022499025	Tox 120 DNO. 153F-G4, 2/22/99	Analyte		7.859	2105	1	77.44	MM	
26	022499026	Tox 120 DNO. 154F-G4, 2/22/99	Analyte		7.829	3459	1	135.41	MM	
27	022499027	Tox 120, RBL02229-250ppb-CC12, 2/22/99	QC	299.00	7.857	5875	1	238.88	MM	-20
28	022499028	MeOH Blank	Analyte							
29	022499029	Tox 120 DNO. 155F-G4, 2/22/99	Analyte		7.927	1975	1	71.84	MM	
30	022499030	Tox 120 DNO. 157F-G4, 2/22/99	Analyte		7.860	4075	1	161.80	MM	
31	022499031	Tox 120 DNO. 158F-G4, 2/22/99	Analyte		7.840	2570	1	97.34	MM	
32	022499032	Tox 120 DNO. 159F-G4, 2/22/99	Analyte		7.856	4069	1	161.56	MM	
33	022499033	Tox 120, RBL02229-250ppb-CC13, 2/22/99	QC	299.00	7.869	6615	1	270.57	MM	-10
34	022499034	MeOH Blank	Analyte							
35	022499035	Tox 120 DNO. 161F-G5, 2/22/99	Analyte		7.926	2634	1	100.10	MM	
36	022499036	Tox 120 DNO. 162F-G5, 2/22/99	Analyte		7.846	1826	1	65.48	MM	
37	022499037	Tox 120 DNO. 163F-G5, 2/22/99	Analyte		7.858	2079	1	76.32	MM	
38	022499038	Tox 120 DNO. 164F-G5, 2/22/99	Analyte		7.865	3031	1	117.09	bb	
39	022499039	Tox 120 DNO. 165F-G5, 2/22/99	Analyte		7.868	2013	1	73.46	MM	
40	022499040	Tox 120, RBL02229-250ppb-CC14, 2/22/99	QC	299.00	7.836	6827	1	279.66	MM	-6
41	022499041	MeOH Blank	Analyte							
42	022499042	Tox 120 DNO. 166F-G5, 2/22/99	Analyte		7.937	2015	1	73.58	MM	
43	022499043	Tox 120 DNO. 167F-G5, 2/22/99	Analyte		7.869	3075	1	118.98	MM	
44	022499044	Tox 120 DNO. 168F-G5, 2/22/99	Analyte		7.843	2398	1	89.96	MM	
45	022499045	Tox 120 DNO. 169F-G5, 2/22/99	Analyte		7.813	1835	1	65.85	MM	
46	022499046	Tox 120 DNO. 170F-G5 2/22/99	Analyte		7.858	1771	1	63.13	MM	
47	022499047	Tox 120, RBL02229-250ppb-CC15, 2/22/99	QC	299.00	7.838	7326	1	301.06	MM	1
48	022499048	MeOH Blank	Analyte							
49	022499049	Tox 120 DNO. 171F-G5 2/22/99	Analyte		7.947	1287	1	42.37	MM	
50	022499050	Tox 120 DNO. 173F-G5 2/22/99	Analyte		7.825	1611	1	56.26	MM	
51	022499051	Tox 120 DNO. 174F-G5 2/22/99	Analyte		7.868	1421	1	48.15	MM	
52	022499052	Tox 120 DNO. 175F-G5 2/22/99	Analyte		7.854	3019	1	116.58	MM	
53	022499053	Tox 120 DNO. 177F-G6 2/22/99	Analyte		7.750	2815804	1	120593..	MM	
54	022499054	Tox 120, RBL02229-250ppb-CC16, 2/22/99	QC	299.00	7.861	8723	1	360.87	MM	21
55	022499055	MeOH Blank	Analyte		7.869	672	1	16.03	MM	
56	022499056	Tox 120 DNO. 178F-G6 2/22/99	Analyte		7.921	2500912	1	107105..	MM	
57	022499057	Tox 120 DNO. 179F-G6 2/22/99	Analyte		7.849	2888958	1	123726..	MM	
58	022499058	Tox 120 DNO. 180F-G6 2/22/99	Analyte		7.856	2788001	1	119402..	MM	
59	022499059	Tox 120 DNO. 181F-G6 2/22/99	Analyte		7.752	3070609	1	131506..	MM	
60	022499060	Tox 120 DNO. 182F-G6 2/22/99	Analyte		7.576	2923061	1	125187..	MM	
61	022499061	Tox 120, RBL02229-250ppb-CC17, 2/22/99	QC	299.00	7.854	10935	1	455.64	MM	52
62	022499062	MeOH Blank	Analyte		7.927	1317	1	43.65	MM	
63	022499063	Tox 120 DNO. 183F-G6 2/22/99	Analyte		7.931	2658942	1	113874..	MM	
64	022499064	Tox 120 DNO. 184F-G6 2/22/99	Analyte		7.853	2786810	1	119351..	MM	
65	022499065	Tox 120 DNO. 185F-G6 2/22/99	Analyte		7.853	2179533	1	93340.52	MM	
66	022499066	Tox 120 DNO. 186F-G6 2/22/99	Analyte		7.849	2500338	1	107081..	MM	
67	022499067	Tox 120 DNO. 187F-G6 2/22/99	Analyte		7.861	2181490	1	93424.33	MM	
68	022499068	Tox 120, RBL02229-250ppb-CC18, 2/22/99	QC	299.00	7.861	9312	1	386.12	MM	29
69	022499069	MeOH Blank	Analyte		7.931	1129	1	35.60	MM	
70	022499070	Tox 120 DNO. 189F-G6 2/22/99	Analyte		7.937	1727855	1	73994.38	MM	
71	022499071	Tox 120 DNO. 190F-G6 2/22/99	Analyte		7.862	2127694	1	91120.17	MM	
72	022499072	Tox 120 DNO. 191F-G6 2/22/99	Analyte		7.788	2156368	1	92348.31	MM	
73	022499073	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	299.00	7.871	10158	1	422.36	MM	41
74	022499074	MeOH Blank	Analyte		7.867	1526	1	52.63	MM	
75	022499075	Tox 120, 110F-G1-250ppb-MS, 2/22/99	Analyte		7.696	13377	1	560.22	bb	
76	022499076	Tox 120, 110F-G1-250ppb-MSD, 2/22/99	Analyte		7.782	15270	1	641.32	bb	
77	022499077	Tox 120, RBL02229-250ppb-CC2, 2/22/99	Analyte		7.848	5786	1	235.07	MM	
78	022499078	MeOH Blank	Analyte		7.947	418	1	5.17	MM	
79	022499079	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte		7.918	368	1	3.01	bb	
80	022499080	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte		7.990	416	1	5.10	bb	
81	022499081	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	5.99	7.881	603	1	13.08	MMX	118
82	022499082	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	12.00	7.912	636	1	14.50	bbX	21
83	022499083	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	29.90	7.884	1180	1	37.81	MM	26
84	022499084	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	59.90	7.899	1924	1	69.67	MM	16
85	022499085	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	120.00	7.852	3319	1	129.40	MM	8
86	022499086	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	299.00	7.869	7281	1	299.12	MM	0
87	022499087	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	599.00	7.868	11610	1	570.21	MM	-5
88	022499088	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	898.00	7.865	20328	1	857.94	MM	-4
89	022499089	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	1198.00	7.866	29544	1	1252.68	MM	5

Entered 03/10/99 LAC

1:1000 dilution needed LAC 03/10/99

Entered 03/10/99 LAC

Soup 020199: Quantitated on 03/09/99 and printed on 03/10/99 by DRB

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022499a
Last modified: Wed Mar 10 09:21:55 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a
Last modified: Tue Mar 09 13:53:43 1999
Job Code:

Printed: Wed Mar 10 09:43:56 1999

DRB 03/10/99

Compound 2: PFHS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Di..	Conc.	Flags	%Dev
1	022499001	MeOH Blank	Analyte							
2	022499002	MeOH Blank	Analyte							
3	022499003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte							
4	022499004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte		6.648	157	1	0.82	MM	
5	022499005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	5.99	6.583	463	1	46.18	MM	671
6	022499006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	12.00	6.563	250	1	14.54	MM	21
7	022499007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	29.90	6.562	314	1	24.11	bb	-19
8	022499008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	59.90	6.528	552	1	59.47	bb	-1
9	022499009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	120.00	6.565	981	1	123.26	MM	3
10	022499010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	299.00	6.539	2548	1	356.08	MM	19
11	022499011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	599.00	6.457	4498	1	645.67	MM	8
12	022499012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	898.00	6.474	7283	1	1059.54	MM	18
13	022499013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	1198.00	6.465	8654	1	1263.23	MM	5
14	022499014	MeOH Blank	Analyte							
15	022499015	Tox 120 DNO. 145F-G4, 2/22/99	Analyte		6.565	428	1	41.08	MM	
16	022499016	Tox 120 DNO. 146F-G4, 2/22/99	Analyte		7.321	68	1	0.00	bb	
17	022499017	Tox 120 DNO. 147F-G4, 2/22/99	Analyte		6.464	36	1	0.00	bb	
18	022499018	Tox 120 DNO. 148F-G4, 2/22/99	Analyte		6.377	138	1	0.00	bb	
19	022499019	Tox 120 DNO. 149F-G4, 2/22/99	Analyte		6.450	147	1	0.00	MM	
20	022499020	Tox 120, RBL02229-250ppb-CC11, 2/22/99	QC	299.00	6.465	1692	1	228.87	bb	-23
21	022499021	MeOH Blank	Analyte							
22	022499022	Tox 120 DNO. 150F-G4, 2/22/99	Analyte		6.583	173	1	3.11	MM	
23	022499023	Tox 120 DNO. 151F-G4, 2/22/99	Analyte		6.409	52	1	0.00	MM	
24	022499024	Tox 120 DNO. 152F-G4, 2/22/99	Analyte		6.389	105	1	0.00	MM	
25	022499025	Tox 120 DNO. 153F-G4, 2/22/99	Analyte							
26	022499026	Tox 120 DNO. 154F-G4, 2/22/99	Analyte							
27	022499027	Tox 120, RBL02229-250ppb-CC12, 2/22/99	QC	299.00	6.387	1132	1	145.57	MM	-51
28	022499028	MeOH Blank	Analyte							
29	022499029	Tox 120 DNO. 155F-G4, 2/22/99	Analyte							
30	022499030	Tox 120 DNO. 157F-G4, 2/22/99	Analyte							
31	022499031	Tox 120 DNO. 158F-G4, 2/22/99	Analyte							
32	022499032	Tox 120 DNO. 159F-G4, 2/22/99	Analyte							
33	022499033	Tox 120, RBL02229-250ppb-CC13, 2/22/99	QC	299.00	6.407	1354	1	178.69	MM	-40
34	022499034	MeOH Blank	Analyte							
35	022499035	Tox 120 DNO. 161F-G5, 2/22/99	Analyte		6.542	224055	1	33265.77	MM	
36	022499036	Tox 120 DNO. 162F-G5, 2/22/99	Analyte		6.458	201712	1	29946.12	MM	
37	022499037	Tox 120 DNO. 163F-G5, 2/22/99	Analyte		6.474	162554	1	24128.42	MM	
38	022499038	Tox 120 DNO. 164F-G5, 2/22/99	Analyte		6.476	141519	1	21003.21	MM	
39	022499039	Tox 120 DNO. 165F-G5, 2/22/99	Analyte		6.496	161586	1	23984.62	MM	
40	022499040	Tox 120, RBL02229-250ppb-CC14, 2/22/99	QC	299.00	6.448	1657	1	223.64	MM	-25
41	022499041	MeOH Blank	Analyte		6.490	156	1	0.58	MM	
42	022499042	Tox 120 DNO. 166F-G5, 2/22/99	Analyte		6.551	201189	1	29868.45	MM	
43	022499043	Tox 120 DNO. 167F-G5, 2/22/99	Analyte		6.480	136264	1	20222.42	MM	
44	022499044	Tox 120 DNO. 168F-G5, 2/22/99	Analyte		6.459	112102	1	16632.67	MM	
45	022499045	Tox 120 DNO. 169F-G5, 2/22/99	Analyte		6.442	1454	1	193.43	MM	
46	022499046	Tox 120 DNO. 170F-G5 2/22/99	Analyte		6.474	803	1	96.74	MM	
47	022499047	Tox 120, RBL02229-250ppb-CC15, 2/22/99	QC	299.00	6.451	1291	1	169.19	MM	-43
48	022499048	MeOH Blank	Analyte		6.533	109	1	0.00	MM	
49	022499049	Tox 120 DNO. 171F-G5 2/22/99	Analyte		6.559	2497	1	348.43	MM	
50	022499050	Tox 120 DNO. 173F-G5 2/22/99	Analyte		6.441	179	1	4.02	bb	
51	022499051	Tox 120 DNO. 174F-G5 2/22/99	Analyte		6.480	212	1	8.98	bb	
52	022499052	Tox 120 DNO. 175F-G5 2/22/99	Analyte		6.470	222	1	10.37	bb	
53	022499053	Tox 120 DNO. 177F-G6 2/22/99	Analyte		6.448	1435	1	190.59	MM	
54	022499054	Tox 120, RBL02229-250ppb-CC16, 2/22/99	QC	299.00	6.477	1317	1	173.13	MM	-42
55	022499055	MeOH Blank	Analyte							
56	022499056	Tox 120 DNO. 178F-G6 2/22/99	Analyte		6.537	1670	1	225.59	MM	
57	022499057	Tox 120 DNO. 179F-G6 2/22/99	Analyte		6.461	1445	1	192.08	MM	
58	022499058	Tox 120 DNO. 180F-G6 2/22/99	Analyte		6.472	1256	1	164.01	MM	
59	022499059	Tox 120 DNO. 181F-G6 2/22/99	Analyte		6.450	1196	1	155.12	MM	
60	022499060	Tox 120 DNO. 182F-G6 2/22/99	Analyte		6.448	1402	1	185.75	MM	
61	022499061	Tox 120, RBL02229-250ppb-CC17, 2/22/99	QC	299.00	6.466	1548	1	207.50	MM	-31
62	022499062	MeOH Blank	Analyte							
63	022499063	Tox 120 DNO. 183F-G6 2/22/99	Analyte		6.548	2042	1	280.82	MM	
64	022499064	Tox 120 DNO. 184F-G6 2/22/99	Analyte		6.469	1376	1	181.83	bb	
65	022499065	Tox 120 DNO. 185F-G6 2/22/99	Analyte							
66	022499066	Tox 120 DNO. 186F-G6 2/22/99	Analyte							
67	022499067	Tox 120 DNO. 187F-G6 2/22/99	Analyte							
68	022499068	Tox 120, RBL02229-250ppb-CC18, 2/22/99	QC	299.00	6.472	1603	1	215.57	MM	-28
69	022499069	MeOH Blank	Analyte							
70	022499070	Tox 120 DNO. 189F-G6 2/22/99	Analyte							
71	022499071	Tox 120 DNO. 190F-G6 2/22/99	Analyte							
72	022499072	Tox 120 DNO. 191F-G6 2/22/99	Analyte							
73	022499073	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	299.00	6.411	1290	1	169.12	MM	-43
74	022499074	MeOH Blank	Analyte							
75	022499075	Tox 120, 110F-G1-250ppb-MS, 2/22/99	Analyte		6.565	1936	1	265.13	MM	
76	022499076	Tox 120, 110F-G1-250ppb-MSD, 2/22/99	Analyte		6.481	1004	1	126.59	MM	
77	022499077	Tox 120, RBL02229-250ppb-CC2, 2/22/99	Analyte		6.376	1297	1	170.13	MM	
78	022499078	MeOH Blank	Analyte							
79	022499079	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte							
80	022499080	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte							
81	022499081	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	5.99	6.502	61	1	0.00	MM	-100
82	022499082	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	12.00	6.456	82	1	0.00	MM	-100
83	022499083	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	29.90	6.512	183	1	4.70	MM	-84
84	022499084	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	59.90	6.433	485	1	49.55	MM	-17
85	022499085	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	120.00	6.464	887	1	109.18	MM	-9
86	022499086	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	299.00	6.481	2050	1	281.95	MM	-6
87	022499087	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	599.00	6.479	3785	1	539.86	MM	-10
88	022499088	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	898.00	6.477	5715	1	826.54	MM	-8
89	022499089	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	1198.00	6.477	7311	1	1063.66	MM	-11

Poor curves + cont. checks need to reanalyze 03

1:250 dilution needed LLC 03/10

Soup 020199: Quantitated on 03/09/99 and printed on 03/10/99 by DRB

BACK TO MAIN

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022499a
Last modified: Wed Mar 10 09:21:55 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a
Last modified: Tue Mar 09 13:53:43 1999
Job Code:

Printed: Wed Mar 10 09:43:56 1999

DRB 03/10/99

Compound 3: PGAA

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Di..	Conc.	Flags	%Dev
1	022499001	MeOH Blank	Analyte							
2	022499002	MeOH Blank	Analyte							
3	022499003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte							
4	022499004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte							
5	022499005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	5.99						
6	022499006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	12.00	7.290	54	1	4.38	bb	-64
7	022499007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	29.90	7.289	117	1	29.94	bb	0
8	022499008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	59.90	7.247	233	1	77.12	MM	29
9	022499009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	120.00	7.204	361	1	129.43	bb	8
10	022499010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	299.00	7.261	802	1	309.35	MM	3
11	022499011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	599.00	7.174	1576	1	624.54	MMX	4
12	022499012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	898.00	7.198	2494	1	998.96	MMX	11
13	022499013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	1198.00	7.192	2933	1	1177.74	MMX	-2
14	022499014	MeOH Blank	Analyte							
15	022499015	Tox 120 DNO. 145F-G4, 2/22/99	Analyte							
16	022499016	Tox 120 DNO. 146F-G4, 2/22/99	Analyte							
17	022499017	Tox 120 DNO. 147F-G4, 2/22/99	Analyte							
18	022499018	Tox 120 DNO. 148F-G4, 2/22/99	Analyte							
19	022499019	Tox 120 DNO. 149F-G4, 2/22/99	Analyte							
20	022499020	Tox 120, RBL02229-250ppb-CC11, 2/22/99	QC	299.00	7.104	689	1	263.31	MM	-12
21	022499021	MeOH Blank	Analyte							
22	022499022	Tox 120 DNO. 150F-G4, 2/22/99	Analyte							
23	022499023	Tox 120 DNO. 151F-G4, 2/22/99	Analyte							
24	022499024	Tox 120 DNO. 152F-G4, 2/22/99	Analyte							
25	022499025	Tox 120 DNO. 153F-G4, 2/22/99	Analyte							
26	022499026	Tox 120 DNO. 154F-G4, 2/22/99	Analyte							
27	022499027	Tox 120, RBL02229-250ppb-CC12, 2/22/99	QC	299.00	7:114	559	1	210.02	MM	-30
28	022499028	MeOH Blank	Analyte							
29	022499029	Tox 120 DNO. 155F-G4, 2/22/99	Analyte							
30	022499030	Tox 120 DNO. 157F-G4, 2/22/99	Analyte							
31	022499031	Tox 120 DNO. 158F-G4, 2/22/99	Analyte							
32	022499032	Tox 120 DNO. 159F-G4, 2/22/99	Analyte							
33	022499033	Tox 120, RBL02229-250ppb-CC13, 2/22/99	QC	299.00	7.123	603	1	228.00	MM	-24
34	022499034	MeOH Blank	Analyte							
35	022499035	Tox 120 DNO. 161F-G5, 2/22/99	Analyte							
36	022499036	Tox 120 DNO. 162F-G5, 2/22/99	Analyte							
37	022499037	Tox 120 DNO. 163F-G5, 2/22/99	Analyte							
38	022499038	Tox 120 DNO. 164F-G5, 2/22/99	Analyte							
39	022499039	Tox 120 DNO. 165F-G5, 2/22/99	Analyte							
40	022499040	Tox 120, RBL02229-250ppb-CC14, 2/22/99	QC	299.00	7.171	674	1	257.12	MM	-14
41	022499041	MeOH Blank	Analyte							
42	022499042	Tox 120 DNO. 166F-G5, 2/22/99	Analyte							
43	022499043	Tox 120 DNO. 167F-G5, 2/22/99	Analyte							
44	022499044	Tox 120 DNO. 168F-G5, 2/22/99	Analyte							
45	022499045	Tox 120 DNO. 169F-G5, 2/22/99	Analyte							
46	022499046	Tox 120 DNO. 170F-G5 2/22/99	Analyte							
47	022499047	Tox 120, RBL02229-250ppb-CC15, 2/22/99	QC	299.00	7.089	645	1	245.27	MM	-18
48	022499048	MeOH Blank	Analyte							
49	022499049	Tox 120 DNO. 171F-G5 2/22/99	Analyte							
50	022499050	Tox 120 DNO. 173F-G5 2/22/99	Analyte							
51	022499051	Tox 120 DNO. 174F-G5 2/22/99	Analyte							
52	022499052	Tox 120 DNO. 175F-G5 2/22/99	Analyte							
53	022499053	Tox 120 DNO. 177F-G6 2/22/99	Analyte							
54	022499054	Tox 120, RBL02229-250ppb-CC16, 2/22/99	QC	299.00	7.113	552	1	207.37	MM	-31 *
55	022499055	MeOH Blank	Analyte							
56	022499056	Tox 120 DNO. 178F-G6 2/22/99	Analyte							
57	022499057	Tox 120 DNO. 179F-G6 2/22/99	Analyte							
58	022499058	Tox 120 DNO. 180F-G6 2/22/99	Analyte							
59	022499059	Tox 120 DNO. 181F-G6 2/22/99	Analyte							
60	022499060	Tox 120 DNO. 182F-G6 2/22/99	Analyte							
61	022499061	Tox 120, RBL02229-250ppb-CC17, 2/22/99	QC	299.00	7.105	608	1	230.17	bb	-23
62	022499062	MeOH Blank	Analyte							
63	022499063	Tox 120 DNO. 183F-G6 2/22/99	Analyte							
64	022499064	Tox 120 DNO. 184F-G6 2/22/99	Analyte							
65	022499065	Tox 120 DNO. 185F-G6 2/22/99	Analyte							
66	022499066	Tox 120 DNO. 186F-G6 2/22/99	Analyte							
67	022499067	Tox 120 DNO. 187F-G6 2/22/99	Analyte							
68	022499068	Tox 120, RBL02229-250ppb-CC18, 2/22/99	QC	299.00	7.112	595	1	224.69	bb	-25
69	022499069	MeOH Blank	Analyte							
70	022499070	Tox 120 DNO. 189F-G6 2/22/99	Analyte							
71	022499071	Tox 120 DNO. 190F-G6 2/22/99	Analyte							
72	022499072	Tox 120 DNO. 191F-G6 2/22/99	Analyte							
73	022499073	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	299.00	7.048	636	1	241.37	bb	-19
74	022499074	MeOH Blank	Analyte							
75	022499075	Tox 120, 110F-G1-250ppb-MS, 2/22/99	Analyte		7.206	733	1	280.86	MM	
76	022499076	Tox 120, 110F-G1-250ppb-MSD, 2/22/99	Analyte		7.119	372	1	133.84	MM	
77	022499077	Tox 120, RBL02229-250ppb-CC2, 2/22/99	Analyte		7:102	560	1	210.39	MM	
78	022499078	MeOH Blank	Analyte							
79	022499079	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte							
80	022499080	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte							
81	022499081	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	5.99						
82	022499082	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	12.00						
83	022499083	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	29.90	7.145	102	1	23.80	bb	-20
84	022499084	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	59.90	7.158	174	1	53.38	MM	-11
85	022499085	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	120.00	7.189	332	1	117.60	MM	-2
86	022499086	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	299.00	7.121	742	1	284.60	MM	-5
87	022499087	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	599.00	7.118	1344	1	530.03	MMX	-12
88	022499088	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	898.00	7.117	2033	1	810.91	MMX	-10
89	022499089	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	1198.00	7.117	2898	1	1163.57	bbX	-3

Entered 03/10/99 LAC

* Cont. Check not within criteria. The following CC was within criteria & brackets to samples. This data meets method specification and is OK to report.

LAC 03/1

Soup 020199: Quantitated on 03/09/99 and printed on 03/10/99 by DRB

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022499a
Last modified: Wed Mar 10 09:21:55 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a
Last modified: Tue Mar 09 13:53:43 1999
Job Code:

Printed: Wed Mar 10 09:43:56 1999

DRB 03/10/99

Compound 4: M513

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Di..	Conc.	Flags	%Dev
1	022499001	MeOH Blank	Analyte							
2	022499002	MeOH Blank	Analyte							
3	022499003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte							
4	022499004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte							
5	022499005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	5.99						
6	022499006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	12.00						
7	022499007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	29.90						
8	022499008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	59.90						
9	022499009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	120.00	8.421	77	1	98.38	bb	-18
10	022499010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	299.00	8.477	226	1	356.08	bb	19
11	022499011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	599.00	8.478	355	1	578.71	bb	-3
12	022499012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	898.00	8.414	582	1	972.03	bb	8
13	022499013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	1198.00	8.408	695	1	1167.68	bb	-3
14	022499014	MeOH Blank	Analyte							
15	022499015	Tox 120 DNO. 145F-G4, 2/22/99	Analyte							
16	022499016	Tox 120 DNO. 146F-G4, 2/22/99	Analyte							
17	022499017	Tox 120 DNO. 147F-G4, 2/22/99	Analyte							
18	022499018	Tox 120 DNO. 148F-G4, 2/22/99	Analyte							
19	022499019	Tox 120 DNO. 149F-G4, 2/22/99	Analyte							
20	022499020	Tox 120, RBL02229-250ppb-CC11, 2/22/99	QC	299.00	8.409	165	1	250.06	bb	-16
21	022499021	MeOH Blank	Analyte							
22	022499022	Tox 120 DNO. 150F-G4, 2/22/99	Analyte							
23	022499023	Tox 120 DNO. 151F-G4, 2/22/99	Analyte							
24	022499024	Tox 120 DNO. 152F-G4, 2/22/99	Analyte							
25	022499025	Tox 120 DNO. 153F-G4, 2/22/99	Analyte							
26	022499026	Tox 120 DNO. 154F-G4, 2/22/99	Analyte							
27	022499027	Tox 120, RBL02229-250ppb-CC12, 2/22/99	QC	299.00	8.325	178	1	272.61	bb	-9
28	022499028	MeOH Blank	Analyte							
29	022499029	Tox 120 DNO. 155F-G4, 2/22/99	Analyte							
30	022499030	Tox 120 DNO. 157F-G4, 2/22/99	Analyte							
31	022499031	Tox 120 DNO. 158F-G4, 2/22/99	Analyte							
32	022499032	Tox 120 DNO. 159F-G4, 2/22/99	Analyte							
33	022499033	Tox 120, RBL02229-250ppb-CC13, 2/22/99	QC	299.00	8.330	173	1	264.12	MM	-12
34	022499034	MeOH Blank	Analyte		8.493	63	1	73.51	bb	
35	022499035	Tox 120 DNO. 161F-G5, 2/22/99	Analyte							
36	022499036	Tox 120 DNO. 162F-G5, 2/22/99	Analyte							
37	022499037	Tox 120 DNO. 163F-G5, 2/22/99	Analyte							
38	022499038	Tox 120 DNO. 164F-G5, 2/22/99	Analyte							
39	022499039	Tox 120 DNO. 165F-G5, 2/22/99	Analyte							
40	022499040	Tox 120, RBL02229-250ppb-CC14, 2/22/99	QC	299.00	8.388	203	1	316.51	bb	6
41	022499041	MeOH Blank	Analyte							
42	022499042	Tox 120 DNO. 166F-G5, 2/22/99	Analyte							
43	022499043	Tox 120 DNO. 167F-G5, 2/22/99	Analyte							
44	022499044	Tox 120 DNO. 168F-G5, 2/22/99	Analyte							
45	022499045	Tox 120 DNO. 169F-G5, 2/22/99	Analyte							
46	022499046	Tox 120 DNO. 170F-G5 2/22/99	Analyte							
47	022499047	Tox 120, RBL02229-250ppb-CC15, 2/22/99	QC	299.00	8.388	182	1	279.12	bb	-7
48	022499048	MeOH Blank	Analyte							
49	022499049	Tox 120 DNO. 171F-G5 2/22/99	Analyte							
50	022499050	Tox 120 DNO. 173F-G5 2/22/99	Analyte							
51	022499051	Tox 120 DNO. 174F-G5 2/22/99	Analyte							
52	022499052	Tox 120 DNO. 175F-G5 2/22/99	Analyte							
53	022499053	Tox 120 DNO. 177F-G6 2/22/99	Analyte							
54	022499054	Tox 120, RBL02229-250ppb-CC16, 2/22/99	QC	299.00	8.413	174	1	266.95	bb	-11
55	022499055	MeOH Blank	Analyte							
56	022499056	Tox 120 DNO. 178F-G6 2/22/99	Analyte							
57	022499057	Tox 120 DNO. 179F-G6 2/22/99	Analyte							
58	022499058	Tox 120 DNO. 180F-G6 2/22/99	Analyte							
59	022499059	Tox 120 DNO. 181F-G6 2/22/99	Analyte							
60	022499060	Tox 120 DNO. 182F-G6 2/22/99	Analyte							
61	022499061	Tox 120, RBL02229-250ppb-CC17, 2/22/99	QC	299.00	8.409	112	1	159.39	bb	-47
62	022499062	MeOH Blank	Analyte							
63	022499063	Tox 120 DNO. 183F-G6 2/22/99	Analyte							
64	022499064	Tox 120 DNO. 184F-G6 2/22/99	Analyte							
65	022499065	Tox 120 DNO. 185F-G6 2/22/99	Analyte							
66	022499066	Tox 120 DNO. 186F-G6 2/22/99	Analyte							
67	022499067	Tox 120 DNO. 187F-G6 2/22/99	Analyte							
68	022499068	Tox 120, RBL02229-250ppb-CC18, 2/22/99	QC	299.00	8.415	217	1	339.78	bb	14
69	022499069	MeOH Blank	Analyte							
70	022499070	Tox 120 DNO. 189F-G6 2/22/99	Analyte							
71	022499071	Tox 120 DNO. 190F-G6 2/22/99	Analyte							
72	022499072	Tox 120 DNO. 191F-G6 2/22/99	Analyte							
73	022499073	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	299.00	8.332	128	1	186.51	MM	-38
74	022499074	MeOH Blank	Analyte							
75	022499075	Tox 120, 110F-G1-250ppb-MS, 2/22/99	Analyte		8.414	164	1	248.13	bb	
76	022499076	Tox 120, 110F-G1-250ppb-MSD, 2/22/99	Analyte		8.335	205	1	319.96	MM	
77	022499077	Tox 120, RBL02229-250ppb-CC2, 2/22/99	Analyte		8.395	157	1	236.58	bb	
78	022499078	MeOH Blank	Analyte							
79	022499079	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte							
80	022499080	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte							
81	022499081	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	5.99						
82	022499082	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	12.00						
83	022499083	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	29.90						
84	022499084	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	59.90	8.360	47	1	46.47	MM	-22
85	022499085	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	120.00	8.406	86	1	113.94	MM	-5
86	022499086	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	299.00	8.423	189	1	292.04	bb	-2
87	022499087	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	599.00	8.335	373	1	610.46	bb	2
88	022499088	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	898.00	8.333	507	1	841.82	MM	-6
89	022499089	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	1198.00	8.334	720	1	1210.29	MM	1

Entered 03/10/99 LA

Soup 020199: Quantitated on 03/09/99 and printed on 03/10/99 by DRB

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver

DRB 03/10/99

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022499a
Last modified: Wed Mar 10 09:21:55 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a
Last modified: Tue Mar 09 13:53:43 1999
Job Code:

Printed: Wed Mar 10 09:43:56 1999

Compound 5: M613

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Di..	Conc.	Flags	%Dev
1	022499001	MeOH Blank	Analyte							
2	022499002	MeOH Blank	Analyte							
3	022499003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte							
4	022499004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte							
5	022499005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	5.99						
6	022499006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	12.00	9.373	44	1	8.41	MM	-30
7	022499007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	29.90	9.374	89	1	32.10	bb	7
8	022499008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	59.90	9.398	148	1	63.32	MM	6
9	022499009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	120.00	9.380	281	1	133.38	bb	11
10	022499010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	299.00	9.345	610	1	307.64	bb	3
11	022499011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	599.00	9.347	1166	1	602.07	bbX	1
12	022499012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	898.00	9.289	1788	1	930.80	bbX	4
13	022499013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	1198.00	9.280	2127	1	1110.50	bbX	-7
14	022499014	MeOH Blank	Analyte							
15	022499015	Tox 120 DNO. 145F-G4, 2/22/99	Analyte							
16	022499016	Tox 120 DNO. 146F-G4, 2/22/99	Analyte							
17	022499017	Tox 120 DNO. 147F-G4, 2/22/99	Analyte							
18	022499018	Tox 120 DNO. 148F-G4, 2/22/99	Analyte							
19	022499019	Tox 120 DNO. 149F-G4, 2/22/99	Analyte							
20	022499020	Tox 120, RBL02229-250ppb-CC11, 2/22/99	QC	299.00	9.280	480	1	239.14	bb	-20
21	022499021	MeOH Blank	Analyte							
22	022499022	Tox 120 DNO. 150F-G4, 2/22/99	Analyte							
23	022499023	Tox 120 DNO. 151F-G4, 2/22/99	Analyte							
24	022499024	Tox 120 DNO. 152F-G4, 2/22/99	Analyte							
25	022499025	Tox 120 DNO. 153F-G4, 2/22/99	Analyte							
26	022499026	Tox 120 DNO. 154F-G4, 2/22/99	Analyte							
27	022499027	Tox 120, RBL02229-250ppb-CC12, 2/22/99	QC	299.00	9.274	459	1	227.79	bb	-24
28	022499028	MeOH Blank	Analyte							
29	022499029	Tox 120 DNO. 155F-G4, 2/22/99	Analyte							
30	022499030	Tox 120 DNO. 157F-G4, 2/22/99	Analyte							
31	022499031	Tox 120 DNO. 158F-G4, 2/22/99	Analyte							
32	022499032	Tox 120 DNO. 159F-G4, 2/22/99	Analyte							
33	022499033	Tox 120, RBL02229-250ppb-CC13, 2/22/99	QC	299.00	9.279	561	1	282.01	bb	-6
34	022499034	MeOH Blank	Analyte							
35	022499035	Tox 120 DNO. 161F-G5, 2/22/99	Analyte							
36	022499036	Tox 120 DNO. 162F-G5, 2/22/99	Analyte							
37	022499037	Tox 120 DNO. 163F-G5, 2/22/99	Analyte							
38	022499038	Tox 120 DNO. 164F-G5, 2/22/99	Analyte							
39	022499039	Tox 120 DNO. 165F-G5, 2/22/99	Analyte							
40	022499040	Tox 120, RBL02229-250ppb-CC14, 2/22/99	QC	299.00	9.262	571	1	287.06	bb	-4
41	022499041	MeOH Blank	Analyte							
42	022499042	Tox 120 DNO. 166F-G5, 2/22/99	Analyte							
43	022499043	Tox 120 DNO. 167F-G5, 2/22/99	Analyte							
44	022499044	Tox 120 DNO. 168F-G5, 2/22/99	Analyte							
45	022499045	Tox 120 DNO. 169F-G5, 2/22/99	Analyte							
46	022499046	Tox 120 DNO. 170F-G5 2/22/99	Analyte							
47	022499047	Tox 120, RBL02229-250ppb-CC15, 2/22/99	QC	299.00	9.262	634	1	320.22	bb	7
48	022499048	MeOH Blank	Analyte							
49	022499049	Tox 120 DNO. 171F-G5 2/22/99	Analyte							
50	022499050	Tox 120 DNO. 173F-G5 2/22/99	Analyte							
51	022499051	Tox 120 DNO. 174F-G5 2/22/99	Analyte							
52	022499052	Tox 120 DNO. 175F-G5 2/22/99	Analyte							
53	022499053	Tox 120 DNO. 177F-G6 2/22/99	Analyte							
54	022499054	Tox 120, RBL02229-250ppb-CC16, 2/22/99	QC	299.00	9.287	584	1	293.99	bb	-2
55	022499055	MeOH Blank	Analyte							
56	022499056	Tox 120 DNO. 178F-G6 2/22/99	Analyte							
57	022499057	Tox 120 DNO. 179F-G6 2/22/99	Analyte							
58	022499058	Tox 120 DNO. 180F-G6 2/22/99	Analyte							
59	022499059	Tox 120 DNO. 181F-G6 2/22/99	Analyte							
60	022499060	Tox 120 DNO. 182F-G6 2/22/99	Analyte							
61	022499061	Tox 120, RBL02229-250ppb-CC17, 2/22/99	QC	299.00	9.277	603	1	304.21	bb	2
62	022499062	MeOH Blank	Analyte							
63	022499063	Tox 120 DNO. 183F-G6 2/22/99	Analyte							
64	022499064	Tox 120 DNO. 184F-G6 2/22/99	Analyte							
65	022499065	Tox 120 DNO. 185F-G6 2/22/99	Analyte							
66	022499066	Tox 120 DNO. 186F-G6 2/22/99	Analyte							
67	022499067	Tox 120 DNO. 187F-G6 2/22/99	Analyte							
68	022499068	Tox 120, RBL02229-250ppb-CC18, 2/22/99	QC	299.00	9.287	578	1	290.74	bb	-3
69	022499069	MeOH Blank	Analyte							
70	022499070	Tox 120 DNO. 189F-G6 2/22/99	Analyte							
71	022499071	Tox 120 DNO. 190F-G6 2/22/99	Analyte							
72	022499072	Tox 120 DNO. 191F-G6 2/22/99	Analyte							
73	022499073	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	299.00	9.289	489	1	243.59	bb	-19
74	022499074	MeOH Blank	Analyte							
75	022499075	Tox 120, 110F-G1-250ppb-MS, 2/22/99	Analyte		9.367	507	1	253.42	bb	
76	022499076	Tox 120, 110F-G1-250ppb-MSD, 2/22/99	Analyte		9.295	446	1	220.79	MM	
77	022499077	Tox 120, RBL02229-250ppb-CC2, 2/22/99	Analyte		9.253	466	1	231.31	MM	
78	022499078	MeOH Blank	Analyte							
79	022499079	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte							
80	022499080	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte							
81	022499081	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	5.99						
82	022499082	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	12.00						
83	022499083	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	29.90	9.297	62	1	17.85	MM	-40
84	022499084	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	59.90	9.311	142	1	59.88	MM	0
85	022499085	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	120.00	9.278	260	1	122.65	MM	2
86	022499086	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	299.00	9.295	566	1	284.38	MM	-5
87	022499087	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	599.00	9.294	1158	1	597.74	bbX	0
88	022499088	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	898.00	9.293	1610	1	836.87	MMX	-7
89	022499089	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	1198.00	9.294	2343	1	1224.94	MMX	2

Entered 03/10/99 LA

Soup 020199: Quantitated on 03/09/99 and printed on 03/10/99 by DRB

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\022499a
Last modified: Wed Mar 10 09:21:55 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a
Last modified: Tue Mar 09 13:53:43 1999
Job Code:

Printed: Wed Mar 10 09:43:56 1999

DRB 03/10/99

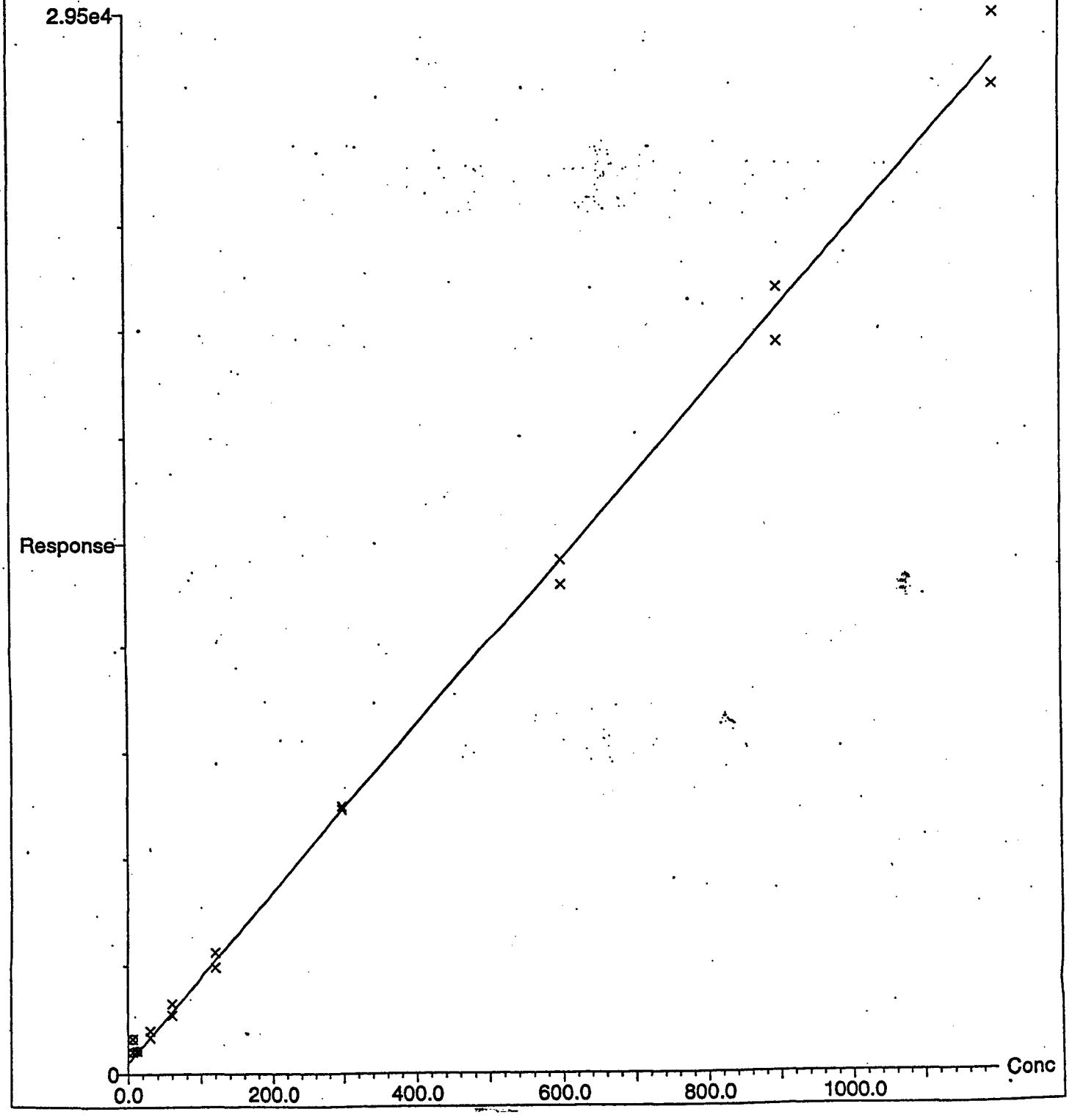
Compound 6: IS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Di..	Conc.	Flags	%Dev
1	022499001	MeOH Blank	Analyte							
2	022499002	MeOH Blank	Analyte							
3	022499003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyte		7.314	348	1	248.61	MM	-50
4	022499004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte		7.320	278	1	198.55	bb	-60
5	022499005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standard	494.00	7.252	665	1	474.76	MM	-4
6	022499006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standard	494.00	7.236	847	1	604.74	MM	22
7	022499007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standard	494.00	7.235	768	1	548.31	bb	11
8	022499008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standard	494.00	7.194	713	1	509.24	bb	3
9	022499009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standard	494.00	7.237	583	1	416.56	bb	-16
10	022499010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standard	494.00	7.209	663	1	473.22	bb	-4
11	022499011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standard	494.00	7.122	675	1	482.12	MM	-2
12	022499012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standard	494.00	7.145	673	1	480.59	bb	-3
13	022499013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standard	494.00	7.138	746	1	532.80	bb	8
14	022499014	MeOH Blank	Analyte							
15	022499015	Tox 120 DNO. 145F-G4, 2/22/99	Analyte		7.237	389	1	278.17	MM	-44
16	022499016	Tox 120 DNO. 146F-G4, 2/22/99	Analyte		7.136	632	1	451.67	bb	-9
17	022499017	Tox 120 DNO. 147F-G4, 2/22/99	Analyte		7.050	421	1	300.56	bb	-39
18	022499018	Tox 120 DNO. 148F-G4, 2/22/99	Analyte		7.049	472	1	336.95	bb	-32
19	022499019	Tox 120 DNO. 149F-G4, 2/22/99	Analyte		7.116	617	1	441.04	bb	-11
20	022499020	Tox 120, RBL02229-250ppb-CC11, 2/22/99	QC	494.00	7.138	672	1	480.18	bb	-3
21	022499021	MeOH Blank	Analyte							
22	022499022	Tox 120 DNO. 150F-G4, 2/22/99	Analyte		7.163	329	1	235.15	bb	-52
23	022499023	Tox 120 DNO. 151F-G4, 2/22/99	Analyte		7.082	481	1	343.87	bb	-30
24	022499024	Tox 120 DNO. 152F-G4, 2/22/99	Analyte		7.062	599	1	428.10	bb	-13
25	022499025	Tox 120 DNO. 153F-G4, 2/22/99	Analyte		7.142	580	1	414.05	MM	-16
26	022499026	Tox 120 DNO. 154F-G4, 2/22/99	Analyte		7.031	402	1	287.31	bb	-42
27	022499027	Tox 120, RBL02229-250ppb-CC12, 2/22/99	QC	494.00	7.060	555	1	396.73	bb	-20
28	022499028	MeOH Blank	Analyte							
29	022499029	Tox 120 DNO. 155F-G4, 2/22/99	Analyte		7.212	316	1	225.86	MM	-54
30	022499030	Tox 120 DNO. 157F-G4, 2/22/99	Analyte		7.142	473	1	337.66	MM	-32
31	022499031	Tox 120 DNO. 158F-G4, 2/22/99	Analyte		7.130	464	1	331.42	MM	-33
32	022499032	Tox 120 DNO. 159F-G4, 2/22/99	Analyte		7.054	362	1	258.72	bb	-48
33	022499033	Tox 120, RBL02229-250ppb-CC13, 2/22/99	QC	494.00	7.072	654	1	466.87	bb	-5
34	022499034	MeOH Blank	Analyte							
35	022499035	Tox 120 DNO. 161F-G5, 2/22/99	Analyte		7.209	383	1	273.25	MM	-45
36	022499036	Tox 120 DNO. 162F-G5, 2/22/99	Analyte		7.131	676	1	482.50	bb	-2
37	022499037	Tox 120 DNO. 163F-G5, 2/22/99	Analyte		7.144	588	1	420.31	bb	-15
38	022499038	Tox 120 DNO. 164F-G5, 2/22/99	Analyte		7.063	604	1	431.38	bb	-13
39	022499039	Tox 120 DNO. 165F-G5, 2/22/99	Analyte		7.160	515	1	367.61	bb	-26
40	022499040	Tox 120, RBL02229-250ppb-CC14, 2/22/99	QC	494.00	7.119	558	1	398.50	bb	-19
41	022499041	MeOH Blank	Analyte							
42	022499042	Tox 120 DNO. 166F-G5, 2/22/99	Analyte		7.223	349	1	249.01	bb	-50
43	022499043	Tox 120 DNO. 167F-G5, 2/22/99	Analyte		7.068	497	1	355.24	bb	-28
44	022499044	Tox 120 DNO. 168F-G5, 2/22/99	Analyte		7.130	586	1	418.91	MM	-15
45	022499045	Tox 120 DNO. 169F-G5, 2/22/99	Analyte		7.106	441	1	314.98	bb	-36
46	022499046	Tox 120 DNO. 170F-G5 2/22/99	Analyte		7.057	353	1	252.29	MM	-49
47	022499047	Tox 120, RBL02229-250ppb-CC15, 2/22/99	QC	494.00	7.124	542	1	387.24	MM	-22
48	022499048	MeOH Blank	Analyte							
49	022499049	Tox 120 DNO. 171F-G5 2/22/99	Analyte		7.231	340	1	242.98	MM	-51
50	022499050	Tox 120 DNO. 173F-G5 2/22/99	Analyte		7.112	534	1	381.17	bb	-23
51	022499051	Tox 120 DNO. 174F-G5 2/22/99	Analyte		7.151	513	1	366.66	MM	-26
52	022499052	Tox 120 DNO. 175F-G5 2/22/99	Analyte		7.138	493	1	352.10	MM	-29
53	022499053	Tox 120 DNO. 177F-G6 2/22/99	Analyte		7.035	231	1	164.71	MM	-67
54	022499054	Tox 120, RBL02229-250ppb-CC16, 2/22/99	QC	494.00	7.145	515	1	367.80	bb	-26
55	022499055	MeOH Blank	Analyte							
56	022499056	Tox 120 DNO. 178F-G6 2/22/99	Analyte		7.211	236	1	168.62	bb	-66
57	022499057	Tox 120 DNO. 179F-G6 2/22/99	Analyte		7.134	216	1	154.58	bb	-69
58	022499058	Tox 120 DNO. 180F-G6 2/22/99	Analyte		7.059	226	1	161.28	MM	-67
59	022499059	Tox 120 DNO. 181F-G6 2/22/99	Analyte		7.037	235	1	167.67	bb	-66
60	022499060	Tox 120 DNO. 182F-G6 2/22/99	Analyte		7.035	204	1	146.02	bb	-70
61	022499061	Tox 120, RBL02229-250ppb-CC17, 2/22/99	QC	494.00	7.141	571	1	407.90	bb	-17
62	022499062	MeOH Blank	Analyte							
63	022499063	Tox 120 DNO. 183F-G6 2/22/99	Analyte		7.131	199	1	142.43	bb	-71
64	022499064	Tox 120 DNO. 184F-G6 2/22/99	Analyte		7.142	225	1	160.54	bb	-68
65	022499065	Tox 120 DNO. 185F-G6 2/22/99	Analyte		7.137	281	1	200.47	MM	-59
66	022499066	Tox 120 DNO. 186F-G6 2/22/99	Analyte		7.135	208	1	148.91	bb	-70
67	022499067	Tox 120 DNO. 187F-G6 2/22/99	Analyte		7.143	308	1	220.14	bb	-55
68	022499068	Tox 120, RBL02229-250ppb-CC18, 2/22/99	QC	494.00	7.145	575	1	410.85	bb	-17
69	022499069	MeOH Blank	Analyte							
70	022499070	Tox 120 DNO. 189F-G6 2/22/99	Analyte		7.137	285	1	203.31	bb	-59
71	022499071	Tox 120 DNO. 190F-G6 2/22/99	Analyte		7.068	351	1	250.92	MM	-49
72	022499072	Tox 120 DNO. 191F-G6 2/22/99	Analyte		7.080	306	1	218.67	bb	-56
73	022499073	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	494.00	6.996	546	1	389.67	bb	-21
74	022499074	MeOH Blank	Analyte							
75	022499075	Tox 120, 110F-G1-250ppb-MS, 2/22/99	Analyte		7.152	322	1	229.80	bb	-53
76	022499076	Tox 120, 110F-G1-250ppb-MSD, 2/22/99	Analyte		7.066	366	1	261.34	bb	-47
77	022499077	Tox 120, RBL02229-250ppb-CC2, 2/22/99	Analyte		7.050	531	1	379.16	bb	-23
78	022499078	MeOH Blank	Analyte							
79	022499079	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyte		7.208	308	1	219.86	MM	-55
80	022499080	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyte		7.197	318	1	226.93	MM	-54
81	022499081	Tox 120, RBL02229-5ppb-2, 2/22/99	Standard	494.00	7.169	670	1	478.83	MM	-3
82	022499082	Tox 120, RBL02229-10ppb-2, 2/22/99	Standard	494.00	7.122	704	1	502.64	bb	2
83	022499083	Tox 120, RBL02229-25ppb-2, 2/22/99	Standard	494.00	7.093	756	1	540.16	bb	9
84	022499084	Tox 120, RBL02229-50ppb-2, 2/22/99	Standard	494.00	7.105	748	1	533.98	bb	8
85	022499085	Tox 120, RBL02229-100ppb-2, 2/22/99	Standard	494.00	7.116	691	1	493.58	bb	0
86	022499086	Tox 120, RBL02229-250ppb-2, 2/22/99	Standard	494.00	7.068	732	1	523.07	MM	6
87	022499087	Tox 120, RBL02229-500ppb-2, 2/22/99	Standard	494.00	7.066	642	1	458.22	bb	-7
88	022499088	Tox 120, RBL02229-750ppb-2, 2/22/99	Standard	494.00	7.064	638	1	455.91	bb	-8
89	022499089	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standard	494.00	7.064	537	1	383.25	MM	-22

Quantify Calibration Report
TOX-120 Rat Liver

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022499a
Last modified: Wed Mar 10 09:42:05 1999
Printed: Wed Mar 10 09:44:01 1999

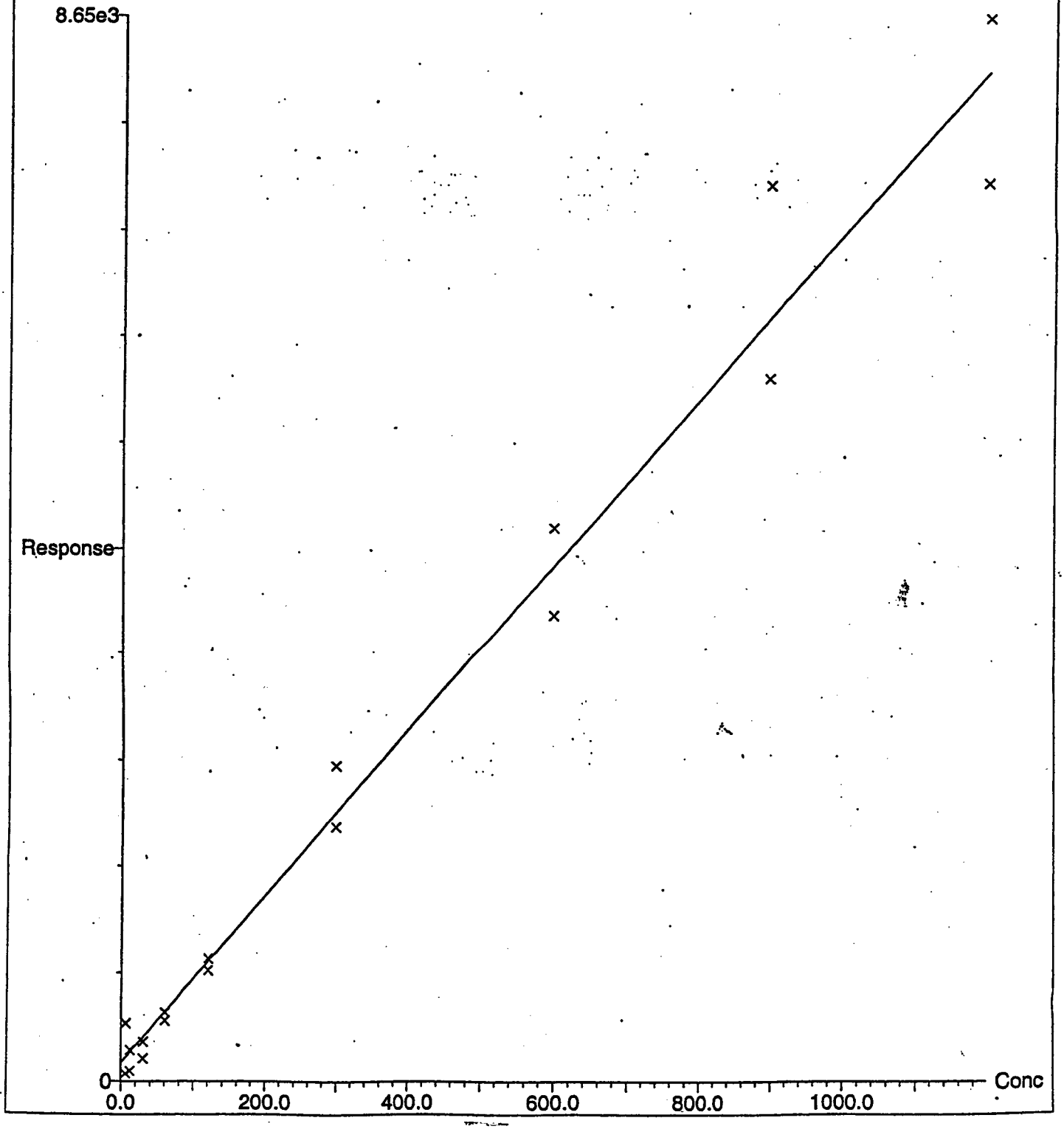
Compound 1 name: PFOS
Correlation coefficient: r = 0.998526, r^2 = 0.997055
Calibration curve: 23.3472 * x + 297.446
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



Soup 020199: Quantitated on 03/09/99 and printed on 03/10/99 by DRB

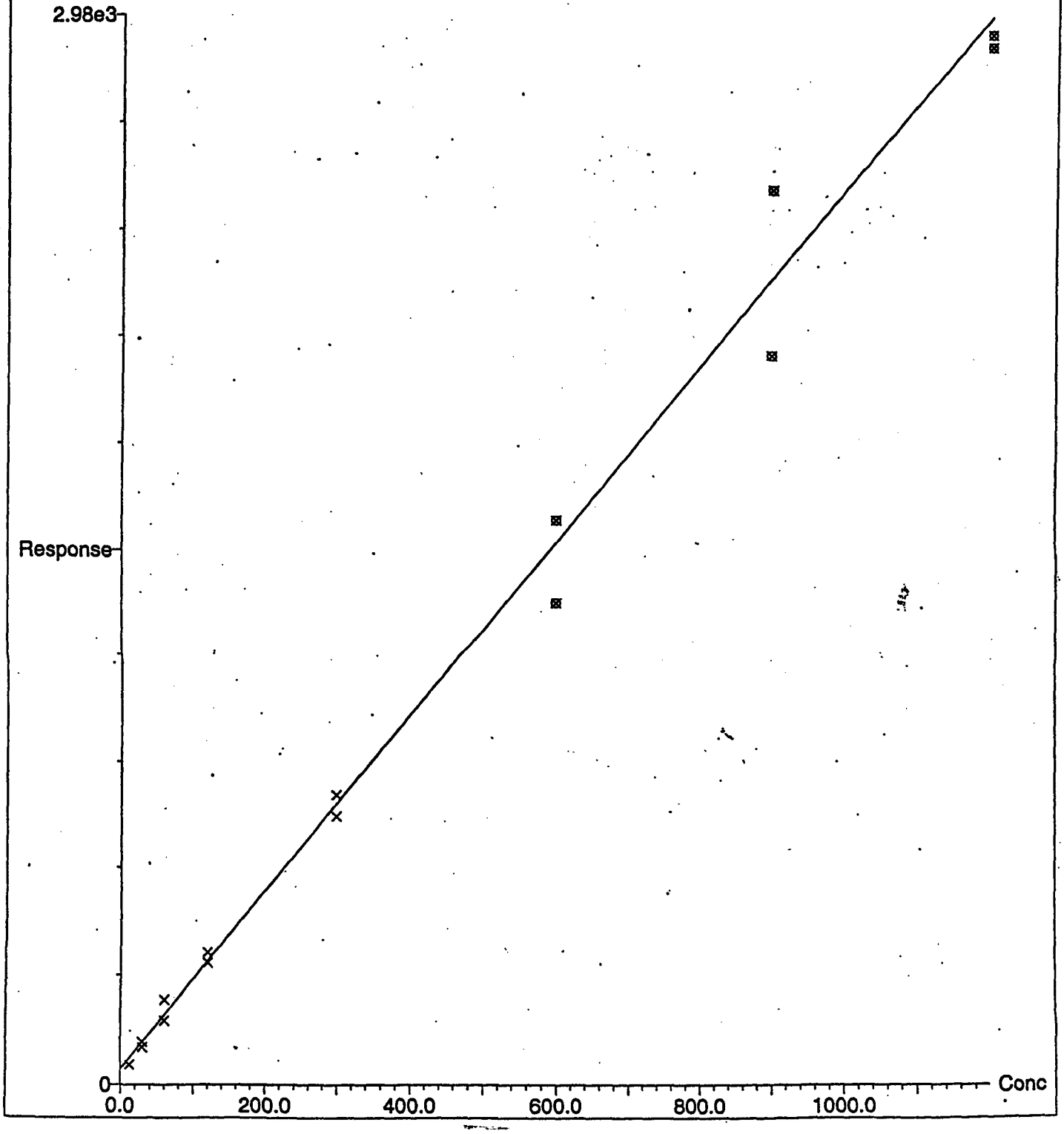
Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022499a
Last modified: Wed Mar 10 09:42:05 1999
Printed: Wed Mar 10 09:44:01 1999

Compound 2 name: PFHS
Correlation coefficient: r = 0.989537, r^2 = 0.979184
Calibration curve: 6.73075 * x + 151.787
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022499a
Last modified: Wed Mar 10 09:42:05 1999
Printed: Wed Mar 10 09:44:01 1999

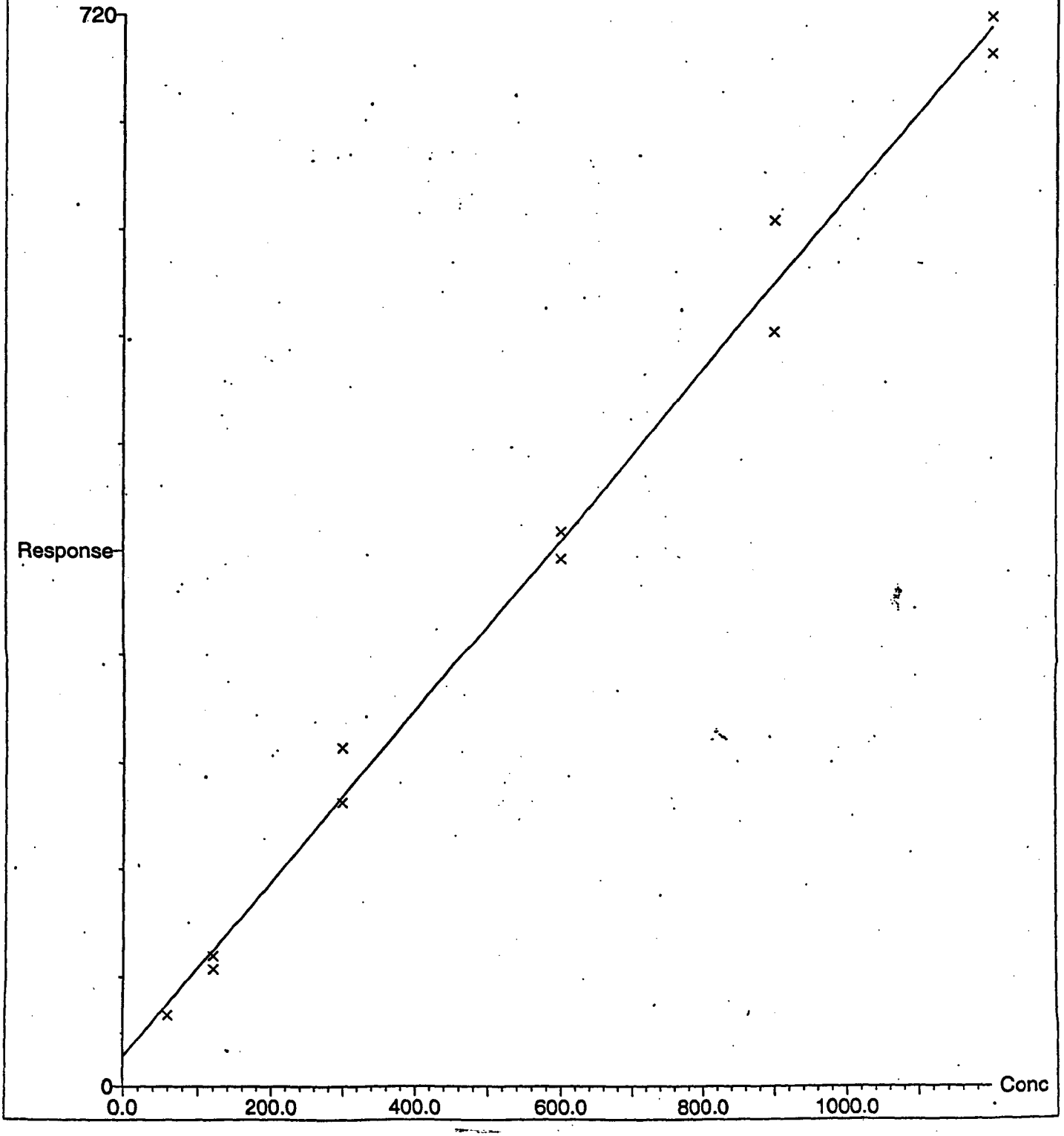
Compound 3 name: POAA
Correlation coefficient: r = 0.995764, r^2 = 0.991546
Calibration curve: 2.45337 * x + 43.4900
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



Soup 020199: Quantitated on 03/09/99 and printed on 03/10/99 by DRB

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022499a
Last modified: Wed Mar 10 09:42:05 1999
Printed: Wed Mar 10 09:44:01 1999

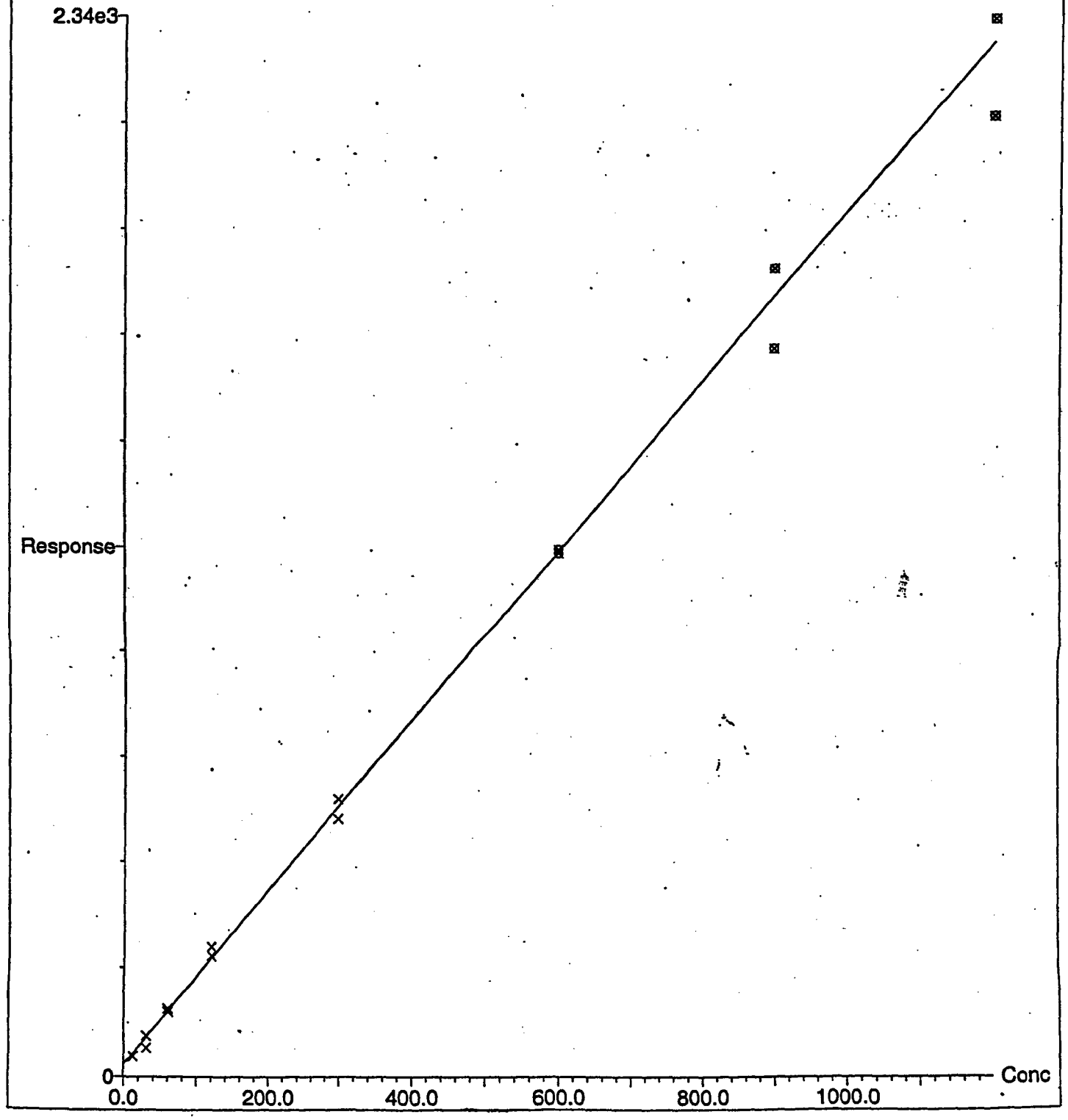
Compound 4 name: M513
Correlation coefficient: r = 0.996106, r^2 = 0.992227
Calibration curve: 0.577960 * x + 20.1878
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



Quantify Calibration Report
TOX-120 Rat Liver

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022499a
Last modified: Wed Mar 10 09:42:05 1999
Printed: Wed Mar 10 09:44:01 1999

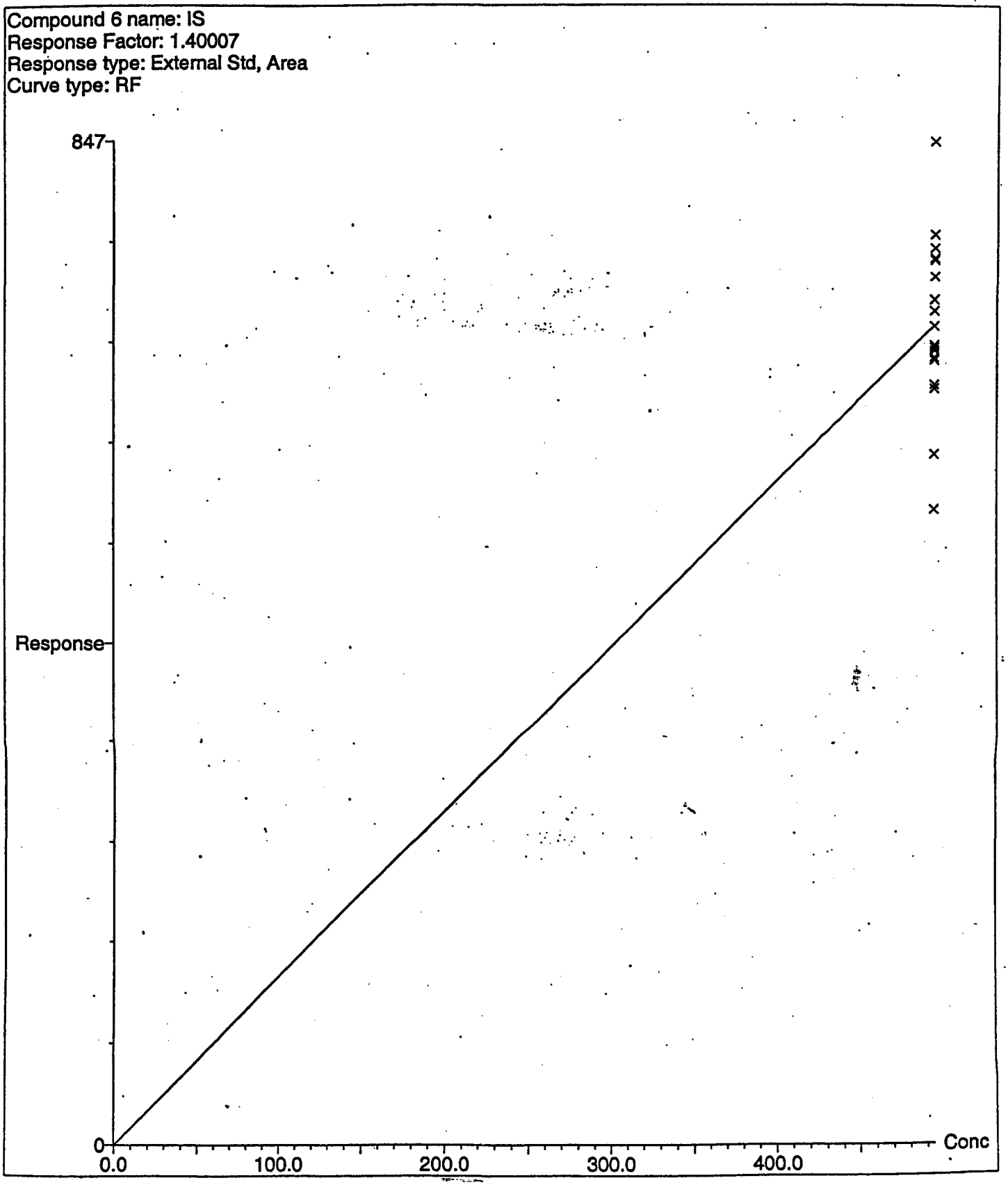
Compound 5 name: M613
Correlation coefficient: r = 0.996734, r^2 = 0.993479
Calibration curve: 1.88984 * x + 28.4502
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



Soup 020199: Quantitated on 03/09/99 and printed on 03/10/99 by DRB

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\022499a
Last modified: Wed Mar 10 09:42:05 1999
Printed: Wed Mar 10 09:44:01 1999

Compound 6 name: IS
Response Factor: 1.40007
Response type: External Std, Area
Curve type: RF



BACK TO MAIN

Method Report

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a.mdb
Last modified: Fri Feb 26 10:30:39 1999

Compound: 1: PFOS

Printed: Tue Mar 09 13:22:01 1999

Soup 020199 UAC 03/09/99

Compound Name: PFOS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 8.036, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 1.030

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 185

Smoothing: Disabled
Window size (scans): 1
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a.mdb
Last modified: Fri Feb 26 10:30:39 1999

Compound: 2: PFHS

Printed: Tue Mar 09 13:22:01 1999

Soup 020199 LAC 03/09/99

Compound Name: PFHS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 6.563, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 1.117

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 185

Smoothing: Disabled
Window size (scans): 1
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a.mdb
Last modified: Fri Feb 26 10:30:39 1999

Compound: 3: POAA

Printed: Tue Mar 09 13:22:01 1999

Soup 020199 LAC 03/09/99

Compound Name:	POAA
Internal Ref.:	[None]
Quantify Trace:	TIC
Conc. of Standards:	Conc. A
User RF Value:	1.000000, Disabled
User Peak Factor:	1.000000
Integrate Window Factor:	2.000
Retention Time (mins):	7.458, Enabled
Relative Retention Time:	0.000, Disabled
Time Window (mins):	0.902
Peak Selection:	Nearest
Response Type:	External
Response:	Areas
Polynomial Type:	Linear
Point of Origin:	Exclude
Fit Weighting:	None
Axis Transformation:	None
Units:	
Peak-to-peak amplitude:	185
Smoothing:	Disabled
Window size (scans):	1
Number of smooths:	2
Smoothing method:	
Join valley threshold:	30.00
Reduce peak tailing:	70.00
Raise baseline maximum:	4.00
Draw vertical threshold:	10.00
Detect shoulders:	Disabled
Shoulder threshold:	10.00
Relative height:	50.00, Enabled
Absolute height:	0.00, Disabled
Relative area:	3.00, Enabled
Absolute area:	0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a.mdb
Last modified: Fri Feb 26 10:30:39 1999

Compound: 4: M513

Printed: Tue Mar 09 13:22:01 1999

Soup 020199 LAC 03/09/99

Compound Name:	M513
Internal Ref.:	[None]
Quantify Trace:	TIC
Conc. of Standards:	Conc. A
User RF Value:	1.000000, Disabled
User Peak Factor:	1.000000
Integrate Window Factor:	2.000
Retention Time (mins):	8.648, Enabled
Relative Retention Time:	0.000, Disabled
Time Window (mins):	0.730
Peak Selection:	Nearest
Response Type:	External
Response:	Areas
Polynomial Type:	Linear
Point of Origin:	Exclude
Fit Weighting:	None
Axis Transformation:	None
Units:	
Peak-to-peak amplitude:	185
Smoothing:	Disabled
Window size (scans):	1
Number of smooths:	2
Smoothing method:	
Join valley threshold:	30.00
Reduce peak tailing:	70.00
Raise baseline maximum:	4.00
Draw vertical threshold:	10.00
Detect shoulders:	Disabled
Shoulder threshold:	10.00
Relative height:	50.00, Enabled
Absolute height:	0.00, Disabled
Relative area:	3.00, Enabled
Absolute area:	0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a.mdb
Last modified: Fri Feb 26 10:30:39 1999

Compound: 5: M613

Printed: Tue Mar 09 13:22:01 1999

Soup 020199 LAC 03/09/99

Compound Name: M613
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 9.591, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.730

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 185

Smoothing: Disabled
Window size (scans): 1
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\022499a.mdb
Last modified: Fri Feb 26 10:30:39 1999

Compound: 6: IS

Printed: Tue Mar 09 13:22:01 1999

Soup 020199 LAC 03/09/99

Compound Name: IS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. B

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 7.410, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.988

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 185

Smoothing: Disabled
Window size (scans): 1
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

DRB 03/01/99

MADELINE 041098: FACT Equipment Log 98053 PAGE_____
Quattro II, #6443E

DATE: 03/01/99

ANALYST: drb
STUDY NUMBER TOX 120 MATRIX: rat liver DESCRIPTION: liver extr. dilutions
FACT Method: __

Injection volume, 10 uL Cycle time: 16 min. Electrode: Z-Spray

Mobile Phase: (A) 4.0 mM NH4CH3CO2 (B) MeOH

TN-A- or stndrd number (A) 99011-1-9 (B) TN-A-2384

Prepared (date/by): (A) 2/12/99 mee (B) 2/20/99 drb
Expires: (A) 08/12/99 (B) 8/18/99

Store at room temp? [Y] or N Other:_____

Guard column: None

Part number: na Lot number: na

Analytical column: keystone betasil

Size: 2 x 100mm Type: c18 Sphere size: 5 um

Part number: 105-701-2 Lot number: p8f13 Serial number 118739n

Analytical parameters:

Drying gas (L/hr): 300 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 120 bar

HPLC solvent gradient: long2ex

Time (min.)	%B
1) 0.00	40
2) 8.5	90
3 11.0	90
4) 11.5	100
5) 12.5	100
6) 13.00	40

BACK TO MAIN

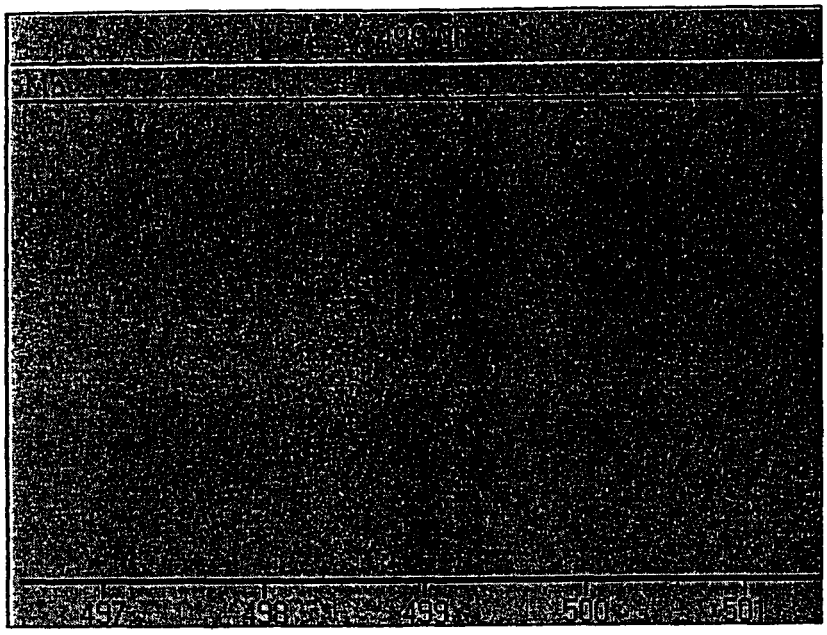
DAB 03/01/99

Tuning Method Report

Method: C:\MASSLYNX\RATS.PRO\ACQUDB\PFOS

Printed: Mon Mar 01 17:17:40 1999

Madeline 041098 LAC 05/10/99



MS

SOURCE (ESP-)	Set	Rdbk
Capillary	3.00	3.00
Cone	45	-46
Extractor	5	-4
RF Lens	0.2	
Source Block Temp.	150	153
Desolvation Temp.	250	251

MS1	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 6	5	5
Multiplier	650	

Pressures	Rdbk
Analyser Vacuum	6.4e-5
Gas Cell	5.3e-3

MS2	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Collision	20	20
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 8	40	41
Lens 9	0	18
Multiplier	650	

BACK TO MAIN

Scanning Method Report

Method: C:\MASSLYNX\RATS.PRO\ACQUDB\TOX120A
Last Modified: Mon Mar 01 17:16:38 1999

Printed: Mon Mar 01 17:17:51 1999

DHS 03/01/99

Madeline (RE) 05 04/09 LAC 05/10/99

Solvent Delay (mins) : 0.00

Function : 1 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	399.00	80.00	0.25	45	60
2	399.00	99.00	0.25	45	60
3	399.00	130.00	0.25	45	60

Function : 2 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	499.00	80.00	0.25	45	60
2	499.00	99.00	0.25	45	60
3	499.00	130.00	0.25	45	60

Function : 3 MRM of 2 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	299.00	80.00	0.25	45	35
2	299.00	99.00	0.25	45	35

Function : 4 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	413.00	119.00	0.25	30	15
2	413.00	169.00	0.25	20	15
3	413.00	219.00	0.25	30	15

Function : 5 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	469.00	169.00	0.25	45	30
2	469.00	219.00	0.25	45	30
3	469.00	119.00	0.25	45	30

Function : 6 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	569.00	169.00	0.25	45	35
2	569.00	219.00	0.25	45	35
3	569.00	119.00	0.25	45	35

Function : 7 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	427.00	80.00	0.25	40	60

Masslynx - Sample List

DHS 03/01/99

Sample List: C:\MASSLYNX\rats.PRO\SampleDB\030199c.SPL
Printed: Mon Mar 01 17:17:14 1999

	File Name	File Text	MS File	Inlet File	Bottle	Factor 1	Sample
1	030199001	MeOH Blank	TOX120A	long2	91	0	Analyte
2	030199002	MeOH Blank	TOX120A	long2	91	0	Analyte
3	030199003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	TOX120A	long2	1	0	Analyte
4	030199004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	TOX120A	long2	2	0	Analyte
5	030199005	Tox 120, RBL02229-5ppb-1, 2/22/99	TOX120A	long2	3	0	Standar
6	030199006	Tox 120, RBL02229-10ppb-1, 2/22/99	TOX120A	long2	4	0	Standar
7	030199007	Tox 120, RBL02229-25ppb-1, 2/22/99	TOX120A	long2	5	0	Standar
8	030199008	Tox 120, RBL02229-50ppb-1, 2/22/99	TOX120A	long2	6	0	Standar
9	030199009	Tox 120, RBL02229-100ppb-1, 2/22/99	TOX120A	long2	7	0	Standar
10	030199010	Tox 120, RBL02229-250ppb-1, 2/22/99	TOX120A	long2	8	0	Standar
11	030199011	Tox 120, RBL02229-500ppb-1, 2/22/99	TOX120A	long2	9	0	Standar
12	030199012	Tox 120, RBL02229-750ppb-1, 2/22/99	TOX120A	long2	10	0	Standar
13	030199013	Tox 120, RBL02229-1000ppb-1, 2/22/99	TOX120A	long2	11	0	Standar
14	030199014	MeOH Blank	TOX120A	long2	91	0	Analyte
15	030199015	Tox 120 DNO. 125F-G2, 2/22/99 D5	TOX120A	long2	12	0	Analyte
16	030199016	Tox 120 DNO. 126F-G2, 2/22/99 D5	TOX120A	long2	13	0	Analyte
17	030199017	Tox 120 DNO. 127F-G2, 2/22/99 D5	TOX120A	long2	14	0	Analyte
18	030199018	Tox 120 DNO. 129F-G3, 2/22/99 D2	TOX120A	long2	15	0	Analyte
19	030199019	Tox 120 DNO. 130F-G3, 2/22/99 D2	TOX120A	long2	16	0	Analyte
20	030199020	Tox 120, RBL02229-250ppb-CC1, 2/22/99	TOX120A	long2	17	0	Analyte
21	030199021	MeOH Blank	TOX120A	long2	92	0	Analyte
22	030199022	Tox 120 DNO. 131F-G3, 2/22/99 D2	TOX120A	long2	18	0	Analyte
23	030199023	Tox 120 DNO. 132F-G3, 2/22/99 D2	TOX120A	long2	19	0	Analyte
24	030199024	Tox 120 DNO. 133F-G3, 2/22/99 D2	TOX120A	long2	20	0	Analyte
25	030199025	Tox 120 DNO. 134F-G3, 2/22/99 D2	TOX120A	long2	21	0	Analyte
26	030199026	Tox 120 DNO. 135F-G3, 2/22/99 D2	TOX120A	long2	22	0	Analyte
27	030199027	Tox 120, RBL02229-250ppb-CC2, 2/22/99	TOX120A	long2	23	0	Analyte
28	030199028	MeOH Blank	TOX120A	long2	92	0	Analyte
29	030199029	Tox 120 DNO. 136F-G3, 2/22/99 D2	TOX120A	long2	24	0	Analyte
30	030199030	Tox 120 DNO. 137F-G3, 2/22/99 D2	TOX120A	long2	25	0	Analyte
31	030199031	Tox 120 DNO. 138F-G3, 2/22/99 D2	TOX120A	long2	26	0	Analyte
32	030199032	Tox 120 DNO. 139F-G3, 2/22/99 D2	TOX120A	long2	27	0	Analyte
33	030199033	Tox 120 DNO. 141F-G3, 2/22/99 D2	TOX120A	long2	28	0	Analyte
34	030199034	Tox 120, RBL02229-250ppb-CC3, 2/22/99	TOX120A	long2	29	0	QC
35	030199035	MeOH Blank	TOX120A	long2	93	0	Analyte
36	030199036	Tox 120 DNO. 142F-G3, 2/22/99 D2	TOX120A	long2	30	0	Analyte
37	030199037	Tox 120 DNO. 143F-G3, 2/22/99 D2	TOX120A	long2	31	0	Analyte
38	030199038	Tox 120, RBL02229-250ppb-CC4, 2/22/99	TOX120A	long2	32	0	QC
39	030199039	MeOH Blank	TOX120A	long2	93	0	Analyte
40	030199040	Tox 120, 106F-G1-250ppb-MS, 2/22/99	TOX120A	long2	33	0	Analyte
41	030199041	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	TOX120A	long2	34	0	Analyte
42	030199042	Tox 120, RBL02229-250ppb-CC5, 2/22/99	TOX120A	long2	35	0	QC
43	030199043	MeOH Blank	TOX120A	long2	93	0	Analyte
44	030199044	Tox 120, RBL02229-H2O Blk-2, 2/22/99	TOX120A	long2	36	0	Analyte
45	030199045	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	TOX120A	long2	37	0	Analyte
46	030199046	Tox 120, RBL02229-5ppb-2, 2/22/99	TOX120A	long2	38	0	Standar
47	030199047	Tox 120, RBL02229-10ppb-2, 2/22/99	TOX120A	long2	39	0	Standar
48	030199048	Tox 120, RBL02229-25ppb-2, 2/22/99	TOX120A	long2	40	0	Standar
49	030199049	Tox 120, RBL02229-50ppb-2, 2/22/99	TOX120A	long2	41	0	Standar
50	030199050	Tox 120, RBL02229-100ppb-2, 2/22/99	TOX120A	long2	42	0	Standa
51	030199051	Tox 120, RBL02229-250ppb-2, 2/22/99	TOX120A	long2	43	0	Standa
52	030199052	Tox 120, RBL02229-500ppb-2, 2/22/99	TOX120A	long2	44	0	Standa
53	030199053	Tox 120, RBL02229-750ppb-2, 2/22/99	TOX120A	long2	45	0	Standa
54	030199054	Tox 120, RBL02229-1000ppb-2, 2/22/99	TOX120A	long2	46	0	Standa

Run on Madeline 03/01/99 DHS
041098
UL 5/10/98

FACT: DATA REVIEW SUMMARY FORM

Date: 03/08/99

Analyst: drb

FACT Study Number: Tox 120

Matrix: Rat Liver

Time Points: Groups 2 + 3 2/22/99

Dilutions? Yes D5 + D2

Analyte 1: PFOS
Acceptable Linear Range: 5 - 1,000 ppb
LOQ for this data set: 5 ppb
Re-evaluated for different range? No

Analyte 2: PFHS
Acceptable Linear Range: 10 - 1,000 ppb
LOQ for this data set: 10 ppb
Re-evaluated for different range? No

Analyte 3: —
Acceptable Linear Range: 50 - 1,000 ppb
LOQ for this data set: 50 ppb
Re-evaluated for different range? No

Analyte 4: PFAA
Acceptable Linear Range: 10 - 1,000 ppb
LOQ for this data set: 10 ppb
Re-evaluated for different range? No

Analyte 5: Telmer 469
Acceptable Linear Range: 100 - 1,000 ppb
LOQ for this data set: 100 ppb
Re-evaluated for different range? ND

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Analyte 6: 03/08/99 Telmer 569
(E) DRB 25
Acceptable Linear Range: 50 - 250 ppb
LOQ for this data set: 2552 ppb (E) 03/08/99 DRB
Re-evaluated for different range? No

Analyte 7: Sum
Acceptable Linear Range: —
LOQ for this data set: —
Re-evaluated for different range? —

BACK TO MAIN

Quantify Compound Summary Report
TOX 120 DNO Rat Liver Groups 2 & 3

DRB
03/08/99

Sample List: M:\RATS.PRO\SampleDB\030199c
Last modified: Mon Mar 08 09:49:26 1999
Method: M:\rats.PRO\MathDB\030199c
Last modified: Mon Mar 08 10:03:52 1999
Job Code:

Printed: Mon Mar 08 10:35:49 1999

Compound 1: PFOS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Dil.Fact.	Conc	Flags	%Dev
1	030199001	MeOH Blank	Analyt		7.929	12509	1	286.71	MM	
2	030199002	MeOH Blank	Analyt		7.913	1871	1	4.03	MM	
3	030199003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyt		7.959	1689	1	0.00	MM	
4	030199004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt		7.964	2245	1	13.96	MM	
5	030199005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standa	5.99	8.073	3267	1	41.14	bbX	587
6	030199006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standa	12.00	7.899	2555	1	22.20	bb	85
7	030199007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standa	29.90	7.927	2937	1	32.36	bb	8
8	030199008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standa	59.90	8.007	4107	1	63.44	MM	6
9	030199009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standa	120.00	8.023	6367	1	123.50	MM	3
10	030199010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standa	299.00	8.002	12988	1	299.44	MM	0
11	030199011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standa	599.00	8.043	25544	1	633.05	bb	6
12	030199012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standa	898.00	8.017	37384	1	947.68	bb	6
13	030199013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standa	1198.00	8.000	45478	1	1162.75	bb	-3
14	030199014	MeOH Blank	Analyt		7.871	1341	1	0.00	bb	
15	030199015	Tox 120 DNO. 125F-G2, 2/22/99 D5	Analyt		7.858	1796	1	2.05	bb	
16	030199016	Tox 120 DNO. 126F-G2, 2/22/99 D5	Analyt		7.875	1820	1	2.69	bb	
17	030199017	Tox 120 DNO. 127F-G2, 2/22/99 D5	Analyt		7.857	1645	1	0.00	bb	
18	030199018	Tox 120 DNO. 129F-G3, 2/22/99 D2	Analyt		7.895	2289	1	15.14	bb	
19	030199019	Tox 120 DNO. 130F-G3, 2/22/99 D2	Analyt		7.879	2367	1	17.21	MM	
20	030199020	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	299.00	8.051	11524	1	260.53	bb	-13
21	030199021	MeOH Blank	Analyt		7.896	1450	1	0.00	bb	
22	030199022	Tox 120 DNO. 131F-G3, 2/22/99 D2	Analyt		7.819	2498	1	20.70	MM	
23	030199023	Tox 120 DNO. 132F-G3, 2/22/99 D2	Analyt		7.827	2470	1	19.95	MM	
24	030199024	Tox 120 DNO. 133F-G3, 2/22/99 D2	Analyt		7.901	2356	1	16.92	MM	
25	030199025	Tox 120 DNO. 134F-G3, 2/22/99 D2	Analyt		7.822	2315	1	15.83	MM	
26	030199026	Tox 120 DNO. 135F-G3, 2/22/99 D2	Analyt		7.833	2363	1	17.12	MM	
27	030199027	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	299.00	8.005	10471	1	232.56	MM	-22
28	030199028	MeOH Blank	Analyt		7.919	1443	1	0.00	bb	
29	030199029	Tox 120 DNO. 136F-G3, 2/22/99 D2	Analyt		7.887	2196	1	12.67	MM	
30	030199030	Tox 120 DNO. 137F-G3, 2/22/99 D2	Analyt		7.869	1888	1	4.49	MM	
31	030199031	Tox 120 DNO. 138F-G3, 2/22/99 D2	Analyt		7.854	1834	1	3.07	MM	
32	030199032	Tox 120 DNO. 139F-G3, 2/22/99 D2	Analyt		8.020	2358	1	16.99	bb	
33	030199033	Tox 120 DNO. 141F-G3, 2/22/99 D2	Analyt		7.869	2612	1	23.74	bb	
34	030199034	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	299.00	8.017	11401	1	257.26	bb	-14
35	030199035	MeOH Blank	Analyt		7.933	1302	1	0.00	bb	
36	030199036	Tox 120 DNO. 142F-G3, 2/22/99 D2	Analyt		7.854	2228	1	13.53	MM	
37	030199037	Tox 120 DNO. 143F-G3, 2/22/99 D2	Analyt		7.929	2526	1	21.44	bb	
38	030199038	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	299.00	8.023	11556	1	261.39	bb	-13
39	030199039	MeOH Blank	Analyt		7.932	1265	1	0.00	MM	
40	030199040	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyt		8.034	24689	1	610.36	MM	
41	030199041	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyt		8.015	25982	1	644.70	MM	
42	030199042	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	299.00	8.043	11767	1	266.98	bb	-11
43	030199043	MeOH Blank	Analyt		7.868	1409	1	0.00	MM	
44	030199044	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyt		7.885	1689	1	0.00	bb	
45	030199045	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt		7.898	1341	1	0.00	MM	
46	030199046	Tox 120, RBL02229-5ppb-2, 2/22/99	Standa	5.99	7.915	1884	1	4.39	bb	-27
47	030199047	Tox 120, RBL02229-10ppb-2, 2/22/99	Standa	12.00	7.845	1952	1	6.18	MM	-49
48	030199048	Tox 120, RBL02229-25ppb-2, 2/22/99	Standa	29.90	7.995	2830	1	29.51	MM	-1
49	030199049	Tox 120, RBL02229-50ppb-2, 2/22/99	Standa	59.90	8.011	3802	1	55.34	bb	-8
50	030199050	Tox 120, RBL02229-100ppb-2, 2/22/99	Standa	120.00	7.988	6278	1	121.15	bb	1
51	030199051	Tox 120, RBL02229-250ppb-2, 2/22/99	Standa	299.00	8.002	12779	1	293.88	bb	-2
52	030199052	Tox 120, RBL02229-500ppb-2, 2/22/99	Standa	599.00	7.997	23131	1	568.95	MM	-5
53	030199053	Tox 120, RBL02229-750ppb-2, 2/22/99	Standa	898.00	8.045	32672	1	822.46	bb	-8
54	030199054	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standa	1198.00	8.031	48811	1	1251.30	bb	4

madeline041098:: quantitated and printed 03/08/99 by drb

BACK TO MAIN

Quantify Compound Summary Report
TOX 120 DNO Rat Liver Groups 2 & 3

Sample List: M:\RATS.PRO\SampleDB\030199c
Last modified: Mon Mar 08 09:49:26 1999
Method: M:\rats.PRO\MethDB\030199c
Last modified: Mon Mar 08 10:03:52 1999
Job Code:

Printed: Mon Mar 08 11:09:50 1999

DRB 03/08/99

Compound 2: PFHS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Dil.Factor	Conc	Flags	%Dev
1	030199001	MeOH Blank	Analyt							
2	030199002	MeOH Blank	Analyt							
3	030199003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyt							
4	030199004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt		6.587	209	1	5.43	bb	
5	030199005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standa	5.99	6.607	525	1	20.86	MMX	248
6	030199006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standa	12.00	6.614	470	1	18.15	MM	51
7	030199007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standa	29.90	6.550	820	1	35.19	MM	18
8	030199008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standa	59.90	6.558	1349	1	61.01	MM	2
9	030199009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standa	120.00	6.567	2570	1	120.49	MM	0
10	030199010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standa	299.00	6.552	5924	1	283.94	MM	-5
11	030199011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standa	599.00	6.583	12321	1	595.64	MM	-1
12	030199012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standa	898.00	6.560	19614	1	951.00	MM	6
13	030199013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standa	1198.00	6.553	24476	1	1187.90	MM	-1
14	030199014	MeOH Blank	Analyt							
15	030199015	Tox 120 DNO. 125F-G2, 2/22/99 D5	Analyt							
16	030199016	Tox 120 DNO. 126F-G2, 2/22/99 D5	Analyt							
17	030199017	Tox 120 DNO. 127F-G2, 2/22/99 D5	Analyt							
18	030199018	Tox 120 DNO. 129F-G3, 2/22/99 D2	Analyt							
19	030199019	Tox 120 DNO. 130F-G3, 2/22/99 D2	Analyt							
20	030199020	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	299.00	6.589	5388	1	257.80	bb	-14
21	030199021	MeOH Blank	Analyt							
22	030199022	Tox 120 DNO. 131F-G3, 2/22/99 D2	Analyt							
23	030199023	Tox 120 DNO. 132F-G3, 2/22/99 D2	Analyt							
24	030199024	Tox 120 DNO. 133F-G3, 2/22/99 D2	Analyt		5.920	195	1	4.74	MM	
25	030199025	Tox 120 DNO. 134F-G3, 2/22/99 D2	Analyt							
26	030199026	Tox 120 DNO. 135F-G3, 2/22/99 D2	Analyt							
27	030199027	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	299.00	6.538	4911	1	234.55	MM	-22
28	030199028	MeOH Blank	Analyt							
29	030199029	Tox 120 DNO. 136F-G3, 2/22/99 D2	Analyt							
30	030199030	Tox 120 DNO. 137F-G3, 2/22/99 D2	Analyt							
31	030199031	Tox 120 DNO. 138F-G3, 2/22/99 D2	Analyt							
32	030199032	Tox 120 DNO. 139F-G3, 2/22/99 D2	Analyt							
33	030199033	Tox 120 DNO. 141F-G3, 2/22/99 D2	Analyt							
34	030199034	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	299.00	6.559	5229	1	250.07	MM	-16
35	030199035	MeOH Blank	Analyt							
36	030199036	Tox 120 DNO. 142F-G3, 2/22/99 D2	Analyt							
37	030199037	Tox 120 DNO. 143F-G3, 2/22/99 D2	Analyt							
38	030199038	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	299.00	6.570	5209	1	249.09	bb	-17
39	030199039	MeOH Blank	Analyt							
40	030199040	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyt		6.575	4836	1	230.91	MM	
41	030199041	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyt		6.556	4389	1	209.12	bb	
42	030199042	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	299.00	6.501	5140	1	245.70	bb	-18
43	030199043	MeOH Blank	Analyt							
44	030199044	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyt							
45	030199045	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt		6.605	89	1	0.00	bb	
46	030199046	Tox 120, RBL02229-5ppb-2, 2/22/99	Standa	5.99	6.612	84	1	0.00	bb	-100
47	030199047	Tox 120, RBL02229-10ppb-2, 2/22/99	Standa	12.00	6.539	407	1	15.10	MM	26
48	030199048	Tox 120, RBL02229-25ppb-2, 2/22/99	Standa	29.90	6.532	702	1	29.46	MM	-1
49	030199049	Tox 120, RBL02229-50ppb-2, 2/22/99	Standa	59.90	6.541	1467	1	66.73	MM	11
50	030199050	Tox 120, RBL02229-100ppb-2, 2/22/99	Standa	120.00	6.526	2500	1	117.05	MM	-2
51	030199051	Tox 120, RBL02229-250ppb-2, 2/22/99	Standa	299.00	6.537	6330	1	303.68	MM	2
52	030199052	Tox 120, RBL02229-500ppb-2, 2/22/99	Standa	599.00	6.531	11998	1	579.90	MM	-3
53	030199053	Tox 120, RBL02229-750ppb-2, 2/22/99	Standa	898.00	6.590	17964	1	870.59	MM	-3
54	030199054	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standa	1198.00	6.570	24774	1	1202.41	MM	0

madeline041098:: quantitated and printed 03/08/99 by drb

BACK TO MAIN

Quantify Compound Summary Report
TOX 120 DNO Rat Liver Groups 2 & 3

DRB
03/08/99

Sample List: M:\RATS.PRO\SampleDB\030199c
Last modified: Mon Mar 08 09:49:26 1999
Method: M:\rats.PRO\MethDB\030199c
Last modified: Mon Mar 08 10:03:52 1999
Job Code:

Printed: Mon Mar 08 10:35:49 1999

Compound 3:

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Dil.Fact.	Conc	Flags	%Dev
1	030199001	MeOH Blank	Analyt							
2	030199002	MeOH Blank	Analyt							
3	030199003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyt							
4	030199004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt							
5	030199005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standa	5.99						
6	030199006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standa	12.00						
7	030199007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standa	29.90						
8	030199008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standa	59.90	4.126	97	1	48.06	bb	-20
9	030199009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standa	120.00	4.130	212	1	153.71	bb	28
10	030199010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standa	299.00	4.124	399	1	323.86	bb	8
11	030199011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standa	599.00	4.143	659	1	561.92	bb	-6
12	030199012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standa	898.00	4.213	1110	1	974.76	bb	9
13	030199013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standa	1198.00	4.209	1381	1	1222.81	bb	2
14	030199014	MeOH Blank	Analyt							
15	030199015	Tox 120 DNO. 125F-G2, 2/22/99 D5	Analyt							
16	030199016	Tox 120 DNO. 126F-G2, 2/22/99 D5	Analyt							
17	030199017	Tox 120 DNO. 127F-G2, 2/22/99 D5	Analyt							
18	030199018	Tox 120 DNO. 129F-G3, 2/22/99 D2	Analyt							
19	030199019	Tox 120 DNO. 130F-G3, 2/22/99 D2	Analyt							
20	030199020	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	299.00	4.147	401	1	325.85	bb	9
21	030199021	MeOH Blank	Analyt							
22	030199022	Tox 120 DNO. 131F-G3, 2/22/99 D2	Analyt							
23	030199023	Tox 120 DNO. 132F-G3, 2/22/99 D2	Analyt							
24	030199024	Tox 120 DNO. 133F-G3, 2/22/99 D2	Analyt							
25	030199025	Tox 120 DNO. 134F-G3, 2/22/99 D2	Analyt							
26	030199026	Tox 120 DNO. 135F-G3, 2/22/99 D2	Analyt							
27	030199027	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	299.00	4.171	473	1	392.19	bb	31
28	030199028	MeOH Blank	Analyt							
29	030199029	Tox 120 DNO. 136F-G3, 2/22/99 D2	Analyt							
30	030199030	Tox 120 DNO. 137F-G3, 2/22/99 D2	Analyt							
31	030199031	Tox 120 DNO. 138F-G3, 2/22/99 D2	Analyt							
32	030199032	Tox 120 DNO. 139F-G3, 2/22/99 D2	Analyt							
33	030199033	Tox 120 DNO. 141F-G3, 2/22/99 D2	Analyt							
34	030199034	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	299.00	4.039	389	1	314.75	bb	5
35	030199035	MeOH Blank	Analyt							
36	030199036	Tox 120 DNO. 142F-G3, 2/22/99 D2	Analyt							
37	030199037	Tox 120 DNO. 143F-G3, 2/22/99 D2	Analyt							
38	030199038	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	299.00	4.046	389	1	314.84	bb	5
39	030199039	MeOH Blank	Analyt							
40	030199040	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyt		4.390	377	1	303.93	bb	
41	030199041	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyt		4.297	258	1	195.04	bb	
42	030199042	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	299.00	4.057	427	1	350.10	bb	17
43	030199043	MeOH Blank	Analyt							
44	030199044	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyt							
45	030199045	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt							
46	030199046	Tox 120, RBL02229-5ppb-2, 2/22/99	Standa	5.99						
47	030199047	Tox 120, RBL02229-10ppb-2, 2/22/99	Standa	12.00						
48	030199048	Tox 120, RBL02229-25ppb-2, 2/22/99	Standa	29.90						
49	030199049	Tox 120, RBL02229-50ppb-2, 2/22/99	Standa	59.90	4.247	102	1	52.25	bb	-13
50	030199050	Tox 120, RBL02229-100ppb-2, 2/22/99	Standa	120.00	4.247	176	1	120.05	bb	0
51	030199051	Tox 120, RBL02229-250ppb-2, 2/22/99	Standa	299.00	4.159	388	1	314.63	bb	5
52	030199052	Tox 120, RBL02229-500ppb-2, 2/22/99	Standa	599.00	4.163	601	1	508.68	bb	-15
53	030199053	Tox 120, RBL02229-750ppb-2, 2/22/99	Standa	898.00	4.145	1036	1	906.92	bb	1
54	030199054	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standa	1198.00	4.129	1313	1	1160.16	bb	-3

BACK TO MAIN

Quantify Compound Summary Report
TOX 120 DNO Rat Liver Groups 2 & 3

DRB 03/08/99

Sample List: M:\RATS.PRO\SampleDB\030199c
Last modified: Mon Mar 08 09:49:26 1999
Method: M:\rats.PRO\MathDB\030199c
Last modified: Mon Mar 08 10:03:52 1999
Job Code:

Printed: Mon Mar 08 10:35:49 1999

Compound 4: POAA

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Dil.Fact.	Conc	Flags	%Dev
1	030199001	MeOH Blank	Analyt		7.008	500	1	92.56	bb	
2	030199002	MeOH Blank	Analyt		7.512	124	1	20.26	MM	
3	030199003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyt							
4	030199004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt							
5	030199005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standa	5.99						
6	030199006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standa	12.00	7.329	80	1	11.94	MM	-1
7	030199007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standa	29.90	7.353	154	1	26.17	MM	-12
8	030199008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standa	59.90	7.355	337	1	61.26	MM	2
9	030199009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standa	120.00	7.368	573	1	106.54	MM	-11
10	030199010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standa	299.00	7.352	1654	1	314.01	MM	5
11	030199011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standa	599.00	7.302	3098	1	591.19	bb	-1
12	030199012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standa	898.00	7.275	5049	1	965.76	bb	8
13	030199013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standa	1198.00	7.349	6230	1	1192.43	bb	0
14	030199014	MeOH Blank	Analyt							
15	030199015	Tox 120 DNO. 125F-G2, 2/22/99 D5	Analyt							
16	030199016	Tox 120 DNO. 126F-G2, 2/22/99 D5	Analyt							
17	030199017	Tox 120 DNO. 127F-G2, 2/22/99 D5	Analyt							
18	030199018	Tox 120 DNO. 129F-G3, 2/22/99 D2	Analyt		6.805	424	1	77.90	bb	
19	030199019	Tox 120 DNO. 130F-G3, 2/22/99 D2	Analyt		6.883	424	1	77.88	MM	
20	030199020	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	299.00	7.310	1518	1	287.96	bb	-4
21	030199021	MeOH Blank	Analyt							
22	030199022	Tox 120 DNO. 131F-G3, 2/22/99 D2	Analyt		6.984	571	1	106.08	bb	
23	030199023	Tox 120 DNO. 132F-G3, 2/22/99 D2	Analyt		6.823	535	1	99.25	bb	
24	030199024	Tox 120 DNO. 133F-G3, 2/22/99 D2	Analyt		6.895	459	1	84.58	MM	
25	030199025	Tox 120 DNO. 134F-G3, 2/22/99 D2	Analyt		7.326	397	1	72.71	bb	
26	030199026	Tox 120 DNO. 135F-G3, 2/22/99 D2	Analyt		6.916	537	1	99.69	MM	
27	030199027	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	299.00	7.346	1325	1	250.93	MM	-16
28	030199028	MeOH Blank	Analyt							
29	030199029	Tox 120 DNO. 136F-G3, 2/22/99 D2	Analyt		6.890	419	1	76.91	bb	
30	030199030	Tox 120 DNO. 137F-G3, 2/22/99 D2	Analyt							
31	030199031	Tox 120 DNO. 138F-G3, 2/22/99 D2	Analyt							
32	030199032	Tox 120 DNO. 139F-G3, 2/22/99 D2	Analyt							
33	030199033	Tox 120 DNO. 141F-G3, 2/22/99 D2	Analyt							
34	030199034	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	299.00	7.275	1501	1	284.63	bb	-5
35	030199035	MeOH Blank	Analyt							
36	030199036	Tox 120 DNO. 142F-G3, 2/22/99 D2	Analyt							
37	030199037	Tox 120 DNO. 143F-G3, 2/22/99 D2	Analyt							
38	030199038	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	299.00	7.287	1588	1	301.41	bb	1
39	030199039	MeOH Blank	Analyt							
40	030199040	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyt		7.292	1446	1	274.12	bb	
41	030199041	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyt		7.271	1440	1	272.91	MM	
42	030199042	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	299.00	7.301	1461	1	276.92	bb	-7
43	030199043	MeOH Blank	Analyt							
44	030199044	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyt		7.311	23	1	0.92	bb	
45	030199045	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt							
46	030199046	Tox 120, RBL02229-5ppb-2, 2/22/99	Standa	5.99						
47	030199047	Tox 120, RBL02229-10ppb-2, 2/22/99	Standa	12.00	7.356	96	1	14.96	MM	25
48	030199048	Tox 120, RBL02229-25ppb-2, 2/22/99	Standa	29.90	7.337	220	1	38.77	MM	30
49	030199049	Tox 120, RBL02229-50ppb-2, 2/22/99	Standa	59.90	7.352	334	1	60.67	MM	1
50	030199050	Tox 120, RBL02229-100ppb-2, 2/22/99	Standa	120.00	7.332	672	1	125.54	MM	5
51	030199051	Tox 120, RBL02229-250ppb-2, 2/22/99	Standa	299.00	7.346	1515	1	287.44	MM	-4
52	030199052	Tox 120, RBL02229-500ppb-2, 2/22/99	Standa	599.00	7.339	3015	1	575.32	bb	-4
53	030199053	Tox 120, RBL02229-750ppb-2, 2/22/99	Standa	898.00	7.305	4559	1	871.76	bb	-3
54	030199054	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standa	1198.00	7.285	6206	1	1187.86	bb	-1

madeline041098:: quantitated and printed 03/08/99 by drb

BACK TO MAIN

Quantify Compound Summary Report
TOX 120 DNO Rat Liver Groups 2 & 3

DRB 03/08/99

Sample List: M:\RATS.PRO\SampleDB\030199c
Last modified: Mon Mar 08 09:49:26 1999
Method: M:\rats.PRO\MathDB\030199c
Last modified: Mon Mar 08 10:03:52 1999
Job Code:

Printed: Mon Mar 08 10:35:49 1999

Compound 5: Talmer469

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Dil.Fact.	Conc	Flags	%Dev
1	030199001	MeOH Blank	Analyt							
2	030199002	MeOH Blank	Analyt							
3	030199003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyt							
4	030199004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt							
5	030199005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standa	5.99						
6	030199006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standa	12.00						
7	030199007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standa	29.90						
8	030199008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standa	59.90						
9	030199009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standa	120.00	8.571	86	1	85.14	MM	-29
10	030199010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standa	299.00	8.549	275	1	419.51	bbX	40
11	030199011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standa	599.00	8.593	372	1	592.43	MM	-1
12	030199012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standa	898.00	8.562	631	1	1049.49	MMX	17
13	030199013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standa	1198.00	8.544	727	1	1220.49	bb	2
14	030199014	MeOH Blank	Analyt							
15	030199015	Tox 120 DNO. 125F-G2, 2/22/99 D5	Analyt		8.150	311	1	483.65	MM	
16	030199016	Tox 120 DNO. 126F-G2, 2/22/99 D5	Analyt		8.168	301	1	465.17	MM	
17	030199017	Tox 120 DNO. 127F-G2, 2/22/99 D5	Analyt		8.149	266	1	403.94	bb	
18	030199018	Tox 120 DNO. 129F-G3, 2/22/99 D2	Analyt		8.361	329	1	514.84	bb	
19	030199019	Tox 120 DNO. 130F-G3, 2/22/99 D2	Analyt		8.340	448	1	725.79	MM	
20	030199020	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	299.00	8.599	173	1	238.58	MM	-20
21	030199021	MeOH Blank	Analyt							
22	030199022	Tox 120 DNO. 131F-G3, 2/22/99 D2	Analyt		8.370	281	1	430.52	bb	
23	030199023	Tox 120 DNO. 132F-G3, 2/22/99 D2	Analyt		8.553	445	1	720.90	MM	
24	030199024	Tox 120 DNO. 133F-G3, 2/22/99 D2	Analyt		8.371	260	1	393.56	bb	
25	030199025	Tox 120 DNO. 134F-G3, 2/22/99 D2	Analyt		8.540	352	1	556.19	MM	
26	030199026	Tox 120 DNO. 135F-G3, 2/22/99 D2	Analyt		8.552	500	1	818.12	bb	
27	030199027	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	299.00	8.559	163	1	220.94	MM	-26
28	030199028	MeOH Blank	Analyt							
29	030199029	Tox 120 DNO. 136F-G3, 2/22/99 D2	Analyt		8.352	391	1	625.67	MM	
30	030199030	Tox 120 DNO. 137F-G3, 2/22/99 D2	Analyt		8.331	380	1	605.50	bb	
31	030199031	Tox 120 DNO. 138F-G3, 2/22/99 D2	Analyt		8.572	408	1	654.85	MM	
32	030199032	Tox 120 DNO. 139F-G3, 2/22/99 D2	Analyt		8.568	357	1	564.48	bb	
33	030199033	Tox 120 DNO. 141F-G3, 2/22/99 D2	Analyt		8.585	328	1	513.91	bb	
34	030199034	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	299.00	8.563	262	1	397.34	MM	33 *
35	030199035	MeOH Blank	Analyt							
36	030199036	Tox 120 DNO. 142F-G3, 2/22/99 D2	Analyt		8.572	257	1	388.50	MM	
37	030199037	Tox 120 DNO. 143F-G3, 2/22/99 D2	Analyt		8.559	218	1	319.39	bb	
38	030199038	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	299.00	8.568	222	1	325.79	MM	9
39	030199039	MeOH Blank	Analyt							
40	030199040	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyt		8.580	226	1	333.82	MM	
41	030199041	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyt		8.560	196	1	279.87	MM	
42	030199042	Tox 120, RBL02229-250ppb-CCS, 2/22/99	QC	299.00	8.505	190	1	268.61	MM	-10
43	030199043	MeOH Blank	Analyt							
44	030199044	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyt							
45	030199045	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt							
46	030199046	Tox 120, RBL02229-5ppb-2, 2/22/99	Standa	5.99						
47	030199047	Tox 120, RBL02229-10ppb-2, 2/22/99	Standa	12.00						
48	030199048	Tox 120, RBL02229-25ppb-2, 2/22/99	Standa	29.90						
49	030199049	Tox 120, RBL02229-50ppb-2, 2/22/99	Standa	59.90						
50	030199050	Tox 120, RBL02229-100ppb-2, 2/22/99	Standa	120.00	8.536	119	1	144.01	bb	20
51	030199051	Tox 120, RBL02229-250ppb-2, 2/22/99	Standa	299.00	8.550	209	1	302.82	bb	1
52	030199052	Tox 120, RBL02229-500ppb-2, 2/22/99	Standa	599.00	8.546	393	1	628.62	MM	5
53	030199053	Tox 120, RBL02229-750ppb-2, 2/22/99	Standa	898.00	8.505	535	1	879.50	bb	-2
54	030199054	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standa	1198.00	8.578	703	1	1177.99	bb	-2

Entered 03/08/99 LAC

* Not within 30% criteria. The following cont check was within criteria + bracketed 7 samples. Method: Talmer469. Data is OK and is reportable.
LAC 03/08/99

BACK TO MAIN

Quantify Compound Summary Report
TOX 120 DNO Rat Liver Groups 2 & 3

DRB 03/08/99

Sample List: M:\RATS.PRO\SampleDB\030199c
Last modified: Mon Mar 08 09:49:26 1999
Method: M:\rats.PRO\MethDB\030199c
Last modified: Mon Mar 08 10:03:52 1999
Job Code:

Printed: Mon Mar 08 10:35:49 1999

Compound 6: Telmar569

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Dil.Fact.	Conc	Flags	%Dev
1	030199001	MeOH Blank	Analyt							
2	030199002	MeOH Blank	Analyt							
3	030199003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyt							
4	030199004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt							
5	030199005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standa	5.99						
6	030199006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standa	12.00						
7	030199007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standa	29.90						
8	030199008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standa	59.90	9.414	117	1	58.83	bb	-2
9	030199009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standa	120.00	9.429	238	1	111.81	bb	-7
10	030199010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standa	299.00	9.414	528	1	238.62	bbX	-20
11	030199011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standa	599.00	9.460	896	1	399.67	bbX	-33
12	030199012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standa	898.00	9.424	1478	1	654.28	bbX	-27
13	030199013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standa	1198.00	9.401	1532	1	677.92	bbX	-43
14	030199014	MeOH Blank	Analyt							
15	030199015	Tox 120 DNO. 125F-G2, 2/22/99 D5	Analyt							
16	030199016	Tox 120 DNO. 126F-G2, 2/22/99 D5	Analyt							
17	030199017	Tox 120 DNO. 127F-G2, 2/22/99 D5	Analyt							
18	030199018	Tox 120 DNO. 129F-G3, 2/22/99 D2	Analyt							
19	030199019	Tox 120 DNO. 130F-G3, 2/22/99 D2	Analyt							
20	030199020	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	299.00	9.469	354	1	162.79	bb	-46
21	030199021	MeOH Blank	Analyt							
22	030199022	Tox 120 DNO. 131F-G3, 2/22/99 D2	Analyt							
23	030199023	Tox 120 DNO. 132F-G3, 2/22/99 D2	Analyt		9.419	105	1	53.86	bb	
24	030199024	Tox 120 DNO. 133F-G3, 2/22/99 D2	Analyt							
25	030199025	Tox 120 DNO. 134F-G3, 2/22/99 D2	Analyt							
26	030199026	Tox 120 DNO. 135F-G3, 2/22/99 D2	Analyt							
27	030199027	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	299.00	9.422	507	1	229.52	MM	-23
28	030199028	MeOH Blank	Analyt							
29	030199029	Tox 120 DNO. 136F-G3, 2/22/99 D2	Analyt							
30	030199030	Tox 120 DNO. 137F-G3, 2/22/99 D2	Analyt							
31	030199031	Tox 120 DNO. 138F-G3, 2/22/99 D2	Analyt							
32	030199032	Tox 120 DNO. 139F-G3, 2/22/99 D2	Analyt		9.428	56	1	32.09	MM	
33	030199033	Tox 120 DNO. 141F-G3, 2/22/99 D2	Analyt		9.444	49	1	29.38	MM	
34	030199034	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	299.00	9.427	481	1	218.05	bb	-27
35	030199035	MeOH Blank	Analyt							
36	030199036	Tox 120 DNO. 142F-G3, 2/22/99 D2	Analyt							
37	030199037	Tox 120 DNO. 143F-G3, 2/22/99 D2	Analyt		9.420	48	1	28.51	MM	
38	030199038	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	299.00	9.429	544	1	245.83	bb	-18
39	030199039	MeOH Blank	Analyt							
40	030199040	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyt		9.443	448	1	203.94	bb	
41	030199041	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyt		9.427	357	1	163.92	MM	
42	030199042	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	299.00	9.450	337	1	155.01	bb	-48
43	030199043	MeOH Blank	Analyt							
44	030199044	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyt							
45	030199045	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt							
46	030199046	Tox 120, RBL02229-5ppb-2, 2/22/99	Standa	5.99						
47	030199047	Tox 120, RBL02229-10ppb-2, 2/22/99	Standa	12.00						
48	030199048	Tox 120, RBL02229-25ppb-2, 2/22/99	Standa	29.90	9.407	64	1	35.56	MM	19
49	030199049	Tox 120, RBL02229-50ppb-2, 2/22/99	Standa	59.90	9.431	132	1	65.50	bb	9
50	030199050	Tox 120, RBL02229-100ppb-2, 2/22/99	Standa	120.00	9.413	242	1	113.63	bb	-5
51	030199051	Tox 120, RBL02229-250ppb-2, 2/22/99	Standa	299.00	9.426	676	1	303.37	bb	1
52	030199052	Tox 120, RBL02229-500ppb-2, 2/22/99	Standa	599.00	9.414	896	1	399.62	bbX	-33
53	030199053	Tox 120, RBL02229-750ppb-2, 2/22/99	Standa	898.00	9.454	1154	1	512.54	bbX	-43
54	030199054	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standa	1198.00	9.440	1729	1	764.09	bbX	-36

BACK TO MAIN

Quantify Compound Summary Report
TOX 120 DNO Rat Liver Groups 2 & 3

DRS 03/08/99

Sample List: M:\RATS.PRO\SampleDB\030199c
Last modified: Mon Mar 08 09:49:26 1999
Method: M:\rats.PRO\MethDB\030199c
Last modified: Mon Mar 08 10:03:52 1999
Job Code:

Printed: Mon Mar 08 10:35:49 1999

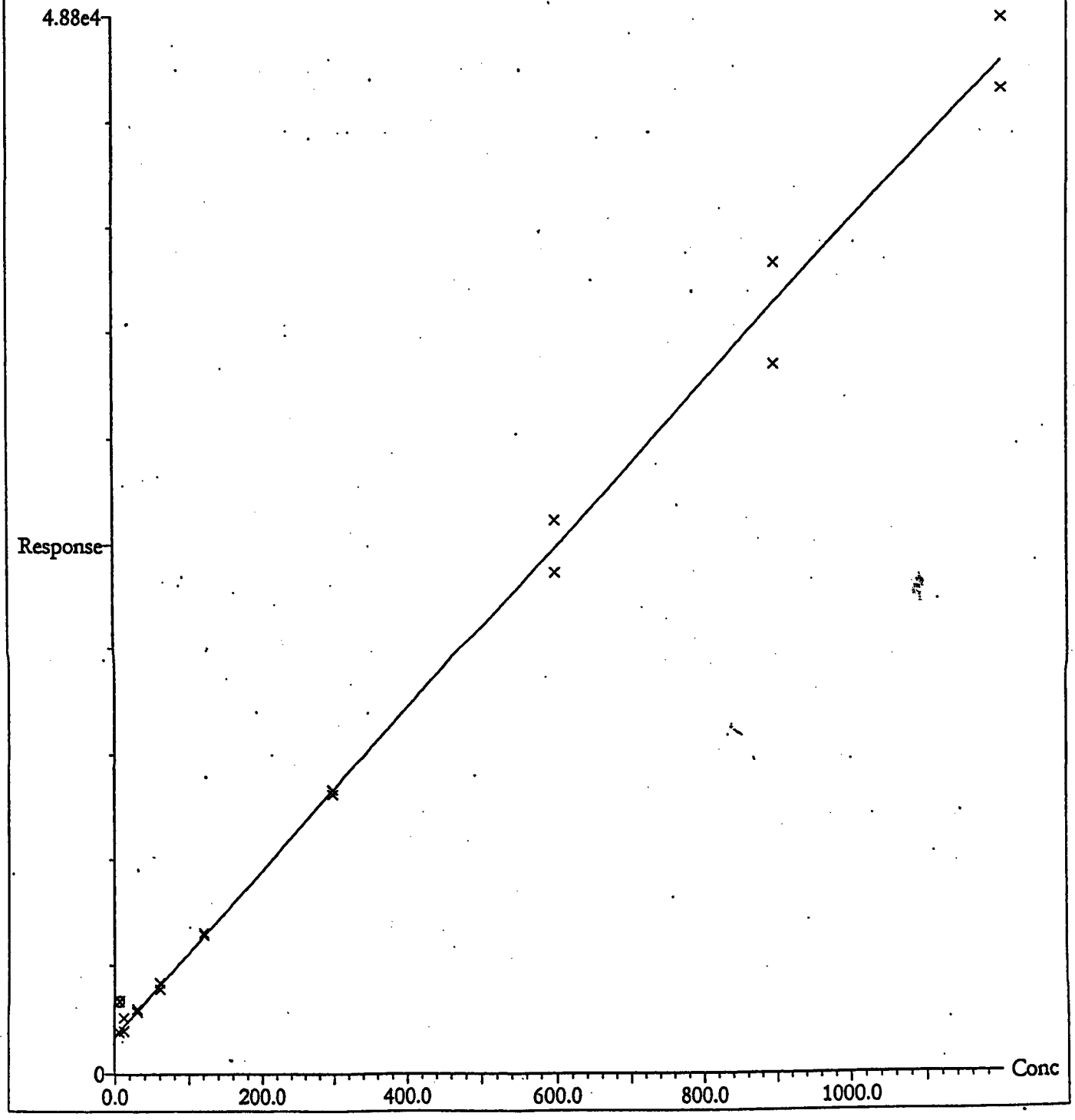
Compound 7: surr

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Dil.Fact.	Conc	Flags	%Dev
1	030199001	MeOH Blank	Analyt							
2	030199002	MeOH Blank	Analyt							
3	030199003	Tox 120, RBL02229-H2O Blk-1, 2/22/99	Analyt		7.334	494	1	0.41	MM	-59
4	030199004	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt		7.344	579	1	0.48	MM	-52
5	030199005	Tox 120, RBL02229-5ppb-1, 2/22/99	Standa	1.00	7.275	1017	1	0.85	MM	-15
6	030199006	Tox 120, RBL02229-10ppb-1, 2/22/99	Standa	1.00	7.277	1248	1	1.04	MM	4
7	030199007	Tox 120, RBL02229-25ppb-1, 2/22/99	Standa	1.00	7.302	1111	1	0.92	MM	-8
8	030199008	Tox 120, RBL02229-50ppb-1, 2/22/99	Standa	1.00	7.303	1149	1	0.95	MM	-5
9	030199009	Tox 120, RBL02229-100ppb-1, 2/22/99	Standa	1.00	7.315	1240	1	1.03	MM	3
10	030199010	Tox 120, RBL02229-250ppb-1, 2/22/99	Standa	1.00	7.299	1233	1	1.02	MM	2
11	030199011	Tox 120, RBL02229-500ppb-1, 2/22/99	Standa	1.00	7.249	1192	1	0.99	MM	-1
12	030199012	Tox 120, RBL02229-750ppb-1, 2/22/99	Standa	1.00	7.308	1245	1	1.03	MM	3
13	030199013	Tox 120, RBL02229-1000ppb-1, 2/22/99	Standa	1.00	7.297	1117	1	0.93	MM	-7
14	030199014	MeOH Blank	Analyt							
15	030199015	Tox 120 DNO. 125F-G2, 2/22/99 D5	Analyt							
16	030199016	Tox 120 DNO. 126F-G2, 2/22/99 D5	Analyt							
17	030199017	Tox 120 DNO. 127F-G2, 2/22/99 D5	Analyt							
18	030199018	Tox 120 DNO. 129F-G3, 2/22/99 D2	Analyt							
19	030199019	Tox 120 DNO. 130F-G3, 2/22/99 D2	Analyt							
20	030199020	Tox 120, RBL02229-250ppb-CC1, 2/22/99	QC	1.00	7.258	908	1	0.75	MM	-25
21	030199021	MeOH Blank	Analyt							
22	030199022	Tox 120 DNO. 131F-G3, 2/22/99 D2	Analyt							
23	030199023	Tox 120 DNO. 132F-G3, 2/22/99 D2	Analyt							
24	030199024	Tox 120 DNO. 133F-G3, 2/22/99 D2	Analyt							
25	030199025	Tox 120 DNO. 134F-G3, 2/22/99 D2	Analyt							
26	030199026	Tox 120 DNO. 135F-G3, 2/22/99 D2	Analyt							
27	030199027	Tox 120, RBL02229-250ppb-CC2, 2/22/99	QC	1.00	7.293	1063	1	0.88	MM	-12
28	030199028	MeOH Blank	Analyt							
29	030199029	Tox 120 DNO. 136F-G3, 2/22/99 D2	Analyt							
30	030199030	Tox 120 DNO. 137F-G3, 2/22/99 D2	Analyt							
31	030199031	Tox 120 DNO. 138F-G3, 2/22/99 D2	Analyt							
32	030199032	Tox 120 DNO. 139F-G3, 2/22/99 D2	Analyt							
33	030199033	Tox 120 DNO. 141F-G3, 2/22/99 D2	Analyt		7.245	491	1	0.41	MM	-59
34	030199034	Tox 120, RBL02229-250ppb-CC3, 2/22/99	QC	1.00						
35	030199035	MeOH Blank	Analyt							
36	030199036	Tox 120 DNO. 142F-G3, 2/22/99 D2	Analyt							
37	030199037	Tox 120 DNO. 143F-G3, 2/22/99 D2	Analyt							
38	030199038	Tox 120, RBL02229-250ppb-CC4, 2/22/99	QC	1.00						
39	030199039	MeOH Blank	Analyt							
40	030199040	Tox 120, 106F-G1-250ppb-MS, 2/22/99	Analyt							
41	030199041	Tox 120, 106F-G1-250ppb-MSD, 2/22/99	Analyt							
42	030199042	Tox 120, RBL02229-250ppb-CC5, 2/22/99	QC	1.00						
43	030199043	MeOH Blank	Analyt							
44	030199044	Tox 120, RBL02229-H2O Blk-2, 2/22/99	Analyt							
45	030199045	Tox 120, RBL02229-RBLiverBlk-1, 2/22/99	Analyt		7.275	1010	1	0.84	MM	-16
46	030199046	Tox 120, RBL02229-5ppb-2, 2/22/99	Standa	1.00	7.284	1172	1	0.97	MM	-3
47	030199047	Tox 120, RBL02229-10ppb-2, 2/22/99	Standa	1.00	7.302	1377	1	1.14	MM	14
48	030199048	Tox 120, RBL02229-25ppb-2, 2/22/99	Standa	1.00	7.286	1293	1	1.07	MM	7
49	030199049	Tox 120, RBL02229-50ppb-2, 2/22/99	Standa	1.00	7.300	1141	1	0.95	MM	-5
50	030199050	Tox 120, RBL02229-100ppb-2, 2/22/99	Standa	1.00	7.281	1408	1	1.17	MM	17
51	030199051	Tox 120, RBL02229-250ppb-2, 2/22/99	Standa	1.00	7.295	1341	1	1.11	MM	11
52	030199052	Tox 120, RBL02229-500ppb-2, 2/22/99	Standa	1.00	7.287	1198	1	1.00	MM	0
53	030199053	Tox 120, RBL02229-750ppb-2, 2/22/99	Standa	1.00	7.252	958	1	0.80	MM	-20
54	030199054	Tox 120, RBL02229-1000ppb-2, 2/22/99	Standa	1.00	7.234	1229	1	1.02	MM	2

Quantify Calibration Report
TOX 120 DNO Rat Liver Groups 2 & 3

Calibration: M:\rats.PRO\CurveDB\030199c
Last modified: Mon Mar 08 10:10:07 1999
Printed: Mon Mar 08 10:36:05 1999

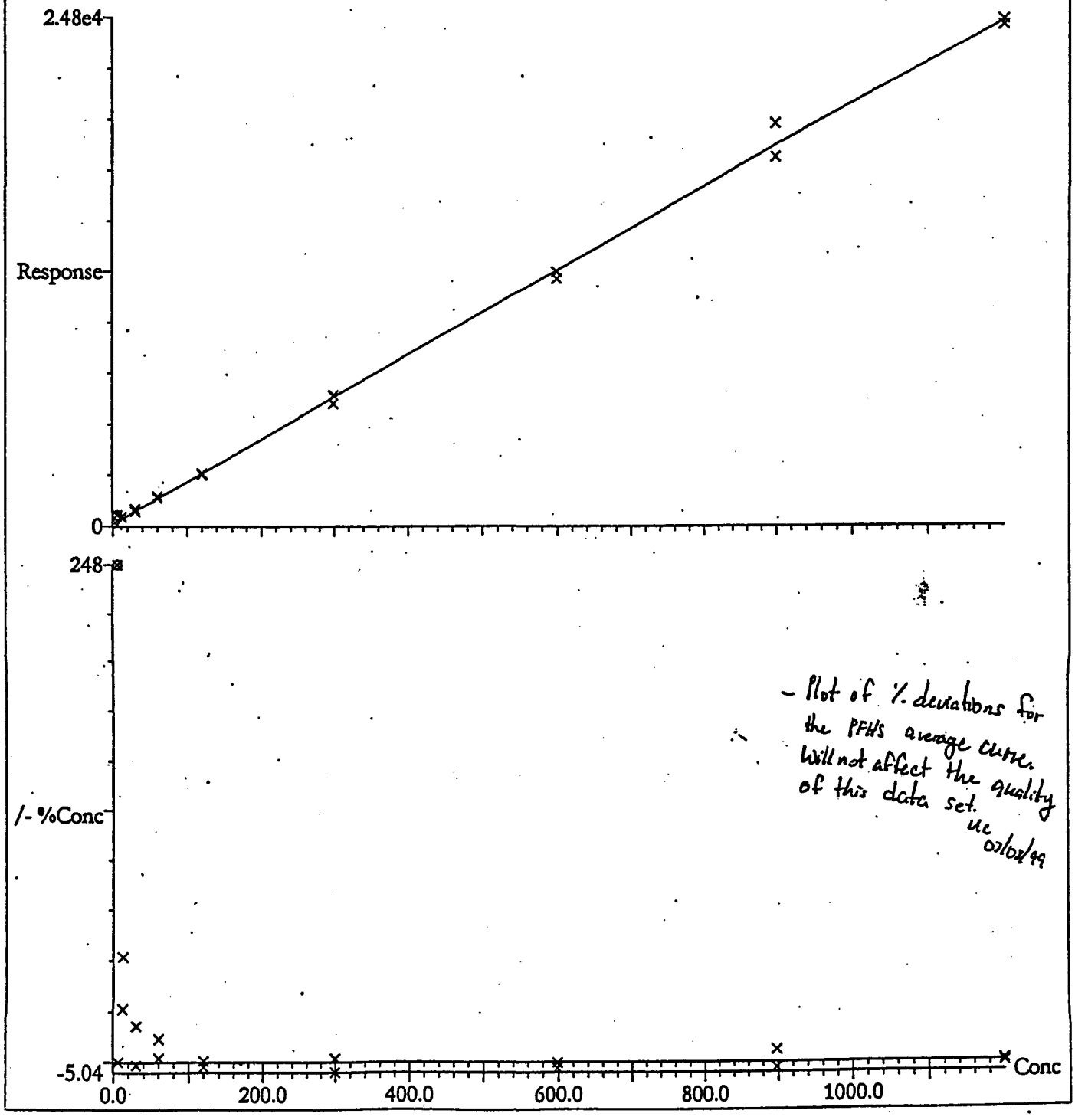
Compound 1 name: PFOS
Correlation coefficient: r = 0.997569, r^2 = 0.995144
Calibration curve: 37.6344 * x + 1719.03
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



madaline041098:: quantitated and printed 03/08/99 by dcb

Calibration: M:\rats.PRO\CurveDB\030199c
Last modified: Mon Mar 08 11:06:52 1999
Printed: Mon Mar 08 11:10:07 1999

Compound 2 name: PFHS
Correlation coefficient: r = 0.999248, r^2 = 0.998498
Calibration curve: 20.5223 * x + 97.3922
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



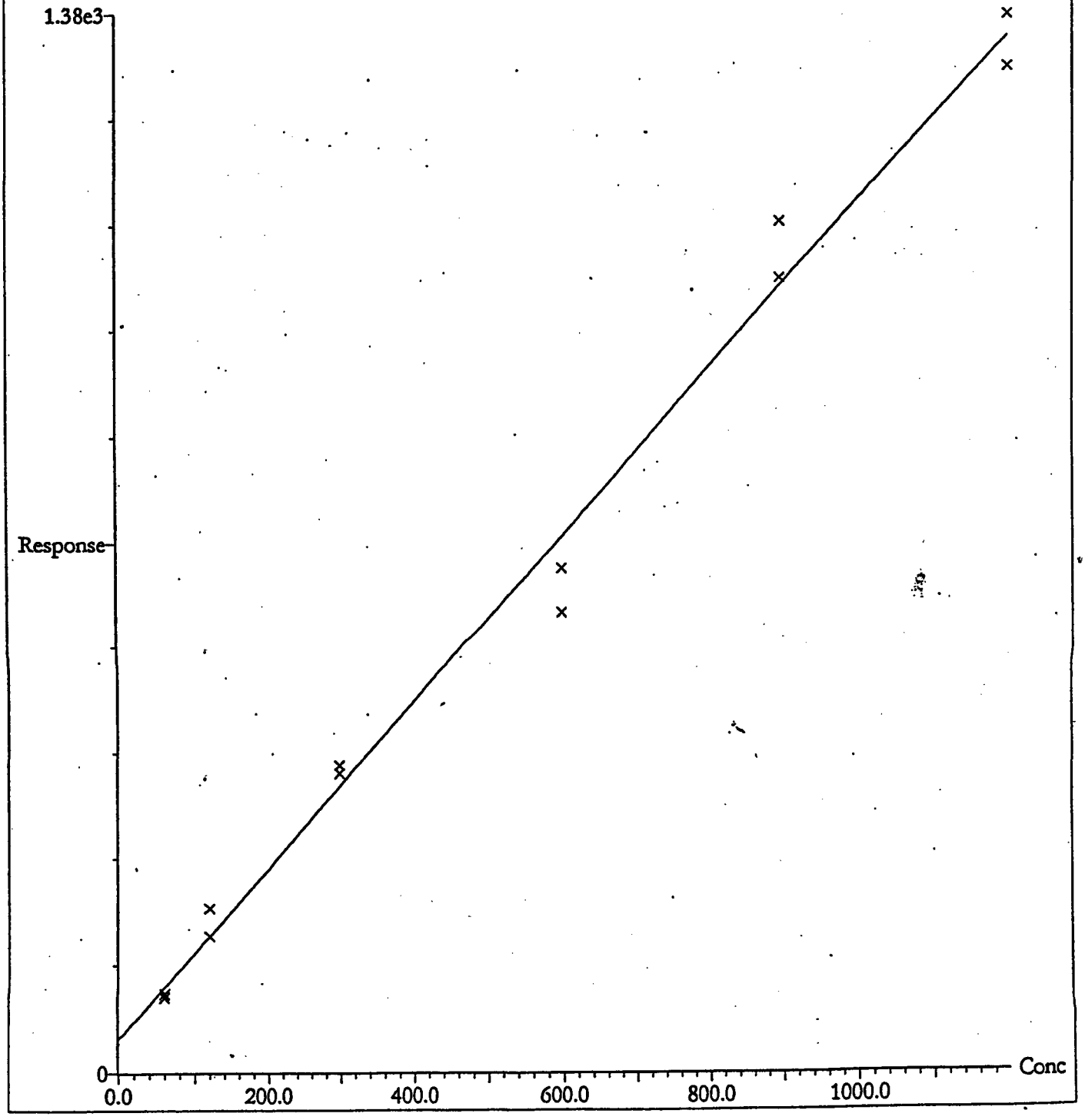
- Plot of % deviations for the PFHS average curve will not affect the quality of this data set.
uc 03/08/99

madeline041098:: quantitated and printed 03/08/99 by dxb

Quantify Calibration Report
TOX 120 DNO Rat Liver Groups 2 & 3

Calibration: M:\rats.PRO\CurveDB\030199c
Last modified: Mon Mar 08 10:10:07 1999
Printed: Mon Mar 08 10:36:05 1999

Compound 3 name:
Correlation coefficient: r = 0.995235, r^2 = 0.990494
Calibration curve: 1.09344 * x + 44.3843
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None

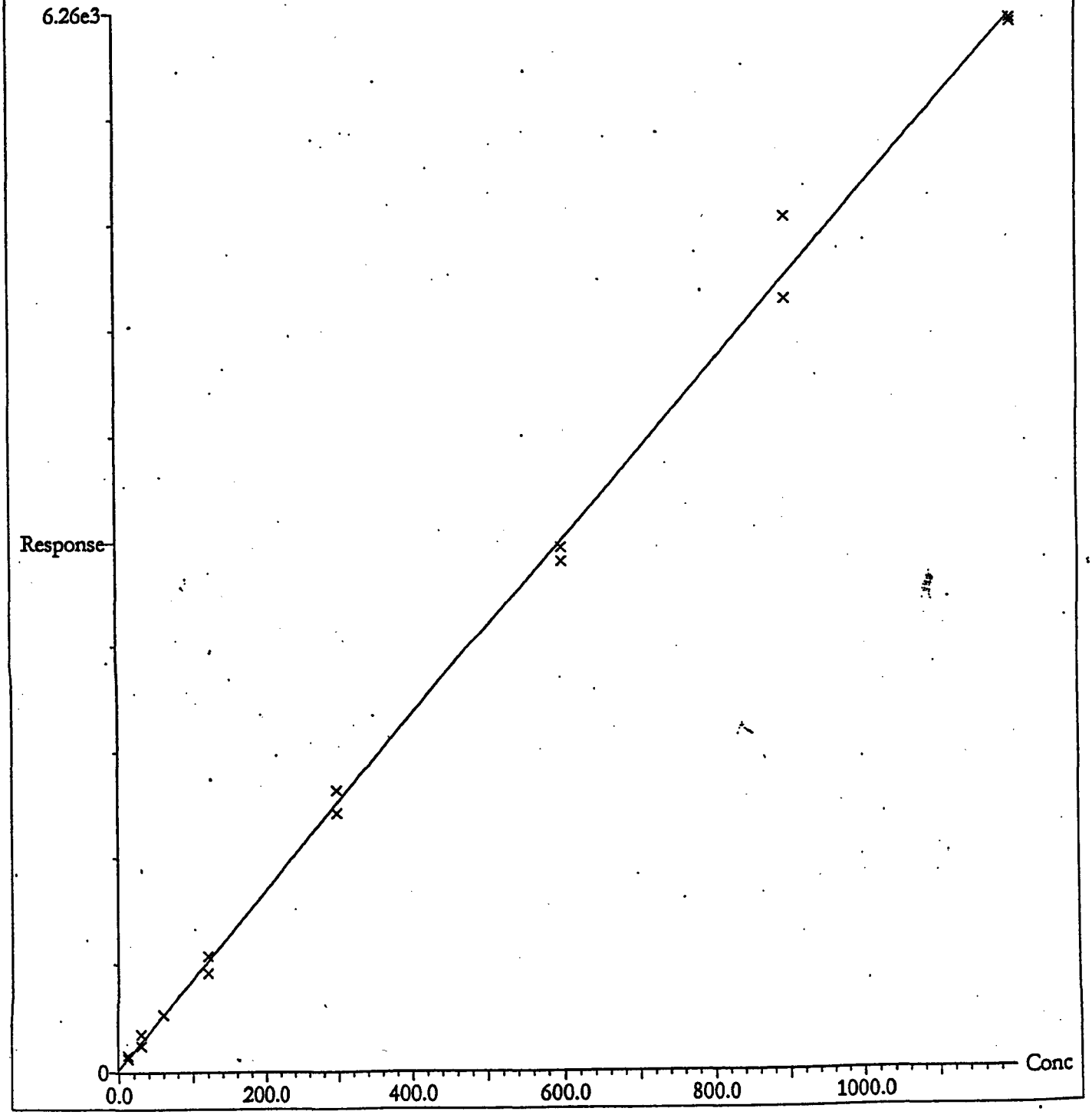


madaline041098:: quantitated and printed 03/08/99 by drb

Quantify Calibration Report
TOX 120 DNO Rat Liver Groups 2 & 3

Calibration: M:\rats.PRO\CurveDB\030199c
Last modified: Mon Mar 08 10:10:07 1999
Printed: Mon Mar 08 10:36:05 1999

Compound 4 name: POAA
Correlation coefficient: r = 0.998817, r^2 = 0.997636
Calibration curve: 5.20938 * x + 18.1144
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None

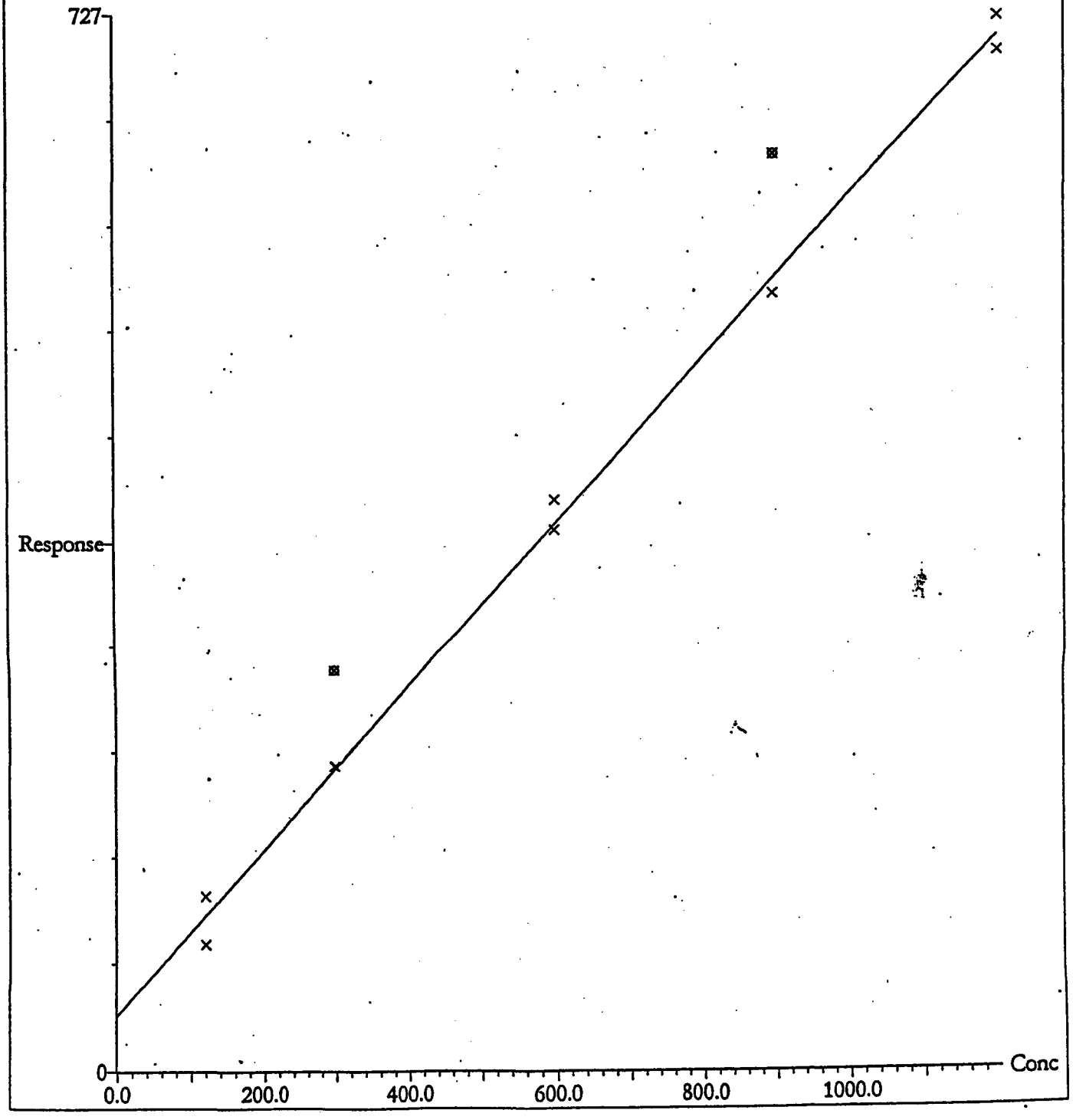


madeline041098:: quantitated and printed 03/08/99 by dcb

Quantify Calibration Report
TOX 120 DMO Rat Liver Groups 2 & 3

Calibration: M:\rats.PRO\CurveDB\030199c
Last modified: Mon Mar 08 10:10:07 1999
Printed: Mon Mar 08 10:36:05 1999

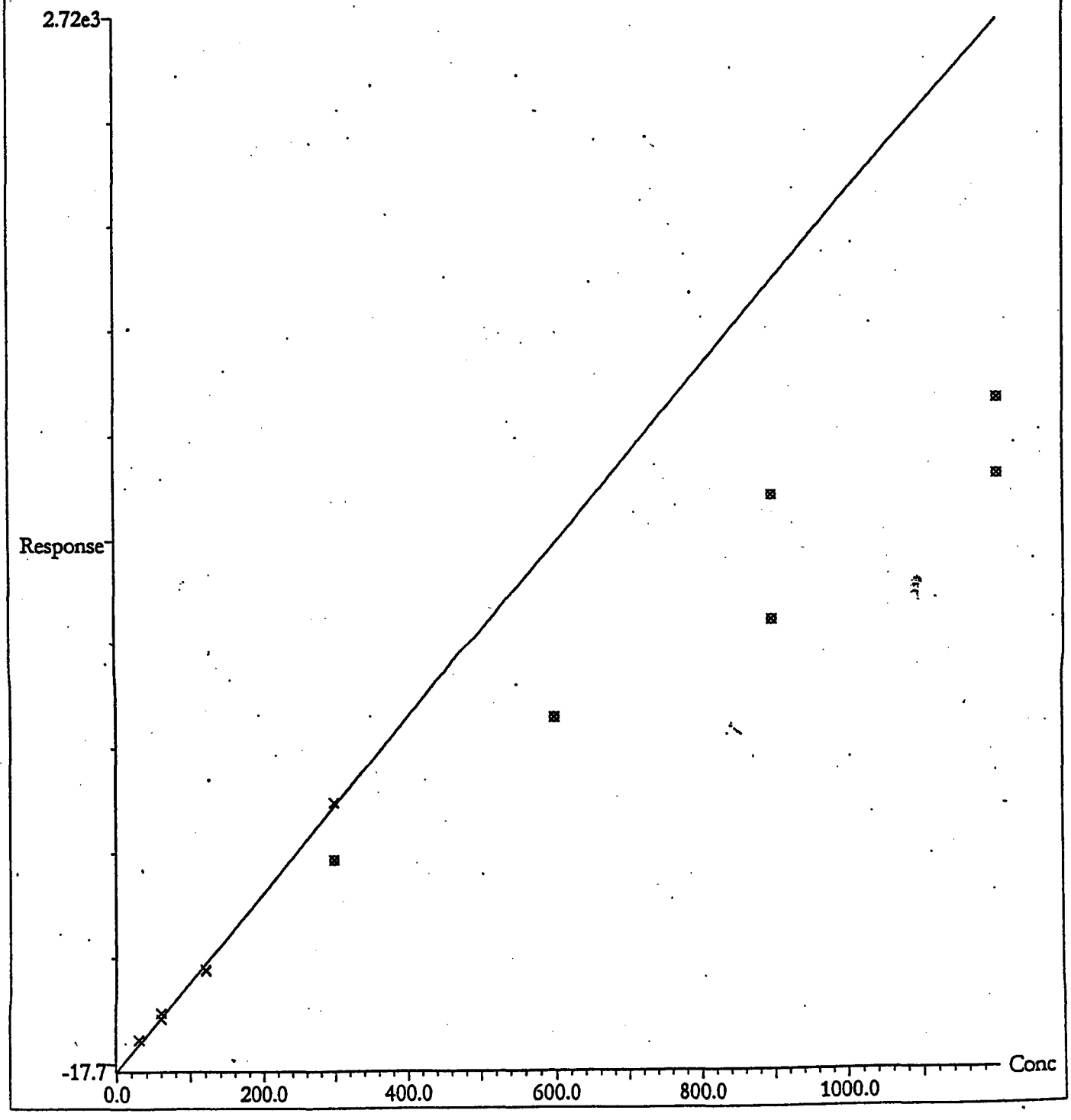
Compound 5 name: Telmer469
Correlation coefficient: r = 0.998530, r^2 = 0.997062
Calibration curve: 0.565020 * x + 37.7497
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



madaline041098:: quantitated and printed 03/08/99 by dxb

Calibration: M:\rats.PRO\CurveDB\030199c
Last modified: Mon Mar 08 10:10:07 1999
Printed: Mon Mar 08 10:36:05 1999

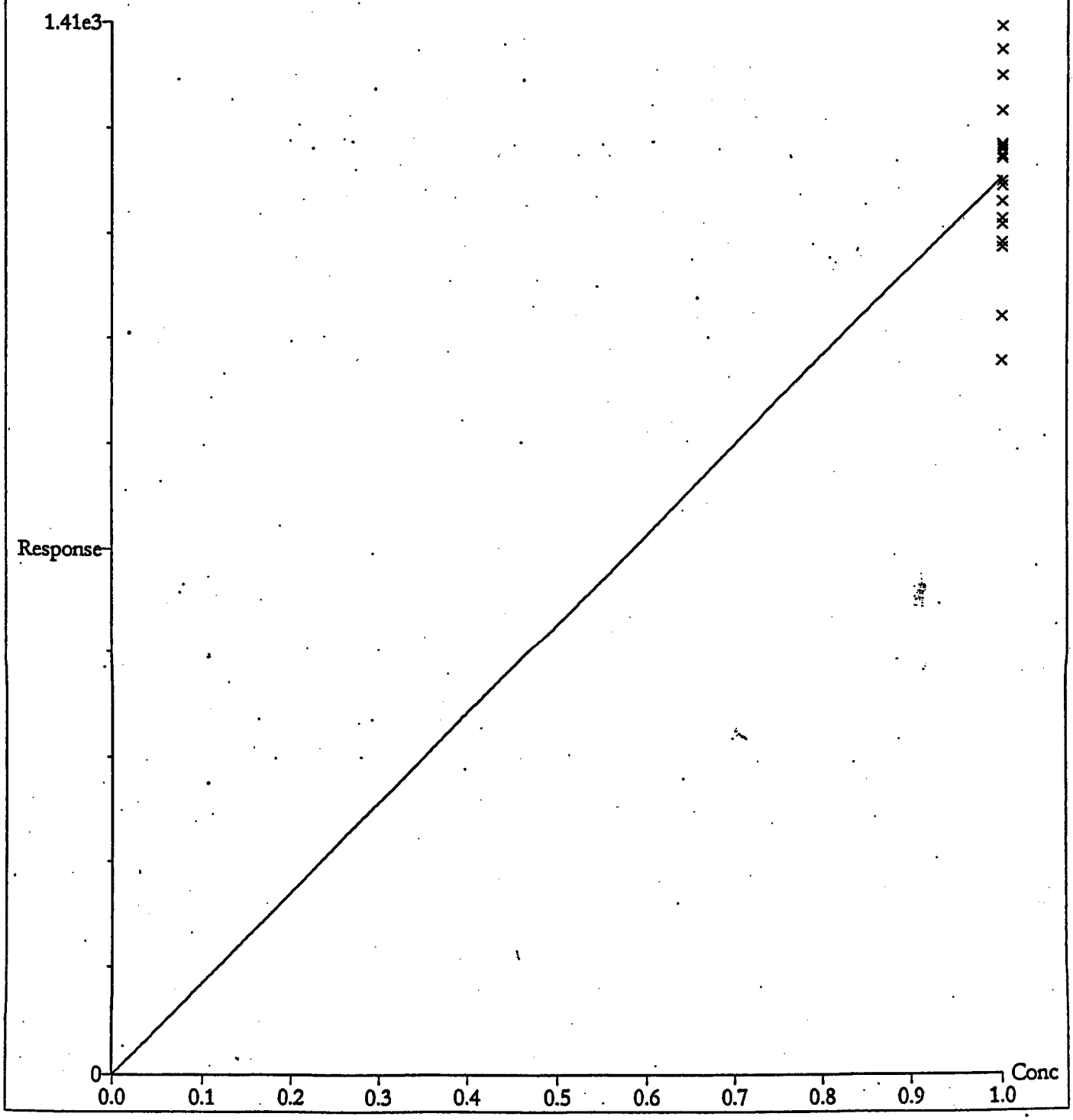
Compound 6 name: Telmer569
Correlation coefficient: r = 0.997982, r^2 = 0.995968
Calibration curve: 2.28567 * x + -17.6540
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



madeline041098:: quantitated and printed 03/08/99 by drb

Calibration: M:\rats.PRO\CurveDB\030199c
Last modified: Mon Mar 08 10:10:07 1999
Printed: Mon Mar 08 10:36:05 1999

Compound 7 name: surr
Response Factor: 1203.87
Response type: External Std, Area
Curve type: RF



madeline041098:: quantitated and printed 03/08/99 by drb

BACK TO MAIN

Method file: M:\rats.PRO\MethDB\030199c.mdb
Last modified: Mon Mar 08 10:03:52 1999

Compound: 1: PFOS

Printed: Mon Mar 08 10:40:02 1999

Madeline 041098 LAC 03/08/99

Compound Name: PFOS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 8.130, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.793

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 150

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

BACK TO MAIN

Method file: M:\rats.PRO\MethDB\030199c.mdb
Last modified: Mon Mar 08 10:03:52 1999

Compound: 2: PFHS

Printed: Mon Mar 08 10:40:02 1999

Madeline 041098 LAC 03/08/99

Compound Name: PFHS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 5.732, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 1.189

Peak Selection: Nearest

Response

Response Type: External
Response: Area

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 290

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 60.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

BACK TO MAIN

Method file: M:\rats.PRO\MethDB\030199c.mdb
Last modified: Mon Mar 08 10:03:52 1999

Compound: 3:

Printed: Mon Mar 08 10:40:02 1999

Madeline 041098 LAC 03/08/99

Compound Name:
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 4.183, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 1.000

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 169

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 80.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

BACK TO MAIN

Method Report

Method file: M:\rats.PRO\MethDB\030199c.mdb
Last modified: Mon Mar 08 10:03:52 1999

Compound: 4: POAA

Printed: Mon Mar 08 10:40:02 1999

Madeline 041098 LAC 03/08/99

Compound Name:	POAA
Internal Ref.:	[None]
Quantify Trace:	TIC
Conc. of Standards:	Conc. A
User RF Value:	1.000000, Disabled
User Peak Factor:	1.000000
Integrate Window Factor:	2.000

Peak Location

Retention Time (mins):	6.624, Enabled
Relative Retention Time:	0.000, Disabled
Time Window (mins):	1.000
Peak Selection:	Nearest

Response

Response Type:	External
Response:	Area

Calibration Curves

Polynomial Type:	Linear
Point of Origin:	Exclude
Fit Weighting:	None
Axis Transformation:	None

Concentration

Units:

Noise

Peak-to-peak amplitude: 187

Smooth

Smoothing:	Disabled
Window size (scans):	3
Number of smooths:	2
Smoothing method:	

Baselines

Join valley threshold:	20.00
Reduce peak tailing:	100.00
Raise baseline maximum:	0.00

Peak Separation

Draw vertical threshold:	10.00
Detect shoulders:	Disabled
Shoulder threshold:	40.00

Response Threshold

Relative height:	1.50, Disabled
Absolute height:	0.00, Disabled
Relative area:	2.00, Disabled
Absolute area:	80.00, Disabled

BACK TO MAIN

Method Report

Method file: M:\rats.PRO\MethDB\030199c.mdb
Last modified: Mon Mar 08 10:03:52 1999

Compound: 5: Telmer469

Printed: Mon Mar 08 10:40:02 1999

Madeline 040998 LAC 03/08/99

Compound Name: Telmer469
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 8.378, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 1.000

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 169

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

BACK TO MAIN

Method file: M:\rats.PRO\MethDB\030199c.mdb
Last modified: Mon Mar 08 10:03:52 1999

Compound: 6: Telmer569

Printed: Mon Mar 08 10:40:02 1999

Madeline 041098 LAC 03/08/99

Compound Name: Telmer569
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 9.416, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.500

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 169

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

BACK TO MAIN

Method file: M:\rats.PRO\MethDB\030199c.mdb
Last modified: Mon Mar 08 10:03:52 1999

Compound: 7: surr

Printed: Mon Mar 08 10:40:02 1999

Madeline 041098 LAC 03/08/99

Compound Name:	surr
Internal Ref.:	[None]
Quantify Trace:	TIC
Conc. of Standards:	Fixed
User RF Value:	1.000000, Disabled
User Peak Factor:	1.000000
Integrate Window Factor:	2.000

Peak Location

Retention Time (mins):	7.300, Enabled
Relative Retention Time:	0.000, Disabled
Time Window (mins):	1.000
Peak Selection:	Nearest

Response

Response Type:	External
Response:	Areas

Calibration Curves

Polynomial Type:	Linear
Point of Origin:	Exclude
Fit Weighting:	None
Axis Transformation:	None

Concentration

Units:

Noise

Peak-to-peak amplitude: 169

Smooth

Smoothing:	Disabled
Window size (scans):	3
Number of smooths:	2
Smoothing method:	

Baselines

Join valley threshold:	20.00
Reduce peak tailing:	100.00
Raise baseline maximum:	0.00

Peak Separation

Draw vertical threshold:	10.00
Detect shoulders:	Disabled
Shoulder threshold:	10.00

Response Threshold

Relative height:	1.50, Disabled
Absolute height:	0.00, Disabled
Relative area:	2.00, Disabled
Absolute area:	80.00, Enabled

BACK TO MAIN

AMELIA062498: FACT Equipment Log 98061 **PAGE_____**
Quattro II, #6448E

DATE: 03/16/99 hoj 3/16/99

ANALYST: hoj
STUDY NUMBER tox120. MATRIX: Rat liver DESCRIPTION: ion pair dilutions

FACT Method: FACT-M-4.0

Injection volume, 10 uL Cycle time: 13.5 min. Electrode: Z-Spray

Mobile Phase: (A) 2.0 mM NH4CH3CO2 (B) MeOH

TN-A- or stndrd number (A) 98094-15-20 (B) TN-A-2325

Prepared (date/by): (A) 3/16/99 hoj (B) 3/16/99 hoj

Expires: (A) 09/99 (B) 9/16/99

Store at room temp? [Y] or N Other:_____

Guard column: None

Part number: na Lot number: na

Analytical column: keystone betasil

Size: 2 x 100mm Type: c18 Sphere size: 5 um

Part number: 105-701-2 Lot number: P8HO8 Serial number: 029495D

Analytical parameters:

Drying gas (L/hr): 300 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 100 bar

HPLC solvent gradient: long2

Time (min.)	%B
1) 0.00	40
2) 8.5	90
3 11.0	90
5) 12.5	40
6) 13.5	40

BACK TO MAIN

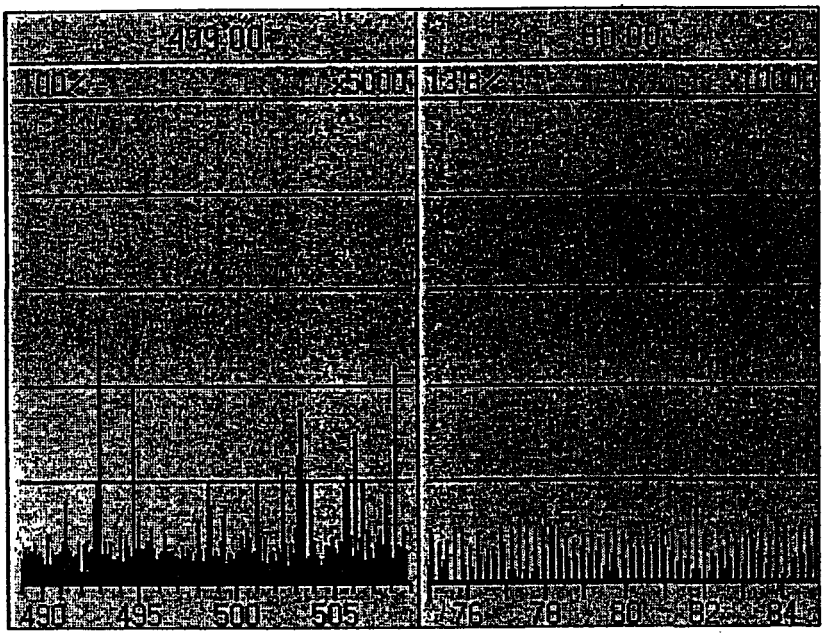
DBJ 3/16/99

Tuning Method Report

Method: C:\MASSLYNX\RATS2.PRO\ACQUDB\PFOS

Printed: Tue Mar 16 09:59:43 1999

Amelia 062498 LAC 05/10/99



MS Dau 499.00

SOURCE (ESP-)	Set	Rdbk
Capillary	3.00	2.99
Cone	60	-60
Extractor	5	-6
RF Lens	0.2	
Source Block Temp.	150	150
Desolvation Temp.	250	258

MS1	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 6	5	6
Multiplier	650	

Pressures	Rdbk
Analyser Vacuum	1.0e-4
Gas Cell	4.5e-3

MS2	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Collision	45	46
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 8	40	38
Lens 9	0	46
Multiplier	650	

BACK TO MAIN

DJS 3/16/99

Scanning Method Report

Method: C:\MASSLYNX\RAT52.PRO\ACQUDB\PFOS-PFHS-IS
Last Modified: Mon Mar 15 13:23:33 1999

Printed: Tue Mar 16 10:53:51 1999

Amelia 062498 LAC 05/10/99

Solvent Delay (mins) : 0.00

Function : 1 MRM of 4 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	499.00	80.00	0.40	45	60
2	499.00	99.00	0.40	45	60
3	499.00	130.00	0.40	45	60
4	499.00	180.00	0.40	45	60

Function : 2 MRM of 4 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	399.00	80.00	0.40	45	60
2	399.00	99.00	0.40	45	60
3	399.00	130.00	0.40	45	60
4	399.00	180.00	0.40	45	60

Function : 3 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	427.00	80.00	0.40	40	60

Hs 3/16/99

Masslynx - Sample List

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\031699b.SPL
Printed: Tue Mar 16 14:40:11 1999

Amelia 062498 LAC 05/10/99

	File Name	File Text	MS File	Inlet File	Bottle	Volume	Sam
1	031699001	MeOH Blank	PFOS-PFHS-IS	long2	91	10	Anal
2	031699002	MeOH Blank	PFOS-PFHS-IS	long2	91	10	Anal
3	031699003	Tox120, RBL02229-H2OBlk-2, 2/22/99	PFOS-PFHS-IS	long2	1	10	Anal
4	031699004	Tox120, RBL02229-LivBlk-2, 2/22/99	PFOS-PFHS-IS	long2	2	10	Anal
5	031699005	Tox120, RBL02229-5ppb-2, 2/22/99	PFOS-PFHS-IS	long2	3	10	Stan
6	031699006	Tox120, RBL02229-10ppb-2, 2/22/99	PFOS-PFHS-IS	long2	4	10	Stan
7	031699007	Tox120, RBL02229-25ppb-2, 2/22/99	PFOS-PFHS-IS	long2	5	10	Stan
8	031699008	Tox120, RBL02229-50ppb-2, 2/22/99	PFOS-PFHS-IS	long2	6	10	Stan
9	031699009	Tox120, RBL02229-100ppb-2, 2/22/99	PFOS-PFHS-IS	long2	7	10	Stan
10	031699010	Tox120, RBL02229-250ppb-2, 2/22/99	PFOS-PFHS-IS	long2	8	10	Stan
11	031699011	Tox120, RBL02229-500ppb-2, 2/22/99	PFOS-PFHS-IS	long2	9	10	Stan
12	031699012	Tox120, RBL02229-750ppb-2, 2/22/99	PFOS-PFHS-IS	long2	10	10	Stan
13	031699013	Tox120, RBL02229-1000ppb-2, 2/22/99	PFOS-PFHS-IS	long2	11	10	Stan
14	031699014	MeOH Blank	PFOS-PFHS-IS	long2	91	10	Anal
15	031699015	Tox120, 161F-G5, 2/22/99, d250	PFOS-PFHS-IS	long2	12	10	Anal
16	031699016	Tox120, 162F-G5, 2/22/99, d250	PFOS-PFHS-IS	long2	13	10	Anal
17	031699017	Tox120, 163F-G5, 2/22/99, d250	PFOS-PFHS-IS	long2	14	10	Anal
18	031699018	Tox120, 164F-G5, 2/22/99, d250	PFOS-PFHS-IS	long2	15	10	Anal
19	031699019	Tox120, 165F-G5, 2/22/99, d250	PFOS-PFHS-IS	long2	16	10	Anal
20	031699020	Tox120, RBL02229-250ppb-CC2, 2/22/99	PFOS-PFHS-IS	long2	82	10	QC
21	031699021	MeOH Blank	PFOS-PFHS-IS	long2	91	10	Anal
22	031699022	Tox120, 166F-G5, 2/22/99, d250	PFOS-PFHS-IS	long2	17	10	Anal
23	031699023	Tox120, 167F-G5, 2/22/99, d250	PFOS-PFHS-IS	long2	18	10	Anal
24	031699024	Tox120, 168F-G5, 2/22/99, d250	PFOS-PFHS-IS	long2	19	10	Anal
25	031699025	Tox120, RBL02229-250ppb-CC3, 2/22/99	PFOS-PFHS-IS	long2	83	10	QC
26	031699026	MeOH Blank	PFOS-PFHS-IS	long2	92	10	Ana
27	031699027	Tox120, 177F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	20	10	Ana
28	031699028	Tox120, 1787F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	21	10	Ana
29	031699029	Tox120, 179F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	22	10	Ana
30	031699030	Tox120, 180F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	23	10	Ana
31	031699031	Tox120, 181F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	24	10	Ana
32	031699032	Tox120, RBL02229-250ppb-CC4, 2/22/99	PFOS-PFHS-IS	long2	84	10	QC
33	031699033	MeOH Blank	PFOS-PFHS-IS	long2	92	10	Ana
34	031699034	Tox120, 182F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	25	10	Ana
35	031699035	Tox120, 183F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	26	10	Ana
36	031699036	Tox120, 184F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	27	10	Ana
37	031699037	Tox120, 185F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	28	10	Ana
38	031699038	Tox120, 186F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	29	10	Ana
39	031699039	Tox120, RBL02229-250ppb-CC5, 2/22/99	PFOS-PFHS-IS	long2	85	10	QC
40	031699040	MeOH Blank	PFOS-PFHS-IS	long2	92	10	Ana
41	031699041	Tox120, 187F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	30	10	Ana
42	031699042	Tox120, 189F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	31	10	Ana
43	031699043	Tox120, 190F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	32	10	Ana
44	031699044	Tox120, 191F-G6, 2/22/99, d1000	PFOS-PFHS-IS	long2	33	10	Ana
45	031699045	Tox120, RBL02229-250ppb-CC6, 2/22/99	PFOS-PFHS-IS	long2	86	10	QC
46	031699046	MeOH Blank	PFOS-PFHS-IS	long2	93	10	Ana
47	031699047	Tox120. 169F-G5, 2/22/99	PFOS-PFHS-IS	long2	34	10	Ana
48	031699048	Tox120. 170F-G5, 2/22/99	PFOS-PFHS-IS	long2	35	10	Ana
49	031699049	Tox120. 171F-G5, 2/22/99	PFOS-PFHS-IS	long2	36	10	Ana
50	031699050	Tox120, RBL02229-250ppb-CC5, 2/22/99	PFOS-PFHS-IS	long2	85	10	QC
51	031699051	MeOH Blank	PFOS-PFHS-IS	long2	94	10	Ana
52	031699052	Tox120. 173F-G5, 2/22/99	PFOS-PFHS-IS	long2	37	10	Ana
53	031699053	Tox120. 174F-G5, 2/22/99	PFOS-PFHS-IS	long2	38	10	Ana
54	031699054	Tox120. 175F-G5, 2/22/99	PFOS-PFHS-IS	long2	39	10	Ana
55	031699055	Tox120, RBL02229-250ppb-CC6, 2/22/99	PFOS-PFHS-IS	long2	86	10	QC
56	031699056	MeOH Blank	PFOS-PFHS-IS	long2	94	10	Ana
57	031699057	Tox120, RBL02229-H2OBlk-2, 2/22/99	PFOS-PFHS-IS	long2	1	10	Ana
58	031699058	Tox120, RBL02229-LivBlk-2, 2/22/99	PFOS-PFHS-IS	long2	2	10	Ana
59	031699059	Tox120, RBL02229-5ppb-2, 2/22/99	PFOS-PFHS-IS	long2	3	10	Sta
60	031699060	Tox120, RBL02229-10ppb-2, 2/22/99	PFOS-PFHS-IS	long2	4	10	Sta

BACK TO MAIN

3/16/99

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\031699b.SPL
Printed: Tue Mar 16 14:40:11 1999

Amelia 062498 LAC 05/10/99

	File Name	File Text	MS File	Inlet File	Bottle	Volume	Sam
61	031699061	Tox120, RBL02229-25ppb-2, 2/22/99	PFOS-PFHS-IS	long2	5	10	Stan
62	031699062	Tox120, RBL02229-50ppb-2, 2/22/99	PFOS-PFHS-IS	long2	6	10	Stan
63	031699063	Tox120, RBL02229-100ppb-2, 2/22/99	PFOS-PFHS-IS	long2	7	10	Stan
64	031699064	Tox120, RBL02229-250ppb-2, 2/22/99	PFOS-PFHS-IS	long2	8	10	Stan
65	031699065	Tox120, RBL02229-500ppb-2, 2/22/99	PFOS-PFHS-IS	long2	9	10	Stan
66	031699066	Tox120, RBL02229-750ppb-2, 2/22/99	PFOS-PFHS-IS	long2	10	10	Stan
67	031699067	Tox120, RBL02229-1000ppb-2, 2/22/99	PFOS-PFHS-IS	long2	11	10	Stan

BACK TO MAIN

FACT: DATA REVIEW SUMMARY FORM

Date: 3/17/99

Analyst: LAC

FACT Study Number TOX-120

Matrix Rat Liver

Time Points G6-PFOS, G5-PFHS

Dilutions? yes/no

Analyte 1: PFOS
1/x weighted linear curve
Acceptable Linear Range: 5.99 - 898 ppb
LOQ for this data set: 5.99 ppb
Re-evaluated for different range? No

Analyte 2: PFHS
1/x weighted linear curve
Acceptable Linear Range: 5.99 - 898 ppb
LOQ for this data set: 5.99 ppb
Re-evaluated for different range? No

Analyte 3:
Acceptable Linear Range: 05/10/99
LOQ for this data set: LAC
Re-evaluated for different range?

Analyte 4:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Analyte 5:
Acceptable Linear Range:
LOQ for this data set: 05/10/99
Re-evaluated for different range?

Analyte 6:
Acceptable Linear Range:
LOQ for this data set: LAC
Re-evaluated for different range?

Analyte 7:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Note: PFOS & PFHS were integrated separately LAC 03/17/99

BACK TO MAIN

Quantify Compound Summary Report
TOX120 Rat Liver Group 5 and 6

Sample List: G:\rats2.PRO\SampleDB\031699b
Last modified: Wed Mar 17 13:54:10 1999
Method: G:\rats2.PRO\MethDB\031699b
Last modified: Wed Mar 17 06:56:20 1999
Job Code:

Printed: Wed Mar 17 14:33:58 1999

Compound 1: PFOS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	031699001	MeOH Blank	Analy		8.474	8749	8749.32	172.09	bb	
2	031699002	MeOH Blank	Analy		9.067	114	114.33	0.00	bb	
3	031699003	Tox120, RBL02229-H2OBlk-2, 2/22/99	Analy		9.026	318	317.81	0.00	bb	
4	031699004	Tox120, RBL02229-LivBlk-2, 2/22/99	Analy		9.096	378	378.28	0.00	bb	
5	031699005	Tox120, RBL02229-5ppb-2, 2/22/99	Stand	5.99	9.084	777	777.34	5.39	MM	-10
6	031699006	Tox120, RBL02229-10ppb-2, 2/22/99	Stand	12.00	9.033	1043	1043.01	10.94	bb	-9
7	031699007	Tox120, RBL02229-25ppb-2, 2/22/99	Stand	29.90	9.020	1973	1973.20	30.39	bb	2
8	031699008	Tox120, RBL02229-50ppb-2, 2/22/99	Stand	59.90	8.969	3368	3368.08	59.56	bb	-1
9	031699009	Tox120, RBL02229-100ppb-2, 2/22/99	Stand	120.00	9.029	6297	6297.05	120.81	bb	1
10	031699010	Tox120, RBL02229-250ppb-2, 2/22/99	Stand	299.00	9.033	15755	15754.60	318.57	bb	7
11	031699011	Tox120, RBL02229-500ppb-2, 2/22/99	Stand	599.00	9.036	29424	29423.97	604.41	MM	1
12	031699012	Tox120, RBL02229-750ppb-2, 2/22/99	Stand	898.00	9.034	39984	39983.57	825.22	bb	-8
13	031699013	Tox120, RBL02229-1000ppb-2, 2/22/99	Stand	1198.00	8.977	62763	62762.84	1301.55	bbX	9
14	031699014	MeOH Blank	Analy		8.973	128	128.18	0.00	MM	
15	031699015	Tox120, 161F-G5, 2/22/99, d250	Analy		9.103	253	253.39	0.00	bb	
16	031699016	Tox120, 162F-G5, 2/22/99, d250	Analy							
17	031699017	Tox120, 163F-G5, 2/22/99, d250	Analy		9.060	65	64.63	0.00	bb	
18	031699018	Tox120, 164F-G5, 2/22/99, d250	Analy		9.114	96	95.67	0.00	bb	
19	031699019	Tox120, 165F-G5, 2/22/99, d250	Analy		9.101	128	128.38	0.00	bb	
20	031699020	Tox120, RBL02229-250ppb-CC2, 2/22/99	QC	299.00	9.058	9673	9673.44	191.41	MM	-36
21	031699021	MeOH Blank	Analy		9.070	243	242.96	0.00	bb	
22	031699022	Tox120, 166F-G5, 2/22/99, d250	Analy		9.066	165	164.97	0.00	bb	
23	031699023	Tox120, 167F-G5, 2/22/99, d250	Analy		9.070	262	262.30	0.00	bb	
24	031699024	Tox120, 168F-G5, 2/22/99, d250	Analy		9.068	45	44.42	0.00	bb	
25	031699025	Tox120, RBL02229-250ppb-CC3, 2/22/99	QC	299.00	9.063	12476	12476.30	250.02	bb	-16
26	031699026	MeOH Blank D	Analy		8.805	28	28.42	0.00	bb	
27	031699027	Tox120, 177F-G6, 2/22/99, d1000	Analy		9.066	18135	18134.95	368.35	MM	
28	031699028	Tox120, 178F-G6, 2/22/99, d1000	Analy		9.057	18935	18935.20	385.08	bb	
29	031699029	Tox120, 179F-G6, 2/22/99, d1000	Analy		9.065	19227	19226.52	391.17	bb	
30	031699030	Tox120, 180F-G6, 2/22/99, d1000	Analy		9.060	18644	18644.16	379.00	MM	
31	031699031	Tox120, 181F-G6, 2/22/99, d1000	Analy		9.057	20438	20437.57	416.50	MM	
32	031699032	Tox120, RBL02229-250ppb-CC4, 2/22/99	QC	299.00	9.061	11041	11040.82	220.00	MM	-26
33	031699033	MeOH Blank	Analy		9.056	45	45.17	0.00	bb	
34	031699034	Tox120, 182F-G6, 2/22/99, d1000	Analy		9.064	19755	19754.86	402.22	MM	
35	031699035	Tox120, 183F-G6, 2/22/99, d1000	Analy		9.056	16765	16764.61	339.69	MM	
36	031699036	Tox120, 184F-G6, 2/22/99, d1000	Analy		9.051	16092	16091.88	325.63	bb	
37	031699037	Tox120, 185F-G6, 2/22/99, d1000	Analy		9.056	10923	10923.35	217.55	MM	
38	031699038	Tox120, 186F-G6, 2/22/99, d1000	Analy		9.005	13246	13245.65	266.11	bb	
39	031699039	Tox120, RBL02229-250ppb-CC5, 2/22/99	QC	299.00	9.062	11816	11815.78	236.21	bb	-21
40	031699040	MeOH Blank	Analy		9.001	155	155.06	0.00	bb	
41	031699041	Tox120, 187F-G6, 2/22/99, d1000	Analy		9.075	11727	11727.19	234.36	bb	
42	031699042	Tox120, 189F-G6, 2/22/99, d1000	Analy		9.032	9219	9219.46	181.92	MM	
43	031699043	Tox120, 190F-G6, 2/22/99, d1000	Analy		9.085	9388	9388.04	185.44	MM	
44	031699044	Tox120, 191F-G6, 2/22/99, d1000	Analy		9.040	10457	10457.05	207.80	MM	
45	031699045	Tox120, RBL02229-250ppb-CC6, 2/22/99	QC	299.00	9.035	10389	10389.20	206.38	MM	-31
46	031699046	MeOH Blank	Analy							
47	031699047	Tox120. 169F-G5, 2/22/99	Analy		9.031	3257	3257.20	57.24	bb	
48	031699048	Tox120. 170F-G5, 2/22/99	Analy		8.907	3363	3362.65	59.45	bb	
49	031699049	Tox120. 171F-G5, 2/22/99	Analy		8.914	2407	2407.33	39.47	bb	
50	031699050	Tox120, RBL02229-250ppb-CC5, 2/22/99	QC	299.00	8.907	13894	13893.83	279.66	bb	-6
51	031699051	MeOH Blank	Analy		8.976	121	120.93	0.00	bb	
52	031699052	Tox120. 173F-G5, 2/22/99	Analy		8.975	3473	3473.23	61.76	bb	
53	031699053	Tox120. 174F-G5, 2/22/99	Analy		8.920	2677	2677.29	45.12	bb	
54	031699054	Tox120. 175F-G5, 2/22/99	Analy		8.918	5396	5396.21	101.97	bb	
55	031699055	Tox120, RBL02229-250ppb-CC6, 2/22/99	QC	299.00	8.908	12660	12660.21	253.87	bb	-15
56	031699056	MeOH Blank	Analy		9.045	49	49.26	0.00	bb	
57	031699057	Tox120, RBL02229-H2OBlk-2, 2/22/99	Analy		8.977	304	303.77	0.00	bb	
58	031699058	Tox120, RBL02229-LivBlk-2, 2/22/99	Analy		8.971	329	328.82	0.00	bb	
59	031699059	Tox120, RBL02229-5ppb-2, 2/22/99	Stand	5.99	8.968	768	767.69	5.19	MM	-13
60	031699060	Tox120, RBL02229-10ppb-2, 2/22/99	Stand	12.00	8.898	1172	1172.49	13.65	bb	14
61	031699061	Tox120, RBL02229-25ppb-2, 2/22/99	Stand	29.90	8.967	1988	1988.14	30.71	bb	3
62	031699062	Tox120, RBL02229-50ppb-2, 2/22/99	Stand	59.90	8.907	3354	3353.64	59.26	bb	-1
63	031699063	Tox120, RBL02229-100ppb-2, 2/22/99	Stand	120.00	8.969	6672	6672.19	128.65	bb	7
64	031699064	Tox120, RBL02229-250ppb-2, 2/22/99	Stand	299.00	8.910	15526	15526.06	313.79	bb	5
65	031699065	Tox120, RBL02229-500ppb-2, 2/22/99	Stand	599.00	8.900	29963	29962.79	615.68	bb	3
66	031699066	Tox120, RBL02229-750ppb-2, 2/22/99	Stand	898.00	8.918	43816	43815.88	905.35	bb	1
67	031699067	Tox120, RBL02229-1000ppb-2, 2/22/99	Stand	1198.00	8.971	62400	62399.96	1293.96	bbX	8

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D RE LAC 03/17/99

Amelia 062498 quantitated and printed on 03/17/99 by LAC

BACK TO MAIN

Quantify Compound Summary Report
TOX120 Rat Liver Group 5 and 6

Sample List: G:\rats2.PRO\SampleDB\031699b
Last modified: Wed Mar 17 13:54:10 1999
Method: G:\rats2.PRO\MethDB\031699b
Last modified: Wed Mar 17 06:56:20 1999
Job Code:

Printed: Wed Mar 17 14:33:58 1999

Compound 2: Surr

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	031699001	MeOH Blank	Analy							
2	031699002	MeOH Blank	Analy							
3	031699003	Tox120, RBLO2229-H2OBlk-2, 2/22/99	Analy		8.412	684	684.42	0.41	bb	-59
4	031699004	Tox120, RBLO2229-LivBlk-2, 2/22/99	Analy							
5	031699005	Tox120, RBLO2229-5ppb-2, 2/22/99	Stand	1.00	8.404	2274	2274.17	1.37	bb	37
6	031699006	Tox120, RBLO2229-10ppb-2, 2/22/99	Stand	1.00	8.420	2907	2906.68	1.75	bb	75
7	031699007	Tox120, RBLO2229-25ppb-2, 2/22/99	Stand	1.00	8.404	2500	2499.85	1.51	bb	51
8	031699008	Tox120, RBLO2229-50ppb-2, 2/22/99	Stand	1.00	8.354	2189	2189.27	1.32	bb	32
9	031699009	Tox120, RBLO2229-100ppb-2, 2/22/99	Stand	1.00	8.413	1931	1931.02	1.16	bb	16
10	031699010	Tox120, RBLO2229-250ppb-2, 2/22/99	Stand	1.00	8.354	2004	2004.23	1.21	bb	21
11	031699011	Tox120, RBLO2229-500ppb-2, 2/22/99	Stand	1.00	8.358	1623	1622.84	0.98	bb	-2
12	031699012	Tox120, RBLO2229-750ppb-2, 2/22/99	Stand	1.00	8.354	1549	1548.68	0.93	bb	-7
13	031699013	Tox120, RBLO2229-1000ppb-2, 2/22/99	Stand	1.00	8.361	1775	1774.97	1.07	bb	7
14	031699014	MeOH Blank	Analy		8.356	48	47.58	0.03	bb	-97
15	031699015	Tox120, 161F-G5, 2/22/99, d250	Analy							
16	031699016	Tox120, 162F-G5, 2/22/99, d250	Analy							
17	031699017	Tox120, 163F-G5, 2/22/99, d250	Analy							
18	031699018	Tox120, 164F-G5, 2/22/99, d250	Analy							
19	031699019	Tox120, 165F-G5, 2/22/99, d250	Analy		8.290	12	12.14	0.01	bb	-99
20	031699020	Tox120, RBLO2229-250ppb-CC2, 2/22/99	QC	1.00	8.378	737	736.68	0.44	bb	-56
21	031699021	MeOH Blank	Analy		8.453	7	7.06	0.00	bb	-100
22	031699022	Tox120, 166F-G5, 2/22/99, d250	Analy							
23	031699023	Tox120, 167F-G5, 2/22/99, d250	Analy							
24	031699024	Tox120, 168F-G5, 2/22/99, d250	Analy							
25	031699025	Tox120, RBLO2229-250ppb-CC3, 2/22/99	QC	1.00	8.379	1174	1173.91	0.71	bb	-29
26	031699026	MeOH Blank	Analy		8.384	9	8.97	0.01	bb	-99
27	031699027	Tox120, 177F-G6, 2/22/99, d1000	Analy		8.384	10	9.59	0.01	bb	-99
28	031699028	Tox120, 178F-G6, 2/22/99, d1000	Analy							
29	031699029	Tox120, 179F-G6, 2/22/99, d1000	Analy		8.123	14	14.36	0.01	bb	-99
30	031699030	Tox120, 180F-G6, 2/22/99, d1000	Analy							
31	031699031	Tox120, 181F-G6, 2/22/99, d1000	Analy							
32	031699032	Tox120, RBLO2229-250ppb-CC4, 2/22/99	QC	1.00	8.380	982	981.80	0.59	bb	-41
33	031699033	MeOH Blank	Analy							
34	031699034	Tox120, 182F-G6, 2/22/99, d1000	Analy							
35	031699035	Tox120, 183F-G6, 2/22/99, d1000	Analy		7.984	9	9.15	0.01	bb	-99
36	031699036	Tox120, 184F-G6, 2/22/99, d1000	Analy							
37	031699037	Tox120, 185F-G6, 2/22/99, d1000	Analy							
38	031699038	Tox120, 186F-G6, 2/22/99, d1000	Analy							
39	031699039	Tox120, RBLO2229-250ppb-CC5, 2/22/99	QC	1.00	8.446	955	955.41	0.58	bb	-42
40	031699040	MeOH Blank	Analy							
41	031699041	Tox120, 187F-G6, 2/22/99, d1000	Analy							
42	031699042	Tox120, 189F-G6, 2/22/99, d1000	Analy							
43	031699043	Tox120, 190F-G6, 2/22/99, d1000	Analy							
44	031699044	Tox120, 191F-G6, 2/22/99, d1000	Analy							
45	031699045	Tox120, RBLO2229-250ppb-CC6, 2/22/99	QC	1.00	8.355	741	740.87	0.45	bb	-55
46	031699046	MeOH Blank	Analy							
47	031699047	Tox120. 169F-G5, 2/22/99	Analy		8.418	1213	1213.32	0.73	bb	-27
48	031699048	Tox120. 170F-G5, 2/22/99	Analy		8.228	601	600.53	0.36	bb	-64
49	031699049	Tox120. 171F-G5, 2/22/99	Analy		8.235	617	616.93	0.37	bb	-63
50	031699050	Tox120, RBLO2229-250ppb-CC5, 2/22/99	QC	1.00	8.294	809	809.04	0.49	bb	-51
51	031699051	MeOH Blank	Analy							
52	031699052	Tox120. 173F-G5, 2/22/99	Analy		8.361	1236	1235.83	0.74	bb	-26
53	031699053	Tox120. 174F-G5, 2/22/99	Analy		8.303	706	706.35	0.43	bb	-57
54	031699054	Tox120. 175F-G5, 2/22/99	Analy		8.301	658	657.72	0.40	bb	-60
55	031699055	Tox120, RBLO2229-250ppb-CC6, 2/22/99	QC	1.00	8.230	623	623.03	0.38	bb	-62
56	031699056	MeOH Blank	Analy							
57	031699057	Tox120, RBLO2229-H2OBlk-2, 2/22/99	Analy		8.359	1229	1229.39	0.74	bb	-26
58	031699058	Tox120, RBLO2229-LivBlk-2, 2/22/99	Analy		8.359	1222	1221.94	0.74	bb	-26
59	031699059	Tox120, RBLO2229-5ppb-2, 2/22/99	Stand	1.00	8.290	1139	1138.70	0.69	bb	-31
60	031699060	Tox120, RBLO2229-10ppb-2, 2/22/99	Stand	1.00	8.285	1567	1567.05	0.94	bb	-6
61	031699061	Tox120, RBLO2229-25ppb-2, 2/22/99	Stand	1.00	8.289	1317	1317.43	0.79	bb	-21
62	031699062	Tox120, RBLO2229-50ppb-2, 2/22/99	Stand	1.00	8.289	1190	1189.57	0.72	bb	-28
63	031699063	Tox120, RBLO2229-100ppb-2, 2/22/99	Stand	1.00	8.357	1278	1277.63	0.77	bb	-23
64	031699064	Tox120, RBLO2229-250ppb-2, 2/22/99	Stand	1.00	8.295	1211	1211.23	0.73	bb	-27
65	031699065	Tox120, RBLO2229-500ppb-2, 2/22/99	Stand	1.00	8.286	1102	1102.30	0.66	bb	-34
66	031699066	Tox120, RBLO2229-750ppb-2, 2/22/99	Stand	1.00	8.304	1179	1178.81	0.71	bb	-29
67	031699067	Tox120, RBLO2229-1000ppb-2, 2/22/99	Stand	1.00	8.292	1136	1135.66	0.68	bb	-32

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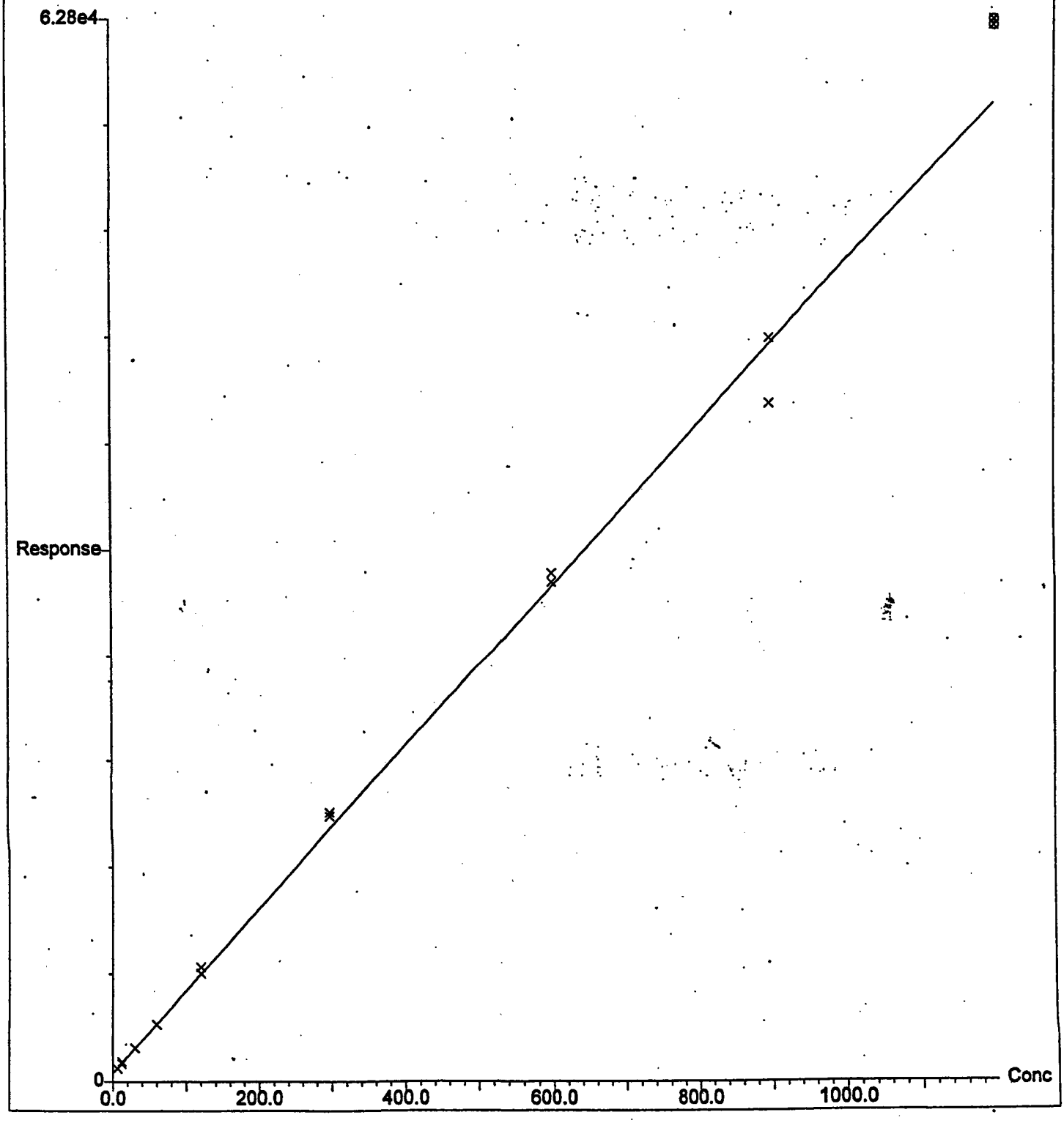
Amelia 062498 quantitated and printed on 03/17/99 by LAC

Quantify Calibration Report
TOX120 Rat Liver Group 5 and 6

Calibration: G:\rats2.PRO\CurveDB\031699b
Last modified: Wed Mar 17 14:37:10 1999
Printed: Wed Mar 17 14:34:29 1999

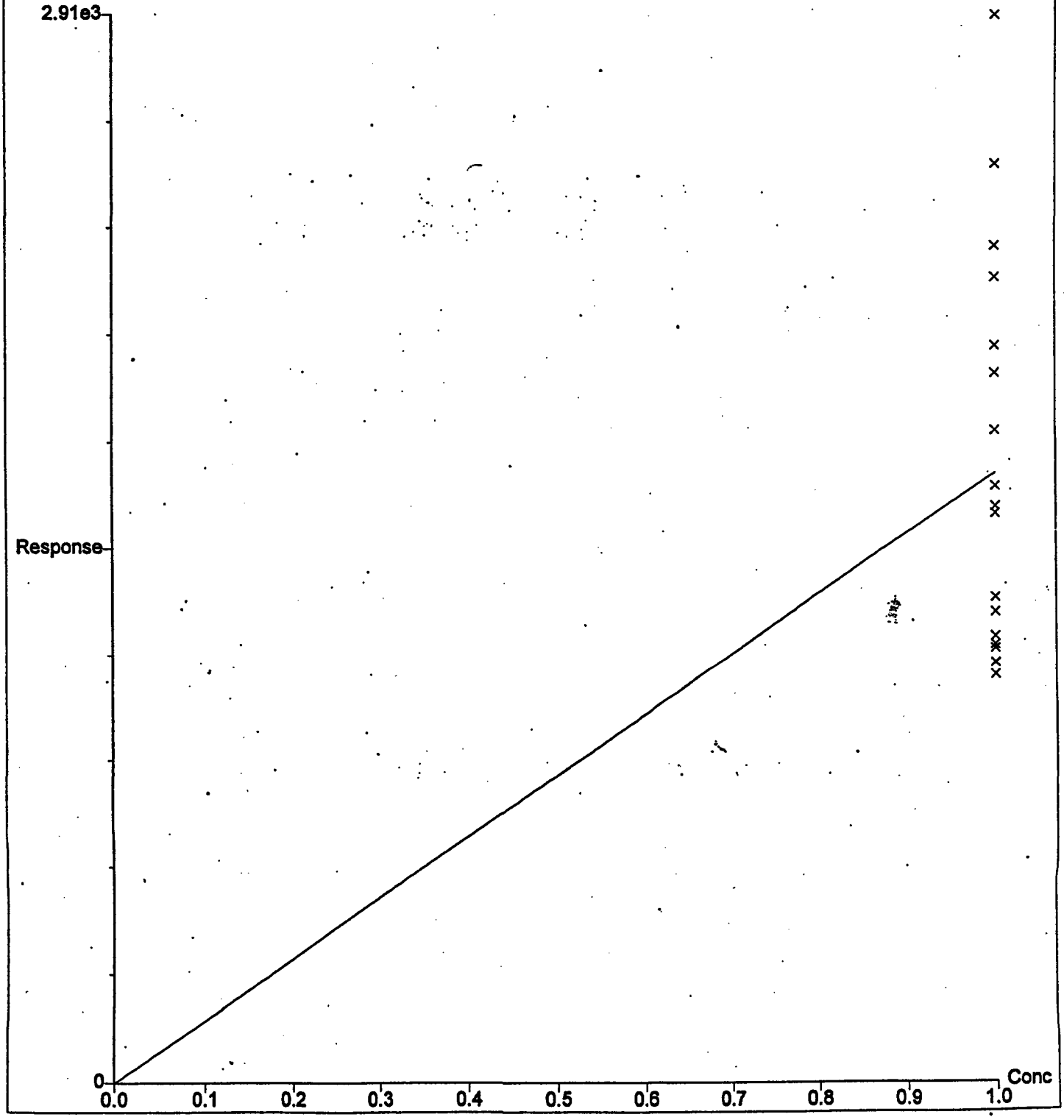
Compound 1 name: PFOS
Coefficient of Determination: 0.995660
Calibration curve: 47.8224 * x + 519.658
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Amalia 062498 quantitated and printed on 03/17/99 by LAC

Calibration: G:\rats2.PRO\CurveDB\031699b
Last modified: Wed Mar 17 14:37:10 1999
Printed: Wed Mar 17 14:34:29 1999

Compound 2 name: Surr
Response Factor: 1659.45
Response type: External Std, Area
Curve type: RF



Amelia 062498 quantitated and printed on 03/17/99 by LAC

BACK TO MAIN

Method Report

Method file: G:\rats2.PRO\MethDB\031699b.mdb
Last modified: Wed Mar 17 06:56:20 1999

Compound: 1: PFOS

Printed: Wed Mar 17 13:11:29 1999

Amelia 062498 LAC 03/17/99

Compound Name: PFOS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 8.845, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.717

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Units:

Peak-to-peak amplitude: 293

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method Report

Method file: G:\rats2.PRO\MethDB\031699b.mdb
Last modified: Wed Mar 17 06:56:20 1999

Compound: 2: Surr

Printed: Wed Mar 17 13:11:29 1999

Amelia 062498 IAC 03/17/99

Compound Name: Surr
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Fixed

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 8.231, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.588

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 77

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

Quantify Compound Summary Report
TOX120 Rat Liver Group 5 and 6

Sample List: G:\rats2.PRO\SampleDB\031699b
Last modified: Wed Mar 17 13:54:10 1999
Method: G:\rats2.PRO\MethDB\031699b2
Last modified: Wed Mar 17 06:59:09 1999
Job Code:

Printed: Wed Mar 17 15:01:13 1999

Compound 1: PFHS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev	
1	031699001	MeOH Blank	Analy								
2	031699002	MeOH Blank	Analy								
3	031699003	Tox120, RBL02229-H2OBlk-2, 2/22/99	Analy								
4	031699004	Tox120, RBL02229-LivBlk-2, 2/22/99	Analy								
5	031699005	Tox120, RBL02229-5ppb-2, 2/22/99	Stand	5.99	7.878	52	51.87	5.86	bb	-2	
6	031699006	Tox120, RBL02229-10ppb-2, 2/22/99	Stand	12.00	7.829	93	92.97	12.91	MM	8	
7	031699007	Tox120, RBL02229-25ppb-2, 2/22/99	Stand	29.90	7.812	216	216.31	34.09	MM	14	
8	031699008	Tox120, RBL02229-50ppb-2, 2/22/99	Stand	59.90	7.828	325	325.31	52.81	bb	-12	
9	031699009	Tox120, RBL02229-100ppb-2, 2/22/99	Stand	120.00	7.820	751	750.60	125.83	bb	5	
10	031699010	Tox120, RBL02229-250ppb-2, 2/22/99	Stand	299.00	7.826	1966	1965.87	334.50	bb	12	
11	031699011	Tox120, RBL02229-500ppb-2, 2/22/99	Stand	599.00	7.830	3677	3676.73	628.26	bb	5	
12	031699012	Tox120, RBL02229-750ppb-2, 2/22/99	Stand	898.00	7.826	5126	5125.94	877.10	bb	-2	
13	031699013	Tox120, RBL02229-1000ppb-2, 2/22/99	Stand	1198.00	7.832	7909	7909.42	1355.04	bbX	13	
14	031699014	MeOH Blank	Analy								
15	031699015	Tox120, 161F-G5, 2/22/99, d250	Analy		7.830	2007	2007.43	341.64	MM		
16	031699016	Tox120, 162F-G5, 2/22/99, d250	Analy		7.893	2569	2569.44	438.13	MM		
17	031699017	Tox120, 163F-G5, 2/22/99, d250	Analy		7.849	2200	2199.84	374.67	MM		
18	031699018	Tox120, 164F-G5, 2/22/99, d250	Analy		7.901	2150	2149.83	366.09	MM		
19	031699019	Tox120, 165F-G5, 2/22/99, d250	Analy		7.889	2715	2714.90	463.11	MM		
20	031699020	Tox120, RBL02229-250ppb-CC2, 2/22/99	QC	299.00	7.850	2299	2299.14	391.72	bb	31	Ente
21	031699021	MeOH Blank	Analy								03/1
22	031699022	Tox120, 166F-G5, 2/22/99, d250	Analy		7.857	2120	2120.11	360.98	MM		LAC
23	031699023	Tox120, 167F-G5, 2/22/99, d250	Analy		7.793	2652	2651.97	452.31	MM		
24	031699024	Tox120, 168F-G5, 2/22/99, d250	Analy		7.857	1786	1785.69	303.56	MM		
25	031699025	Tox120, RBL02229-250ppb-CC3, 2/22/99	QC	299.00	7.850	2773	2772.88	473.07	MM	58	
26	031699026	MeOH Blank	Analy								
27	031699027	Tox120, 177F-G6, 2/22/99, d1000	Analy								
28	031699028	Tox120, 178F-G6, 2/22/99, d1000	Analy								
29	031699029	Tox120, 179F-G6, 2/22/99, d1000	Analy								
30	031699030	Tox120, 180F-G6, 2/22/99, d1000	Analy								
31	031699031	Tox120, 181F-G6, 2/22/99, d1000	Analy								
32	031699032	Tox120, RBL02229-250ppb-CC4, 2/22/99	QC	299.00	7.849	1980	1979.57	336.85	bb	13	
33	031699033	MeOH Blank	Analy								
34	031699034	Tox120, 182F-G6, 2/22/99, d1000	Analy								
35	031699035	Tox120, 183F-G6, 2/22/99, d1000	Analy								
36	031699036	Tox120, 184F-G6, 2/22/99, d1000	Analy								
37	031699037	Tox120, 185F-G6, 2/22/99, d1000	Analy								
38	031699038	Tox120, 186F-G6, 2/22/99, d1000	Analy								
39	031699039	Tox120, RBL02229-250ppb-CC5, 2/22/99	QC	299.00	7.851	2185	2184.76	372.08	bb	24	
40	031699040	MeOH Blank	Analy								
41	031699041	Tox120, 187F-G6, 2/22/99, d1000	Analy								
42	031699042	Tox120, 189F-G6, 2/22/99, d1000	Analy								
43	031699043	Tox120, 190F-G6, 2/22/99, d1000	Analy								
44	031699044	Tox120, 191F-G6, 2/22/99, d1000	Analy								
45	031699045	Tox120, RBL02229-250ppb-CC6, 2/22/99	QC	299.00	7.827	2065	2064.91	351.50	MM	18	
46	031699046	MeOH Blank	Analy								
47	031699047	Tox120. 169F-G5, 2/22/99	Analy		7.889	2303	2303.09	392.40	bb		
48	031699048	Tox120. 170F-G5, 2/22/99	Analy		7.766	999	998.60	168.41	bb		
49	031699049	Tox120. 171F-G5, 2/22/99	Analy		7.770	1350	1350.47	228.83	MM		
50	031699050	Tox120, RBL02229-250ppb-CC5, 2/22/99	QC	299.00	7.702	1319	1319.16	223.45	bb	-25	Ente
51	031699051	MeOH Blank	Analy								03/
52	031699052	Tox120. 173F-G5, 2/22/99	Analy		7.831	234	233.79	37.09	bb		L
53	031699053	Tox120. 174F-G5, 2/22/99	Analy		7.775	175	175.09	27.01	MM		
54	031699054	Tox120. 175F-G5, 2/22/99	Analy		7.711	203	202.65	31.74	bb		
55	031699055	Tox120, RBL02229-250ppb-CC6, 2/22/99	QC	299.00	7.765	1298	1298.25	219.86	bb	-26	
56	031699056	MeOH Blank	Analy								
57	031699057	Tox120, RBL02229-H2OBlk-2, 2/22/99	Analy								
58	031699058	Tox120, RBL02229-LivBlk-2, 2/22/99	Analy								
59	031699059	Tox120, RBL02229-5ppb-2, 2/22/99	Stand	5.99	7.761	46	46.35	4.91	MM	-18	
60	031699060	Tox120, RBL02229-10ppb-2, 2/22/99	Stand	12.00	7.757	99	98.73	13.90	bb	16	
61	031699061	Tox120, RBL02229-25ppb-2, 2/22/99	Stand	29.90	7.762	178	177.97	27.51	MM	-8	
62	031699062	Tox120, RBL02229-50ppb-2, 2/22/99	Stand	59.90	7.763	328	328.19	53.30	MM	-11	
63	031699063	Tox120, RBL02229-100ppb-2, 2/22/99	Stand	120.00	7.766	730	730.44	122.37	MM	2	
64	031699064	Tox120, RBL02229-250ppb-2, 2/22/99	Stand	299.00	7.770	1710	1709.98	290.56	MM	-3	
65	031699065	Tox120, RBL02229-500ppb-2, 2/22/99	Stand	599.00	7.759	3403	3402.77	581.22	MM	-3	
66	031699066	Tox120, RBL02229-750ppb-2, 2/22/99	Stand	898.00	7.775	5157	5157.15	882.46	MM	-2	
67	031699067	Tox120, RBL02229-1000ppb-2, 2/22/99	Stand	1198.00	7.766	7163	7163.23	1226.91	bbX	2	

D (RE) LAC 03/18/99

Cal. Checks #2 + #3 were outliers, while all other CC were within criteria. Cal. Checks will be reanalyzed with others in data set to verify whether or not they are outliers. If confirmed, this data is acceptable. LAC 03/17/99

Integration method was 399 → 80 because of potential interferences in the 399 → 99 channel.

LAC
03/1

Amelia 062498: quantitated and printed on 03/17/99 by LAC

BACK TO MAIN

Sample List: G:\rats2.PRO\SampleDB\031699b
Last modified: Wed Mar 17 13:54:10 1999
Method: G:\rats2.PRO\MethDB\031699b2
Last modified: Wed Mar 17 06:59:09 1999
Job Code:

Printed: Wed Mar 17 15:01:13 1999

Compound 2: Surr

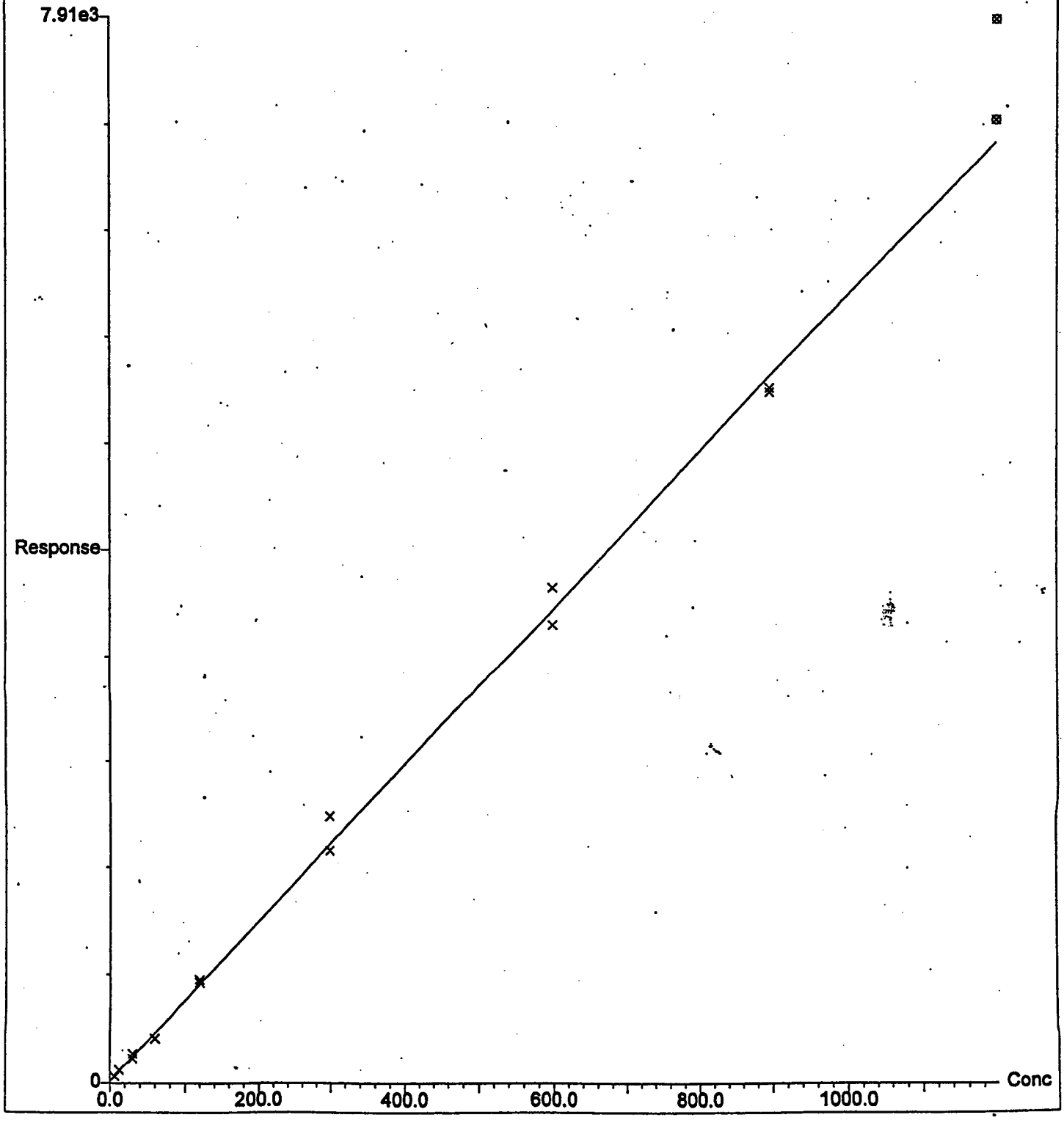
#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	031699001	MeOH Blank	Analy							
2	031699002	MeOH Blank	Analy							
3	031699003	Tox120, RBL02229-H2OBlk-2, 2/22/99	Analy		8.412	684	684.42	0.41	bb	-59
4	031699004	Tox120, RBL02229-LivBlk-2, 2/22/99	Analy		8.482	904	903.69	0.54	bb	-46
5	031699005	Tox120, RBL02229-5ppb-2, 2/22/99	Stand	1.00	8.404	2274	2274.17	1.37	bb	37
6	031699006	Tox120, RBL02229-10ppb-2, 2/22/99	Stand	1.00	8.420	2907	2906.68	1.75	bb	75
7	031699007	Tox120, RBL02229-25ppb-2, 2/22/99	Stand	1.00	8.404	2500	2499.85	1.51	bb	51
8	031699008	Tox120, RBL02229-50ppb-2, 2/22/99	Stand	1.00	8.354	2189	2189.27	1.32	bb	32
9	031699009	Tox120, RBL02229-100ppb-2, 2/22/99	Stand	1.00	8.413	1931	1931.02	1.16	bb	16
10	031699010	Tox120, RBL02229-250ppb-2, 2/22/99	Stand	1.00	8.354	2004	2004.23	1.21	bb	21
11	031699011	Tox120, RBL02229-500ppb-2, 2/22/99	Stand	1.00	8.358	1623	1622.84	0.98	bb	-2
12	031699012	Tox120, RBL02229-750ppb-2, 2/22/99	Stand	1.00	8.354	1549	1548.68	0.93	bb	-7
13	031699013	Tox120, RBL02229-1000ppb-2, 2/22/99	Stand	1.00	8.361	1775	1774.97	1.07	bb	7
14	031699014	MeOH Blank	Analy		8.356	48	47.58	0.03	bb	-97
15	031699015	Tox120, 161F-G5, 2/22/99, d250	Analy							
16	031699016	Tox120, 162F-G5, 2/22/99, d250	Analy							
17	031699017	Tox120, 163F-G5, 2/22/99, d250	Analy							
18	031699018	Tox120, 164F-G5, 2/22/99, d250	Analy							
19	031699019	Tox120, 165F-G5, 2/22/99, d250	Analy		8.290	12	12.14	0.01	bb	-99
20	031699020	Tox120, RBL02229-250ppb-CC2, 2/22/99	QC	1.00	8.378	737	736.68	0.44	bb	-56
21	031699021	MeOH Blank	Analy		8.453	7	7.06	0.00	bb	-100
22	031699022	Tox120, 166F-G5, 2/22/99, d250	Analy							
23	031699023	Tox120, 167F-G5, 2/22/99, d250	Analy							
24	031699024	Tox120, 168F-G5, 2/22/99, d250	Analy							
25	031699025	Tox120, RBL02229-250ppb-CC3, 2/22/99	QC	1.00	8.379	1174	1173.91	0.71	bb	-29
26	031699026	MeOH Blank	Analy		8.384	9	8.97	0.01	bb	-99
27	031699027	Tox120, 177F-G6, 2/22/99, d1000	Analy		8.384	10	9.59	0.01	bb	-99
28	031699028	Tox120, 178F-G6, 2/22/99, d1000	Analy							
29	031699029	Tox120, 179F-G6, 2/22/99, d1000	Analy		8.123	14	14.36	0.01	bb	-99
30	031699030	Tox120, 180F-G6, 2/22/99, d1000	Analy							
31	031699031	Tox120, 181F-G6, 2/22/99, d1000	Analy							
32	031699032	Tox120, RBL02229-250ppb-CC4, 2/22/99	QC	1.00	8.380	982	981.80	0.59	bb	-41
33	031699033	MeOH Blank	Analy							
34	031699034	Tox120, 182F-G6, 2/22/99, d1000	Analy							
35	031699035	Tox120, 183F-G6, 2/22/99, d1000	Analy		7.984	9	9.15	0.01	bb	-99
36	031699036	Tox120, 184F-G6, 2/22/99, d1000	Analy							
37	031699037	Tox120, 185F-G6, 2/22/99, d1000	Analy							
38	031699038	Tox120, 186F-G6, 2/22/99, d1000	Analy							
39	031699039	Tox120, RBL02229-250ppb-CC5, 2/22/99	QC	1.00	8.446	955	955.41	0.58	bb	-42
40	031699040	MeOH Blank	Analy							
41	031699041	Tox120, 187F-G6, 2/22/99, d1000	Analy							
42	031699042	Tox120, 189F-G6, 2/22/99, d1000	Analy							
43	031699043	Tox120, 190F-G6, 2/22/99, d1000	Analy							
44	031699044	Tox120, 191F-G6, 2/22/99, d1000	Analy							
45	031699045	Tox120, RBL02229-250ppb-CC6, 2/22/99	QC	1.00	8.355	741	740.87	0.45	bb	-55
46	031699046	MeOH Blank	Analy							
47	031699047	Tox120. 169F-G5, 2/22/99	Analy		8.418	1213	1213.32	0.73	bb	-27
48	031699048	Tox120. 170F-G5, 2/22/99	Analy		8.228	601	600.53	0.36	bb	-64
49	031699049	Tox120. 171F-G5, 2/22/99	Analy		8.235	617	616.93	0.37	bb	-63
50	031699050	Tox120, RBL02229-250ppb-CC5, 2/22/99	QC	1.00	8.294	809	809.04	0.49	bb	-51
51	031699051	MeOH Blank	Analy							
52	031699052	Tox120. 173F-G5, 2/22/99	Analy		8.361	1236	1235.83	0.74	bb	-26
53	031699053	Tox120. 174F-G5, 2/22/99	Analy		8.303	706	706.35	0.43	bb	-57
54	031699054	Tox120. 175F-G5, 2/22/99	Analy		8.301	658	657.72	0.40	bb	-60
55	031699055	Tox120, RBL02229-250ppb-CC6, 2/22/99	QC	1.00	8.230	623	623.03	0.38	bb	-62
56	031699056	MeOH Blank	Analy							
57	031699057	Tox120, RBL02229-H2OBlk-2, 2/22/99	Analy		8.359	1229	1229.39	0.74	bb	-26
58	031699058	Tox120, RBL02229-LivBlk-2, 2/22/99	Analy		8.359	1222	1221.94	0.74	bb	-26
59	031699059	Tox120, RBL02229-5ppb-2, 2/22/99	Stand	1.00	8.290	1139	1138.70	0.69	bb	-31
60	031699060	Tox120, RBL02229-10ppb-2, 2/22/99	Stand	1.00	8.285	1567	1567.05	0.94	bb	-6
61	031699061	Tox120, RBL02229-25ppb-2, 2/22/99	Stand	1.00	8.289	1317	1317.43	0.79	bb	-21
62	031699062	Tox120, RBL02229-50ppb-2, 2/22/99	Stand	1.00	8.289	1190	1189.57	0.72	bb	-28
63	031699063	Tox120, RBL02229-100ppb-2, 2/22/99	Stand	1.00	8.357	1278	1277.63	0.77	bb	-23
64	031699064	Tox120, RBL02229-250ppb-2, 2/22/99	Stand	1.00	8.295	1211	1211.23	0.73	bb	-27
65	031699065	Tox120, RBL02229-500ppb-2, 2/22/99	Stand	1.00	8.286	1102	1102.30	0.66	bb	-34
66	031699066	Tox120, RBL02229-750ppb-2, 2/22/99	Stand	1.00	8.304	1179	1178.81	0.71	bb	-29
67	031699067	Tox120, RBL02229-1000ppb-2, 2/22/99	Stand	1.00	8.292	1136	1135.66	0.68	bb	-32

D (RE) LAC 03/18/99

Quantify Calibration Report
TOX120 Rat Liver Group 5 and 6

Calibration: G:\rats2.PRO\CurveDB\031699b2
Last modified: Wed Mar 17 15:06:50 1999
Printed: Wed Mar 17 15:01:45 1999

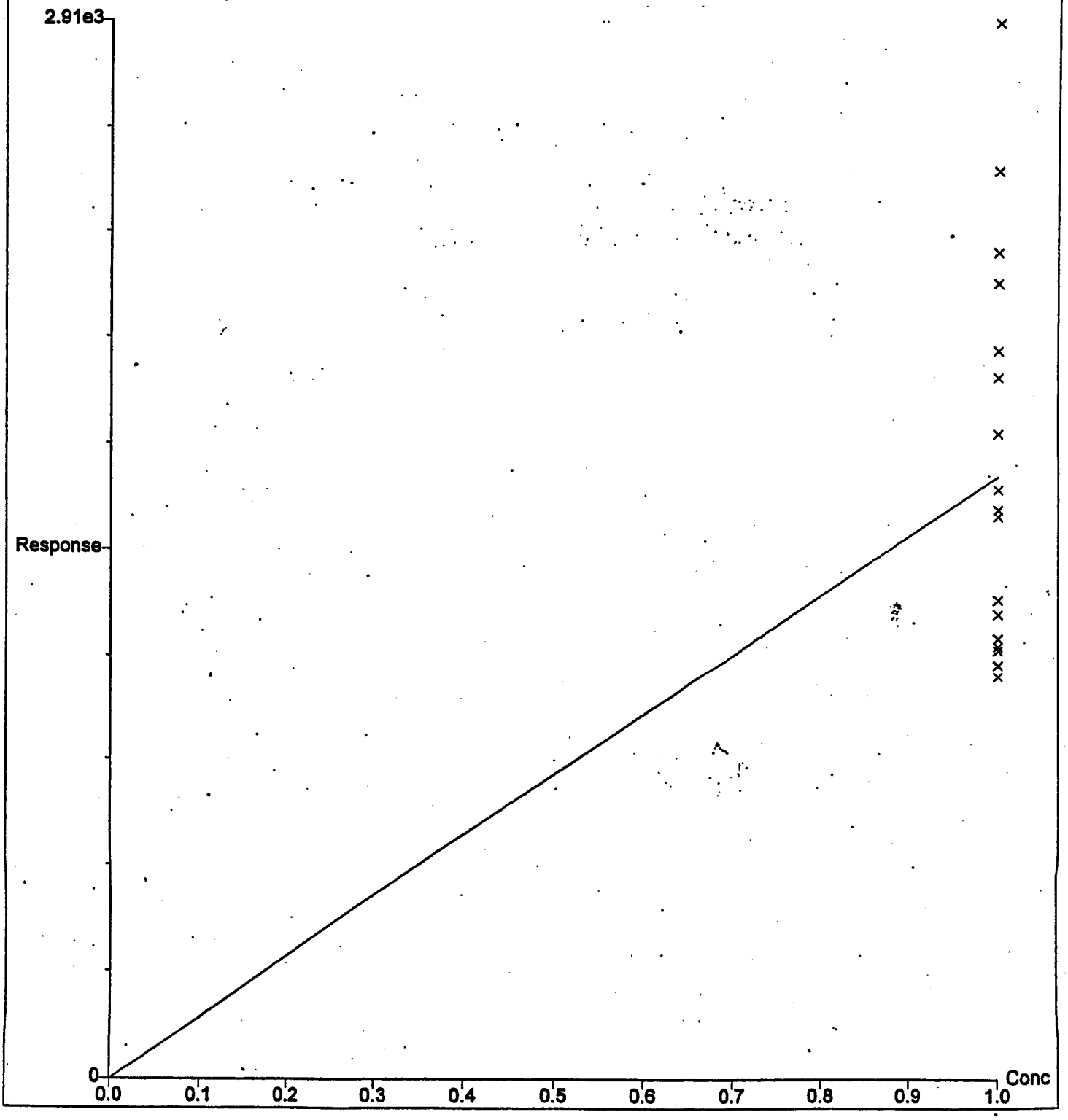
Compound 1 name: PFHS
Coefficient of Determination: 0.997758
Calibration curve: 5.82393 * x + 17.7720
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Amelia 062498: quantitated and printed on 03/17/99 by LAC

Calibration: G:\rats2.PRO\CurveDB\031699b2
Last modified: Wed Mar 17 15:06:50 1999
Printed: Wed Mar 17 15:01:45 1999

Compound 2 name: Surr
Response Factor: 1659.45
Response type: External Std, Area
Curve type: RF



Amelia 062498: quantitated and printed on 03/17/99 by LAC

BACK TO MAIN

Method Report

Method file: G:\rats2.PRO\MethDB\031699b2.mdb
Last modified: Wed Mar 17 06:59:09 1999

Compound: 1: PFHS

Printed: Wed Mar 17 13:11:35 1999

Amelia 062498 IAC 03/17/99

Compound Name: PFHS
Internal Ref.: [None]
Quantify Trace: 399.00 > 80.00
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 7.543, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.620

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Units:

Peak-to-peak amplitude: 293

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method Report

Method file: G:\rats2.PRO\MethDB\031699b2.mdb
Last modified: Wed Mar 17 06:59:09 1999

Compound: 2: Surr

Printed: Wed Mar 17 13:11:35 1999

Amelia 062498 IAC 03/17/99

Compound Name: Surr
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Fixed

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 8.231, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.588

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: None
Axis Transformation: None

Units:

Peak-to-peak amplitude: 77

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

FACT: DATA REVIEW SUMMARY FORM

Date: 5/5/99

Analyst: MEE

FACT Study Number TOX-120

Matrix RAT LIVER

Time Points G1-G5

Dilutions? NEED FOR PDAA G2+G3. + PFHS G5

Analyte 1: PDAA
Acceptable Linear Range: 50-500 ppb
LOQ for this data set: 50 ppb
Re-evaluated for different range? ____

Analyte 2: PFOS
Acceptable Linear Range: 11-556 ppb
LOQ for this data set: 11 ppb
Re-evaluated for different range? ____

Analyte 3: PFHS
Acceptable Linear Range: 5-752 ppb
LOQ for this data set: 5 ppb
Re-evaluated for different range? ____

Analyte 4: IS
Acceptable Linear Range: ____
LOQ for this data set: ____
Re-evaluated for different range? ____

Analyte 5: ____
Acceptable Linear Range: ____
LOQ for this data set: ____
Re-evaluated for different range? ____

Analyte 6: ____
Acceptable Linear Range: ____
LOQ for this data set: ____
Re-evaluated for different range? ____

Analyte 7: ____
Acceptable Linear Range: ____
LOQ for this data set: ____
Re-evaluated for different range? ____

LAC 5/05/99

Quantify Compound Summary Report
Tox-120 Rat Liver

Sample List: N:\rats2.PRO\SampleDB\042099c
Last modified: Thu Apr 22 09:02:11 1999
Method: N:\rats2.PRO\MethDB\042099c
Last modified: Tue May 04 08:52:48 1999
Job Code:

Printed: Wed May 05 11:10:51 1999

Compound 1: POAA

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev	
1	042099002	MeOH Blank									
2	042099003	Tox120, RBL04199-H2OBlk-1, 4/19/99									
3	042099004	Tox120, RBL04199-LivBlk-1, 4/19/99			4.483	74	73.837	32.87	MM		
4	042099005	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	5.56							
5	042099006	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	11.10	4.480	57	57.350	20.70	MM	86	
6	042099007	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	27.80	4.477	77	76.531	34.85	MM	25	
7	042099008	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	55.60	4.479	121	121.098	67.75	MM	22	
8	042099009	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	111.00	4.479	165	165.361	100.42	bb	-10	
9	042099010	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	278.00	4.486	374	374.157	254.53	bb	-8	
10	042099011	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	556.00	4.484	740	739.533	524.21	MM	-6	
11	042099012	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	833.00	4.481	922	921.621	658.60	bbX	-21	
12	042099013	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1111.00	4.484	1075	1074.879	771.72	bbX	-31	
13	042099014	MeOH Blank									
14	042099015	Tox120, RTL, 1M, G1, 4/19/99									
15	042099016	Tox120, RTL, 2M, G1, 4/19/99									
16	042099017	Tox120, RTL, 3M, G1, 4/19/99									
17	042099018	Tox120, RTL, 4M, G1, 4/19/99									
18	042099019	Tox120, RTL, 5M, G1, 4/19/99									
19	042099020	Tox120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00	4.483	355	354.908	240.32	bb	-14	
20	042099021	MeOH Blank									
21	042099022	Tox120, RTL, 6M, G1, 4/19/99									
22	042099023	Tox120, RTL, 7M, G1, 4/19/99									
23	042099024	Tox120, RTL, 8M, G1, 4/19/99									
24	042099025	Tox120, RTL, 9M, G1, 4/19/99									
25	042099026	Tox120, RTL, 10M, G1, 4/19/99									
26	042099027	Tox120, RBL04199-250ppb-CC2, 4/19/99	QC	278.00	4.480	447	447.316	308.53	bb	11	
27	042099028	MeOH Blank									
28	042099029	Tox120, RTL, 11M, G1, 4/19/99									
29	042099030	Tox120, RTL, 13M, G1, 4/19/99									
30	042099031	Tox120, RTL, 14M, G1, 4/19/99									
31	042099032	Tox120, RTL, 15M, G1, 4/19/99									
32	042099033	Tox120, RBL04199-250ppb-CC3, 4/19/99	QC	278.00	4.484	341	341.490	230.42	MM	-17	
33	042099034	MeOH Blank									
34	042099035	Tox120, RTL, 17M, G2, 4/19/99			4.480	3899	3898.674	2855.93	bb		
35	042099036	Tox120, RTL, 18M, G2, 4/19/99			4.482	5143	5142.572	3774.03	bb		
36	042099037	Tox120, RTL, 19M, G2, 4/19/99			4.480	5371	5371.353	3942.89	bb		
37	042099038	Tox120, RTL, 20M, G2, 4/19/99			4.471	5320	5319.878	3904.90	bb		
38	042099039	Tox120, RTL, 21M, G2, 4/19/99			4.485	5764	5764.340	4232.95	bb		
39	042099040	Tox120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00	4.476	413	413.054	283.24	bb	2	
40	042099041	MeOH Blank									
41	042099042	Tox120, RTL, 22M, G2, 4/19/99			4.479	4423	4422.820	3242.79	bb		
42	042099043	Tox120, RTL, 23M, G2, 4/19/99			4.479	3922	3922.056	2873.19	bb		
43	042099044	Tox120, RTL, 24M, G2, 4/19/99			4.487	5424	5424.250	3981.94	bb		
44	042099045	Tox120, RTL, 25M, G2, 4/19/99			4.485	2795	2794.636	2041.05	bb		
45	042099046	Tox120, RTL, 26M, G2, 4/19/99			4.484	3068	3067.762	2242.64	bb		
46	042099047	Tox120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00	4.479	343	342.693	231.30	MM	-17	
47	042099048	MeOH Blank									
48	042099049	Tox120, RTL, 27M, G2, 4/19/99			4.484	2119	2119.342	1542.63	bb		
49	042099050	Tox120, RTL, 29M, G2, 4/19/99			4.483	1448	1448.030	1047.14	bb		
50	042099051	Tox120, RTL, 30M, G2, 4/19/99			4.479	1545	1544.621	1118.43	bb		
51	042099052	Tox120, RTL, 31M, G2, 4/19/99			4.479	1644	1644.361	1192.05	bb		
52	042099053	Tox120, RBL04199-250ppb-CC6, 4/19/99	QC	278.00	4.483	419	418.663	287.38	bb	3	
53	042099054	MeOH Blank									
54	042099055	Tox120, RTL, 33M, G3, 4/19/99			4.481	4232	4232.225	3102.12	bb		
55	042099056	Tox120, RTL, 34M, G3, 4/19/99			4.479	5668	5668.119	4161.93	bb		
56	042099057	Tox120, RTL, 35M, G3, 4/19/99			4.479	4583	4582.970	3361.00	bb		
57	042099058	Tox120, RTL, 36M, G3, 4/19/99			4.495	4657	4657.182	3415.77	bb		
58	042099059	Tox120, RTL, 37M, G3, 4/19/99			4.453	5081	5081.245	3728.77	bb		
59	042099060	Tox120, RBL04199-250ppb-CC7, 4/19/99	QC	278.00	4.495	411	411.447	282.05	MM	1	
60	042099061	MeOH Blank									
61	042099062	Tox120, RTL, 38M, G3, 4/19/99			4.472	5631	5631.017	4134.55	MM		
62	042099063	Tox120, RTL, 39M, G3, 4/19/99			4.463	4587	4587.398	3364.27	MM		
63	042099064	Tox120, RTL, 40M, G3, 4/19/99			4.475	5604	5603.629	4114.33	bb		
64	042099065	Tox120, RTL, 41M, G3, 4/19/99			4.488	3410	3409.806	2495.10	bb		
65	042099066	Tox120, RTL, 42M, G3, 4/19/99			4.481	1319	1318.606	951.61	bb		
66	042099067	Tox120, RBL04199-250ppb-CC8, 4/19/99	QC	278.00	4.480	443	442.641	305.07	bb	10	
67	042099068	MeOH Blank									
68	042099069	Tox120, RTL, 43M, G3, 4/19/99			4.483	2595	2594.520	1893.35	bb		
69	042099070	Tox120, RTL, 45M, G3, 4/19/99			4.479	1076	1075.927	772.50	bb		
70	042099071	Tox120, RTL, 46M, G3, 4/19/99			4.480	850	850.322	605.98	bb		
71	042099072	Tox120, RTL, 47M, G3, 4/19/99			4.486	1384	1383.690	999.65	bb		
72	042099073	Tox120, RBL04199-250ppb-CC9, 4/19/99	QC	278.00	4.484	398	398.107	272.20	MM	-2	
73	042099074	MeOH Blank									
74	042099075	Tox120, RTL, 65M, G5, 4/19/99									
75	042099076	Tox120, RTL, 66M, G5, 4/19/99									
76	042099077	Tox120, RTL, 73M, G5, 4/19/99									
77	042099078	Tox120, RTL, 74M, G5, 4/19/99									
78	042099079	Tox120, RTL, 75M, G5, 4/19/99									
79	042099080	Tox120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00	4.454	413	413.380	283.48	MM	2	
80	042099081	MeOH Blank									
81	042099082	Tox120, RTL, 77M, G5, 4/19/99									
82	042099083	Tox120, RTL, 78M, G5, 4/19/99									
83	042099084	Tox120, RTL, 79M, G5, 4/19/99									
84	042099085	Tox120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00	4.459	364	363.646	246.77	MM	-11	
85	042099086	MeOH Blank									
86	042099087	Tox120, RTL, 3M, G1-250ppb-MS, 4/19/99			4.477	372	372.063	252.98	bb		
87	042099088	Tox120, RTL, 3M, G1-250ppb-MSD, 4/19/99			4.472	380	380.105	258.92	MM		
88	042099089	Tox120, RTL, 6M, G1-250ppb-MS, 4/19/99			4.485	385	384.795	262.38	bb		

Entered 05/05/9 LA

Need 1:25 dilution. LA 05/

Need 1:10 dilution. LA 05

Need 1:25 dilution LA 05/

Need 1:10 dilution LA 05

Entered 05/05/

madeline 041099::quantitated and printed by mee 5/05/99

BACK TO MAIN

Quantify Compound Summary Report
Tox-120 Rat Liver

Sample List: N:\rats2.PRO\SampleDB\042099c
Last modified: Thu Apr 22 09:02:11 1999
Method: N:\rats2.PRO\MethDB\042099c
Last modified: Tue May 04 08:52:48 1999
Job Code:

Printed: Wed May 05 11:10:51 1999

Compound 1: POAA

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
89	042099090	Tox120, RTL, 6M, G1-250ppb-MSD, 4/19/99			4.483	397	397.088	271.45	bb	
90	042099091	Tox120, RTL, 13M, G1-250ppb-MS, 4/19/99			4.484	492	492.434	341.83	bb	
91	042099092	Tox120, RTL, 13M, G1-250ppb-MSD, 4/19/99			4.486	449	449.098	309.84	bb	
92	042099093	Tox120, RBL04199-250ppb-CC6, 4/19/99	QC	278.00	4.475	377	376.897	256.55	MM	-8
93	042099094	MeOH Blank								
94	042099095	Tox120, RBL04199-H2OBlk-1, 4/19/99								
95	042099096	Tox120, RBL04199-LivBlk-1, 4/19/99			4.485	110	110.250	59.74	bb	
96	042099097	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	5.56	4.479	18	17.853	0.00	MM	-100
97	042099098	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	11.10	4.484	57	56.918	20.38	bb	84
98	042099099	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	27.80	4.483	89	88.793	43.90	MM	58
99	042099100	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	55.60	4.483	107	107.191	57.48	bb	3
100	042099101	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	111.00	4.484	173	172.713	105.84	bb	-5
101	042099102	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	278.00	4.470	381	380.632	259.31	bb	-7
102	042099103	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	556.00	4.485	847	847.164	603.65	MM	9
103	042099104	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	833.00	4.484	1080	1080.222	775.67	MMX	-7
104	042099105	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1111.00	4.441	1247	1247.489	899.12	bbX	-19

Entered LAC 05/05/99

madeline 041099::quantitated and printed by mee 5/05/99

BACK TO MAIN

Sample List: N:\rats2.PRO\SampleDB\042099c
Last modified: Thu Apr 22 09:02:11 1999
Method: N:\rats2.PRO\MethDB\042099c
Last modified: Tue May 04 08:52:48 1999
Job Code:

Printed: Wed May 05 11:10:51 1999

Compound 2: PFOS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	042099002	MeOH Blank								
2	042099003	Tox120, RBL04199-H2OBlk-1, 4/19/99								
3	042099004	Tox120, RBL04199-LivBlk-1, 4/19/99			4.822	114	113.879	0.00	bb	
4	042099005	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	5.56	4.823	142	142.359	3.38	bb	-39
5	042099006	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	11.10	4.819	182	181.845	8.76	bb	-21
6	042099007	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	27.80	4.816	310	310.291	26.24	bb	-6
7	042099008	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	55.60	4.819	510	510.134	53.43	bb	-4
8	042099009	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	111.00	4.818	835	834.975	97.63	bb	-12
9	042099010	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	278.00	4.825	1972	1972.331	252.40	bb	-9
10	042099011	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	556.00	4.823	3926	3925.785	518.22	MM	-7
11	042099012	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	833.00	4.820	5290	5290.446	703.92	MMX	-15
12	042099013	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1111.00	4.779	6382	6382.225	852.48	bbX	-23
13	042099014	MeOH Blank								
14	042099015	Tox120, RTL, 1M, G1, 4/19/99			4.822	1409	1409.125	175.76	bb	
15	042099016	Tox120, RTL, 2M, G1, 4/19/99			4.818	1067	1066.545	129.14	bb	
16	042099017	Tox120, RTL, 3M, G1, 4/19/99			4.824	863	863.333	101.49	bb	
17	042099018	Tox120, RTL, 4M, G1, 4/19/99			4.817	1032	1032.293	124.48	bb	
18	042099019	Tox120, RTL, 5M, G1, 4/19/99			4.780	874	874.073	102.95	MM	
19	042099020	Tox120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00	4.822	2082	2081.914	267.31	bb	-4
20	042099021	MeOH Blank								
21	042099022	Tox120, RTL, 6M, G1, 4/19/99			4.824	1007	1007.439	121.10	bb	
22	042099023	Tox120, RTL, 7M, G1, 4/19/99			4.820	1047	1046.567	126.43	bb	
23	042099024	Tox120, RTL, 8M, G1, 4/19/99			4.823	1342	1341.526	166.56	bb	
24	042099025	Tox120, RTL, 9M, G1, 4/19/99			4.823	956	956.335	114.15	bb	
25	042099026	Tox120, RTL, 10M, G1, 4/19/99			4.821	2596	2595.882	337.25	bb	
26	042099027	Tox120, RBL04199-250ppb-CC2, 4/19/99	QC	278.00	4.820	2257	2256.951	291.13	bb	5
27	042099028	MeOH Blank								
28	042099029	Tox120, RTL, 11M, G1, 4/19/99			4.823	2384	2383.945	308.41	bb	
29	042099030	Tox120, RTL, 13M, G1, 4/19/99			4.824	804	804.193	93.44	bb	
30	042099031	Tox120, RTL, 14M, G1, 4/19/99			4.824	907	906.706	107.39	bb	
31	042099032	Tox120, RTL, 15M, G1, 4/19/99			4.821	813	813.172	94.67	bb	
32	042099033	Tox120, RBL04199-250ppb-CC3, 4/19/99	QC	278.00	4.824	1926	1926.462	246.16	bb	-11
33	042099034	MeOH Blank								
34	042099035	Tox120, RTL, 17M, G2, 4/19/99			4.819	514	514.195	53.98	bb	
35	042099036	Tox120, RTL, 18M, G2, 4/19/99			4.821	413	412.578	40.16	bb	
36	042099037	Tox120, RTL, 19M, G2, 4/19/99			4.819	411	411.485	40.01	bb	
37	042099038	Tox120, RTL, 20M, G2, 4/19/99			4.810	383	383.146	36.15	bb	
38	042099039	Tox120, RTL, 21M, G2, 4/19/99			4.779	371	370.594	34.44	bb	
39	042099040	Tox120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00	4.813	2309	2309.480	298.28	bb	7
40	042099041	MeOH Blank								
41	042099042	Tox120, RTL, 22M, G2, 4/19/99			4.819	309	309.189	26.09	bb	
42	042099043	Tox120, RTL, 23M, G2, 4/19/99			4.819	259	259.486	19.32	bb	
43	042099044	Tox120, RTL, 24M, G2, 4/19/99			4.827	330	330.015	28.92	bb	
44	042099045	Tox120, RTL, 25M, G2, 4/19/99			4.824	360	360.292	33.04	bb	
45	042099046	Tox120, RTL, 26M, G2, 4/19/99			4.778	307	307.438	25.85	bb	
46	042099047	Tox120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00	4.818	2006	2006.424	257.04	bb	-8
47	042099048	MeOH Blank								
48	042099049	Tox120, RTL, 27M, G2, 4/19/99			4.823	304	304.184	25.41	bb	
49	042099050	Tox120, RTL, 29M, G2, 4/19/99			4.822	444	444.249	44.46	bb	
50	042099051	Tox120, RTL, 30M, G2, 4/19/99			4.818	810	810.409	94.29	bb	
51	042099052	Tox120, RTL, 31M, G2, 4/19/99			4.819	349	348.588	31.45	bb	
52	042099053	Tox120, RBL04199-250ppb-CC6, 4/19/99	QC	278.00	4.823	2312	2312.079	298.63	bb	7
53	042099054	MeOH Blank								
54	042099055	Tox120, RTL, 33M, G3, 4/19/99			4.820	642	642.037	71.38	bb	
55	042099056	Tox120, RTL, 34M, G3, 4/19/99			4.819	487	486.537	50.22	bb	
56	042099057	Tox120, RTL, 35M, G3, 4/19/99			4.818	587	586.903	63.88	bb	
57	042099058	Tox120, RTL, 36M, G3, 4/19/99			4.787	545	544.943	58.17	bb	
58	042099059	Tox120, RTL, 37M, G3, 4/19/99			4.789	669	669.401	75.10	bb	
59	042099060	Tox120, RBL04199-250ppb-CC7, 4/19/99	QC	278.00	4.788	2265	2264.938	292.22	bb	5
60	042099061	MeOH Blank								
61	042099062	Tox120, RTL, 38M, G3, 4/19/99			4.811	472	472.107	48.26	bb	
62	042099063	Tox120, RTL, 39M, G3, 4/19/99			4.803	713	713.120	81.05	bb	
63	042099064	Tox120, RTL, 40M, G3, 4/19/99			4.813	805	804.755	93.52	bb	
64	042099065	Tox120, RTL, 41M, G3, 4/19/99			4.782	421	421.200	41.33	bb	
65	042099066	Tox120, RTL, 42M, G3, 4/19/99			4.820	588	587.601	63.97	bb	
66	042099067	Tox120, RBL04199-250ppb-CC8, 4/19/99	QC	278.00	4.819	2329	2328.665	300.89	bb	8
67	042099068	MeOH Blank								
68	042099069	Tox120, RTL, 43M, G3, 4/19/99			4.823	487	486.624	50.23	bb	
69	042099070	Tox120, RTL, 45M, G3, 4/19/99			4.818	559	558.781	60.05	bb	
70	042099071	Tox120, RTL, 46M, G3, 4/19/99			4.820	509	509.226	53.31	bb	
71	042099072	Tox120, RTL, 47M, G3, 4/19/99			4.825	530	529.702	56.09	bb	
72	042099073	Tox120, RBL04199-250ppb-CC9, 4/19/99	QC	278.00	4.823	2293	2293.406	296.09	bb	7
73	042099074	MeOH Blank								
74	042099075	Tox120, RTL, 65M, G5, 4/19/99			4.824	328	328.225	28.68	MM	
75	042099076	Tox120, RTL, 66M, G5, 4/19/99			4.819	660	660.033	73.83	bb	
76	042099077	Tox120, RTL, 73M, G5, 4/19/99			4.780	1251	1251.132	154.26	bb	
77	042099078	Tox120, RTL, 74M, G5, 4/19/99			4.790	825	825.343	96.32	bb	
78	042099079	Tox120, RTL, 75M, G5, 4/19/99			4.804	781	780.944	90.28	bb	
79	042099080	Tox120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00	4.791	2331	2330.889	301.19	bb	8
80	042099081	MeOH Blank								
81	042099082	Tox120, RTL, 77M, G5, 4/19/99			4.810	974	973.805	116.52	bb	
82	042099083	Tox120, RTL, 78M, G5, 4/19/99			4.816	767	767.288	88.42	bb	
83	042099084	Tox120, RTL, 79M, G5, 4/19/99			4.773	730	729.592	83.29	bb	
84	042099085	Tox120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00	4.795	2166	2166.195	278.78	bb	0
85	042099086	MeOH Blank			4.792	50	50.002	0.00	bb	
86	042099087	Tox120, RTL, 3M, G1-250ppb-MS, 4/19/99			4.816	2869	2869.270	374.45	bb	
87	042099088	Tox120, RTL, 3M, G1-250ppb-MSD, 4/19/99			4.811	2955	2954.571	386.06	bb	
88	042099089	Tox120, RTL, 6M, G1-250ppb-MS, 4/19/99			4.781	3061	3060.699	400.50	bb	

Entered 05/05/99 LW

madeline 041099::quantitated and printed by mee 5/05/99

BACK TO MAIN

Quantify Compound Summary Report
Tox-120 Rat Liver

Sample List: N:\rats2.PRO\SampleDB\042099c
Last modified: Thu Apr 22 09:02:11 1999
Method: N:\rats2.PRO\MethDB\042099c
Last modified: Tue May 04 08:52:48 1999
Job Code:

Printed: Wed May 05 11:10:51 1999

Compound 2: PFOS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
89	042099090	Tox120, RTL, GM, G1-250ppb-MSD, 4/19/99			4.822	2987	2987.061	390.48	bb	
90	042099091	Tox120, RTL, 13M, G1-250ppb-MS, 4/19/99			4.779	2906	2905.830	379.43	bb	
91	042099092	Tox120, RTL, 13M, G1-250ppb-MSD, 4/19/99			4.780	2923	2922.907	381.75	bb	
92	042099093	Tox120, RBL04199-250ppb-CC6, 4/19/99	QC	278.00	4.816	2396	2396.152	310.07	bb	12
93	042099094	MeOH Blank								
94	042099095	Tox120, RBL04199-H2OBlk-1, 4/19/99			4.824	57	56.592	0.00	bb	
95	042099096	Tox120, RBL04199-LivBlk-1, 4/19/99			4.780	139	139.347	2.98	bb	
96	042099097	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	5.56	4.818	164	163.940	6.32	bb	14
97	042099098	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	11.10	4.780	199	198.888	11.08	bb	0
98	042099099	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	27.80	4.778	382	382.141	36.01	bb	30
99	042099100	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	55.60	4.779	637	637.350	70.74	bb	27
100	042099101	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	111.00	4.778	1058	1058.178	128.01	bb	15
101	042099102	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	278.00	4.806	2337	2336.510	301.96	bb	9
102	042099103	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	556.00	4.779	4350	4349.988	575.94	MM	4
103	042099104	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	833.00	4.779	6482	6481.772	866.03	bbX	4
104	042099105	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1111.00	4.780	7651	7650.592	1025.08	bbX	-8

) Entered 05/05/ ac

madeline 041099::quantitated and printed by mae 5/05/99

BACK TO MAIN

Quantify Compound Summary Report
Tox-120 Rat Liver

Sample List: N:\rats2.PRO\SampleDB\042099c
Last modified: Thu Apr 22 09:02:11 1999
Method: N:\rats2.PRO\MethDB\042099c
Last modified: Tue May 04 08:52:48 1999
Job Code:

Printed: Wed May 05 11:10:51 1999

Compound 3: PFHS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	042099002	MeOH Blank								
2	042099003	Tox120, RBL04199-H2OBlk-1, 4/19/99								
3	042099004	Tox120, RBL04199-LivBlk-1, 4/19/99								
4	042099005	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	5.56	4.160	99	99.365	4.87	MM	-12
5	042099006	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	11.10	4.158	179	179.476	9.01	MM	-19
6	042099007	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	27.80	4.154	502	502.222	25.67	MM	-8
7	042099008	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	55.60	4.112	895	895.168	45.96	MM	-17
8	042099009	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	111.00	4.156	1993	1992.760	102.63	MM	-8
9	042099010	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	278.00	4.118	4901	4900.550	252.77	bb	-9
10	042099011	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	556.00	4.117	10347	10347.100	534.00	bb	-4
11	042099012	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	833.00	4.114	15166	15166.480	782.84	bb	-6
12	042099013	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1111.00	4.117	16551	16551.121	854.34	MMX	-23
13	042099014	MeOH Blank								
14	042099015	Tox120, RTL, 1M, G1, 4/19/99			4.162	1325	1324.885	68.15	MM	
15	042099016	Tox120, RTL, 2M, G1, 4/19/99			4.155	1876	1875.834	96.59	MM	
16	042099017	Tox120, RTL, 3M, G1, 4/19/99			4.161	965	964.554	49.54	MM	
17	042099018	Tox120, RTL, 4M, G1, 4/19/99			4.154	995	995.322	51.13	MM	
18	042099019	Tox120, RTL, 5M, G1, 4/19/99			4.118	607	606.564	31.06	MM	
19	042099020	Tox120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00	4.116	5128	5127.719	264.50	bb	-5
20	042099021	MeOH Blank								
21	042099022	Tox120, RTL, 6M, G1, 4/19/99			4.161	966	965.683	49.60	bb	
22	042099023	Tox120, RTL, 7M, G1, 4/19/99			4.159	792	791.578	40.61	bb	
23	042099024	Tox120, RTL, 8M, G1, 4/19/99			4.115	823	823.111	42.24	MM	
24	042099025	Tox120, RTL, 9M, G1, 4/19/99			4.160	854	853.907	43.83	MM	
25	042099026	Tox120, RTL, 10M, G1, 4/19/99			4.158	4262	4261.949	219.80	bb	
26	042099027	Tox120, RBL04199-250ppb-CC2, 4/19/99	QC	278.00	4.112	4828	4828.117	249.03	bb	-10
27	042099028	MeOH Blank								
28	042099029	Tox120, RTL, 11M, G1, 4/19/99			4.160	2338	2337.712	120.44	bb	
29	042099030	Tox120, RTL, 13M, G1, 4/19/99			4.162	2072	2072.375	106.74	MM	
30	042099031	Tox120, RTL, 14M, G1, 4/19/99			4.118	1765	1764.636	90.85	bb	
31	042099032	Tox120, RTL, 15M, G1, 4/19/99			4.159	1326	1326.162	68.21	bb	
32	042099033	Tox120, RBL04199-250ppb-CC3, 4/19/99	QC	278.00	4.118	5008	5008.266	258.33	bb	-7
33	042099034	MeOH Blank								
34	042099035	Tox120, RTL, 17M, G2, 4/19/99			4.157	703	702.748	36.02	MM	
35	042099036	Tox120, RTL, 18M, G2, 4/19/99			4.159	886	885.923	45.48	bb	
36	042099037	Tox120, RTL, 19M, G2, 4/19/99			4.157	1144	1143.722	58.79	bb	
37	042099038	Tox120, RTL, 20M, G2, 4/19/99			4.148	2148	2147.549	110.62	bb	
38	042099039	Tox120, RTL, 21M, G2, 4/19/99			4.117	495	494.722	25.28	bb	
39	042099040	Tox120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00	4.153	5496	5495.959	283.52	bb	2
40	042099041	MeOH Blank								
41	042099042	Tox120, RTL, 22M, G2, 4/19/99			4.155	562	562.068	28.76	bb	
42	042099043	Tox120, RTL, 23M, G2, 4/19/99			4.156	629	628.842	32.21	bb	
43	042099044	Tox120, RTL, 24M, G2, 4/19/99			4.120	584	583.798	29.88	bb	
44	042099045	Tox120, RTL, 25M, G2, 4/19/99			4.118	721	721.418	36.99	bb	
45	042099046	Tox120, RTL, 26M, G2, 4/19/99			4.161	331	330.691	16.81	MM	
46	042099047	Tox120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00	4.112	4659	4658.773	240.29	bb	-14
47	042099048	MeOH Blank								
48	042099049	Tox120, RTL, 27M, G2, 4/19/99			4.117	445	445.452	22.74	bb	
49	042099050	Tox120, RTL, 29M, G2, 4/19/99			4.160	667	666.912	34.17	bb	
50	042099051	Tox120, RTL, 30M, G2, 4/19/99			4.156	863	862.746	44.29	bb	
51	042099052	Tox120, RTL, 31M, G2, 4/19/99			4.111	410	409.525	20.88	MM	
52	042099053	Tox120, RBL04199-250ppb-CC6, 4/19/99	QC	278.00	4.118	5427	5426.568	279.93	bb	1
53	042099054	MeOH Blank								
54	042099055	Tox120, RTL, 33M, G3, 4/19/99			4.158	1268	1268.351	65.23	MM	
55	042099056	Tox120, RTL, 34M, G3, 4/19/99			4.157	1021	1021.077	52.46	MM	
56	042099057	Tox120, RTL, 35M, G3, 4/19/99			4.113	1716	1715.671	88.33	bb	
57	042099058	Tox120, RTL, 36M, G3, 4/19/99			4.131	884	883.895	45.38	bb	
58	042099059	Tox120, RTL, 37M, G3, 4/19/99			4.133	1278	1278.325	65.74	bb	
59	042099060	Tox120, RBL04199-250ppb-CC7, 4/19/99	QC	278.00	4.130	4754	4754.072	245.21	MM	-12
60	042099061	MeOH Blank								
61	042099062	Tox120, RTL, 38M, G3, 4/19/99			4.150	1086	1085.610	55.79	MM	
62	042099063	Tox120, RTL, 39M, G3, 4/19/99			4.140	993	992.997	51.01	bb	
63	042099064	Tox120, RTL, 40M, G3, 4/19/99			4.111	2036	2036.141	104.87	bb	
64	042099065	Tox120, RTL, 41M, G3, 4/19/99			4.118	445	445.277	22.73	MM	
65	042099066	Tox120, RTL, 42M, G3, 4/19/99			4.114	646	646.280	33.11	MM	
66	042099067	Tox120, RBL04199-250ppb-CC8, 4/19/99	QC	278.00	4.112	5605	5605.275	289.16	bb	4
67	042099068	MeOH Blank								
68	042099069	Tox120, RTL, 43M, G3, 4/19/99			4.116	611	611.040	31.29	bb	
69	042099070	Tox120, RTL, 45M, G3, 4/19/99			4.112	585	585.165	29.95	MM	
70	042099071	Tox120, RTL, 46M, G3, 4/19/99			4.114	600	600.354	30.74	MM	
71	042099072	Tox120, RTL, 47M, G3, 4/19/99			4.117	534	533.884	27.30	bb	
72	042099073	Tox120, RBL04199-250ppb-CC9, 4/19/99	QC	278.00	4.117	4823	4822.879	248.76	bb	-11
73	042099074	MeOH Blank								
74	042099075	Tox120, RTL, 65M, G5, 4/19/99			4.116	1326573	1326572.750	68495.76	bb	
75	042099076	Tox120, RTL, 66M, G5, 4/19/99			4.068	1485431	1485431.125	76698.23	bb	
76	042099077	Tox120, RTL, 73M, G5, 4/19/99			4.117	569662	569661.563	29413.54	bb	
77	042099078	Tox120, RTL, 74M, G5, 4/19/99			4.127	494912	494911.688	25553.92	bb	
78	042099079	Tox120, RTL, 75M, G5, 4/19/99			4.102	582310	582309.750	30066.62	bb	
79	042099080	Tox120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00	4.132	6459	6459.212	333.25	bb	20
80	042099081	MeOH Blank			4.174	245	245.376	12.41	MM	
81	042099082	Tox120, RTL, 77M, G5, 4/19/99			4.149	331762	331762.219	17129.89	bb	
82	042099083	Tox120, RTL, 78M, G5, 4/19/99			4.115	383053	383053.438	19778.25	bb	
83	042099084	Tox120, RTL, 79M, G5, 4/19/99			4.111	302276	302275.969	15607.40	bb	
84	042099085	Tox120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00	4.138	4714	4714.130	243.15	MM	-13
85	042099086	MeOH Blank			4.179	115	114.576	5.65	MM	
86	042099087	Tox120, RTL, 3M, G1-250ppb-MS, 4/19/99			4.154	6236	6236.417	321.75	bb	
87	042099088	Tox120, RTL, 3M, G1-250ppb-MSD, 4/19/99			4.148	5869	5868.653	302.76	bb	
88	042099089	Tox120, RTL, 6M, G1-250ppb-MS, 4/19/99			4.118	6367	6366.802	328.48	bb	

Entered 05/05/99 LAC

D Need 1:500 dilution

Need 1:250 dilution LAC 05/05/99

Entered 05/05/99 LAC

D (RE) LAC 05/05/99

madeline 041099::quantitated and printed by mee 5/05/99

BACK TO MAIN

Quantify Compound Summary Report
Tox-120 Rat Liver

Sample List: N:\rats2.PRO\SampleDB\042099c
Last modified: Thu Apr 22 09:02:11 1999
Method: N:\rats2.PRO\MethDB\042099c
Last modified: Tue May 04 08:52:48 1999
Job Code:

Printed: Wed May 05 11:10:51 1999

Compound 3: PFHS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
89	042099090	Tox120, RTL, 6M, G1-250ppb-MSD, 4/19/99			4.115	6240	6240.164	321.94	bb	
90	042099091	Tox120, RTL, 13M, G1-250ppb-MS, 4/19/99			4.117	7204	7203.939	371.71	bb	
91	042099092	Tox120, RTL, 13M, G1-250ppb-MSD, 4/19/99			4.117	7649	7648.546	394.66	bb	
92	042099093	Tox120, RBL04199-250ppb-CC6, 4/19/99	QC	278.00	4.109	5035	5035.472	259.74	MM	-7
93	042099094	MeOH Blank			4.117	53	52.570	2.45	MM	
94	042099095	Tox120, RBL04199-H2OBlk-1, 4/19/99			4.161	49	49.377	2.29	MM	
95	042099096	Tox120, RBL04199-LivBlk-1, 4/19/99			4.162	43	42.961	1.96	MM	
96	042099097	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	5.56	4.112	126	126.050	6.25	MM	12
97	042099098	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	11.10	4.117	237	237.146	11.98	bb	8
98	042099099	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	27.80	4.116	597	596.977	30.56	bb	10
99	042099100	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	55.60	4.116	1283	1282.536	65.96	bb	19
100	042099101	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	111.00	4.118	2466	2465.863	127.06	MM	14
101	042099102	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	278.00	4.103	5941	5941.001	306.50	bb	10
102	042099103	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	556.00	4.117	11407	11406.754	588.71	bb	6
103	042099104	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	833.00	4.116	16687	16686.936	861.35	bb	3
104	042099105	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1111.00	4.118	18582	18581.658	959.18	bbX	-14

) Entered 05/05/

madeline 041099::quantitated and printed by mee 5/05/99

BACK TO MAIN

Quantify Compound Summary Report
Tox-120 Rat Liver

Sample List: N:\rats2.PRO\SampleDB\042099c
Last modified: Thu Apr 22 09:02:11 1999
Method: N:\rats2.PRO\MethDB\042099c
Last modified: Tue May 04 08:52:48 1999
Job Code:

Printed: Wed May 05 11:10:51 1999

Compound 4: IS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	042099002	MeOH Blank								
2	042099003	Tox120, RBL04199-H2OBlk-1, 4/19/99			4.479	11168	11168.010	0.72	bb	-28
3	042099004	Tox120, RBL04199-LivBlk-1, 4/19/99			4.477	14262	14262.124	0.92	bb	-8
4	042099005	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	1.00	4.477	17108	17107.816	1.10	bb	10
5	042099006	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	1.00	4.475	14220	14220.119	0.92	bb	-8
6	042099007	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	1.00	4.472	14163	14162.521	0.91	bb	-9
7	042099008	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	1.00	4.474	15047	15047.055	0.97	bb	-3
8	042099009	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	1.00	4.473	14165	14164.800	0.91	bb	-9
9	042099010	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	1.00	4.481	12687	12686.997	0.82	bb	-18
10	042099011	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	1.00	4.478	13127	13127.305	0.85	bb	-15
11	042099012	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	1.00	4.475	12184	12183.721	0.79	bb	-21
12	042099013	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1.00	4.479	14980	14980.457	0.97	MM	-3
13	042099014	MeOH Blank								
14	042099015	Tox120, RTL, 1M, G1, 4/19/99			4.477	13354	13353.618	0.86	bb	-14
15	042099016	Tox120, RTL, 2M, G1, 4/19/99			4.473	15480	15479.964	1.00	bb	0
16	042099017	Tox120, RTL, 3M, G1, 4/19/99			4.479	16743	16743.496	1.08	bb	8
17	042099018	Tox120, RTL, 4M, G1, 4/19/99			4.473	16108	16107.631	1.04	bb	4
18	042099019	Tox120, RTL, 5M, G1, 4/19/99			4.480	16428	16427.918	1.06	bb	6
19	042099020	Tox120, RBL04199-250ppb-CC1, 4/19/99	QC	1.00	4.477	12965	12964.758	0.84	bb	-16
20	042099021	MeOH Blank								
21	042099022	Tox120, RTL, 6M, G1, 4/19/99			4.479	12592	12591.617	0.81	bb	-19
22	042099023	Tox120, RTL, 7M, G1, 4/19/99			4.476	12908	12908.252	0.83	bb	-17
23	042099024	Tox120, RTL, 8M, G1, 4/19/99			4.478	14767	14767.411	0.95	bb	-5
24	042099025	Tox120, RTL, 9M, G1, 4/19/99			4.478	13113	13113.133	0.85	bb	-15
25	042099026	Tox120, RTL, 10M, G1, 4/19/99			4.476	16767	16766.613	1.08	bb	8
26	042099027	Tox120, RBL04199-250ppb-CC2, 4/19/99	QC	1.00	4.475	15329	15328.990	0.99	bb	-1
27	042099028	MeOH Blank								
28	042099029	Tox120, RTL, 11M, G1, 4/19/99			4.476	14482	14482.320	0.93	bb	-7
29	042099030	Tox120, RTL, 13M, G1, 4/19/99			4.479	11815	11815.149	0.76	bb	-24
30	042099031	Tox120, RTL, 14M, G1, 4/19/99			4.479	13252	13252.295	0.86	bb	-14
31	042099032	Tox120, RTL, 15M, G1, 4/19/99			4.476	12072	12071.706	0.78	bb	-22
32	042099033	Tox120, RBL04199-250ppb-CC3, 4/19/99	QC	1.00	4.479	12820	12819.677	0.83	bb	-17
33	042099034	MeOH Blank								
34	042099035	Tox120, RTL, 17M, G2, 4/19/99			4.474	7188	7188.418	0.46	bb	-54
35	042099036	Tox120, RTL, 18M, G2, 4/19/99			4.476	6839	6839.444	0.44	bb	-56
36	042099037	Tox120, RTL, 19M, G2, 4/19/99			4.475	6975	6975.442	0.45	bb	-55
37	042099038	Tox120, RTL, 20M, G2, 4/19/99			4.465	7305	7304.985	0.47	bb	-53
38	042099039	Tox120, RTL, 21M, G2, 4/19/99			4.434	7576	7576.105	0.49	bb	-51
39	042099040	Tox120, RBL04199-250ppb-CC4, 4/19/99	QC	1.00	4.471	15008	15007.997	0.97	bb	-3
40	042099041	MeOH Blank								
41	042099042	Tox120, RTL, 22M, G2, 4/19/99			4.473	7420	7419.602	0.48	bb	-52
42	042099043	Tox120, RTL, 23M, G2, 4/19/99			4.474	8272	8272.232	0.53	bb	-47
43	042099044	Tox120, RTL, 24M, G2, 4/19/99			4.438	8265	8264.774	0.53	bb	-47
44	042099045	Tox120, RTL, 25M, G2, 4/19/99			4.434	9236	9235.608	0.60	MM	-40
45	042099046	Tox120, RTL, 26M, G2, 4/19/99			4.434	9268	9268.021	0.60	bb	-40
46	042099047	Tox120, RBL04199-250ppb-CC5, 4/19/99	QC	1.00	4.473	14716	14716.280	0.95	bb	-5
47	042099048	MeOH Blank								
48	042099049	Tox120, RTL, 27M, G2, 4/19/99			4.478	8715	8714.930	0.56	bb	-44
49	042099050	Tox120, RTL, 29M, G2, 4/19/99			4.434	12268	12268.174	0.79	bb	-21
50	042099051	Tox120, RTL, 30M, G2, 4/19/99			4.473	10776	10776.486	0.70	bb	-30
51	042099052	Tox120, RTL, 31M, G2, 4/19/99			4.429	11197	11196.844	0.72	bb	-28
52	042099053	Tox120, RBL04199-250ppb-CC6, 4/19/99	QC	1.00	4.478	14400	14399.545	0.93	bb	-7
53	042099054	MeOH Blank								
54	042099055	Tox120, RTL, 33M, G3, 4/19/99			4.475	16537	16537.041	1.07	bb	7
55	042099056	Tox120, RTL, 34M, G3, 4/19/99			4.474	8276	8276.272	0.53	bb	-47
56	042099057	Tox120, RTL, 35M, G3, 4/19/99			4.430	7717	7716.823	0.50	bb	-50
57	042099058	Tox120, RTL, 36M, G3, 4/19/99			4.445	9574	9574.318	0.62	bb	-38
58	042099059	Tox120, RTL, 37M, G3, 4/19/99			4.448	7747	7747.233	0.50	bb	-50
59	042099060	Tox120, RBL04199-250ppb-CC7, 4/19/99	QC	1.00	4.445	15240	15240.495	0.98	bb	-2
60	042099061	MeOH Blank								
61	042099062	Tox120, RTL, 38M, G3, 4/19/99			4.467	7589	7588.534	0.49	bb	-51
62	042099063	Tox120, RTL, 39M, G3, 4/19/99			4.456	9947	9947.499	0.64	bb	-36
63	042099064	Tox120, RTL, 40M, G3, 4/19/99			4.426	7538	7537.861	0.49	bb	-51
64	042099065	Tox120, RTL, 41M, G3, 4/19/99			4.437	8481	8480.613	0.55	bb	-45
65	042099066	Tox120, RTL, 42M, G3, 4/19/99			4.475	12183	12182.729	0.79	bb	-21
66	042099067	Tox120, RBL04199-250ppb-CC8, 4/19/99	QC	1.00	4.475	14952	14951.948	0.97	bb	-3
67	042099068	MeOH Blank								
68	042099069	Tox120, RTL, 43M, G3, 4/19/99			4.434	8922	8921.938	0.58	MM	-42
69	042099070	Tox120, RTL, 45M, G3, 4/19/99			4.474	9854	9854.359	0.64	bb	-36
70	042099071	Tox120, RTL, 46M, G3, 4/19/99			4.475	13112	13111.587	0.85	bb	-15
71	042099072	Tox120, RTL, 47M, G3, 4/19/99			4.435	9645	9645.204	0.62	bb	-38
72	042099073	Tox120, RBL04199-250ppb-CC9, 4/19/99	QC	1.00	4.478	15910	15909.816	1.03	bb	3
73	042099074	MeOH Blank								
74	042099075	Tox120, RTL, 65M, G5, 4/19/99			4.478	10254	10253.570	0.66	bb	-34
75	042099076	Tox120, RTL, 66M, G5, 4/19/99			4.475	11430	11430.374	0.74	bb	-26
76	042099077	Tox120, RTL, 73M, G5, 4/19/99			4.434	14854	14853.702	0.96	MM	-4
77	042099078	Tox120, RTL, 74M, G5, 4/19/99			4.442	14617	14617.353	0.94	bb	-6
78	042099079	Tox120, RTL, 75M, G5, 4/19/99			4.461	14512	14511.814	0.94	bb	-6
79	042099080	Tox120, RBL04199-250ppb-CC4, 4/19/99	QC	1.00	4.449	15752	15752.205	1.02	bb	2
80	042099081	MeOH Blank								
81	042099082	Tox120, RTL, 77M, G5, 4/19/99			4.465	26825	26824.668	1.73	bb	73
82	042099083	Tox120, RTL, 78M, G5, 4/19/99			4.473	16234	16234.444	1.05	MM	5
83	042099084	Tox120, RTL, 79M, G5, 4/19/99			4.428	16282	16281.634	1.05	MM	5
84	042099085	Tox120, RBL04199-250ppb-CC5, 4/19/99	QC	1.00	4.453	15674	15674.282	1.01	bb	1
85	042099086	MeOH Blank								
86	042099087	Tox120, RTL, 3M, G1-250ppb-MS, 4/19/99			4.472	15718	15717.900	1.01	bb	1
87	042099088	Tox120, RTL, 3M, G1-250ppb-MSD, 4/19/99			4.466	17154	17154.322	1.11	bb	11
88	042099089	Tox120, RTL, 6M, G1-250ppb-MS, 4/19/99			4.480	15585	15585.048	1.01	bb	1

madeline 041099::quantitated and printed by mee 5/05/99

BACK TO MAIN

Sample List: N:\rats2.PRO\SampleDB\042099c
Last modified: Thu Apr 22 09:02:11 1999
Method: N:\rats2.PRO\MethDB\042099c
Last modified: Tue May 04 08:52:48 1999
Job Code:

Printed: Wed May 05 11:10:51 1999

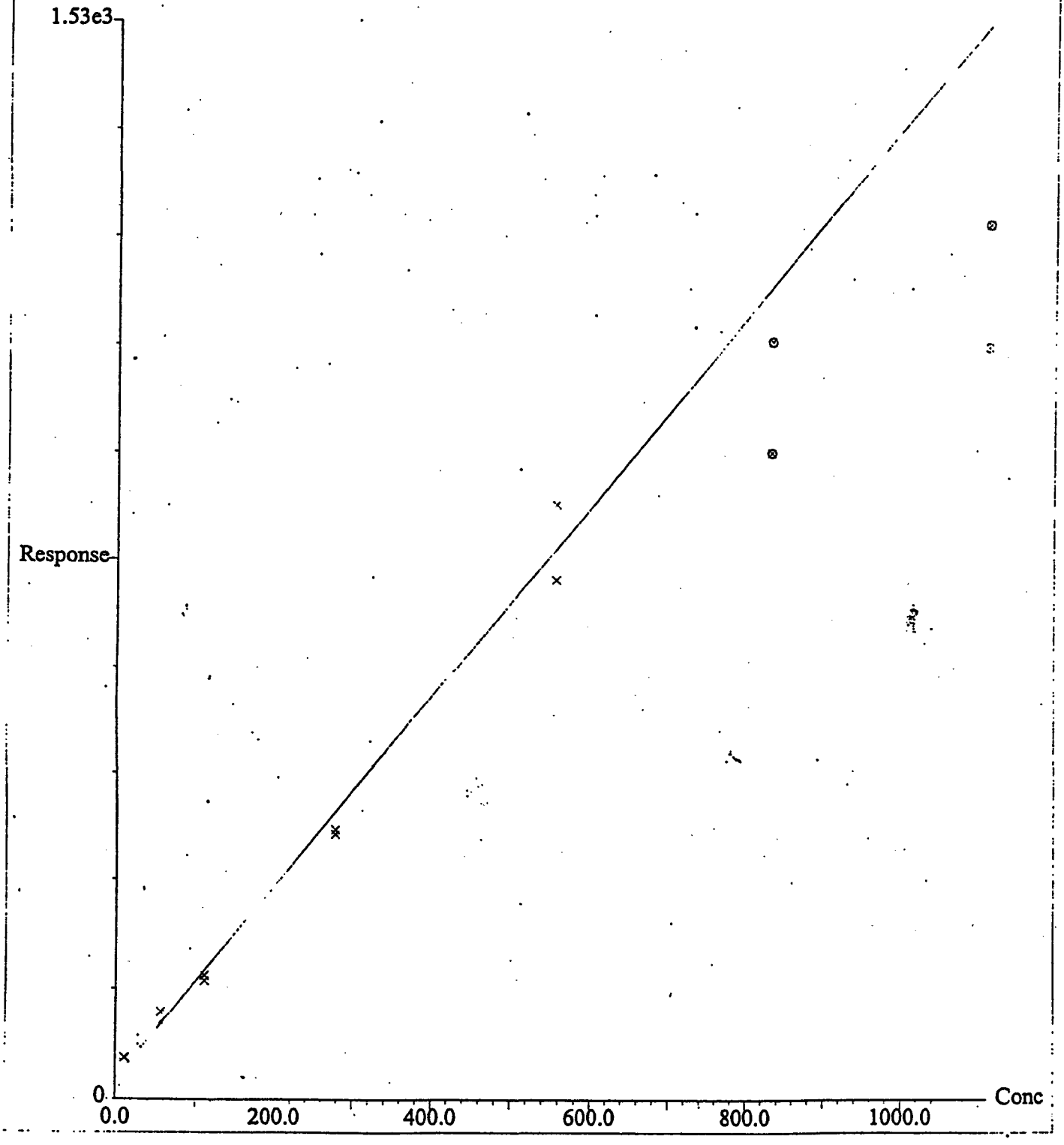
Compound 4: IS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
89	042099090	Tox120, RTL, 6M, G1-250ppb-MSD, 4/19/99			4.477	15039	15038.934	0.97	bb	-3
90	042099091	Tox120, RTL, 13M, G1-250ppb-MS, 4/19/99			4.478	14583	14582.552	0.94	bb	-6
91	042099092	Tox120, RTL, 13M, G1-250ppb-MSD, 4/19/99			4.435	15562	15562.266	1.00	bb	0
92	042099093	Tox120, RBL04199-250ppb-CC6, 4/19/99	QC	1.00	4.470	16368	16367.936	1.06	bb	6
93	042099094	MeOH Blank								
94	042099095	Tox120, RBL04199-H2OBlk-1, 4/19/99			4.478	13605	13604.745	0.88	bb	-12
95	042099096	Tox120, RBL04199-LivBlk-1, 4/19/99			4.478	17110	17109.813	1.10	bb	10
96	042099097	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	1.00	4.473	20728	20728.434	1.34	bb	34
97	042099098	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	1.00	4.435	17142	17141.998	1.11	bb	11
98	042099099	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	1.00	4.433	16514	16513.951	1.07	bb	7
99	042099100	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	1.00	4.434	17079	17078.783	1.10	bb	10
100	042099101	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	1.00	4.433	17088	17087.787	1.10	bb	10
101	042099102	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	1.00	4.465	15845	15844.741	1.02	bb	2
102	042099103	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	1.00	4.434	15402	15402.126	0.99	bb	-1
103	042099104	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	1.00	4.434	15262	15261.598	0.99	MM	-1
104	042099105	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1.00	4.435	16108	16108.356	1.04	bb	4

Quantify Calibration Report
Tox-120 Rat Liver

Calibration: N:\rats2.PRO\CurveDB\042099c
Last modified: Wed May 05 09:00:19 1999
Printed: Wed May 05 11:11:10 1999

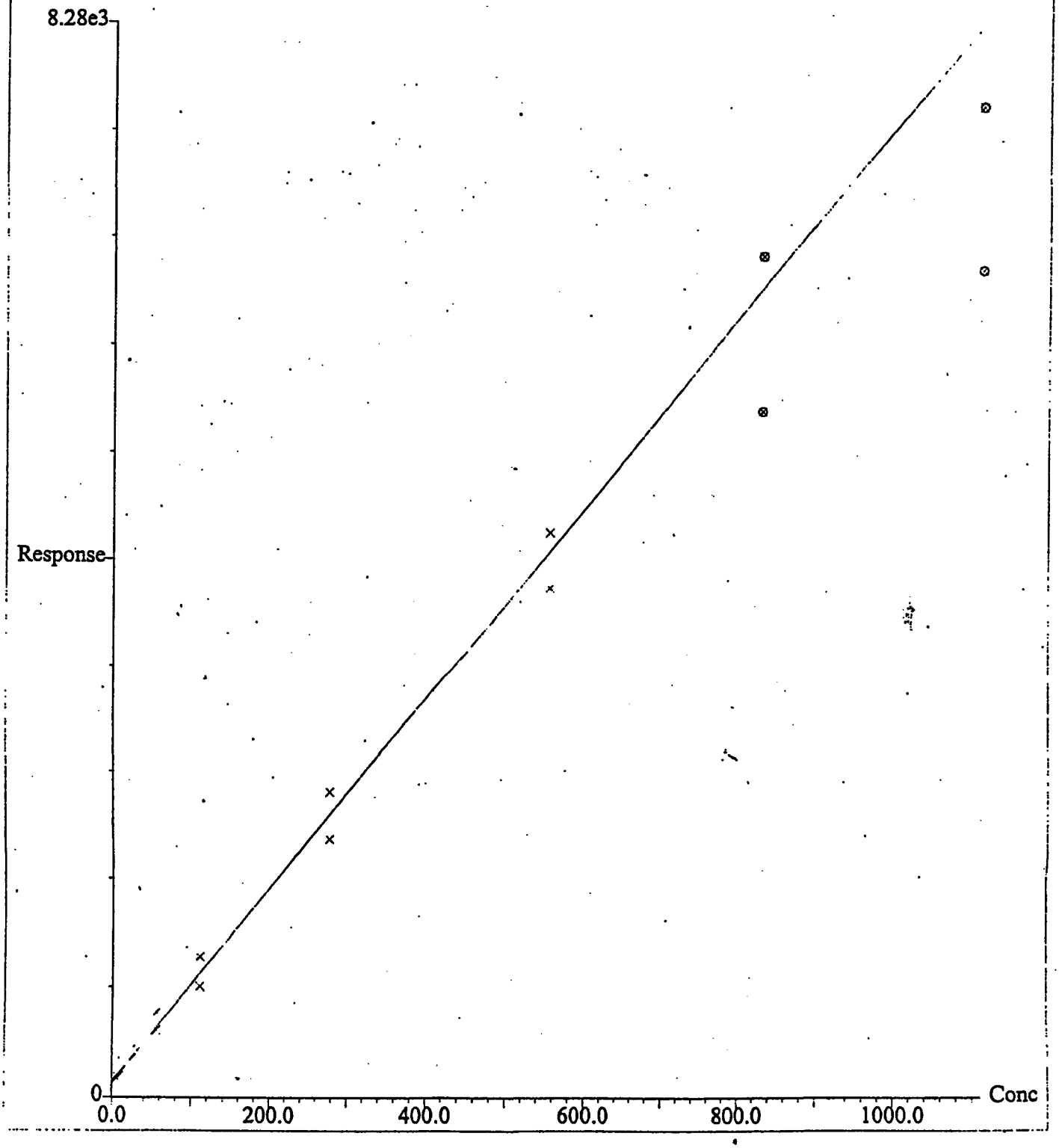
Compound 1 name: POAA
Coefficient of Determination: 0.989036
Calibration curve: 1.35485 * x + 29.3093
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



madeline 041099::quantitated and printed by mee 5/05/99

Calibration: N:\rats2.PRO\CurveDB\042099c
Last modified: Wed May 05 09:00:19 1999
Printed: Wed May 05 11:11:10 1999

Compound 2 name: PFOS
Coefficient of Determination: 0.991992
Calibration curve: 7.34883 * x + 117.484
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

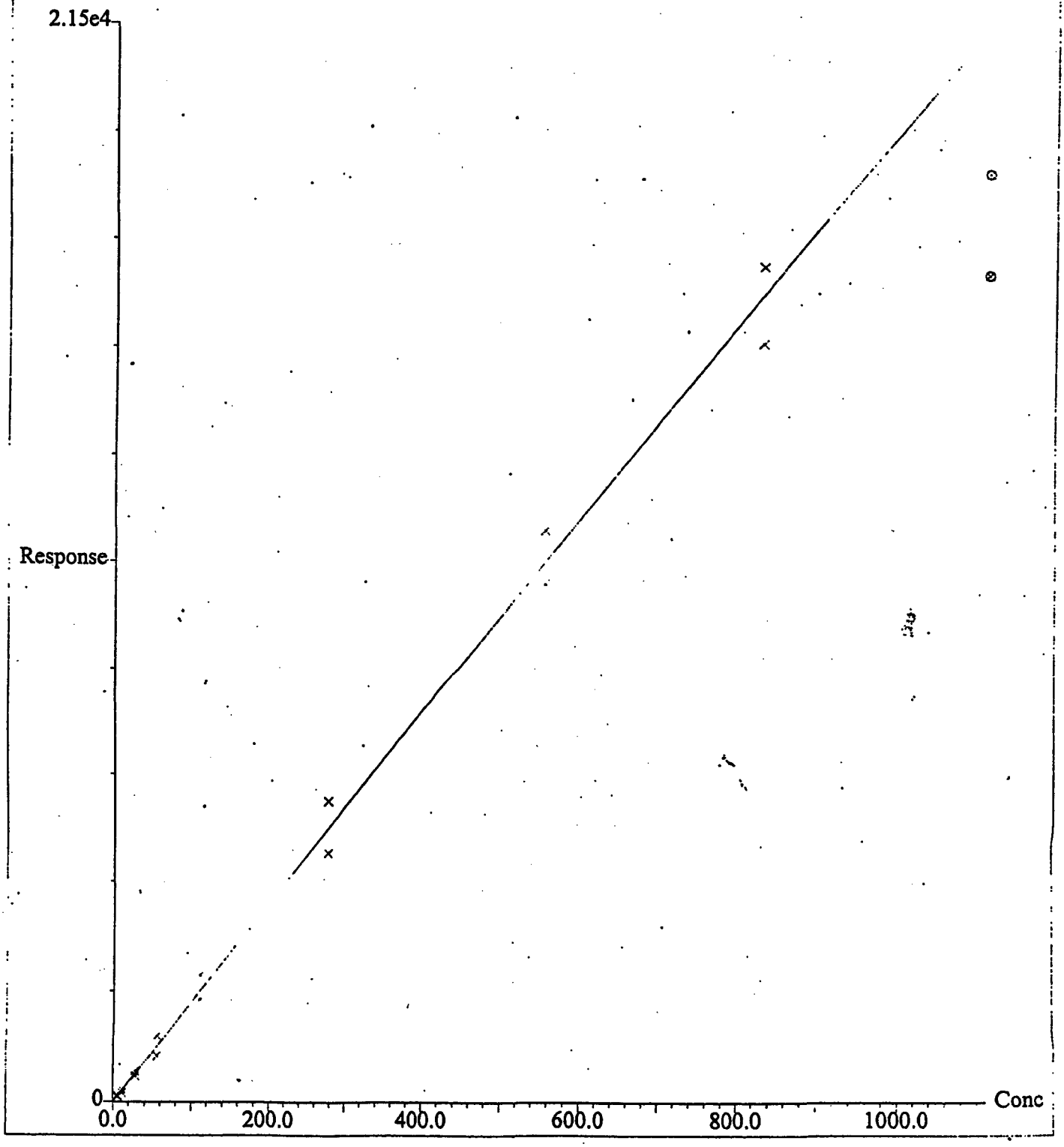


madeline 041099::quantitated and printed by mee 5/05/99

Quantify Calibration Report
Tox-120 Rat Liver

Calibration: N:\rats2.PRO\CurveDB\042099c
Last modified: Wed May 05 09:00:19 1999
Printed: Wed May 05 11:11:10 1999

Compound 3 name: PFHS
Coefficient of Determination: 0.994707
Calibration curve: 19.3671 * x + 5.06533
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

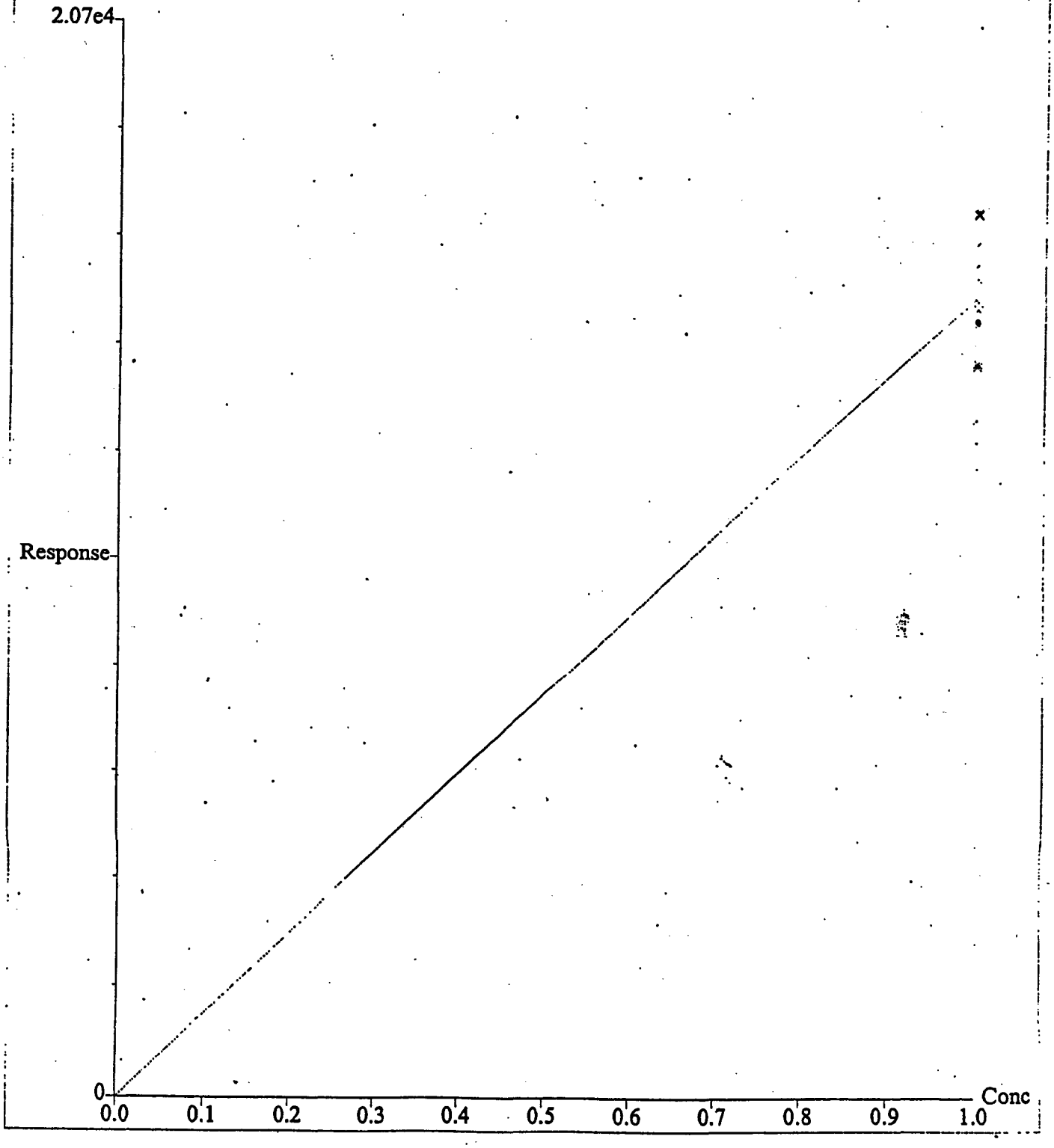


madeline 041099::quantitated and printed by mae 5/05/99

Quantify Calibration Report
Tox-120 Rat Liver

Calibration: N:\rats2.PRO\CurveDB\042099c
Last modified: Wed May 05 09:00:19 1999
Printed: Wed May 05 11:11:10 1999

Compound 4 name: IS
Response Factor: 15491.6
Response type: External Std, Area
Curve type: RF



madeline 041099::quantitated and printed by mae 5/05/99

BACK TO MAIN

Method Report

Method file: N:\rats2.PRO\MethDB\042099c.mdb
Last modified: Tue May 04 08:52:48 1999C

Compound: 1: POAA

Printed: Wed May 05 11:10:26 1999

Madeline 041098 IAC 05/05/99

Compound Name: POAA
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 4.480, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.834

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 434

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 50.00
Raise baseline maximum: 5.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: N:\rats2.PRO\MethDB\042099c.mdb
Last modified: Tue May 04 08:52:48 1999

Compound: 2: PFOS

Printed: Wed May 05 11:10:26 1999

Madeline 041098 LAC 05/05/99

Compound Name: PFOS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 4.780, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.834

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 434

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 50.00
Raise baseline maximum: 5.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: N:\rats2.PRO\MethDB\042099c.mdb
Last modified: Tue May 04 08:52:48 1999

Compound: 3: PFHS

Printed: Wed May 05 11:10:26 1999

Madeline 041098 LAC 05/05/99

Compound Name: PFHS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 4.120, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.834

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 434

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 50.00
Raise baseline maximum: 5.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: N:\rats2.PRO\MethDB\042099c.mdb
Last modified: Tue May 04 08:52:48 1999

Compound: 4: IS

Printed: Wed May 05 11:10:26 1999

Madeline 041098 LAC 05/05/99

Compound Name: IS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Fixed

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 4.480, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.834

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 434

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 50.00
Raise baseline maximum: 5.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 0.00, Disabled

BACK TO MAIN

41
MEE

AMELIA062498: FACT Equipment Log 99016 **PAGE_____**
Quattro II, #6448E

DATE: 04/20/99

ANALYST: mee

STUDY NUMBER Tox-120 MATRIX: Rat Liver DESCRIPTION: ip

FACT Method: ETS-8-5.0

Injection volume, 10 uL Cycle time: 9.0 min. Electrode: Z-Spray

Mobile Phase: (A) 2.0 mM NH4CH3CO2 (B) MeOH

TN-A- or stndrd number (A) 99012-5-22 (B) TN-A-2414

Prepared (date/by): (A) 4/16/99 / ok (B) 4/9/99 hoj

Expires: (A) 10/99 (B) 10/99

Store at room temp? [Y] or N Other:_____

Guard column: None

Part number: na Lot number: na

Analytical column: keystone betasil

Size: 2 x 50mm Type: c18 Sphere size: 5 um

Part number: 055-701-2 Lot number: P7L04 Serial number: 0481172z

Analytical parameters:

Drying gas (L/hr): 300 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 59 bar

HPLC solvent gradient: long2

Time (min.)	%B
1) 0.00	40
2) 4.5	95
3 6.5	95
5) 7.0	40
6) 9.0	stop

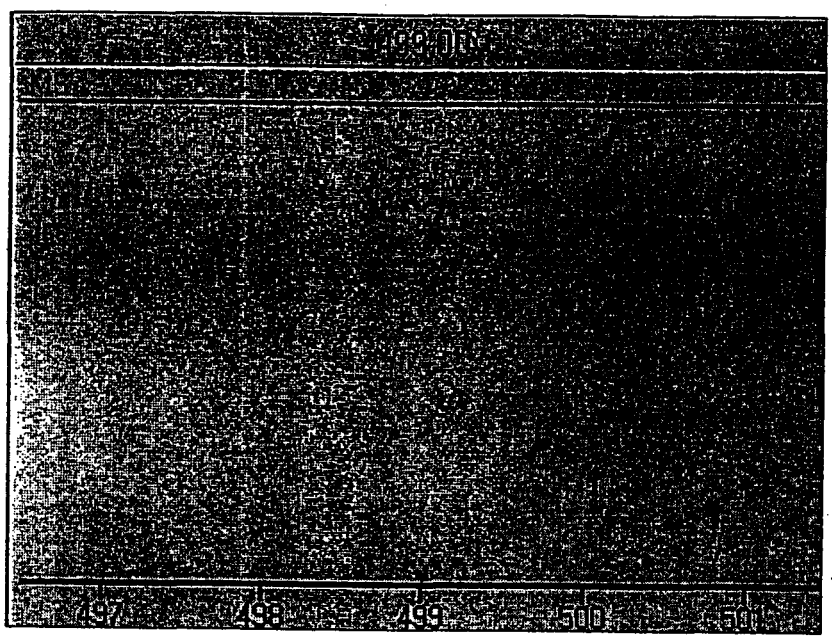
BACK TO MAIN

7/a
MEE

Tuning Method Report

Method: C:\MASSLYNX\RATS2.PRO\ACQUDB\PFOS

Printed: Tue Apr 20 17:06:38 1999



MS

SOURCE (ESP-)	Set	Rdbk
Capillary	3.00	2.99
Cone	15	-14
Extractor	5	-6
RF Lens	0.2	
Source Block Temp.	150	152
Desolvation Temp.	250	258

MS1	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 6	5	7
Multiplier	650	

Pressures	Rdbk
Analyser Vacuum	1.6e-4
Gas Cell	4.7e-3

MS2	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Collision	30	32
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 8	40	39
Lens 9	0	30
Multiplier	650	

FACT: DATA REVIEW SUMMARY FORM

Date: 4/22/99

Analyst: kjh

FACT Study Number TOX-120

Matrix Rat liver

Time Points Group 4

Dilutions? needed

Analyte 1:

Acceptable Linear Range: 25-750 ppb

LOQ for this data set: 25 ppb

Re-evaluated for different range? no

Analyte 2:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 3:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 4:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 5:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 6:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 7:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

4/22/99

Dilutions required. Chromatography needs re-optimization for - data is acceptable, but could be better. Re-run all.

kjn 4/22/99

Quantify Compound Summary Report

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\042099d
Last modified: Thu Apr 22 07:25:34 1999
Method: C:\MASSLYNX\rats2.PRO\MethDB\042099d
Last modified: Thu Apr 22 07:23:52 1999
Job Code:

Printed: Thu Apr 22 07:31:55 1999

Compound 1:

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	042099106	MeOH Blank			4.631	12	0.00	bb	
2	042099107	Tox120, RBL04199-H2OBlk-1, 4/19/99			4.574	40	0.95	bb	
3	042099108	Tox120, RBL04199-LivBlk-1, 4/19/99			4.770	36	0.00	bb	
4	042099109	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	5.00	4.766	57	5.24	bb	5
5	042099110	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	10.00	4.770	89	13.82	MM	38
6	042099111	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	25.00	4.768	155	31.66	MM	27
7	042099112	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	50.00	4.746	247	56.22	bb	12
8	042099113	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	100.00	4.743	485	120.05	bb	20
9	042099114	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	250.00	4.746	1112	287.94	MM	15
10	042099115	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	500.00	4.743	2185	575.32	bb	15
11	042099116	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	750.00	4.743	2976	787.41	bb	5
12	042099117	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1000.00	4.745	3297	873.36	bbX	-13
13	042099118	MeOH Blank			4.486	87	13.52	bb	
14	042099119	Tox120, RTL, 49M, G4, 4/19/99			4.728	12991	3470.15	bb	
15	042099120	Tox120, RTL, 50M, G4, 4/19/99			4.746	6082	1619.43	bb	
16	042099121	Tox120, RTL, 51M, G4, 4/19/99			4.754	5703	1517.85	bb	
17	042099122	Tox120, RTL, 52M, G4, 4/19/99			4.745	7024	1871.64	bb	
18	042099123	Tox120, RTL, 53M, G4, 4/19/99			4.747	2068	543.96	bb	
19	042099124	Tox120, RBL04199-250ppb-CC1, 4/19/99	QC	250.00	4.731	1057	273.37	bb	9
20	042099125	MeOH Blank			4.502	100	16.96	MM	
21	042099126	Tox120, RTL, 54M, G4, 4/19/99			4.746	6163	1641.02	bb	
22	042099127	Tox120, RTL, 55M, G4, 4/19/99			4.724	9846	2627.60	bb	
23	042099128	Tox120, RTL, 56M, G4, 4/19/99			4.747	11879	3172.37	bb	
24	042099129	Tox120, RTL, 57M, G4, 4/19/99			4.791	651	164.53	bb	
25	042099130	Tox120, RTL, 58M, G4, 4/19/99			4.764	150	30.42	bb	
26	042099131	Tox120, RBL04199-250ppb-CC2, 4/19/99	QC	250.00	4.742	1017	262.59	bb	5
27	042099132	MeOH Blank			4.502	124	23.19	bb	
28	042099133	Tox120, RTL, 59M, G4, 4/19/99			4.766	772	196.94	bb	
29	042099134	Tox120, RTL, 61M, G4, 4/19/99			4.756	155	31.70	bb	
30	042099135	Tox120, RTL, 62M, G4, 4/19/99			4.770	189	40.85	bb	
31	042099136	Tox120, RTL, 63M, G4, 4/19/99			4.762	60	6.26	bb	
32	042099137	Tox120, RBL04199-250ppb-CC3, 4/19/99	QC	250.00	4.747	977	251.92	MM	1
33	042099138	MeOH Blank			4.418	107	18.64	bb	
34	042099139	Tox120, RBL04199-H2OBlk-1, 4/19/99			4.528	26	0.00	bb	
35	042099140	Tox120, RBL04199-LivBlk-1, 4/19/99			4.768	33	0.00	bb	
36	042099141	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	5.00	4.766	51	3.82	bb	-24
37	042099142	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	10.00	4.764	53	4.34	bb	-57
38	042099143	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	25.00	4.763	111	19.80	bb	-21
39	042099144	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	50.00	4.765	225	50.35	MM	1
40	042099145	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	100.00	4.766	397	96.32	MM	-4
41	042099146	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	250.00	4.763	864	221.52	bb	-11
42	042099147	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	500.00	4.768	1745	457.44	bb	-9
43	042099148	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	750.00	4.750	2459	648.75	bb	-13
44	042099149	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1000.00	4.755	2843	751.70	MMX	-25

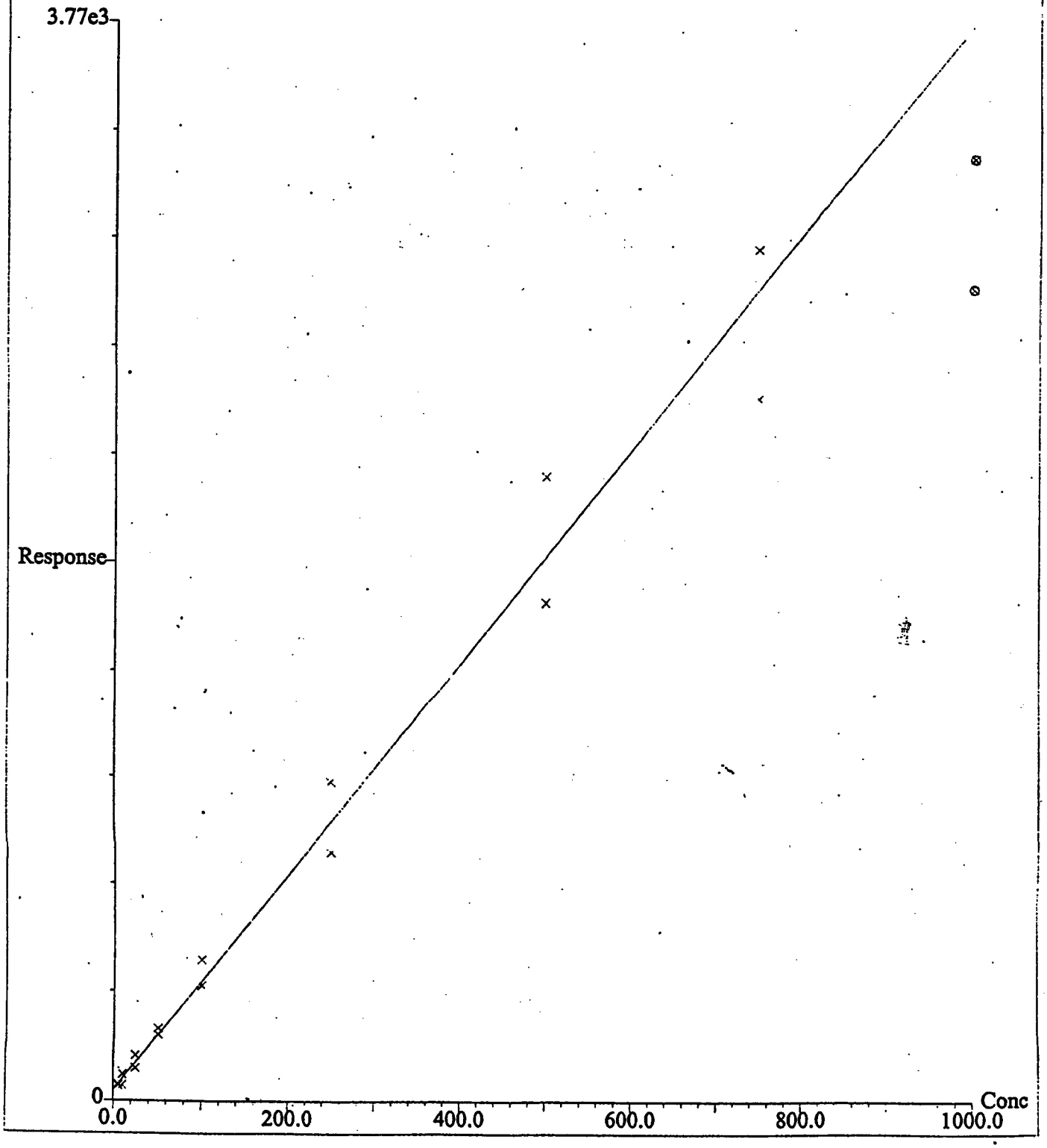
need 1:10 dilutions

Amelia 062498: Reviewed and quantitated by kjh 4/22/99

Quantify Calibration Report

Calibration: C:\MASSLYNX\rats2.PRO\CurveDB\042099d
Last modified: Thu Apr 22 07:30:55 1999
Printed: Thu Apr 22 07:31:55 1999

Compound 1 name:
Coefficient of Determination: 0.978682
Calibration curve: 3.73294 * x + 36.9502
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Amelia 062498: Reviewed and quantitated by kjh 4/22/99

Masslynx - Sample List

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\042099c.SPL
Printed: Tue Apr 20 16:51:50 1999

	File Name	File Text	MS File	Inlet File	Bottle
1	042099002	MeOH Blank	9MIN-COMBI7IS-POAA	9min	91
2	042099003	Tox120, RBL04199-H2OBlk-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	1
3	042099004	Tox120, RBL04199-LivBlk-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	2
4	042099005	Tox120, RBL04199-5ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	3
5	042099006	Tox120, RBL04199-10ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	4
6	042099007	Tox120, RBL04199-25ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	5
7	042099008	Tox120, RBL04199-50ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	6
8	042099009	Tox120, RBL04199-100ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	7
9	042099010	Tox120, RBL04199-250ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	8
10	042099011	Tox120, RBL04199-500ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	9
11	042099012	Tox120, RBL04199-750ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	10
12	042099013	Tox120, RBL04199-1000ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	11
13	042099014	MeOH Blank	9MIN-COMBI7IS-POAA	9min	91
14	042099015	Tox120, RTL, 1M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	12
15	042099016	Tox120, RTL, 2M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	13
16	042099017	Tox120, RTL, 3M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	14
17	042099018	Tox120, RTL, 4M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	15
18	042099019	Tox120, RTL, 5M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	16
19	042099020	Tox120, RBL04199-250ppb-CC1, 4/19/99	9MIN-COMBI7IS-POAA	9min	81
20	042099021	MeOH Blank	9MIN-COMBI7IS-POAA	9min	92
21	042099022	Tox120, RTL, 6M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	17
22	042099023	Tox120, RTL, 7M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	18
23	042099024	Tox120, RTL, 8M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	19
24	042099025	Tox120, RTL, 9M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	20
25	042099026	Tox120, RTL, 10M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	21
26	042099027	Tox120, RBL04199-250ppb-CC2, 4/19/99	9MIN-COMBI7IS-POAA	9min	82
27	042099028	MeOH Blank	9MIN-COMBI7IS-POAA	9min	92
28	042099029	Tox120, RTL, 11M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	22
29	042099030	Tox120, RTL, 13M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	23
30	042099031	Tox120, RTL, 14M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	24
31	042099032	Tox120, RTL, 15M, G1, 4/19/99	9MIN-COMBI7IS-POAA	9min	25
32	042099033	Tox120, RBL04199-250ppb-CC3, 4/19/99	9MIN-COMBI7IS-POAA	9min	83
33	042099034	MeOH Blank	9MIN-COMBI7IS-POAA	9min	92
34	042099035	Tox120, RTL, 17M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	26
35	042099036	Tox120, RTL, 18M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	27
36	042099037	Tox120, RTL, 19M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	28
37	042099038	Tox120, RTL, 20M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	29
38	042099039	Tox120, RTL, 21M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	30
39	042099040	Tox120, RBL04199-250ppb-CC4, 4/19/99	9MIN-COMBI7IS-POAA	9min	84
40	042099041	MeOH Blank	9MIN-COMBI7IS-POAA	9min	92
41	042099042	Tox120, RTL, 22M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	31
42	042099043	Tox120, RTL, 23M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	32
43	042099044	Tox120, RTL, 24M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	33
44	042099045	Tox120, RTL, 25M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	34
45	042099046	Tox120, RTL, 26M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	35
46	042099047	Tox120, RBL04199-250ppb-CC5, 4/19/99	9MIN-COMBI7IS-POAA	9min	85
47	042099048	MeOH Blank	9MIN-COMBI7IS-POAA	9min	92
48	042099049	Tox120, RTL, 27M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	36
49	042099050	Tox120, RTL, 29M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	37
50	042099051	Tox120, RTL, 30M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	38
51	042099052	Tox120, RTL, 31M, G2, 4/19/99	9MIN-COMBI7IS-POAA	9min	39
52	042099053	Tox120, RBL04199-250ppb-CC6, 4/19/99	9MIN-COMBI7IS-POAA	9min	86
53	042099054	MeOH Blank	9MIN-COMBI7IS-POAA	9min	93
54	042099055	Tox120, RTL, 33M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	40
55	042099056	Tox120, RTL, 34M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	41
56	042099057	Tox120, RTL, 35M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	42
57	042099058	Tox120, RTL, 36M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	43
58	042099059	Tox120, RTL, 37M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	44
59	042099060	Tox120, RBL04199-250ppb-CC7, 4/19/99	9MIN-COMBI7IS-POAA	9min	87
60	042099061	MeOH Blank	9MIN-COMBI7IS-POAA	9min	93

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\042099c.SPL
Printed: Tue Apr 20 16:51:50 1999

	File Name	File Text	MS File	Inlet File	Bottle
61	042099062	Tox120, RTL, 38M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	45
62	042099063	Tox120, RTL, 39M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	46
63	042099064	Tox120, RTL, 40M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	47
64	042099065	Tox120, RTL, 41M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	48
65	042099066	Tox120, RTL, 42M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	49
66	042099067	Tox120, RBL04199-250ppb-CC8, 4/19/99	9MIN-COMBI7IS-POAA	9min	88
67	042099068	MeOH Blank	9MIN-COMBI7IS-POAA	9min	93
68	042099069	Tox120, RTL, 43M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	50
69	042099070	Tox120, RTL, 45M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	51
70	042099071	Tox120, RTL, 46M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	52
71	042099072	Tox120, RTL, 47M, G3, 4/19/99	9MIN-COMBI7IS-POAA	9min	53
72	042099073	Tox120, RBL04199-250ppb-CC9, 4/19/99	9MIN-COMBI7IS-POAA	9min	89
73	042099074	MeOH Blank	9MIN-COMBI7IS-POAA	9min	93
74	042099075	Tox120, RTL, 65M, G5, 4/19/99	9MIN-COMBI7IS-POAA	9min	68
75	042099076	Tox120, RTL, 66M, G5, 4/19/99	9MIN-COMBI7IS-POAA	9min	69
76	042099077	Tox120, RTL, 73M, G5, 4/19/99	9MIN-COMBI7IS-POAA	9min	70
77	042099078	Tox120, RTL, 74M, G5, 4/19/99	9MIN-COMBI7IS-POAA	9min	71
78	042099079	Tox120, RTL, 75M, G5, 4/19/99	9MIN-COMBI7IS-POAA	9min	72
79	042099080	Tox120, RBL04199-250ppb-CC4, 4/19/99	9MIN-COMBI7IS-POAA	9min	84
80	042099081	MeOH Blank	9MIN-COMBI7IS-POAA	9min	94
81	042099082	Tox120, RTL, 77M, G5, 4/19/99	9MIN-COMBI7IS-POAA	9min	73
82	042099083	Tox120, RTL, 78M, G5, 4/19/99	9MIN-COMBI7IS-POAA	9min	74
83	042099084	Tox120, RTL, 79M, G5, 4/19/99	9MIN-COMBI7IS-POAA	9min	75
84	042099085	Tox120, RBL04199-250ppb-CC5, 4/19/99	9MIN-COMBI7IS-POAA	9min	85
85	042099086	MeOH Blank	9MIN-COMBI7IS-POAA	9min	95
86	042099087	Tox120, RTL, 3M, G1-250ppb-MS, 4/19/99	9MIN-COMBI7IS-POAA	9min	76
87	042099088	Tox120, RTL, 3M, G1-250ppb-MSD, 4/19/99	9MIN-COMBI7IS-POAA	9min	77
88	042099089	Tox120, RTL, 6M, G1-250ppb-MS, 4/19/99	9MIN-COMBI7IS-POAA	9min	78
89	042099090	Tox120, RTL, 6M, G1-250ppb-MSD, 4/19/99	9MIN-COMBI7IS-POAA	9min	79
90	042099091	Tox120, RTL, 13M, G1-250ppb-MS, 4/19/99	9MIN-COMBI7IS-POAA	9min	80
91	042099092	Tox120, RTL, 13M, G1-250ppb-MSD, 4/19/99	9MIN-COMBI7IS-POAA	9min	90
92	042099093	Tox120, RBL04199-250ppb-CC6, 4/19/99	9MIN-COMBI7IS-POAA	9min	86
93	042099094	MeOH Blank	9MIN-COMBI7IS-POAA	9min	94
94	042099095	Tox120, RBL04199-H2OBlk-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	1
95	042099096	Tox120, RBL04199-LivBlk-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	2
96	042099097	Tox120, RBL04199-5ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	3
97	042099098	Tox120, RBL04199-10ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	4
98	042099099	Tox120, RBL04199-25ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	5
99	042099100	Tox120, RBL04199-50ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	6
100	042099101	Tox120, RBL04199-100ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	7
101	042099102	Tox120, RBL04199-250ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	8
102	042099103	Tox120, RBL04199-500ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	9
103	042099104	Tox120, RBL04199-750ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	10
104	042099105	Tox120, RBL04199-1000ppb-1, 4/19/99	9MIN-COMBI7IS-POAA	9min	11

4/20, MCE

Masslynx - Sample List

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\042099d.SPL
Printed: Tue Apr 20 16:51:40 1999

	File Name	File Text	MS File	Inlet File	Bottle
1	042099106	MeOH Blank		long6	91
2	042099107	Tox120, RBL04199-H2OBlk-1, 4/19/99		long6	1
3	042099108	Tox120, RBL04199-LivBlk-1, 4/19/99		long6	2
4	042099109	Tox120, RBL04199-5ppb-1, 4/19/99		long6	3
5	042099110	Tox120, RBL04199-10ppb-1, 4/19/99		long6	4
6	042099111	Tox120, RBL04199-25ppb-1, 4/19/99		long6	5
7	042099112	Tox120, RBL04199-50ppb-1, 4/19/99		long6	6
8	042099113	Tox120, RBL04199-100ppb-1, 4/19/99		long6	7
9	042099114	Tox120, RBL04199-250ppb-1, 4/19/99		long6	8
10	042099115	Tox120, RBL04199-500ppb-1, 4/19/99		long6	9
11	042099116	Tox120, RBL04199-750ppb-1, 4/19/99		long6	10
12	042099117	Tox120, RBL04199-1000ppb-1, 4/19/99		long6	11
13	042099118	MeOH Blank		long6	93
14	042099119	Tox120, RTL, 49M, G4, 4/19/99		long6	54
15	042099120	Tox120, RTL, 50M, G4, 4/19/99		long6	55
16	042099121	Tox120, RTL, 51M, G4, 4/19/99		long6	56
17	042099122	Tox120, RTL, 52M, G4, 4/19/99		long6	57
18	042099123	Tox120, RTL, 53M, G4, 4/19/99		long6	58
19	042099124	Tox120, RBL04199-250ppb-CC1, 4/19/99		long6	81
20	042099125	MeOH Blank		long6	94
21	042099126	Tox120, RTL, 54M, G4, 4/19/99		long6	59
22	042099127	Tox120, RTL, 55M, G4, 4/19/99		long6	60
23	042099128	Tox120, RTL, 56M, G4, 4/19/99		long6	61
24	042099129	Tox120, RTL, 57M, G4, 4/19/99		long6	62
25	042099130	Tox120, RTL, 58M, G4, 4/19/99		long6	63
26	042099131	Tox120, RBL04199-250ppb-CC2, 4/19/99		long6	82
27	042099132	MeOH Blank		long6	94
28	042099133	Tox120, RTL, 59M, G4, 4/19/99		long6	64
29	042099134	Tox120, RTL, 61M, G4, 4/19/99		long6	65
30	042099135	Tox120, RTL, 62M, G4, 4/19/99		long6	66
31	042099136	Tox120, RTL, 63M, G4, 4/19/99		long6	67
32	042099137	Tox120, RBL04199-250ppb-CC3, 4/19/99		long6	83
33	042099138	MeOH Blank		long6	94
34	042099139	Tox120, RBL04199-H2OBlk-1, 4/19/99		long6	1
35	042099140	Tox120, RBL04199-LivBlk-1, 4/19/99		long6	2
36	042099141	Tox120, RBL04199-5ppb-1, 4/19/99		long6	3
37	042099142	Tox120, RBL04199-10ppb-1, 4/19/99		long6	4
38	042099143	Tox120, RBL04199-25ppb-1, 4/19/99		long6	5
39	042099144	Tox120, RBL04199-50ppb-1, 4/19/99		long6	6
40	042099145	Tox120, RBL04199-100ppb-1, 4/19/99		long6	7
41	042099146	Tox120, RBL04199-250ppb-1, 4/19/99		long6	8
42	042099147	Tox120, RBL04199-500ppb-1, 4/19/99		long6	9
43	042099148	Tox120, RBL04199-750ppb-1, 4/19/99		long6	10
44	042099149	Tox120, RBL04199-1000ppb-1, 4/19/99		long6	11

BACK TO MAIN

4/20/1
MCE

Masslynx - Sample List

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\042099d.SPL
Printed: Tue Apr 20 16:51:40 1999

	File Name	File Text	MS File	Inlet File	Bottle
1	042099106	MeOH Blank	PFBS-4	long6	91
2	042099107	Tox120, RBL04199-H2OBlk-1, 4/19/99	PFBS-4	long6	1
3	042099108	Tox120, RBL04199-LivBlk-1, 4/19/99	PFBS-4	long6	2
4	042099109	Tox120, RBL04199-5ppb-1, 4/19/99	PFBS-4	long6	3
5	042099110	Tox120, RBL04199-10ppb-1, 4/19/99	PFBS-4	long6	4
6	042099111	Tox120, RBL04199-25ppb-1, 4/19/99	PFBS-4	long6	5
7	042099112	Tox120, RBL04199-50ppb-1, 4/19/99	PFBS-4	long6	6
8	042099113	Tox120, RBL04199-100ppb-1, 4/19/99	PFBS-4	long6	7
9	042099114	Tox120, RBL04199-250ppb-1, 4/19/99	PFBS-4	long6	8
10	042099115	Tox120, RBL04199-500ppb-1, 4/19/99	PFBS-4	long6	9
11	042099116	Tox120, RBL04199-750ppb-1, 4/19/99	PFBS-4	long6	10
12	042099117	Tox120, RBL04199-1000ppb-1, 4/19/99	PFBS-4	long6	11
13	042099118	MeOH Blank	PFBS-4	long6	93
14	042099119	Tox120, RTL, 49M, G4, 4/19/99	PFBS-4	long6	54
15	042099120	Tox120, RTL, 50M, G4, 4/19/99	PFBS-4	long6	55
16	042099121	Tox120, RTL, 51M, G4, 4/19/99	PFBS-4	long6	56
17	042099122	Tox120, RTL, 52M, G4, 4/19/99	PFBS-4	long6	57
18	042099123	Tox120, RTL, 53M, G4, 4/19/99	PFBS-4	long6	58
19	042099124	Tox120, RBL04199-250ppb-CC1, 4/19/99	PFBS-4	long6	81
20	042099125	MeOH Blank	PFBS-4	long6	94
21	042099126	Tox120, RTL, 54M, G4, 4/19/99	PFBS-4	long6	59
22	042099127	Tox120, RTL, 55M, G4, 4/19/99	PFBS-4	long6	60
23	042099128	Tox120, RTL, 56M, G4, 4/19/99	PFBS-4	long6	61
24	042099129	Tox120, RTL, 57M, G4, 4/19/99	PFBS-4	long6	62
25	042099130	Tox120, RTL, 58M, G4, 4/19/99	PFBS-4	long6	63
26	042099131	Tox120, RBL04199-250ppb-CC2, 4/19/99	PFBS-4	long6	82
27	042099132	MeOH Blank	PFBS-4	long6	94
28	042099133	Tox120, RTL, 59M, G4, 4/19/99	PFBS-4	long6	64
29	042099134	Tox120, RTL, 61M, G4, 4/19/99	PFBS-4	long6	65
30	042099135	Tox120, RTL, 62M, G4, 4/19/99	PFBS-4	long6	66
31	042099136	Tox120, RTL, 63M, G4, 4/19/99	PFBS-4	long6	67
32	042099137	Tox120, RBL04199-250ppb-CC3, 4/19/99	PFBS-4	long6	83
33	042099138	MeOH Blank	PFBS-4	long6	94
34	042099139	Tox120, RBL04199-H2OBlk-1, 4/19/99	PFBS-4	long6	1
35	042099140	Tox120, RBL04199-LivBlk-1, 4/19/99	PFBS-4	long6	2
36	042099141	Tox120, RBL04199-5ppb-1, 4/19/99	PFBS-4	long6	3
37	042099142	Tox120, RBL04199-10ppb-1, 4/19/99	PFBS-4	long6	4
38	042099143	Tox120, RBL04199-25ppb-1, 4/19/99	PFBS-4	long6	5
39	042099144	Tox120, RBL04199-50ppb-1, 4/19/99	PFBS-4	long6	6
40	042099145	Tox120, RBL04199-100ppb-1, 4/19/99	PFBS-4	long6	7
41	042099146	Tox120, RBL04199-250ppb-1, 4/19/99	PFBS-4	long6	8
42	042099147	Tox120, RBL04199-500ppb-1, 4/19/99	PFBS-4	long6	9
43	042099148	Tox120, RBL04199-750ppb-1, 4/19/99	PFBS-4	long6	10
44	042099149	Tox120, RBL04199-1000ppb-1, 4/19/99	PFBS-4	long6	11

BACK TO MAIN

712
MEE

Scanning Method Report

Method: C:\MASSLYNX\RATS2.PRO\ACQUDB\9MIN-COMBI7IS-POAA
Last Modified: Tue Apr 20 16:33:12 1999

Printed: Tue Apr 20 16:33:19 1999

Solvent Delay (mins) : 0.00

Function : 1 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	413.00	169.00	0.30	30	15

Function : 2 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	469.00	119.00	0.30	30	15

Function : 3 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	569.00	119.00	0.30	30	15

Function : 4 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	419.00	119.00	0.30	30	15

Function : 5 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	519.00	119.00	0.30	30	15

Function : 6 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	499.00	99.00	0.30	45	60

Function : 7 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	399.00	80.00	0.30	45	60

Function : 8 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	427.00	80.00	0.30	40	60

41-
MCE

Scanning Method Report

Method: C:\MASSLYNX\RAT52.PRO\ACQUDB\9MIN-COMBI7IS-POAA
Last Modified: Tue Apr 20 16:33:12 1999

Printed: Tue Apr 20 16:33:19 1999

Solvent Delay (mins) : 0.00

Function : 1 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	413.00	169.00	0.30	30	15

Function : 2 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	469.00	119.00	0.30	30	15

Function : 3 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	569.00	119.00	0.30	30	15

Function : 4 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	419.00	119.00	0.30	30	15

Function : 5 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	519.00	119.00	0.30	30	15

Function : 6 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	499.00	99.00	0.30	45	60

Function : 7 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	399.00	80.00	0.30	45	60

Function : 8 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	427.00	80.00	0.30	40	60

BACK TO MAIN

MEG

Scanning Method Report

Method: C:\MASSLYNX\RATS2.PRO\ACQUDB\ -4
Last Modified: Mon Mar 15 14:22:03 1999

Printed: Tue Apr 20 17:05:29 1999

Solvent Delay (mins) : 0.00

Function : 1 MRM of 4 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	299.00	80.00	0.30	45	60
2	299.00	99.00	0.30	45	60
3	299.00	130.00	0.30	45	60
4	299.00	180.00	0.30	45	60

4/22/99
MEE

AMELIA062498: FACT Equipment Log 99016 **PAGE_____**
Quattro II, #6448E

DATE: 04/22/99

ANALYST: mee

STUDY NUMBER Tox-120 MATRIX: Rat Liver DESCRIPTION: ip

FACT Method: ETS-8-5.0

Injection volume, 10 uL Cycle time: 13.5 min. Electrode: Z-Spray

Mobile Phase: (A) 2.0 mM NH4CH3CO2 (B) MeOH

TN-A- or stndrd number (A) 99012-5-22 (B) TN-A-2414

Prepared (date/by): (A) 4/16/99 / ok (B) 4/9/99 hoj

Expires: (A) 10/99 (B) 10/99

Store at room temp? [Y] or N Other:_____

Guard column: None

Part number: na Lot number: na

Analytical column: keystone betasil

Size: 2 x 50mm Type: c18 Sphere size: 5 um

Part number: 055-701-2 Lot number: P7L04 Serial number: 0481172z

Analytical parameters:

Drying gas (L/hr): 300 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 59 bar

HPLC solvent gradient: long2

Time (min.)	%B
1) 0.00	40
2) 8.5	90
3 11.0	90
5) 12.0	40
6) 13.5	stop

BACK TO MAIN

4/22/99
MEE

AMELIA062498: FACT Equipment Log 99016 **PAGE_____**
Quattro II, #6448E

DATE: 04/22/99

ANALYST: mee

STUDY NUMBER Tox-120 MATRIX: Rat Liver (pfbs) DESCRIPTION: ip

FACT Method: ETS-8-5.0

Injection volume, 10 uL Cycle time: 15 min. Electrode: Z-Spray

Mobile Phase: (A) 2.0 mM NH4CH3CO2 (B) MeOH

TN-A- or stndrd number (A) 99012-5-22 (B) TN-A-2414

Prepared (date/by): (A) 4/16/99 / ok (B) 4/9/99 hoj

Expires: (A) 10/99 (B) 10/99

Store at room temp? [Y] or N Other:_____

Guard column: None

Part number: na Lot number: na

Analytical column: keystone betasil

Size: 2 x 50mm Type: c18 Sphere size: 5 um

Part number: 055-701-2 Lot number: P7L04 Serial number: 0481172z

Analytical parameters:

Drying gas (L/hr): 300 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 59 bar

HPLC solvent gradient: long2

Time (min.)	%B
1) 0.00	25
2) 5.0	95
3 12.0	95
5) 13.5	25
6) 15	stop

BACK TO MAIN

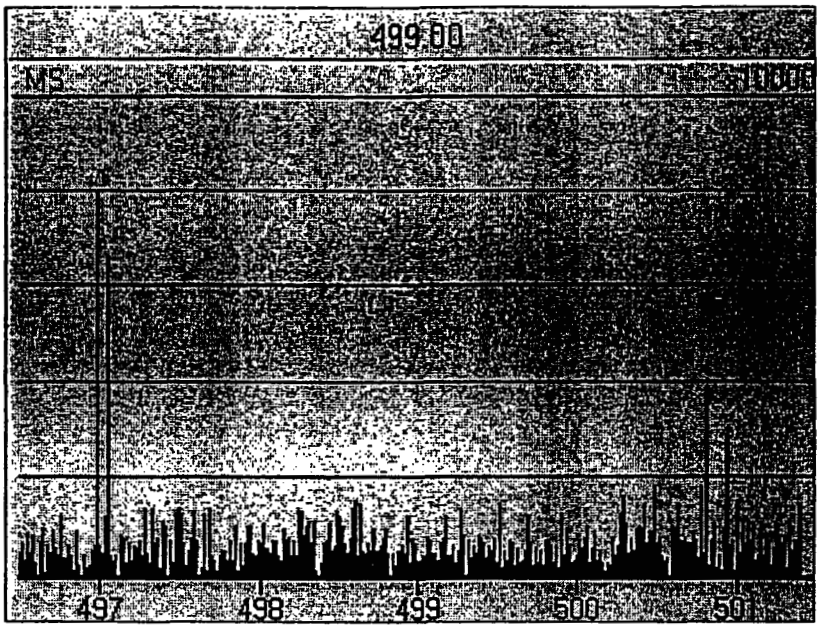
4/22/99 MEE

Tuning Method Report

Method: C:\MASSLYNX\RATS2.PRO\ACQUDB\PFOS

Printed: Thu Apr 22 16:25:24 1999

Amelia 062498 LAC 05/10/99



MS

SOURCE (ESP-)	Set	Rdbk	MS1	Set	Rdbk
Capillary	3.00	2.96	LM Resolution	15.0	
Cone	15	-14	HM Resolution	15.0	
Extractor	5	-5	Ion Energy	2.0	
RF Lens	0.2		Ion Energy Ramp	0.0	
Source Block Temp.	150	152	Lens 6	5	8
Desolvation Temp.	250	253	Multiplier	650	

Pressures	Rdbk	MS2	Set	Rdbk
		LM Resolution	15.0	
Analyser Vacuum	2.0e-4	HM Resolution	15.0	
		Collision	30	32
Gas Cell	5.5e-3	Ion Energy	2.0	
		Ion Energy Ramp	0.0	
		Lens 8	40	39
		Lens 9	0	31
		Multiplier	650	

4/24/99
MGE

BACK TO MAIN

Masslynx - Sample List Page 1

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\042299a.SPL
Printed: Thu Apr 22 17:50:31 1999

Amelia 062498 IAC 05/10/99

	File Name	File Text	MS File	Inlet File	Bottle
1	042299001	MeOH Blank	15MIN	long15	91
2	042299002	Tox120, RBL04199-H2OBlk-1, 4/19/99	15MIN	long15	1
3	042299003	Tox120, RBL04199-LivBlk-1, 4/19/99	15MIN	long15	2
4	042299004	Tox120, RBL04199-5ppb-1, 4/19/99	15MIN	long15	3
5	042299005	Tox120, RBL04199-10ppb-1, 4/19/99	15MIN	long15	4
6	042299006	Tox120, RBL04199-25ppb-1, 4/19/99	15MIN	long15	5
7	042299007	Tox120, RBL04199-50ppb-1, 4/19/99	15MIN	long15	6
8	042299008	Tox120, RBL04199-100ppb-1, 4/19/99	15MIN	long15	7
9	042299009	Tox120, RBL04199-250ppb-1, 4/19/99	15MIN	long15	8
10	042299010	Tox120, RBL04199-500ppb-1, 4/19/99	15MIN	long15	9
11	042299011	Tox120, RBL04199-750ppb-1, 4/19/99	15MIN	long15	10
12	042299012	Tox120, RBL04199-1000ppb-1, 4/19/99	15MIN	long15	11
13	042299013	MeOH Blank	15MIN	long15	91
14	042299014	Tox120, RTL, 49M, G4, 4/19/99, D10	15MIN	long15	12
15	042299015	Tox120, RTL, 50M, G4, 4/19/99, D10	15MIN	long15	13
16	042299016	Tox120, RTL, 51M, G4, 4/19/99, D10	15MIN	long15	14
17	042299017	Tox120, RTL, 52M, G4, 4/19/99, D10	15MIN	long15	15
18	042299018	Tox120, RTL, 53M, G4, 4/19/99, D10	15MIN	long15	16
19	042299019	Tox120, RBL04199-250ppb-CC1, 4/19/99	15MIN	long15	17
20	042299020	MeOH Blank	15MIN	long15	91
21	042299021	Tox120, RTL, 54M, G4, 4/19/99, D10	15MIN	long15	18
22	042299022	Tox120, RTL, 55M, G4, 4/19/99, D10	15MIN	long15	19
23	042299023	Tox120, RTL, 56M, G4, 4/19/99, D10	15MIN	long15	20
24	042299024	Tox120, RTL, 57M, G4, 4/19/99,	15MIN	long15	21
25	042299025	Tox120, RTL, 58M, G4, 4/19/99,	15MIN	long15	22
26	042299026	Tox120, RBL04199-250ppb-CC2, 4/19/99	15MIN	long15	23
27	042299027	MeOH Blank	15MIN	long15	91
28	042299028	Tox120, RTL, 59M, G4, 4/19/99,	15MIN	long15	24
29	042299029	Tox120, RTL, 61M, G4, 4/19/99,	15MIN	long15	25
30	042299030	Tox120, RTL, 62M, G4, 4/19/99,	15MIN	long15	26
31	042299031	Tox120, RTL, 63M, G4, 4/19/99,	15MIN	long15	27
32	042299032	Tox120, RBL04199-250ppb-CC1, 4/19/99	15MIN	long15	17
33	042299033	MeOH Blank	15MIN	long15	92
34	042299034	Tox120, RBL04199-H2OBlk-1, 4/19/99	15MIN	long15	1
35	042299035	Tox120, RBL04199-LivBlk-1, 4/19/99	15MIN	long15	2
36	042299036	Tox120, RBL04199-5ppb-1, 4/19/99	15MIN	long15	3
37	042299037	Tox120, RBL04199-10ppb-1, 4/19/99	15MIN	long15	4
38	042299038	Tox120, RBL04199-25ppb-1, 4/19/99	15MIN	long15	5
39	042299039	Tox120, RBL04199-50ppb-1, 4/19/99	15MIN	long15	6
40	042299040	Tox120, RBL04199-100ppb-1, 4/19/99	15MIN	long15	7
41	042299041	Tox120, RBL04199-250ppb-1, 4/19/99	15MIN	long15	8
42	042299042	Tox120, RBL04199-500ppb-1, 4/19/99	15MIN	long15	9
43	042299043	Tox120, RBL04199-750ppb-1, 4/19/99	15MIN	long15	10
44	042299044	Tox120, RBL04199-1000ppb-1, 4/19/99	15MIN	long15	11

BACK TO MAIN

4/22/99
MEG

Masslynx - Sample List

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\042299b.SPL
Printed: Thu Apr 22 17:46:29 1999

Amelia 062498 LAC 05/10/99

	File Name	File Text	MS File	Inlet File	Bottle
1	042299045	MeOH Blank	13MIN-COMBI7IS-POAA	long2	91
2	042299046	Tox120, RBL04199-H2OBlk-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	1
3	042299047	Tox120, RBL04199-LivBlk-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	2
4	042299048	Tox120, RBL04199-5ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	3
5	042299049	Tox120, RBL04199-10ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	4
6	042299050	Tox120, RBL04199-25ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	5
7	042299051	Tox120, RBL04199-50ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	6
8	042299052	Tox120, RBL04199-100ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	7
9	042299053	Tox120, RBL04199-250ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	8
10	042299054	Tox120, RBL04199-500ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	9
11	042299055	Tox120, RBL04199-750ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	10
12	042299056	Tox120, RBL04199-1000ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	11
13	042299057	MeOH Blank	13MIN-COMBI7IS-POAA	long2	91
14	042299058	Tox120, RTL, 17M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	31
15	042299059	Tox120, RTL, 18M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	32
16	042299060	Tox120, RTL, 19M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	33
17	042299061	Tox120, RTL, 20M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	34
18	042299062	Tox120, RTL, 21M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	35
19	042299063	Tox120, RBL04199-250ppb-CC4, 4/19/99	13MIN-COMBI7IS-POAA	long2	84
20	042299064	MeOH Blank	13MIN-COMBI7IS-POAA	long2	92
21	042299065	Tox120, RTL, 22M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	36
22	042299066	Tox120, RTL, 23M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	37
23	042299067	Tox120, RTL, 24M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	38
24	042299068	Tox120, RTL, 25M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	39
25	042299069	Tox120, RTL, 26M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	40
26	042299070	Tox120, RBL04199-250ppb-CC5, 4/19/99	13MIN-COMBI7IS-POAA	long2	85
27	042299071	MeOH Blank	13MIN-COMBI7IS-POAA	long2	92
28	042299072	Tox120, RTL, 27M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	41
29	042299073	Tox120, RTL, 29M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	42
30	042299074	Tox120, RTL, 30M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	43
31	042299075	Tox120, RTL, 31M, G2, 4/19/99	13MIN-COMBI7IS-POAA	long2	44
32	042299076	Tox120, RBL04199-250ppb-CC6, 4/19/99	13MIN-COMBI7IS-POAA	long2	86
33	042299077	MeOH Blank	13MIN-COMBI7IS-POAA	long2	93
34	042299078	Tox120, RTL, 33M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	45
35	042299079	Tox120, RTL, 34M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	46
36	042299080	Tox120, RTL, 35M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	47
37	042299081	Tox120, RTL, 36M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	48
38	042299082	Tox120, RTL, 37M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	49
39	042299083	Tox120, RBL04199-250ppb-CC7, 4/19/99	13MIN-COMBI7IS-POAA	long2	87
40	042299084	MeOH Blank	13MIN-COMBI7IS-POAA	long2	93
41	042299085	Tox120, RTL, 38M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	50
42	042299086	Tox120, RTL, 39M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	51
43	042299087	Tox120, RTL, 40M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	52
44	042299088	Tox120, RTL, 41M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	53
45	042299089	Tox120, RTL, 42M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	54
46	042299090	Tox120, RBL04199-250ppb-CC8, 4/19/99	13MIN-COMBI7IS-POAA	long2	88
47	042299091	MeOH Blank	13MIN-COMBI7IS-POAA	long2	93
48	042299092	Tox120, RTL, 43M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	55
49	042299093	Tox120, RTL, 45M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	56
50	042299094	Tox120, RTL, 46M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	57
51	042299095	Tox120, RTL, 47M, G3, 4/19/99	13MIN-COMBI7IS-POAA	long2	58
52	042299096	Tox120, RBL04199-250ppb-CC9, 4/19/99	13MIN-COMBI7IS-POAA	long2	89
53	042299097	MeOH Blank	13MIN-COMBI7IS-POAA	long2	93
54	042299098	Tox120, RBL04199-H2OBlk-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	1
55	042299099	Tox120, RBL04199-LivBlk-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	2
56	042299100	Tox120, RBL04199-5ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	3
57	042299101	Tox120, RBL04199-10ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	4
58	042299102	Tox120, RBL04199-25ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	5
59	042299103	Tox120, RBL04199-50ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	6
60	042299104	Tox120, RBL04199-100ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	7

BACK TO MAIN

4/22/99 MCE

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\042299b.SPL
Printed: Thu Apr 22 17:46:29 1999

Amelia 062498 IAC 05/10/99

	File Name	File Text	MS File	Inlet File	Bottle
61	042299105	Tox120, RBL04199-250ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	8
62	042299106	Tox120, RBL04199-500ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	9
63	042299107	Tox120, RBL04199-750ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	10
64	042299108	Tox120, RBL04199-1000ppb-1, 4/19/99	13MIN-COMBI7IS-POAA	long2	11
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					

BACK TO MAIN

4

MEE

Scanning Method Report

Method: C:\MASSLYNX\RAT82.PRO\ACQUDB\13MIN-COMBI7IS-POAA
Last Modified: Thu Apr 22 16:50:10 1999

Printed: Thu Apr 22 16:50:16 1999 Amelia 062498 LAC 05/10/99

Solvent Delay (mins) : 0.00

Function : 1 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	413.00	169.00	0.30	30	15

Function : 2 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	469.00	119.00	0.30	45	35

Function : 3 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	569.00	119.00	0.30	45	35

Function : 4 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	419.00	119.00	0.30	45	35

Function : 5 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	519.00	119.00	0.30	45	35

Function : 6 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	499.00	99.00	0.30	45	60

Function : 7 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	399.00	80.00	0.30	45	60

Function : 8 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	427.00	80.00	0.30	40	60

BACK TO MAIN

4/22/99
MGE

Scanning Method Report

Method: C:\MASSLYNX\RATS2.PRO\ACQUDB\15MIN -4
Last Modified: Thu Apr 22 15:52:50 1999

Printed: Thu Apr 22 15:52:54 1999

Amelia 062498 LAC 05/10/99

Solvent Delay (mins) : 0.00

Function : 1 MRM of 4 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 15.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	299.00	80.00	0.30	45	60
2	299.00	99.00	0.30	45	60
3	299.00	130.00	0.30	45	60
4	299.00	180.00	0.30	45	60

BACK TO MAIN

4/22/99
MEG

Scanning Method Report

Method: C:\MASSLYNX\RATS2.PRO\ACQUDB\15MINPTBS-4
Last Modified: Thu Apr 22 15:52:50 1999

Printed: Thu Apr 22 15:52:54 1999

Amelia 062498 UAC 05/10/99

Solvent Delay (mins) : 0.00

Function : 1 MRM of 4 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 15.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	299.00	80.00	0.30	45	60
2	299.00	99.00	0.30	45	60
3	299.00	130.00	0.30	45	60
4	299.00	180.00	0.30	45	60

FACT: DATA REVIEW SUMMARY FORM

Date: 4/23/99

Analyst: kjh

FACT Study Number: TOX-120

Matrix: Male livers

Time Points: Group 4

Dilutions? some are

Analyte 1: (PFBS)
Acceptable Linear Range: 5-750 ppb
LOQ for this data set: 5ppb
Re-evaluated for different range? no

Analyte 2:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Analyte 3:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Analyte 4:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Analyte 5:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Analyte 6:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Analyte 7:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

kjh 4/23/99

Double peaks in chums, both peaks integrated.
Data's OK. kji 4/23/99

FACT: DATA REVIEW SUMMARY FORM

Date: 4/23/99

Analyst: kjh

FACT Study Number: TOX-120

Matrix: Male Livers

Time Points: Group 4

Dilutions? some are

Analyte 1:
Acceptable Linear Range: 5-750 ppb
LOQ for this data set: 5ppb
Re-evaluated for different range? no

Analyte 2:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Analyte 3:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Analyte 4:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Analyte 5:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Analyte 6:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

Analyte 7:
Acceptable Linear Range:
LOQ for this data set:
Re-evaluated for different range?

kjh 4/23/99

Double peaks in chroms, both peaks integrated.
Data's OK. kjh 4/23/99

BACK TO MAIN

Quantify Compound Summary Report

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\042299a
Last modified: Fri Apr 23 08:51:28 1999
Method: C:\MASSLYNX\rats2.PRO\MethDB\042299a
Last modified: Fri Apr 23 08:42:43 1999
Job Code:

Printed: Fri Apr 23 08:52:38 1999

Compound 1:

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	042299001	MeOH Blank			4.054	92	14.13	bb	
2	042299002	Tox120, RBL04199-H2OBlk-1, 4/19/99			4.211	84	12.75	bb	
3	042299003	Tox120, RBL04199-LivBlk-1, 4/19/99			4.389	25	2.85	bb	
4	042299004	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	5.00	4.385	49	7.01	bb	40
5	042299005	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	10.00	4.356	57	8.24	bb	-18
6	042299006	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	25.00	4.373	143	22.67	bb	-9
7	042299007	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	50.00	4.365	365	59.74	MM	19
8	042299008	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	100.00	4.369	689	114.00	MM	14
9	042299009	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	250.00	4.355	1433	238.55	MM	-5
10	042299010	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	500.00	4.366	3199	534.03	MM	7
11	042299011	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	750.00	4.366	4460	744.98	MM	-1
12	042299012	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1000.00	4.367	4981	832.14	MMX	-17
13	042299013	MeOH Blank			4.234	66	9.84	bb	
14	042299014	Tox120, RTL, 49M, G4, 4/19/99, D10			4.278	2461	410.47	MM	
15	042299015	Tox120, RTL, 50M, G4, 4/19/99, D10			4.274	1456	242.38	MM	
16	042299016	Tox120, RTL, 51M, G4, 4/19/99, D10			4.296	1474	245.31	MM	
17	042299017	Tox120, RTL, 52M, G4, 4/19/99, D10			4.274	1616	269.15	MM	
18	042299018	Tox120, RTL, 53M, G4, 4/19/99, D10			4.291	490	80.78	MM	
19	042299019	Tox120, RBL04199-250ppb-CC1, 4/19/99	QC	250.00	4.359	1511	251.60	MM	1
20	042299020	MeOH Blank			4.215	130	20.51	MM	
21	042299021	Tox120, RTL, 54M, G4, 4/19/99, D10			4.274	1218	202.59	MM	
22	042299022	Tox120, RTL, 55M, G4, 4/19/99, D10			4.282	2564	427.70	MM	
23	042299023	Tox120, RTL, 56M, G4, 4/19/99, D10			4.277	3449	575.86	MM	
24	042299024	Tox120, RTL, 57M, G4, 4/19/99,			4.407	1003	166.49	MM	
25	042299025	Tox120, RTL, 58M, G4, 4/19/99,			4.363	183	29.36	bb	
26	042299026	Tox120, RBL04199-250ppb-CC2, 4/19/99	QC	250.00	4.364	1501	249.79	MM	0
27	042299027	MeOH Blank			4.254	82	12.50	bb	
28	042299028	Tox120, RTL, 59M, G4, 4/19/99,			4.386	1107	183.95	MM	
29	042299029	Tox120, RTL, 61M, G4, 4/19/99,			4.390	156	24.78	bb	
30	042299030	Tox120, RTL, 62M, G4, 4/19/99,			4.386	251	40.80	MM	
31	042299031	Tox120, RTL, 63M, G4, 4/19/99,			4.374	69	10.34	bb	
32	042299032	Tox120, RBL04199-250ppb-CC1, 4/19/99	QC	250.00	4.375	1313	218.42	MM	-13
33	042299033	MeOH Blank			4.237	65	9.59	bb	
34	042299034	Tox120, RBL04199-H2OBlk-1, 4/19/99			4.257	88	13.38	bb	
35	042299035	Tox120, RBL04199-LivBlk-1, 4/19/99			4.402	36	4.81	bb	
36	042299036	Tox120, RBL04199-5ppb-1, 4/19/99	Standard	5.00	4.388	39	5.21	bb	4
37	042299037	Tox120, RBL04199-10ppb-1, 4/19/99	Standard	10.00	4.385	58	8.38	bb	-16
38	042299038	Tox120, RBL04199-25ppb-1, 4/19/99	Standard	25.00	4.385	137	21.62	bb	-14
39	042299039	Tox120, RBL04199-50ppb-1, 4/19/99	Standard	50.00	4.389	246	39.98	bb	-20
40	042299040	Tox120, RBL04199-100ppb-1, 4/19/99	Standard	100.00	4.390	631	104.30	MM	4
41	042299041	Tox120, RBL04199-250ppb-1, 4/19/99	Standard	250.00	4.387	1385	230.47	MM	-8
42	042299042	Tox120, RBL04199-500ppb-1, 4/19/99	Standard	500.00	4.389	3180	530.72	MM	6
43	042299043	Tox120, RBL04199-750ppb-1, 4/19/99	Standard	750.00	4.387	4252	710.11	MM	-5
44	042299044	Tox120, RBL04199-1000ppb-1, 4/19/99	Standard	1000.00	4.389	4487	749.38	MMX	-25

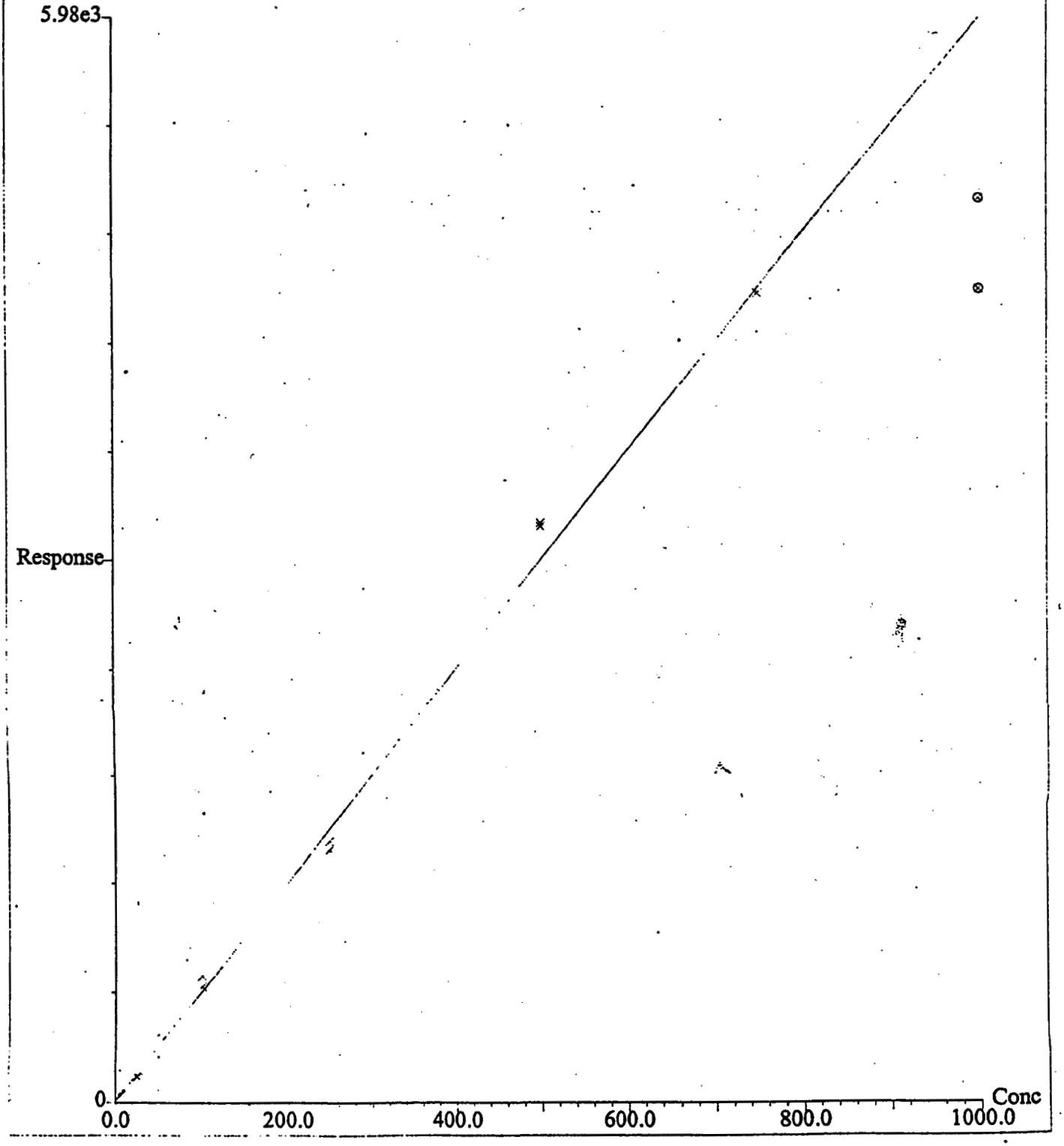
Entered MC 05/10/99

Amelia 062498: Reviewed and quantitated by kjh 4/23/99

Quantify Calibration Report

Calibration: C:\MASSLYNX\rats2.PRO\CurveDB\042299a
Last modified: Fri Apr 23 08:51:34 1999
Printed: Fri Apr 23 08:52:40 1999

Compound 1 name:
Coefficient of Determination: 0.995565
Calibration curve: 5.97710 * x + 7.52572
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Amelia 062498: Reviewed and quantitated by kjh 4/23/99

BACK TO MAIN

Method file: F:\amelia backup apr99\rats2.pro\Meth08\042299a.mdb
Last modified: Fri Apr 23 00:42:43 1999

Compound: 1:

Printed: Mon May 10 16:56:20 1999

Amelia 062498 LAC 05/10/99

Compound Name:
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 4.390, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0:079

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 434

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baseline

Join valley threshold: 20.00
Reduce peak tailing: 30.00
Raise baseline maximum: 5.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 0.00, Disabled

SOUP 020199: FACT Equipment Log 99014 **PAGE ____**
Quattro II, #6414E

DRB 05/14/99

DATE: 05/14/99

ANALYST: drb

STUDY NUMBER: Tox-120 MATRIX: Rat Liver DESCRIPTION: dilutions
FACT Method: ETS-8-5.0 .

Injection volume: 10 uL Cycle time: 9 min. Electrode: Z-Spray

Mobile Phase: (A) 2.0 mM NH4CH3CO2 (B) MeOH

TN-A- or stndrd number (A) 99011-6-9 (B) TN-A-2506

Prepared (date/by): (A) 04/28/99 drb (B) 04/26/99 drb

Expires: (A) 10/99 (B) 10/99

Store at room temp? [Y] or N Other:_____

Guard column: None

Part number: na Lot number: na

Analytical column: Keystone Betasil

Size: 2 x 50 mm Type: C18 Sphere size: 5 um

Part number: 055-701-2 Lot number: P7LO4 Serial number: 0481175Z

Analytical parameters:

Drying gas (L/hr): 350 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 55 bar

HPLC solvent gradient: 9min-2

Time (min.)	%B
1) 0.00	40.0
2) 1.00	40.0
3) 4.50	95.0
4) 6.50	95.0
5) 7.00	40.0

BACK TO MAIN

Tuning Method Report

Method: C:\MASSLYNX\FACT-1.PRO\ACQUDB\PFOS

Printed: Fri May 14 16:17:39 1999

DLS 05/14/99

MS

SOURCE (ESP-)	Set	Rdbk	MS1	Set	Rdbk
Capillary	3.00	2.98	LM Resolution	14.0	
Cone	60	-29	HM Resolution	14.0	
Extractor	5	-7	Ion Energy	2.0	
RF Lens	0.2		Ion Energy Ramp	0.0	
Source Block Temp.	150	153	Lens 6	5	6
Desolvation Temp.	250	248	Multiplier	650	

Pressures	Rdbk	MS2	Set	Rdbk
		LM Resolution	15.0	
Analyser Vacuum	3.3e-5	HM Resolution	15.0	
		Collision	45	42
Gas Cell	4.3e-3	Ion Energy	2.0	
		Ion Energy Ramp	0.0	
		Lens 8	40	40
		Lens 9	0	44
		Multiplier	650	

Masslynx - Sample List

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\051499c.SPL
Printed: Fri May 14 16:17:21 1999

DKB 05/14/99

	File Nam	File Text	MS File	Inlet I	Bottl	olume	Sample T	Conc A	Factor 1
1	05149906	MeOH Blank	TELMERS	9min-	96	10	Analyte		0.000
2	05149906	MeOH Blank	TELMERS	9min-	96	10	Analyte		0.000
3	05149906	Tox-120, RBL04199-H2OBlk-2, 4/19/99	TELMERS	9min-	41	10	Analyte		0.000
4	05149906	Tox-120, RBL04199-LBlk-2, 4/19/99	TELMERS	9min-	42	10	Analyte		0.000
5	05149906	Tox-120, RBL04199-5ppb-2, 4/19/99	TELMERS	9min-	43	10	Standard	4.93	0.000
6	05149906	Tox-120, RBL04199-10ppb-2, 4/19/99	TELMERS	9min-	44	10	Standard	9.76	0.000
7	05149906	Tox-120, RBL04199-25ppb-2, 4/19/99	TELMERS	9min-	45	10	Standard	24.8	0.000
8	05149906	Tox-120, RBL04199-50ppb-2, 4/19/99	TELMERS	9min-	46	10	Standard	49.3	0.000
9	05149906	Tox-120, RBL04199-100ppb-2, 4/19/99	TELMERS	9min-	47	10	Standard	97.6	0.000
10	05149907	Tox-120, RBL04199-250ppb-2, 4/19/99	TELMERS	9min-	48	10	Standard	248	0.000
11	05149907	Tox-120, RBL04199-500ppb-2, 4/19/99	TELMERS	9min-	49	10	Standard	493	0.000
12	05149907	Tox-120, RBL04199-750ppb-2, 4/19/99	TELMERS	9min-	50	10	Standard	735	0.000
13	05149907	Tox-120, RBL04199-1000ppb-2, 4/19/99	TELMERS	9min-	51	10	Standard	976	0.000
14	05149907	MeOH Blank	TELMERS	9min-	96	10	Analyte		0.000
15	05149907	Tox-120 23M G2 / D1:25	TELMERS	9min-	52	10	Analyte		0.000
16	05149907	Tox-120 24M G2 / D1:25	TELMERS	9min-	53	10	Analyte		0.000
17	05149907	Tox-120 25M G2 / D1:25	TELMERS	9min-	54	10	Analyte		0.000
18	05149907	Tox-120 26M G2 / D1:25	TELMERS	9min-	55	10	Analyte		0.000
19	05149907	Tox-120, RBL04199-250ppb-CC1, 4/19/99	TELMERS	9min-	56	10	Analyte		0.000
20	05149908	MeOH Blank	TELMERS	9min-	96	10	Analyte		0.000
21	05149908	Tox-120 33M G3 / D1:25	TELMERS	9min-	57	10	Analyte		0.000
22	05149908	Tox-120 34M G3 / D1:25	TELMERS	9min-	58	10	Analyte		0.000
23	05149908	Tox-120 35M G3 / D1:25	TELMERS	9min-	59	10	Analyte		0.000
24	05149908	Tox-120 36M G3 / D1:25	TELMERS	9min-	60	10	Analyte		0.000
25	05149908	Tox-120 37M G3 / D1:25	TELMERS	9min-	61	10	Analyte		0.000
26	05149908	Tox-120 38M G3 / D1:25	TELMERS	9min-	62	10	Analyte		0.000
27	05149908	Tox-120 39M G3 / D1:25	TELMERS	9min-	63	10	Analyte		0.000
28	05149908	Tox-120 40M G3 / D1:25	TELMERS	9min-	64	10	Analyte		0.000
29	05149908	Tox-120, RBL04199-250ppb-CC3, 4/19/99	TELMERS	9min-	65	10	Analyte		0.000
30	05149909	MeOH Blank	TELMERS	9min-	97	10	Analyte		0.000
31	05149909	Tox-120 27M G2 / D1:10	TELMERS	9min-	66	10	Analyte		0.000
32	05149909	Tox-120 29M G2 / D1:10	TELMERS	9min-	67	10	Analyte		0.000
33	05149909	Tox-120 30M G2 / D1:10	TELMERS	9min-	68	10	Analyte		0.000
34	05149909	Tox-120 31M G2 / D1:10	TELMERS	9min-	69	10	Analyte		0.000
35	05149909	Tox-120, RBL04199-250ppb-CC4, 4/19/99	TELMERS	9min-	70	10	Analyte		0.000
36	05149909	MeOH Blank	TELMERS	9min-	97	10	Analyte		0.000
37	05149909	Tox-120 42M G3 / D1:10	TELMERS	9min-	71	10	Analyte		0.000
38	05149909	Tox-120 43M G3 / D1:10	TELMERS	9min-	72	10	Analyte		0.000
39	05149909	Tox-120 45M G3 / D1:10	TELMERS	9min-	73	10	Analyte		0.000
40	05149910	Tox-120 46M G3 / D1:10	TELMERS	9min-	74	10	Analyte		0.000
41	05149910	Tox-120 47M G3 / D1:10	TELMERS	9min-	75	10	Analyte		0.000
42	05149910	Tox-120, RBL04199-250ppb-CC5, 4/19/99	TELMERS	9min-	76	10	Analyte		0.000
43	05149910	MeOH Blank	TELMERS	9min-	98	10	Analyte		0.000
44	05149910	Tox-120, RBL04199-H2OBlk-2, 4/19/99	TELMERS	9min-	41	10	Analyte		0.000
45	05149910	Tox-120, RBL04199-LBlk-2, 4/19/99	TELMERS	9min-	42	10	Analyte		0.000
46	05149910	Tox-120, RBL04199-5ppb-2, 4/19/99	TELMERS	9min-	43	10	Standard	4.93	0.000
47	05149910	Tox-120, RBL04199-10ppb-2, 4/19/99	TELMERS	9min-	44	10	Standard	9.76	0.000
48	05149910	Tox-120, RBL04199-25ppb-2, 4/19/99	TELMERS	9min-	45	10	Standard	24.8	0.000
49	05149910	Tox-120, RBL04199-50ppb-2, 4/19/99	TELMERS	9min-	46	10	Standard	49.3	0.000
50	05149911	Tox-120, RBL04199-100ppb-2, 4/19/99	TELMERS	9min-	47	10	Standard	97.6	0.000
51	05149911	Tox-120, RBL04199-250ppb-2, 4/19/99	TELMERS	9min-	48	10	Standard	248	0.000
52	05149911	Tox-120, RBL04199-500ppb-2, 4/19/99	TELMERS	9min-	49	10	Standard	493	0.000
53	05149911	Tox-120, RBL04199-750ppb-2, 4/19/99	TELMERS	9min-	50	10	Standard	735	0.000
54	05149911	Tox-120, RBL04199-1000ppb-2, 4/19/99	TELMERS	9min-	51	10	Standard	976	0.000

BACK TO MAIN

Scanning Method Report

Method: C:\MASSLYNX\FACT-1.PRO\ACQUDB\TELMER9
Last Modified: Fri May 14 15:50:06 1999

Printed: Fri May 14 16:17:28 1999

DLS 05/14/99

Solvent Delay (mins) : 0.00

Function : 1 MRM of 3 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	413.00	119.00	0.25	30	15
2	413.00	169.00	0.25	20	15
3	413.00	219.00	0.25	30	15

Function : 2 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	463.00	219.00	0.40	20	35

Function : 3 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	513.00	219.00	0.40	20	35

Function : 4 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	563.00	219.00	0.40	25	30

Function : 5 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	613.00	219.00	0.40	20	40

Function : 6 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	427.00	80.00	0.40	40	60

BACK TO MAIN

FACT: DATA REVIEW SUMMARY FORM

Date: 05/18/99

Analyst: drb

FACT Study Number TOX-120

Matrix Rat Liver

Time Points 62+63

Dilutions? 1:25 & 1:10 dil.

Analyte 1: POAA
Acceptable Linear Range: 5-750ppb
LOQ for this data set: 100 LOD: <5ppb
Re-evaluated for different range? —

Analyte 2: M463
Acceptable Linear Range: – NO STD's –
LOQ for this data set: —
Re-evaluated for different range? —

Analyte 3: M563
Acceptable Linear Range: 10-750ppb
LOQ for this data set: 10ppb
Re-evaluated for different range? —

Analyte 4: M563
Acceptable Linear Range: – NO STD's –
LOQ for this data set: —
Re-evaluated for different range? —

Analyte 5: M613
Acceptable Linear Range: 25-750ppb
LOQ for this data set: 50ppb
Re-evaluated for different range? —

Analyte 6: IS
Acceptable Linear Range: —
LOQ for this data set: —
Re-evaluated for different range? —

Analyte 7: —
Acceptable Linear Range: LAC 05/20/99
LOQ for this data set:
Re-evaluated for different range?

* For M463 the LOD is approximately 15 area counts and the levels found for the G3 D1:25+D1:10 samples are above background.

* For M563 the LOD is approximately 15 area counts and the levels found for the G2 D1:25+D1:10 samples are above background

DRB 05/18/99

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver Dilutions

DRB 05/18/99

Sample List: S:\FACT-1.PRO\SampleDB\051499c
Last modified: Mon May 17 14:14:20 1999
Method: S:\FACT-1.PRO\MethDB\051499c
Last modified: Mon May 17 14:23:38 1999
Job Code:

Printed: Tue May 18 08:22:40 1999

Compound 1: POAA

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	051499061	MeOH Blank	Analyte							
2	051499062	MeOH Blank	Analyte							
3	051499063	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte							
4	051499064	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte							
5	051499065	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56	5.050	72	71.686	9.88	MM	78
6	051499066	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10						
7	051499067	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80	5.047	132	132.374	55.49	bb	100
8	051499068	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60	5.050	113	113.329	41.18	bb	-26
9	051499069	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00	5.049	175	175.242	87.71	bb	-21
10	051499070	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00	5.049	406	406.110	261.22	bb	-6
11	051499071	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00	5.036	801	800.930	557.95	bb	0
12	051499072	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00	5.048	1123	1122.779	799.83	bb	-4
13	051499073	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00	5.048	1283	1282.724	920.04	bbX	-17
14	051499074	MeOH Blank	Analyte							
15	051499075	Tox-120 23M G2 / D1:25	Analyte		5.050	368	368.371	232.86	bb	
16	051499076	Tox-120 24M G2 / D1:25	Analyte		5.048	592	592.299	401.15	bb	
17	051499077	Tox-120 25M G2 / D1:25	Analyte		5.049	283	282.603	168.40	bb	
18	051499078	Tox-120 26M G2 / D1:25	Analyte		5.049	255	254.927	147.60	bb	
19	051499079	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00	5.049	464	463.685	304.49	bb	10
20	051499080	MeOH Blank	Analyte							
21	051499081	Tox-120 33M G3 / D1:25	Analyte		5.048	383	382.606	243.55	bb	
22	051499082	Tox-120 34M G3 / D1:25	Analyte		5.050	601	601.330	407.94	bb	
23	051499083	Tox-120 35M G3 / D1:25	Analyte		5.050	481	480.556	317.17	bb	
24	051499084	Tox-120 36M G3 / D1:25	Analyte		5.050	515	515.341	343.31	bb	
25	051499085	Tox-120 37M G3 / D1:25	Analyte		5.056	503	502.581	333.72	bb	
26	051499086	Tox-120 38M G3 / D1:25	Analyte		5.049	591	590.622	399.89	bb	
27	051499087	Tox-120 39M G3 / D1:25	Analyte		5.048	465	464.784	305.32	bb	
28	051499088	Tox-120 40M G3 / D1:25	Analyte		5.049	598	597.567	405.11	bb	
29	051499089	Tox-120, RBL04199-250ppb-CC3, 4/19/99	QC	278.00	5.049	485	485.149	320.62	bb	15
30	051499090	MeOH Blank	Analyte							
31	051499091	Tox-120 27M G2 / D1:10	Analyte		5.050	440	439.886	286.60	bb	
32	051499092	Tox-120 29M G2 / D1:10	Analyte		5.048	268	268.097	157.50	bb	
33	051499093	Tox-120 30M G2 / D1:10	Analyte		5.049	281	280.775	167.02	bb	
34	051499094	Tox-120 31M G2 / D1:10	Analyte		5.050	326	325.677	200.77	bb	
35	051499095	Tox-120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00	5.050	508	508.135	337.90	bb	22
36	051499096	MeOH Blank	Analyte							
37	051499097	Tox-120 42M G3 / D1:10	Analyte		5.048	263	262.546	153.32	bb	
38	051499098	Tox-120 43M G3 / D1:10	Analyte		5.049	563	562.997	379.13	bb	
39	051499099	Tox-120 45M G3 / D1:10	Analyte		5.048	214	213.511	116.47	bb	
40	051499100	Tox-120 46M G3 / D1:10	Analyte		5.049	177	177.013	89.04	bb	
41	051499101	Tox-120 47M G3 / D1:10	Analyte		5.048	288	287.691	172.22	MM	
42	051499102	Tox-120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00	5.049	471	471.073	310.04	bb	12
43	051499103	MeOH Blank	Analyte							
44	051499104	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte		5.052	81	81.083	16.95	MM	
45	051499105	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte		5.048	58	57.712	0.00	MM	
46	051499106	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56	5.049	113	112.987	40.92	bbX	636
47	051499107	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10	5.051	39	38.519	0.00	MM	-100
48	051499108	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80	5.050	139	138.857	60.37	bb	117
49	051499109	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60	5.049	105	104.892	34.84	bb	-37
50	051499110	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00	5.050	249	248.672	142.90	bb	29
51	051499111	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00	5.050	429	429.161	278.54	bb	0
52	051499112	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00	5.049	837	837.128	585.15	bb	5
53	051499113	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00	5.048	1175	1175.497	839.45	bb	1
54	051499114	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00	5.051	1380	1379.791	992.99	MMX	-11

Entered LAC 05/20/99

Soup 020199, Reviewed and quantitated by drb 5/17/99

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver Dilutions

Sample List: S:\FACT-1.PRO\SampleDB\051499c
Last modified: Mon May 17 14:14:20 1999
Method: S:\FACT-1.PRO\MethDB\051499c
Last modified: Mon May 17 14:23:38 1999
Job Code:

Printed: Tue May 18 08:22:40 1999

DKB
5/18/99

Compound 2: M463

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	051499061	MeOH Blank	Analyte							
2	051499062	MeOH Blank	Analyte							
3	051499063	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte							
4	051499064	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte							
5	051499065	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56						
6	051499066	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10						
7	051499067	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80						
8	051499068	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60						
9	051499069	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00						
10	051499070	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00						
11	051499071	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00						
12	051499072	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00						
13	051499073	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00						
14	051499074	MeOH Blank	Analyte							
15	051499075	Tox-120 23M G2 / D1:25	Analyte		5.307	613	612.731		bbI	
16	051499076	Tox-120 24M G2 / D1:25	Analyte		5.306	637	636.927		bbI	
17	051499077	Tox-120 25M G2 / D1:25	Analyte		5.307	509	509.037		bbI	
18	051499078	Tox-120 26M G2 / D1:25	Analyte		5.307	473	472.806		bbI	
19	051499079	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00						
20	051499080	MeOH Blank	Analyte							
21	051499081	Tox-120 33M G3 / D1:25	Analyte		5.306	48	48.048		MMI	
22	051499082	Tox-120 34M G3 / D1:25	Analyte		5.308	49	48.581		MMI	
23	051499083	Tox-120 35M G3 / D1:25	Analyte		5.308	47	46.922		MMI	
24	051499084	Tox-120 36M G3 / D1:25	Analyte		5.308	44	43.598		MMI	
25	051499085	Tox-120 37M G3 / D1:25	Analyte		5.315	44	43.676		MMI	
26	051499086	Tox-120 38M G3 / D1:25	Analyte		5.307	35	34.651		MMI	
27	051499087	Tox-120 39M G3 / D1:25	Analyte		5.306	44	44.313		MMI	
28	051499088	Tox-120 40M G3 / D1:25	Analyte		5.307	43	42.794		MMI	
29	051499089	Tox-120, RBL04199-250ppb-CC3, 4/19/99	QC	278.00						
30	051499090	MeOH Blank	Analyte							
31	051499091	Tox-120 27M G2 / D1:10	Analyte		5.308	1080	1079.684		bbI	
32	051499092	Tox-120 29M G2 / D1:10	Analyte		5.306	1367	1367.145		bbI	
33	051499093	Tox-120 30M G2 / D1:10	Analyte		5.307	1207	1206.705		bbI	
34	051499094	Tox-120 31M G2 / D1:10	Analyte		5.307	1023	1022.573		bbI	
35	051499095	Tox-120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00						
36	051499096	MeOH Blank	Analyte							
37	051499097	Tox-120 42M G3 / D1:10	Analyte		5.306	66	66.125		MMI	
38	051499098	Tox-120 43M G3 / D1:10	Analyte		5.307	83	83.086		bbI	
39	051499099	Tox-120 45M G3 / D1:10	Analyte		5.306	50	50.209		MMI	
40	051499100	Tox-120 46M G3 / D1:10	Analyte		5.307	63	63.197		MMI	
41	051499101	Tox-120 47M G3 / D1:10	Analyte		5.306	55	55.155		MMI	
42	051499102	Tox-120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00						
43	051499103	MeOH Blank	Analyte							
44	051499104	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte							
45	051499105	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte							
46	051499106	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56						
47	051499107	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10						
48	051499108	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80						
49	051499109	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60						
50	051499110	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00						
51	051499111	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00						
52	051499112	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00						
53	051499113	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00						
54	051499114	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00						

Soup 020199, Reviewed and quantitated by drb 5/17/99

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver Dilutions

Sample List: S:\FACT-1.PRO\SampleDB\051499c
Last modified: Mon May 17 14:14:20 1999
Method: S:\FACT-1.PRO\MethDB\051499c
Last modified: Mon May 17 14:23:38 1999
Job Code:

Printed: Tue May 18 08:22:40 1999

DKB 05/18/99

Compound 3: M513

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	051499061	MeOH Blank	Analyte							
2	051499062	MeOH Blank	Analyte							
3	051499063	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte							
4	051499064	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte							
5	051499065	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56						
6	051499066	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10	5.466	13	13.419	10.23	MM	-8
7	051499067	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80	5.463	34	34.422	33.18	MM	19
8	051499068	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60	5.464	49	48.961	49.07	MM	-12
9	051499069	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00	5.464	128	127.672	135.10	bb	22
10	051499070	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00	5.465	253	253.440	272.54	bb	-2
11	051499071	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00	5.500	467	466.900	505.83	bb	-9
12	051499072	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00	5.464	763	763.341	829.80	bb	0
13	051499073	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00	5.514	764	764.046	830.57	bbX	-25
14	051499074	MeOH Blank	Analyte							
15	051499075	Tox-120 23M G2 / D1:25	Analyte		5.515	79	78.528	81.39	MM	
16	051499076	Tox-120 24M G2 / D1:25	Analyte		5.513	103	103.445	108.62	bb	
17	051499077	Tox-120 25M G2 / D1:25	Analyte		5.514	59	58.790	59.82	MM	
18	051499078	Tox-120 26M G2 / D1:25	Analyte		5.514	86	86.441	90.03	bb	
19	051499079	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00	5.515	245	244.847	263.15	bb	-5
20	051499080	MeOH Blank	Analyte							
21	051499081	Tox-120 33M G3 / D1:25	Analyte		5.514	90	89.556	93.44	bb	
22	051499082	Tox-120 34M G3 / D1:25	Analyte		5.515	76	76.379	79.04	MM	
23	051499083	Tox-120 35M G3 / D1:25	Analyte		5.516	66	65.982	67.68	MM	
24	051499084	Tox-120 36M G3 / D1:25	Analyte		5.516	69	69.198	71.19	MM	
25	051499085	Tox-120 37M G3 / D1:25	Analyte		5.523	71	70.905	73.06	MM	
26	051499086	Tox-120 38M G3 / D1:25	Analyte		5.515	49	48.849	48.95	MM	
27	051499087	Tox-120 39M G3 / D1:25	Analyte		5.514	66	66.234	67.95	MM	
28	051499088	Tox-120 40M G3 / D1:25	Analyte		5.515	64	64.294	65.83	MM	
29	051499089	Tox-120, RBL04199-250ppb-CC3, 4/19/99	QC	278.00	5.514	241	241.294	259.27	bb	-7
30	051499090	MeOH Blank	Analyte							
31	051499091	Tox-120 27M G2 / D1:10	Analyte		5.514	136	135.719	143.89	bb	
32	051499092	Tox-120 29M G2 / D1:10	Analyte		5.514	173	173.108	184.75	bb	
33	051499093	Tox-120 30M G2 / D1:10	Analyte		5.514	116	116.489	122.87	bb	
34	051499094	Tox-120 31M G2 / D1:10	Analyte		5.515	138	137.808	146.17	bb	
35	051499095	Tox-120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00	5.515	275	274.745	295.83	bb	6
36	051499096	MeOH Blank	Analyte							
37	051499097	Tox-120 42M G3 / D1:10	Analyte		5.514	111	110.694	116.54	bb	
38	051499098	Tox-120 43M G3 / D1:10	Analyte		5.515	121	121.136	127.95	bb	
39	051499099	Tox-120 45M G3 / D1:10	Analyte		5.512	68	67.748	69.61	MM	
40	051499100	Tox-120 46M G3 / D1:10	Analyte		5.514	93	93.064	97.27	bb	
41	051499101	Tox-120 47M G3 / D1:10	Analyte		5.514	71	71.230	73.41	MM	
42	051499102	Tox-120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00	5.515	244	244.465	262.74	bb	-5
43	051499103	MeOH Blank	Analyte							
44	051499104	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte							
45	051499105	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte							
46	051499106	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56						
47	051499107	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10	5.516	15	14.743	11.68	MM	5
48	051499108	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80	5.515	23	23.309	21.04	MM	-24
49	051499109	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60	5.513	50	50.399	50.65	MM	-9
50	051499110	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00	5.514	116	116.114	122.46	bb	10
51	051499111	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00	5.516	262	262.095	282.00	bb	1
52	051499112	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00	5.515	547	546.872	593.23	bb	7
53	051499113	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00	5.513	762	761.863	828.19	bb	-1
54	051499114	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00	5.516	773	772.968	840.32	MMX	-24

Entered LAC 05/20/99

Soup 020199, Reviewed and quantitated by drb 5/17/99

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver Dilutions

Sample List: S:\FACT-1.PRO\SampleDB\051499c
Last modified: Mon May 17 14:14:20 1999
Method: S:\FACT-1.PRO\MethDB\051499c
Last modified: Mon May 17 14:23:38 1999
Job Code:

Printed: Tue May 18 08:22:40 1999

DRB
05/18/99

Compound 4: M563

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	051499061	MeOH Blank	Analyte							
2	051499062	MeOH Blank	Analyte							
3	051499063	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte							
4	051499064	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte							
5	051499065	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56						
6	051499066	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10						
7	051499067	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80						
8	051499068	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60						
9	051499069	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00						
10	051499070	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00						
11	051499071	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00						
12	051499072	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00						
13	051499073	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00						
14	051499074	MeOH Blank	Analyte							
15	051499075	Tox-120 23M G2 / D1:25	Analyte							
16	051499076	Tox-120 24M G2 / D1:25	Analyte		5.671	44	44.162		MMI	
17	051499077	Tox-120 25M G2 / D1:25	Analyte		5.671	15	14.826		MMI	
18	051499078	Tox-120 26M G2 / D1:25	Analyte		5.671	21	20.809		MMI	
19	051499079	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00						
20	051499080	MeOH Blank	Analyte							
21	051499081	Tox-120 33M G3 / D1:25	Analyte							
22	051499082	Tox-120 34M G3 / D1:25	Analyte							
23	051499083	Tox-120 35M G3 / D1:25	Analyte							
24	051499084	Tox-120 36M G3 / D1:25	Analyte							
25	051499085	Tox-120 37M G3 / D1:25	Analyte							
26	051499086	Tox-120 38M G3 / D1:25	Analyte							
27	051499087	Tox-120 39M G3 / D1:25	Analyte							
28	051499088	Tox-120 40M G3 / D1:25	Analyte							
29	051499089	Tox-120, RBL04199-250ppb-CC3, 4/19/99	QC	278.00						
30	051499090	MeOH Blank	Analyte							
31	051499091	Tox-120 27M G2 / D1:10	Analyte		5.672	45	45.418		MMI	
32	051499092	Tox-120 29M G2 / D1:10	Analyte		5.672	70	70.127		MMI	
33	051499093	Tox-120 30M G2 / D1:10	Analyte		5.671	45	44.525		MMI	
34	051499094	Tox-120 31M G2 / D1:10	Analyte		5.672	47	47.121		MMI	
35	051499095	Tox-120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00						
36	051499096	MeOH Blank	Analyte							
37	051499097	Tox-120 42M G3 / D1:10	Analyte							
38	051499098	Tox-120 43M G3 / D1:10	Analyte							
39	051499099	Tox-120 45M G3 / D1:10	Analyte							
40	051499100	Tox-120 46M G3 / D1:10	Analyte							
41	051499101	Tox-120 47M G3 / D1:10	Analyte							
42	051499102	Tox-120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00						
43	051499103	MeOH Blank	Analyte							
44	051499104	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte							
45	051499105	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte							
46	051499106	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56						
47	051499107	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10						
48	051499108	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80						
49	051499109	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60						
50	051499110	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00						
51	051499111	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00						
52	051499112	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00						
53	051499113	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00						
54	051499114	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00						

Soup 020199, Reviewed and quantitated by drb 5/17/99

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver Dilutions

Sample List: S:\FACT-1.PRO\SampleDB\051499c
Last modified: Mon May 17 14:14:20 1999
Method: S:\FACT-1.PRO\MethDB\051499c
Last modified: Mon May 17 14:23:38 1999
Job Code:

Printed: Tue May 18 08:22:40 1999

DRB 05/18/99

Compound 5: M613

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	051499061	MeOH Blank	Analyte							
2	051499062	MeOH Blank	Analyte							
3	051499063	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte							
4	051499064	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte							
5	051499065	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56						
6	051499066	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10						
7	051499067	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80	5.827	22	21.920	37.96	MM	37
8	051499068	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60	5.780	31	30.955	57.72	MM	4
9	051499069	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00	5.779	56	56.391	113.36	MM	2
10	051499070	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00	5.779	131	130.633	275.75	bb	-1
11	051499071	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00	5.816	251	251.286	539.65	bb	-3
12	051499072	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00	5.830	375	375.092	810.45	bb	-3
13	051499073	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00	5.828	410	410.169	887.18	bbX	-20
14	051499074	MeOH Blank	Analyte							
15	051499075	Tox-120 23M G2 / D1:25	Analyte							
16	051499076	Tox-120 24M G2 / D1:25	Analyte							
17	051499077	Tox-120 25M G2 / D1:25	Analyte							
18	051499078	Tox-120 26M G2 / D1:25	Analyte							
19	051499079	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00	5.830	142	142.146	300.93	bb	8
20	051499080	MeOH Blank	Analyte							
21	051499081	Tox-120 33M G3 / D1:25	Analyte							
22	051499082	Tox-120 34M G3 / D1:25	Analyte							
23	051499083	Tox-120 35M G3 / D1:25	Analyte							
24	051499084	Tox-120 36M G3 / D1:25	Analyte							
25	051499085	Tox-120 37M G3 / D1:25	Analyte							
26	051499086	Tox-120 38M G3 / D1:25	Analyte							
27	051499087	Tox-120 39M G3 / D1:25	Analyte							
28	051499088	Tox-120 40M G3 / D1:25	Analyte							
29	051499089	Tox-120, RBL04199-250ppb-CC3, 4/19/99	QC	278.00	5.829	131	130.756	276.01	bb	-1
30	051499090	MeOH Blank	Analyte							
31	051499091	Tox-120 27M G2 / D1:10	Analyte							
32	051499092	Tox-120 29M G2 / D1:10	Analyte							
33	051499093	Tox-120 30M G2 / D1:10	Analyte							
34	051499094	Tox-120 31M G2 / D1:10	Analyte							
35	051499095	Tox-120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00	5.830	150	149.709	317.47	bb	14
36	051499096	MeOH Blank	Analyte							
37	051499097	Tox-120 42M G3 / D1:10	Analyte							
38	051499098	Tox-120 43M G3 / D1:10	Analyte							
39	051499099	Tox-120 45M G3 / D1:10	Analyte							
40	051499100	Tox-120 46M G3 / D1:10	Analyte							
41	051499101	Tox-120 47M G3 / D1:10	Analyte							
42	051499102	Tox-120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00	5.829	152	151.621	321.65	bb	16
43	051499103	MeOH Blank	Analyte							
44	051499104	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte							
45	051499105	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte							
46	051499106	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56						
47	051499107	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10						
48	051499108	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80	5.830	14	13.778	20.15	MM	-28
49	051499109	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60	5.829	26	26.376	47.70	MM	-14
50	051499110	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00	5.830	52	51.950	103.64	MM	-7
51	051499111	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00	5.830	137	137.099	289.89	bb	4
52	051499112	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00	5.829	286	285.988	615.56	bb	11
53	051499113	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00	5.829	375	375.333	810.98	bb	-3
54	051499114	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00	5.831	419	418.935	906.35	MMX	-18

Soup 020199, Reviewed and quantitated by drb 5/17/99

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver Dilutions

Sample List: S:\FACT-1.PRO\SampleDB\051499c
Last modified: Mon May 17 14:14:20 1999
Method: S:\FACT-1.PRO\MethDB\051499c
Last modified: Mon May 17 14:23:38 1999
Job Code:

Printed: Tue May 18 08:22:40 1999

DRB 5/18/99

Compound 6: IS

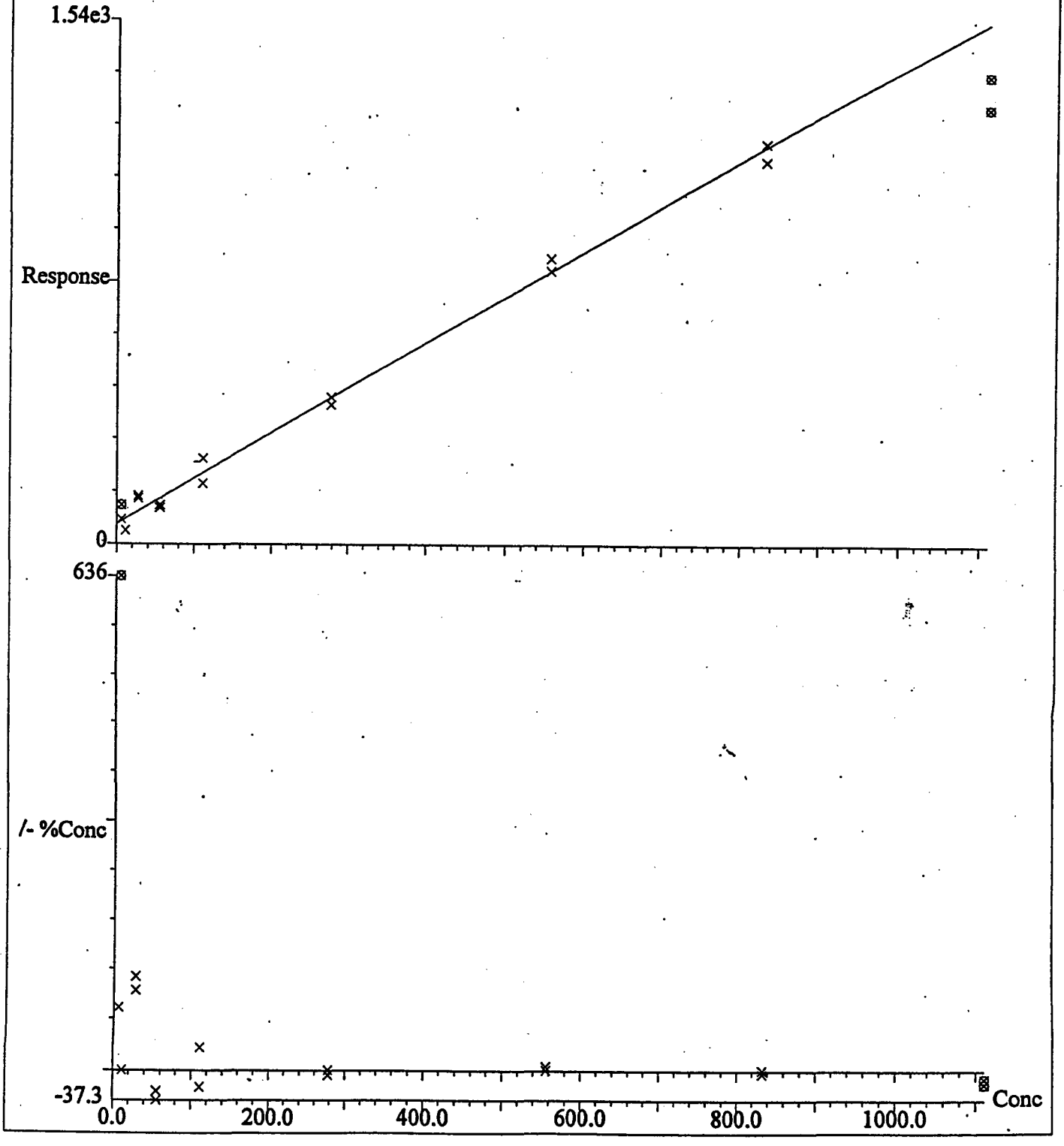
#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	051499061	MeOH Blank	Analyte							
2	051499062	MeOH Blank	Analyte							
3	051499063	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte		5.036	2407	2406.723	0.98	bb	-2
4	051499064	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte		5.035	2496	2496.454	1.01	bb	1
5	051499065	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	1.00	5.036	2699	2699.373	1.09	bb	9
6	051499066	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	1.00	5.036	2722	2722.382	1.10	bb	10
7	051499067	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	1.00	5.033	2446	2446.267	0.99	bb	-1
8	051499068	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	1.00	5.036	2280	2280.384	0.92	bb	-8
9	051499069	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	1.00	5.034	2566	2565.513	1.04	bb	4
10	051499070	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	1.00	5.035	2352	2351.564	0.95	bb	-5
11	051499071	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	1.00	5.023	2408	2408.171	0.98	bb	-2
12	051499072	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	1.00	5.034	2309	2308.686	0.94	bb	-6
13	051499073	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1.00	5.034	2302	2301.694	0.93	bb	-7
14	051499074	MeOH Blank	Analyte							
15	051499075	Tox-120 23M G2 / D1:25	Analyte		5.036	81	81.237	0.03	bb	-97
16	051499076	Tox-120 24M G2 / D1:25	Analyte		5.034	109	109.041	0.04	bb	-96
17	051499077	Tox-120 25M G2 / D1:25	Analyte		5.035	74	74.247	0.03	MM	-97
18	051499078	Tox-120 26M G2 / D1:25	Analyte		5.035	70	69.750	0.03	MM	-97
19	051499079	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	1.00	5.035	2336	2336.227	0.95	bb	-5
20	051499080	MeOH Blank	Analyte							
21	051499081	Tox-120 33M G3 / D1:25	Analyte		5.034	170	169.517	0.07	bb	-93
22	051499082	Tox-120 34M G3 / D1:25	Analyte		5.036	81	80.550	0.03	bb	-97
23	051499083	Tox-120 35M G3 / D1:25	Analyte		5.036	71	71.387	0.03	MM	-97
24	051499084	Tox-120 36M G3 / D1:25	Analyte		5.036	95	94.601	0.04	bb	-96
25	051499085	Tox-120 37M G3 / D1:25	Analyte		5.042	84	84.019	0.03	bb	-97
26	051499086	Tox-120 38M G3 / D1:25	Analyte		5.035	83	82.882	0.03	bb	-97
27	051499087	Tox-120 39M G3 / D1:25	Analyte		5.034	97	96.582	0.04	bb	-96
28	051499088	Tox-120 40M G3 / D1:25	Analyte		5.035	73	72.744	0.03	MM	-97
29	051499089	Tox-120, RBL04199-250ppb-CC3, 4/19/99	QC	1.00	5.035	2253	2253.416	0.91	bb	-9
30	051499090	MeOH Blank	Analyte							
31	051499091	Tox-120 27M G2 / D1:10	Analyte		5.037	163	163.472	0.07	bb	-93
32	051499092	Tox-120 29M G2 / D1:10	Analyte		5.034	198	198.362	0.08	bb	-92
33	051499093	Tox-120 30M G2 / D1:10	Analyte		5.035	184	183.888	0.07	bb	-93
34	051499094	Tox-120 31M G2 / D1:10	Analyte		5.036	179	178.796	0.07	bb	-93
35	051499095	Tox-120, RBL04199-250ppb-CC4, 4/19/99	QC	1.00	5.036	2464	2464.372	1.00	bb	0
36	051499096	MeOH Blank	Analyte							
37	051499097	Tox-120 42M G3 / D1:10	Analyte		5.034	214	213.740	0.09	bb	-91
38	051499098	Tox-120 43M G3 / D1:10	Analyte		5.035	175	174.571	0.07	bb	-93
39	051499099	Tox-120 45M G3 / D1:10	Analyte		5.034	164	163.908	0.07	bb	-93
40	051499100	Tox-120 46M G3 / D1:10	Analyte		5.035	170	169.648	0.07	bb	-93
41	051499101	Tox-120 47M G3 / D1:10	Analyte		5.034	161	160.737	0.07	bb	-93
42	051499102	Tox-120, RBL04199-250ppb-CC5, 4/19/99	QC	1.00	5.035	2414	2413.697	0.98	bb	-2
43	051499103	MeOH Blank	Analyte							
44	051499104	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte		5.038	2416	2415.683	0.98	bb	-2
45	051499105	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte		5.034	2396	2395.952	0.97	bb	-3
46	051499106	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	1.00	5.035	2542	2541.736	1.03	bb	3
47	051499107	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	1.00	5.037	2751	2751.209	1.12	bb	12
48	051499108	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	1.00	5.036	2500	2500.397	1.01	bb	1
49	051499109	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	1.00	5.035	2337	2336.569	0.95	bb	-5
50	051499110	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	1.00	5.036	2586	2585.568	1.05	bb	5
51	051499111	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	1.00	5.036	2464	2463.607	1.00	bb	0
52	051499112	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	1.00	5.035	2333	2333.406	0.95	bb	-5
53	051499113	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	1.00	5.034	2355	2355.073	0.95	bb	-5
54	051499114	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1.00	5.037	2457	2457.479	1.00	MM	0

Soup 020199, Reviewed and quantitated by drb 5/17/99

Quantify Calibration Report
TOX-120 Rat Liver Dilutions

Calibration: S:\FACT-1.PRO\CurveDB\051499c
Last modified: Tue May 18 08:21:03 1999
Printed: Tue May 18 08:22:53 1999

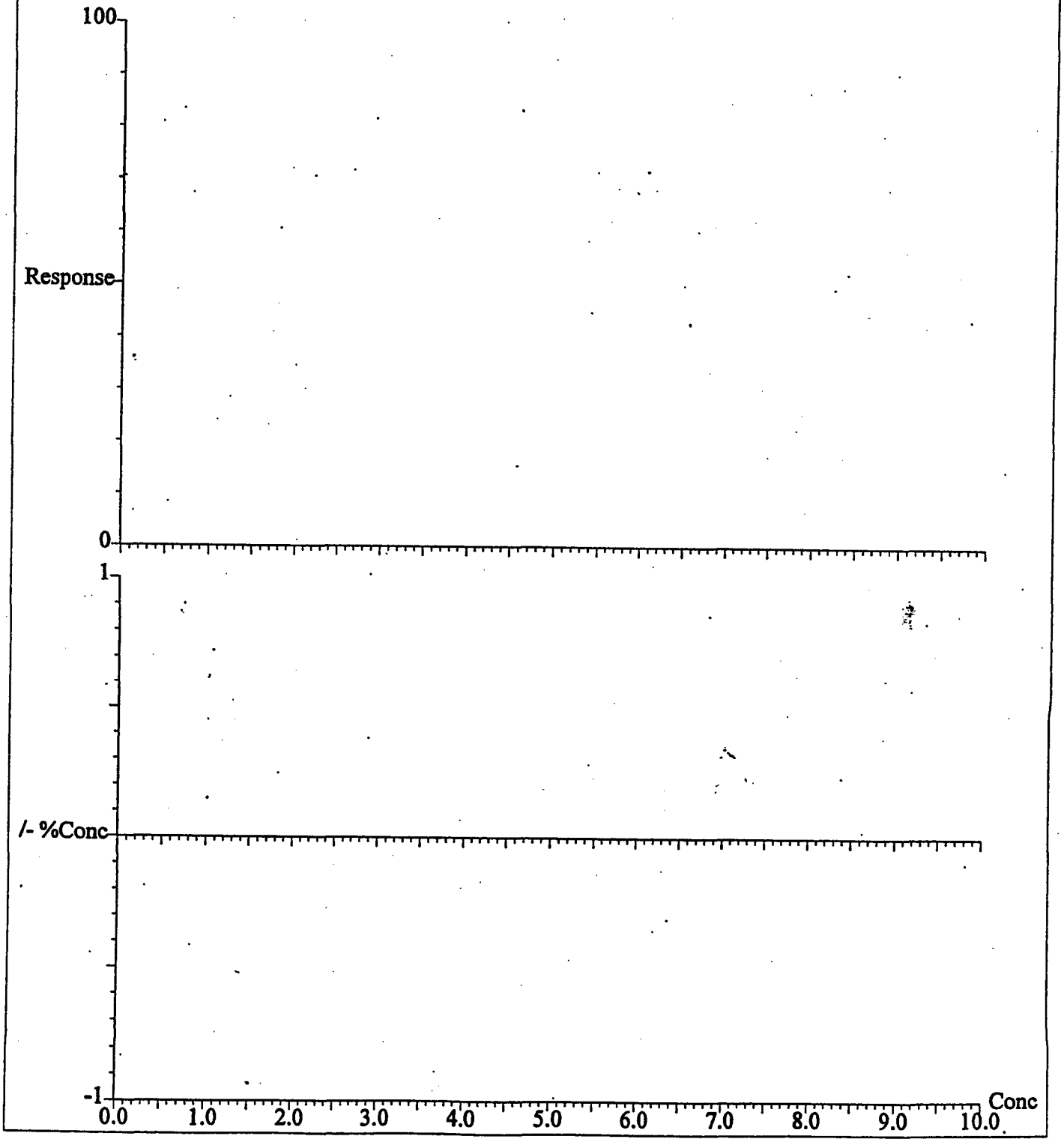
Compound 1 name: POAA
Coefficient of Determination: 0.994079
Calibration curve: 1.33059 * x + 58.5359
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Soup 020199, Reviewed and quantitated by dzb 5/17/99

Calibration: S:\FACT-1.PRO\CurveDB\051499c
Last modified: Tue May 18 08:21:03 1999
Printed: Tue May 18 08:22:53 1999

Compound 2 name: M463
Coefficient of Determination: 0.000000
Calibration curve: 0 * x + 0
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

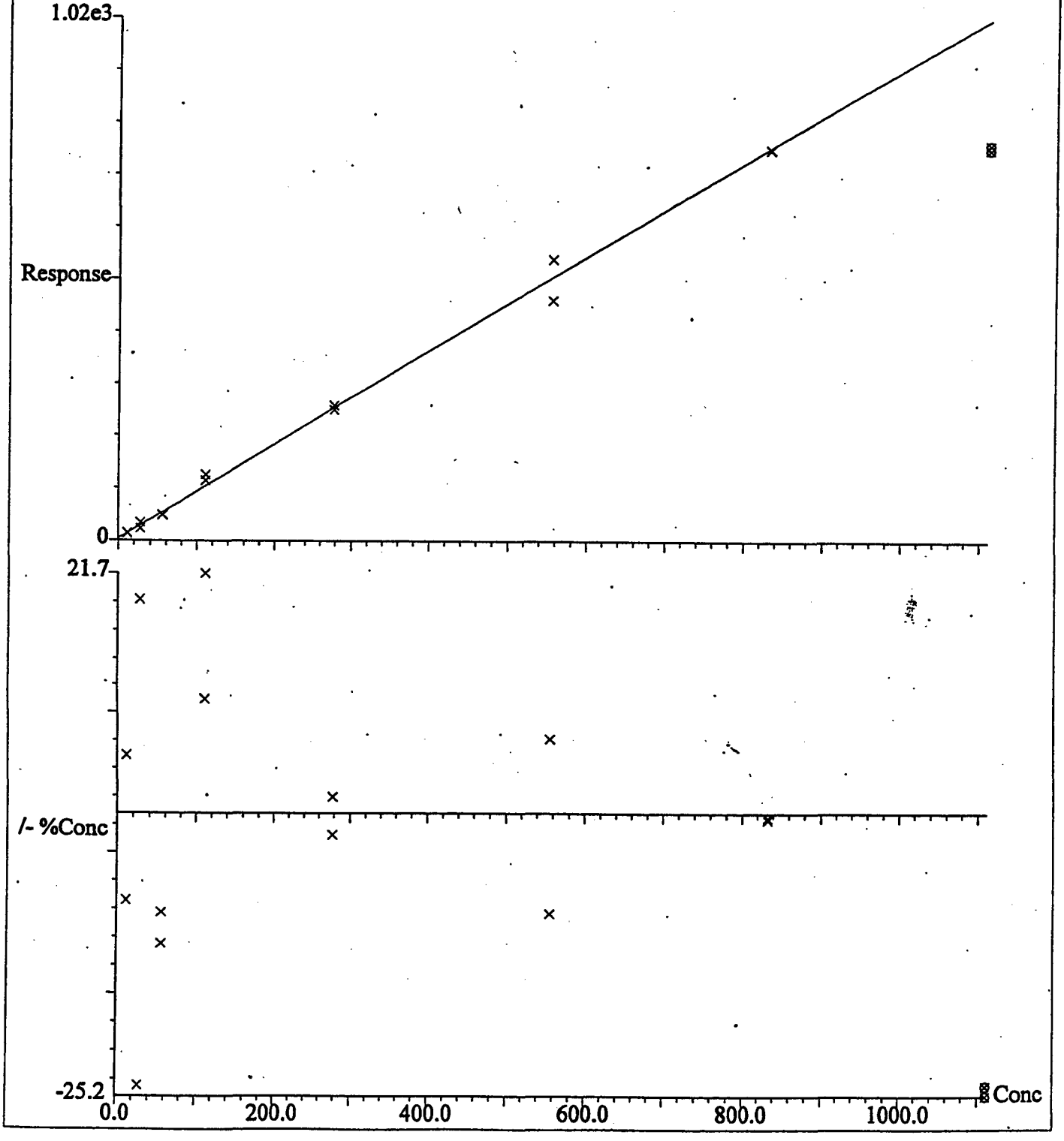


Soup 020199, Reviewed and quantitated by drb 5/17/99

Quantify Calibration Report
TOX-120 Rat Liver Dilutions

Calibration: S:\FACT-1.PRO\CurveDB\051499c
Last modified: Tue May 18 08:21:03 1999
Printed: Tue May 18 08:22:53 1999

Compound 3 name: M513
Coefficient of Determination: 0.995881
Calibration curve: 0.915019 * x + 4.05752
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

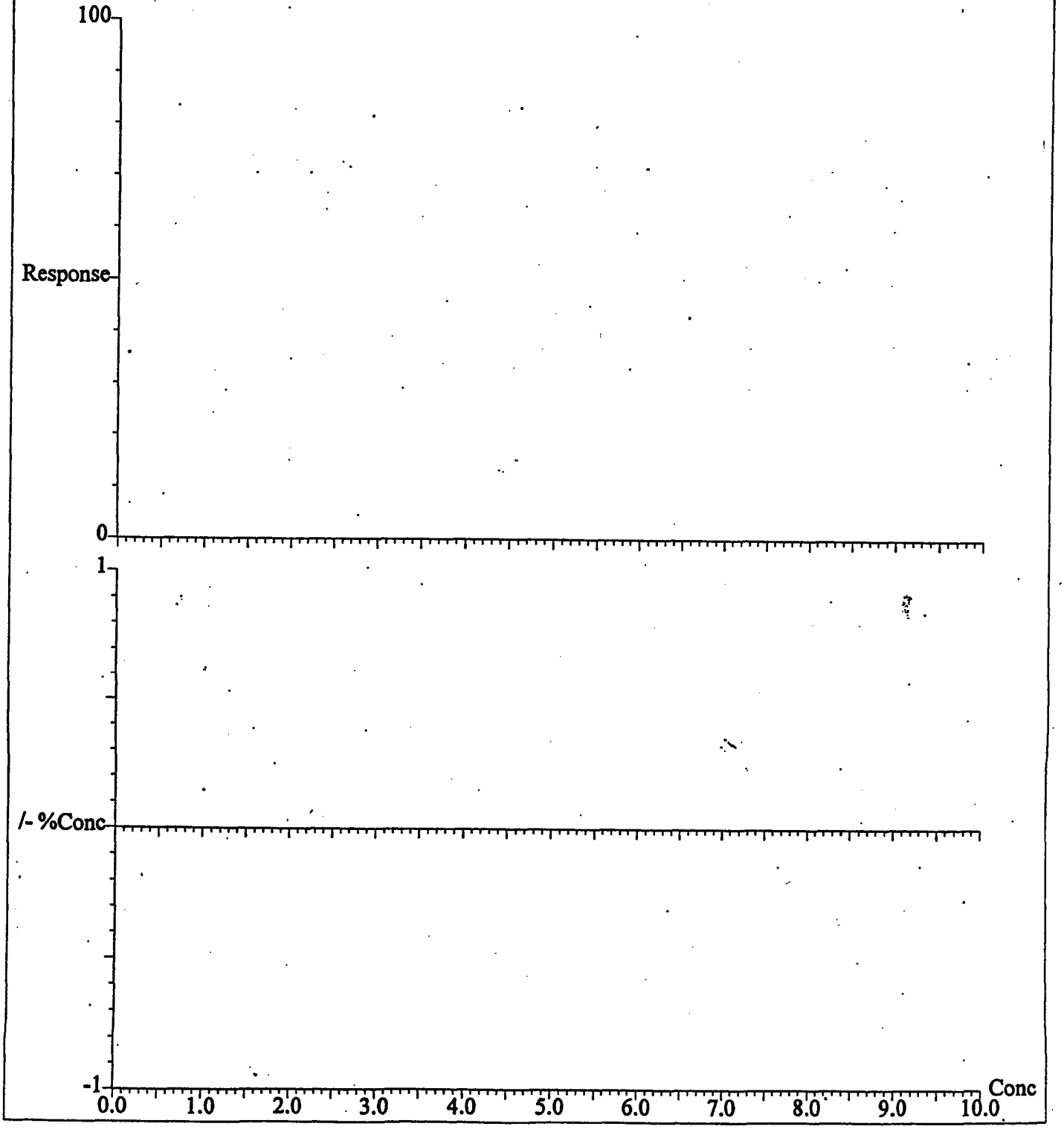


Soup 020199, Reviewed and quantitated by drb 5/17/99

Quantify Calibration Report
TOX-120 Rat Liver Dilutions

Calibration: S:\FACT-1.PRO\CurveDB\051499c
Last modified: Tue May 18 08:21:03 1999
Printed: Tue May 18 08:22:53 1999

Compound 4 name: M563
Coefficient of Determination: 0.000000
Calibration curve: 0 * x + 0
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

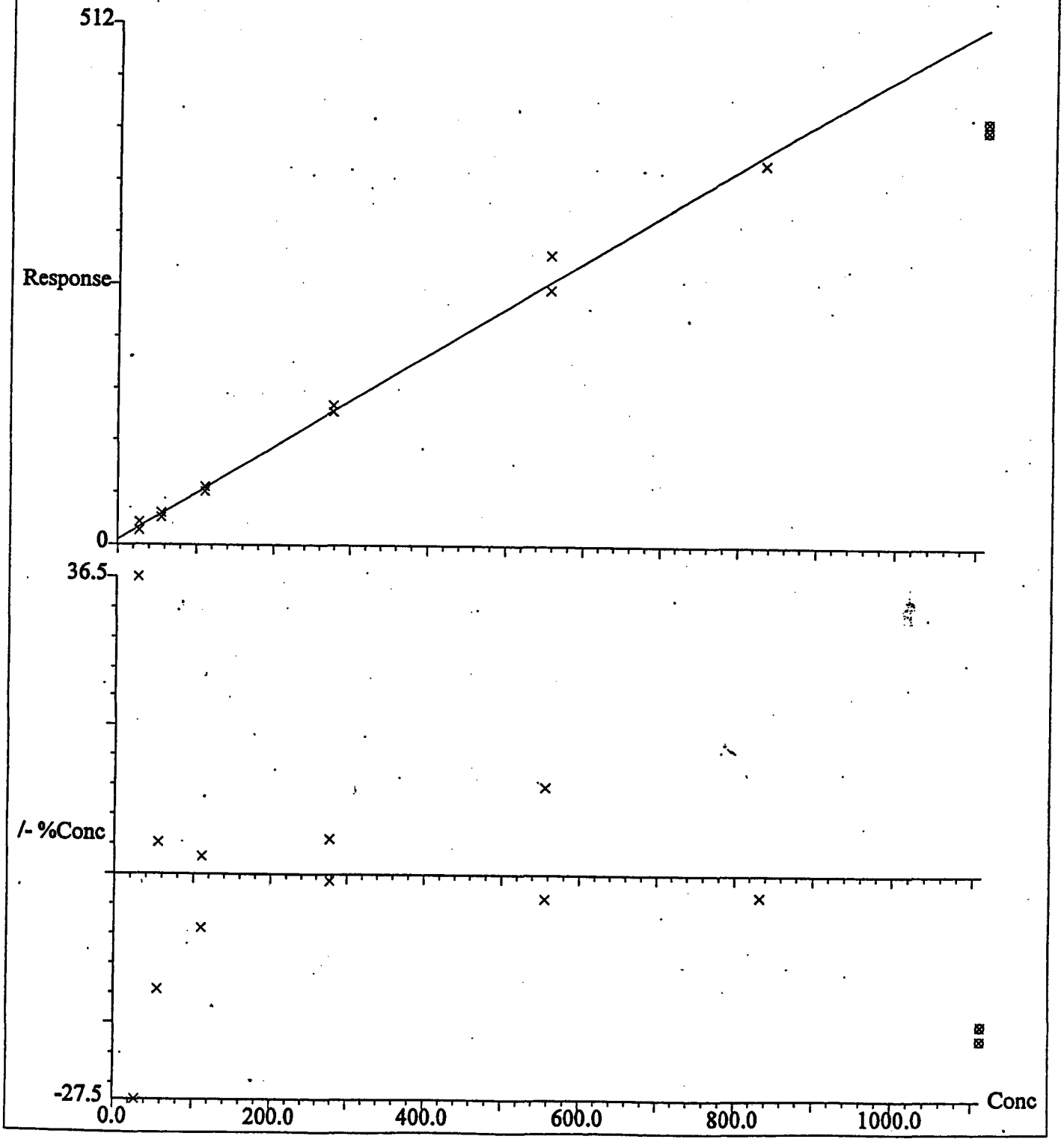


Soup 020199, Reviewed and quantitated by drb 5/17/99

Quantify Calibration Report
TOX-120 Rat Liver Dilutions

Calibration: S:\FACT-1.PRO\CurveDB\051499c
Last modified: Tue May 18 08:21:03 1999
Printed: Tue May 18 08:22:53 1999

Compound 5 name: M613
Coefficient of Determination: 0.994865
Calibration curve: 0.457183 • x + 4.56671
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

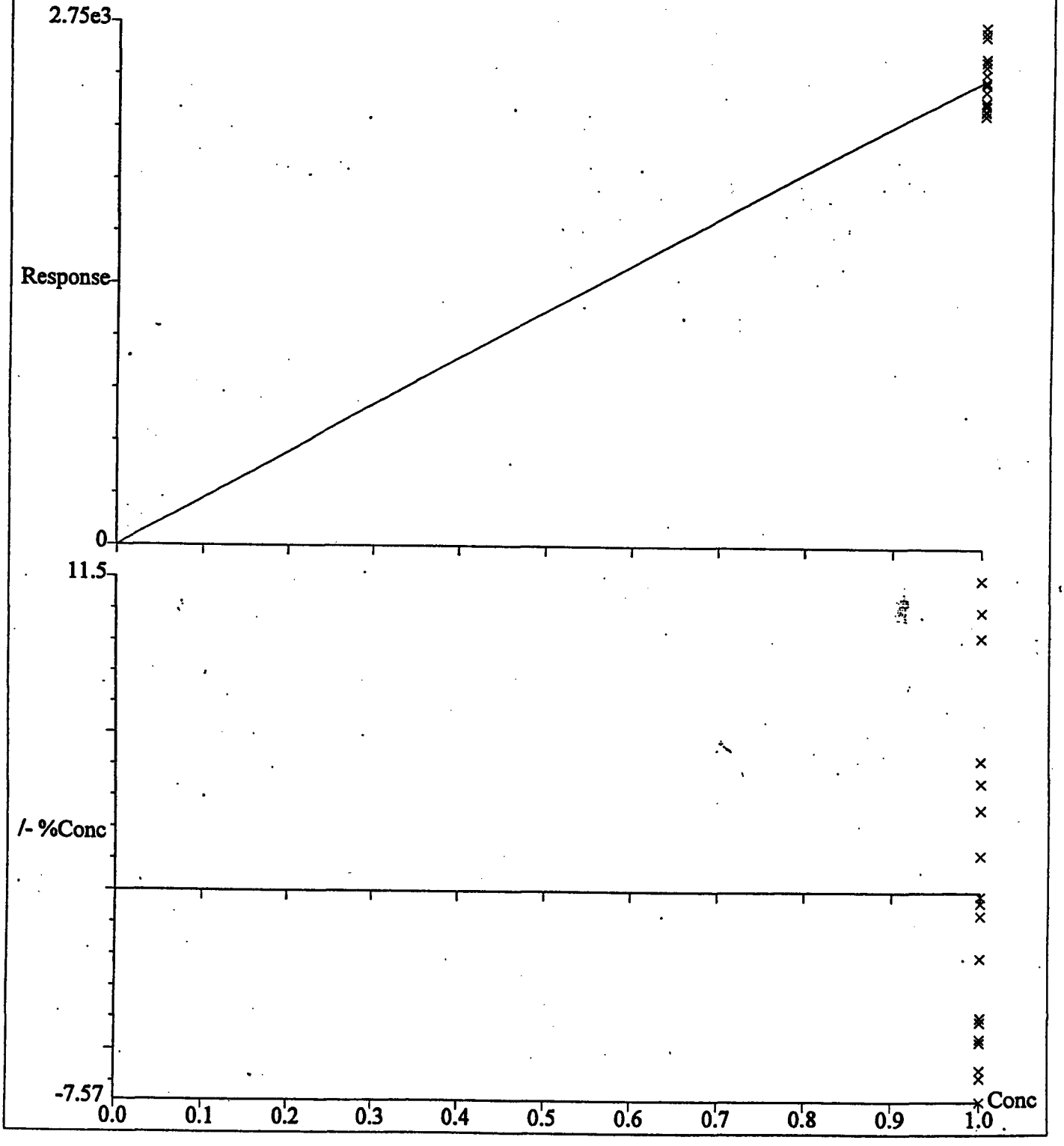


Soup 020199, Reviewed and quantitated by drb 5/17/99

Quantify Calibration Report
TOX-120 Rat Liver Dilutions

Calibration: S:\FACT-1.PRO\CurveDB\051499c
Last modified: Tue May 18 08:21:03 1999
Printed: Tue May 18 08:22:53 1999

Compound 6 name: IS
Response Factor: 2467.17
Response type: External Std, Area
Curve type: RF



Soup 020199, Reviewed and quantitated by drb 5/17/99

BACK TO MAIN

Method Report

Method file: S:\FACT-1.PRO\MethDB\051499c.mdb
Last modified: Mon May 17 14:23:38 1999

Compound: 1: POAA

Printed: Tue May 18 08:41:45 1999

DMS 05/18/99

Soup 020199

LAC 05/20/99

Compound Name: POAA
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 4.998, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.400

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 140

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

BACK TO MAIN

Method file: S:\FACT-1.PRO\MethDB\051499c.mdb
Last modified: Mon May 17 14:23:38 1999

Compound: 2: M463

Printed: Tue May 18 08:41:45 1999

DLK 05/18/99

Soup 020199

LAC 05/20/99

Compound Name: M463
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 0.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 5.406, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.551

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 140

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

BACK TO MAIN

Method file: S:\FACT-1.PRO\MethDB\051499c.mdb
Last modified: Mon May 17 14:23:38 1999

Compound: 3: M513

Printed: Tue May 18 08:41:45 1999

DLG 05/18/99

Soup 020199

LAC 05/20/99

Compound Name: M513
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 5.538, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.325

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 140

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

BACK TO MAIN

Method file: S:\FACT-1.PRO\MethDB\051499c.mdb
Last modified: Mon May 17 14:23:38 1999

Compound: 4: M563

Printed: Tue May 18 08:41:46 1999

DLL 05/18/99

Strip 020199

LAC 05/20/99

Compound Name: M563
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 5.349, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.518

Peak Selection: Nearest

Response

Response Type: External
Response: Area

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 140

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

BACK TO MAIN

Method file: S:\FACT-1.PRO\MethDB\051499c.mdb
Last modified: Mon May 17 14:23:38 1999

Compound: 5: M613

Printed: Tue May 18 08:41:46 1999

DLB 05/18/99

Soup 020199

LAC 05/20/99

Compound Name: M613
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 5.853, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.275

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 140

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 20.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Response Threshold

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

BACK TO MAIN

Method file: S:\FACT-1.PRO\MethDB\051499c.mdb
Last modified: Mon May 17 14:23:38 1999

Compound: 6: IS

Printed: Tue May 18 08:41:46 1999

DMB 05/18/99

Sonp 052099

LAC 05/20/99

Compound Name:	IS
Internal Ref.:	[None]
Quantify Trace:	TIC
Conc. of Standards:	Fixed
User RF Value:	1.000000, Disabled
User Peak Factor:	1.000000
Integrate Window Factor:	2.000

Peak Location

Retention Time (mins):	5.034, Enabled
Relative Retention Time:	0.000, Disabled
Time Window (mins):	0.200
Peak Selection:	Nearest

Response

Response Type:	External
Response:	Areas

Calibration Curves

Polynomial Type:	Linear
Point of Origin:	Exclude
Fit Weighting:	1/X
Axis Transformation:	None

Concentration

Units:

Noise

Peak-to-peak amplitude: 140

Smooth

Smoothing:	Disabled
Window size (scans):	3
Number of smooths:	2
Smoothing method:	

Baselines

Join valley threshold:	20.00
Reduce peak tailing:	100.00
Raise baseline maximum:	0.00

Peak Separation

Draw vertical threshold:	10.00
Detect shoulders:	Disabled
Shoulder threshold:	40.00

Response Threshold

Relative height:	1.50, Disabled
Absolute height:	0.00, Disabled
Relative area:	2.00, Disabled
Absolute area:	80.00, Enabled

SOUP 020199: FACT Equipment Log 99014 **PAGE ____**
Quattro II, #6414E

DRB
05/21/99

DATE: 05/21/99

ANALYST: drb

STUDY NUMBER: TOX-120 MATRIX: Rat Liver DESCRIPTION: Dilutions/Telmer
FACT Method: ETS-8-5.0 .

Injection volume: 10 uL Cycle time: 9 min. Electrode: Z-Spray

Mobile Phase:	(A) 2.0 mM NH4CH3CO2	(B) MeOH
TN-A- or stndrd number	(A) 99011-6-9	(B) TN-A-2540
Prepared (date/by):	(A) 04/28/99 drb	(B) 05/21/99 kjh
Expires:	(A) 10/99	(B) 10/99

Store at room temp? [Y] or N Other: _____

Guard column: None

Part number: na Lot number: na

Analytical column: Keystone Betasil

Size: 2 x 50 mm Type: C18 Sphere size: 5 um

Part number: 055-701-2 Lot number: P7LO4 Serial number: 0481175Z

Analytical parameters:

Drying gas (L/hr): 350 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 55 bar

HPLC solvent gradient: 9min-2

Time (min.)	%B
1) 0.00	40.0
2) 1.00	40.0
3) 4.50	95.0
4) 6.50	95.0
5) 7.00	40.0

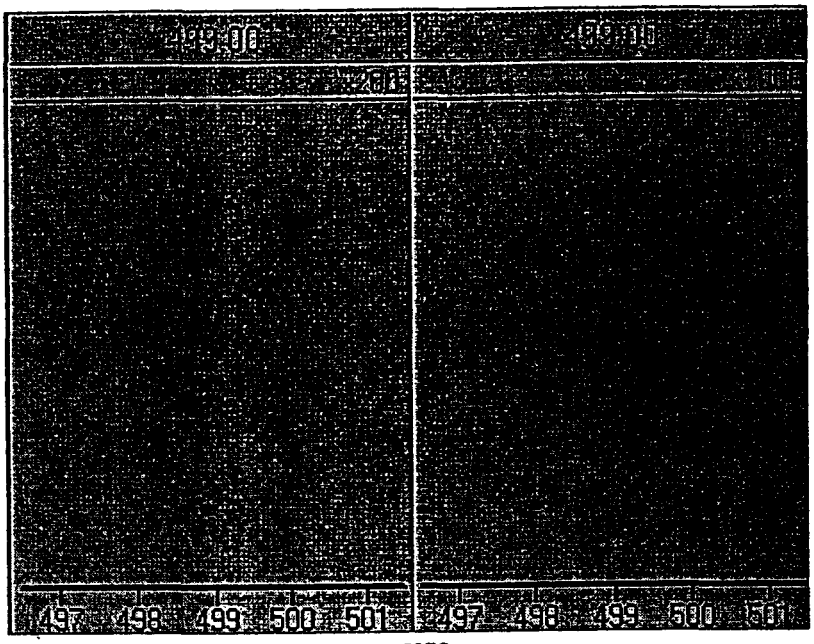
BACK TO MAIN

Tuning Method Report

Method: C:\MASSLYNX\FACT-1.PRO\ACQUDB\PFOS2

Printed: Fri May 21 16:28:16 1999

DH 05/21/99



MS MS2

SOURCE (ESP-)	Set	Rdbk
Capillary	3.01	3.01
Cone	40	-46
Extractor	5	-8
RF Lens	0.2	
Source Block Temp.	150	153
Desolvation Temp.	250	254

MS1	Set	Rdbk
LM Resolution	14.0	
HM Resolution	14.0	
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 6	5	3
Multiplier	650	

Pressures	Rdbk
Analyser Vacuum	2.4e-4
Gas Cell	4.8e-3

MS2	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Collision	45	43
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 8	40	39
Lens 9	0	43
Multiplier	650	

Masslynx - Sample List

DHB 05/21/99

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\052199b.SPL
Printed: Fri May 21 16:28:03 1999

	File Name	File Text	MS File	Inlet File	Bottle	olume	Sample T
1	052199068	MeOH Blank	TELI-PF2	9min-2	91	10	Analyte
2	052199069	MeOH Blank	TELI-PF2	9min-2	91	10	Analyte
3	052199070	Tox-120, RBL04199-H2OBlk-1, 4/19/99	TELI-PF2	9min-2	79	10	Analyte
4	052199071	Tox-120, RBL04199-LBlk-1, 4/19/99	TELI-PF2	9min-2	80	10	Analyte
5	052199072	Tox-120, RBL04199-5ppb-1, 4/19/99	TELI-PF2	9min-2	81	10	Standard
6	052199073	Tox-120, RBL04199-10ppb-1, 4/19/99	TELI-PF2	9min-2	82	10	Standard
7	052199074	Tox-120, RBL04199-25ppb-1, 4/19/99	TELI-PF2	9min-2	83	10	Standard
8	052199075	Tox-120, RBL04199-50ppb-1, 4/19/99	TELI-PF2	9min-2	84	10	Standard
9	052199076	Tox-120, RBL04199-100ppb-1, 4/19/99	TELI-PF2	9min-2	85	10	Standard
10	052199077	Tox-120, RBL04199-250ppb-1, 4/19/99	TELI-PF2	9min-2	86	10	Standard
11	052199078	Tox-120, RBL04199-500ppb-1, 4/19/99	TELI-PF2	9min-2	87	10	Standard
12	052199079	Tox-120, RBL04199-750ppb-1, 4/19/99	TELI-PF2	9min-2	88	10	Standard
13	052199080	Tox-120, RBL04199-1000ppb-1, 4/19/99	TELI-PF2	9min-2	89	10	Standard
14	052199081	MeOH Blank	TELI-PF2	9min-2	92	10	Analyte
15	052199082	Tox-120 49M G4 / D1:10	TELI-PF2	9min-2	57	10	Analyte
16	052199083	Tox-120 50M G4 / D1:10	TELI-PF2	9min-2	58	10	Analyte
17	052199084	Tox-120 51M G4 / D1:10	TELI-PF2	9min-2	59	10	Analyte
18	052199085	Tox-120 52M G4 / D1:10	TELI-PF2	9min-2	60	10	Analyte
19	052199086	Tox-120, RBL04199-250ppb-CC1, 4/19/99	TELI-PF2	9min-2	90	10	QC
20	052199087	MeOH Blank	TELI-PF2	9min-2	96	10	Analyte
21	052199088	Tox-120 53M G4 / D1:10	TELI-PF2	9min-2	61	10	Analyte
22	052199089	Tox-120 54M G4 / D1:10	TELI-PF2	9min-2	62	10	Analyte
23	052199090	Tox-120 55M G4 / D1:10	TELI-PF2	9min-2	63	10	Analyte
24	052199091	Tox-120 56M G4 / D1:10	TELI-PF2	9min-2	64	10	Analyte
25	052199092	Tox-120, RBL04199-250ppb-CC3, 4/19/99	TELI-PF2	9min-2	99	10	Analyte
26	052199093	MeOH Blank	TELI-PF2	9min-2	92	10	Analyte
27	052199094	Tox-120 65M G5 / D1:500	TELI-PF2	9min-2	65	10	Analyte
28	052199095	Tox-120 66M G5 / D1:500	TELI-PF2	9min-2	66	10	Analyte
29	052199096	Tox-120 67M G5 / D1:500	TELI-PF2	9min-2	67	10	QC
30	052199097	Tox-120 68M G5 / D1:500	TELI-PF2	9min-2	68	10	Analyte
31	052199098	Tox-120, RBL04199-250ppb-CC11, 4/19/99	TELI-PF2	9min-2	100	10	Analyte
32	052199099	MeOH Blank	TELI-PF2	9min-2	93	10	Analyte
33	052199100	Tox-120 69M G5 / D1:500	TELI-PF2	9min-2	69	10	Analyte
34	052199101	Tox-120 70M G5 / D1:500	TELI-PF2	9min-2	70	10	Analyte
35	052199102	Tox-120 71M G5 / D1:500	TELI-PF2	9min-2	71	10	QC
36	052199103	Tox-120 72M G5 / D1:500	TELI-PF2	9min-2	72	10	Analyte
37	052199104	Tox-120, RBL04199-250ppb-CC1, 4/19/99	TELI-PF2	9min-2	90	10	Analyte
38	052199105	MeOH Blank	TELI-PF2	9min-2	94	10	Analyte
39	052199106	Tox-120 73M G5 / D1:250	TELI-PF2	9min-2	73	10	Analyte
40	052199107	Tox-120 74M G5 / D1:250	TELI-PF2	9min-2	74	10	Analyte
41	052199108	Tox-120 75M G5 / D1:250	TELI-PF2	9min-2	75	10	Analyte
42	052199109	Tox-120, RBL04199-250ppb-CC11, 4/19/99	TELI-PF2	9min-2	100	10	Analyte
43	052199110	MeOH Blank	TELI-PF2	9min-2	95	10	Analyte
44	052199111	Tox-120 77M G5 / D1:250	TELI-PF2	9min-2	76	10	Analyte
45	052199112	Tox-120 78M G5 / D1:250	TELI-PF2	9min-2	77	10	Analyte
46	052199113	Tox-120 79M G5 / D1:250	TELI-PF2	9min-2	78	10	Analyte
47	052199114	Tox-120, RBL04199-250ppb-CC1, 4/19/99	TELI-PF2	9min-2	90	10	Analyte
48	052199115	MeOH Blank	TELI-PF2	9min-2	96	10	Analyte
49	052199116	Tox-120, RBL04199-H2OBlk-1, 4/19/99	TELI-PF2	9min-2	79	10	Analyte
50	052199117	Tox-120, RBL04199-LBlk-1, 4/19/99	TELI-PF2	9min-2	80	10	Analyte
51	052199118	Tox-120, RBL04199-5ppb-1, 4/19/99	TELI-PF2	9min-2	81	10	Standar
52	052199119	Tox-120, RBL04199-10ppb-1, 4/19/99	TELI-PF2	9min-2	82	10	Standar
53	052199120	Tox-120, RBL04199-25ppb-1, 4/19/99	TELI-PF2	9min-2	83	10	Standar
54	052199121	Tox-120, RBL04199-50ppb-1, 4/19/99	TELI-PF2	9min-2	84	10	Standar
55	052199122	Tox-120, RBL04199-100ppb-1, 4/19/99	TELI-PF2	9min-2	85	10	Standar
56	052199123	Tox-120, RBL04199-250ppb-1, 4/19/99	TELI-PF2	9min-2	86	10	Standa
57	052199124	Tox-120, RBL04199-500ppb-1, 4/19/99	TELI-PF2	9min-2	87	10	Standa
58	052199125	Tox-120, RBL04199-750ppb-1, 4/19/99	TELI-PF2	9min-2	88	10	Standa
59	052199126	Tox-120, RBL04199-1000ppb-1, 4/19/99	TELI-PF2	9min-2	89	10	Standa

BACK TO MAIN

Scanning Method Report

DTB 05/21/99

Method: C:\MASSLYNX\FACT-1.PRO\ACQUDB\TELI-PF2
Last Modified: Fri May 21 15:15:53 1999

Printed: Fri May 21 16:28:25 1999

Solvent Delay (mins) : 0.00

Function : 1 MRM of 2 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	399.00	99.00	0.25	45	60
2	399.00	130.00	0.25	45	60

Function : 2 MRM of 2 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	299.00	99.00	0.25	45	60
2	299.00	130.00	0.25	45	60

Function : 3 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	427.00	80.00	0.25	40	60

BACK TO MAIN

FACT: DATA REVIEW SUMMARY FORM

Date: 5/24/99

Analyst: kh

FACT Study Number TOX120

Matrix Rat Liver

Time Points G4 G5, all

Dilutions? yes 2x 4x 8x

Analyte 1: PFHS

Acceptable Linear Range: 11-1111 ppb

LOQ for this data set: 11 ppb

Re-evaluated for different range? no

Analyte 2:

Acceptable Linear Range:

LOQ for this data set: NA kh 5/24/99

Re-evaluated for different range?

Analyte 3:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 4:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 5:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 6:

Acceptable Linear Range:

LOQ for this data set: YT 5/24/99

Re-evaluated for different range?

Analyte 7:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

BACK TO MAIN

Quantify Compound Summary Report
TOX120-GS dilutions

Sample List: C:\OASSLYNX\FACT-1.PRO\SampleDB\052199t
Last modified: Mon May 24 08:03:09 1999
Method: C:\OASSLYNX\FACT-1.PRO\MethDB\052199t
Last modified: Mon May 24 07:59:46 1999
Job Code:

Printed: Mon May 24 08:10:55 1999

Compound 1: PFHS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Di..	Conc.	Flags	%Dev
1	052199068	MeOH Blank	Analyte							
2	052199069	MeOH Blank	Analyte							
3	052199070	Tox-120, RBL04199-H2OBlk-1, 4/19/99	Analyte							
4	052199071	Tox-120, RBL04199-LBlk-1, 4/19/99	Analyte							
5	052199072	Tox-120, RBL04199-5ppb-1, 4/19/99	Standard	5.56						
6	052199073	Tox-120, RBL04199-10ppb-1, 4/19/99	Standard	11.10	4.868	10	1	8.15	MM	-27
7	052199074	Tox-120, RBL04199-25ppb-1, 4/19/99	Standard	27.80	4.868	33	1	25.13	MM	-10
8	052199075	Tox-120, RBL04199-50ppb-1, 4/19/99	Standard	55.60	4.845	77	1	57.66	MM	4
9	052199076	Tox-120, RBL04199-100ppb-1, 4/19/99	Standard	111.00	4.845	133	1	99.00	bb	-11
10	052199077	Tox-120, RBL04199-250ppb-1, 4/19/99	Standard	278.00	4.845	372	1	274.74	bb	-1
11	052199078	Tox-120, RBL04199-500ppb-1, 4/19/99	Standard	556.00	4.845	720	1	530.98	bb	-4
12	052199079	Tox-120, RBL04199-750ppb-1, 4/19/99	Standard	833.00	4.849	1173	1	863.81	bb	4
13	052199080	Tox-120, RBL04199-1000ppb-1, 4/19/99	Standard	1111.00	4.845	1315	1	968.94	bbX	-13
14	052199081	MeOH Blank	Analyte							
15	052199082	Tox-120 49M G4 / D1:10	Analyte							
16	052199083	Tox-120 50M G4 / D1:10	Analyte							
17	052199084	Tox-120 51M G4 / D1:10	Analyte							
18	052199085	Tox-120 52M G4 / D1:10	Analyte							
19	052199086	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00	4.868	433	1	319.33	bb	15
20	052199087	MeOH Blank	Analyte							
21	052199088	Tox-120 53M G4 / D1:10	Analyte							
22	052199089	Tox-120 54M G4 / D1:10	Analyte							
23	052199090	Tox-120 55M G4 / D1:10	Analyte							
24	052199091	Tox-120 56M G4 / D1:10	Analyte							
25	052199092	Tox-120, RBL04199-250ppb-CC2, 4/19/99	QC	278.00	4.868	454	1	334.73	bb	20
26	052199093	MeOH Blank	Analyte							
27	052199094	Tox-120 65M G5 / D1:500	Analyte		4.845	985	1	725.97	bb	
28	052199095	Tox-120 66M G5 / D1:500	Analyte		4.845	982	1	723.69	bb	
29	052199096	Tox-120 67M G5 / D1:500	Analyte		4.845	775	1	570.93	bb	
30	052199097	Tox-120 68M G5 / D1:500	Analyte		4.845	925	1	681.76	MM	
31	052199098	Tox-120, RBL04199-250ppb-CC11, 4/19/99	QC	278.00	4.868	361	1	266.67	bb	-4
32	052199099	MeOH Blank	Analyte							
33	052199100	Tox-120 69M G5 / D1:500	Analyte		4.845	946	1	697.07	bb	
34	052199101	Tox-120 70M G5 / D1:500	Analyte		4.845	850	1	626.68	bb	
35	052199102	Tox-120 71M G5 / D1:500	Analyte		4.845	600	1	442.71	bb	
36	052199103	Tox-120 72M G5 / D1:500	Analyte		4.845	1059	1	780.28	bb	
37	052199104	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00	4.868	459	1	338.75	bb	22
38	052199105	MeOH Blank	Analyte							
39	052199106	Tox-120 73M G5 / D1:250	Analyte		4.845	379	1	279.57	bb	
40	052199107	Tox-120 74M G5 / D1:250	Analyte		4.845	260	1	192.45	bb	
41	052199108	Tox-120 75M G5 / D1:250	Analyte		4.851	367	1	270.91	bb	
42	052199109	Tox-120, RBL04199-250ppb-CC11, 4/19/99	QC	278.00	4.868	326	1	241.18	bb	-13
43	052199110	MeOH Blank	Analyte							
44	052199111	Tox-120 77M G5 / D1:250	Analyte		4.845	203	1	150.55	bb	
45	052199112	Tox-120 78M G5 / D1:250	Analyte		4.845	228	1	168.88	bb	
46	052199113	Tox-120 79M G5 / D1:250	Analyte		4.845	151	1	111.80	MM	
47	052199114	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00	4.868	438	1	323.44	bb	16
48	052199115	MeOH Blank	Analyte							
49	052199116	Tox-120, RBL04199-H2OBlk-1, 4/19/99	Analyte							
50	052199117	Tox-120, RBL04199-LBlk-1, 4/19/99	Analyte							
51	052199118	Tox-120, RBL04199-5ppb-1, 4/19/99	Standard	5.56						
52	052199119	Tox-120, RBL04199-10ppb-1, 4/19/99	Standard	11.10	4.868	18	1	13.94	MM	26
53	052199120	Tox-120, RBL04199-25ppb-1, 4/19/99	Standard	27.80	4.845	41	1	31.36	MM	13
54	052199121	Tox-120, RBL04199-50ppb-1, 4/19/99	Standard	55.60	4.845	83	1	61.93	MM	11
55	052199122	Tox-120, RBL04199-100ppb-1, 4/19/99	Standard	111.00	4.845	138	1	102.30	bb	-8
56	052199123	Tox-120, RBL04199-250ppb-1, 4/19/99	Standard	278.00	4.845	391	1	288.42	bb	4
57	052199124	Tox-120, RBL04199-500ppb-1, 4/19/99	Standard	556.00	4.845	749	1	552.14	bb	-1
58	052199125	Tox-120, RBL04199-750ppb-1, 4/19/99	Standard	833.00	4.845	1134	1	835.44	bb	0
59	052199126	Tox-120, RBL04199-1000ppb-1, 4/19/99	Standard	1111.00	4.845	1297	1	955.67	bbX	-14

Entered LAC 05/24/99

Soup 020199: Quantitated by and printed by kjh 05/24/99

BACK TO MAIN

Quantify Compound Summary Report
TOX120-GS dilutions

Sample List: C:\MASSLYNX\FACT-1.PRO\SampleDB\0521998
Last modified: Mon May 24 08:03:09 1999
Method: C:\MASSLYNX\FACT-1.PRO\MethDB\0521998
Last modified: Mon May 24 07:59:46 1999
Job Code:

Printed: Mon May 24 08:10:53 1999

Compound 2: IS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Di..	Conc.	Flags	%Dev
1	052199068	MeOH Blank	Analyte							
2	052199069	MeOH Blank	Analyte							
3	052199070	Tox-120, RBL04199-H2OBlk-1, 4/19/99	Analyte		5.116	5082	1	0.91	bb	-9
4	052199071	Tox-120, RBL04199-LBlk-1, 4/19/99	Analyte		5.116	5328	1	0.95	bb	-5
5	052199072	Tox-120, RBL04199-5ppb-1, 4/19/99	Standard	1.00	5.116	6020	1	1.08	bb	8
6	052199073	Tox-120, RBL04199-10ppb-1, 4/19/99	Standard	1.00	5.116	5510	1	0.99	bb	-1
7	052199074	Tox-120, RBL04199-25ppb-1, 4/19/99	Standard	1.00	5.116	5195	1	0.93	bb	-7
8	052199075	Tox-120, RBL04199-50ppb-1, 4/19/99	Standard	1.00	5.116	5447	1	0.98	bb	-2
9	052199076	Tox-120, RBL04199-100ppb-1, 4/19/99	Standard	1.00	5.116	5084	1	0.91	bb	-9
10	052199077	Tox-120, RBL04199-250ppb-1, 4/19/99	Standard	1.00	5.092	4819	1	0.86	bb	-14
11	052199078	Tox-120, RBL04199-500ppb-1, 4/19/99	Standard	1.00	5.092	4852	1	0.87	bb	-13
12	052199079	Tox-120, RBL04199-750ppb-1, 4/19/99	Standard	1.00	5.097	5090	1	0.91	bb	-9
13	052199080	Tox-120, RBL04199-1000ppb-1, 4/19/99	Standard	1.00	5.116	5676	1	1.02	bb	2
14	052199081	MeOH Blank	Analyte							
15	052199082	Tox-120 49M G4 / D1:10	Analyte		5.116	390	1	0.07	bb	-93
16	052199083	Tox-120 50M G4 / D1:10	Analyte		5.116	397	1	0.07	bb	-93
17	052199084	Tox-120 51M G4 / D1:10	Analyte		5.116	373	1	0.07	bb	-93
18	052199085	Tox-120 52M G4 / D1:10	Analyte		5.116	353	1	0.06	bb	-94
19	052199086	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	1.00	5.116	4751	1	0.85	bb	-15
20	052199087	MeOH Blank	Analyte							
21	052199088	Tox-120 53M G4 / D1:10	Analyte		5.116	376	1	0.07	bb	-93
22	052199089	Tox-120 54M G4 / D1:10	Analyte		5.116	366	1	0.07	bb	-93
23	052199090	Tox-120 55M G4 / D1:10	Analyte		5.116	370	1	0.07	bb	-93
24	052199091	Tox-120 56M G4 / D1:10	Analyte		5.116	332	1	0.06	bb	-94
25	052199092	Tox-120, RBL04199-250ppb-CC3, 4/19/99	QC	1.00	5.116	5189	1	0.93	bb	-7
26	052199093	MeOH Blank	Analyte							
27	052199094	Tox-120 65M G5 / D1:500	Analyte							
28	052199095	Tox-120 66M G5 / D1:500	Analyte							
29	052199096	Tox-120 67M G5 / D1:500	Analyte							
30	052199097	Tox-120 68M G5 / D1:500	Analyte							
31	052199098	Tox-120, RBL04199-250ppb-CC11, 4/19/99	QC	1.00	5.116	4307	1	0.77	bb	-23
32	052199099	MeOH Blank	Analyte							
33	052199100	Tox-120 69M G5 / D1:500	Analyte							
34	052199101	Tox-120 70M G5 / D1:500	Analyte							
35	052199102	Tox-120 71M G5 / D1:500	Analyte							
36	052199103	Tox-120 72M G5 / D1:500	Analyte							
37	052199104	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	1.00	5.116	4872	1	0.87	bb	-13
38	052199105	MeOH Blank	Analyte							
39	052199106	Tox-120 73M G5 / D1:250	Analyte							
40	052199107	Tox-120 74M G5 / D1:250	Analyte							
41	052199108	Tox-120 75M G5 / D1:250	Analyte							
42	052199109	Tox-120, RBL04199-250ppb-CC11, 4/19/99	QC	1.00	5.116	4146	1	0.74	bb	-26
43	052199110	MeOH Blank	Analyte							
44	052199111	Tox-120 77M G5 / D1:250	Analyte							
45	052199112	Tox-120 78M G5 / D1:250	Analyte							
46	052199113	Tox-120 79M G5 / D1:250	Analyte							
47	052199114	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	1.00	5.116	4880	1	0.87	bb	-13
48	052199115	MeOH Blank	Analyte							
49	052199116	Tox-120, RBL04199-H2OBlk-1, 4/19/99	Analyte		5.116	5306	1	0.95	bb	-5
50	052199117	Tox-120, RBL04199-LBlk-1, 4/19/99	Analyte		5.116	5294	1	0.95	bb	-5
51	052199118	Tox-120, RBL04199-5ppb-1, 4/19/99	Standard	1.00	5.116	6498	1	1.16	bb	16
52	052199119	Tox-120, RBL04199-10ppb-1, 4/19/99	Standard	1.00	5.116	5903	1	1.06	bb	6
53	052199120	Tox-120, RBL04199-25ppb-1, 4/19/99	Standard	1.00	5.116	5620	1	1.01	bb	1
54	052199121	Tox-120, RBL04199-50ppb-1, 4/19/99	Standard	1.00	5.116	6102	1	1.09	bb	9
55	052199122	Tox-120, RBL04199-100ppb-1, 4/19/99	Standard	1.00	5.116	5792	1	1.04	bb	4
56	052199123	Tox-120, RBL04199-250ppb-1, 4/19/99	Standard	1.00	5.116	5489	1	0.98	bb	-2
57	052199124	Tox-120, RBL04199-500ppb-1, 4/19/99	Standard	1.00	5.116	5722	1	1.02	bb	2
58	052199125	Tox-120, RBL04199-750ppb-1, 4/19/99	Standard	1.00	5.116	5414	1	0.97	bb	-3
59	052199126	Tox-120, RBL04199-1000ppb-1, 4/19/99	Standard	1.00	5.092	6305	1	1.13	bb	13

Soup 020199: Quantitated by and printed by kjh 05/24/99

BACK TO MAIN

Method Report

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\052199b.mdb
Last modified: Mon May 24 07:59:46 1999

Compound: 1: PFHS

Printed: Mon May 24 08:14:21 1999

Soup 020199 UC 05/24/99

Compound Name: PFHS
Internal Ref.: [None]
Quantify Trace: 399.00 > 99.00
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 4.840, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.595

Peak Selection: Nearest

Response Type: External
Response: Areas

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Units:

Peak-to-peak amplitude: 114

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Join valley threshold: 20.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

BACK TO MAIN

Method Report

Method file: C:\MASSLYNX\FACT-1.PRO\MethDB\052199b.mdb
Last modified: Mon May 24 07:59:46 1999

Compound: 2: IS

Printed: Mon May 24 08:14:21 1999

Soup 020199 LAC 05/24/99

Compound Name: IS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Fixed

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Retention Time (mins): 5.120, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.420

Peak Selection: Nearest

Response Type: External
Response: Area

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Units:

Peak-to-peak amplitude: 114

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Join valley threshold: 20.00
Reduce peak tailing: 100.00
Raise baseline maximum: 0.00

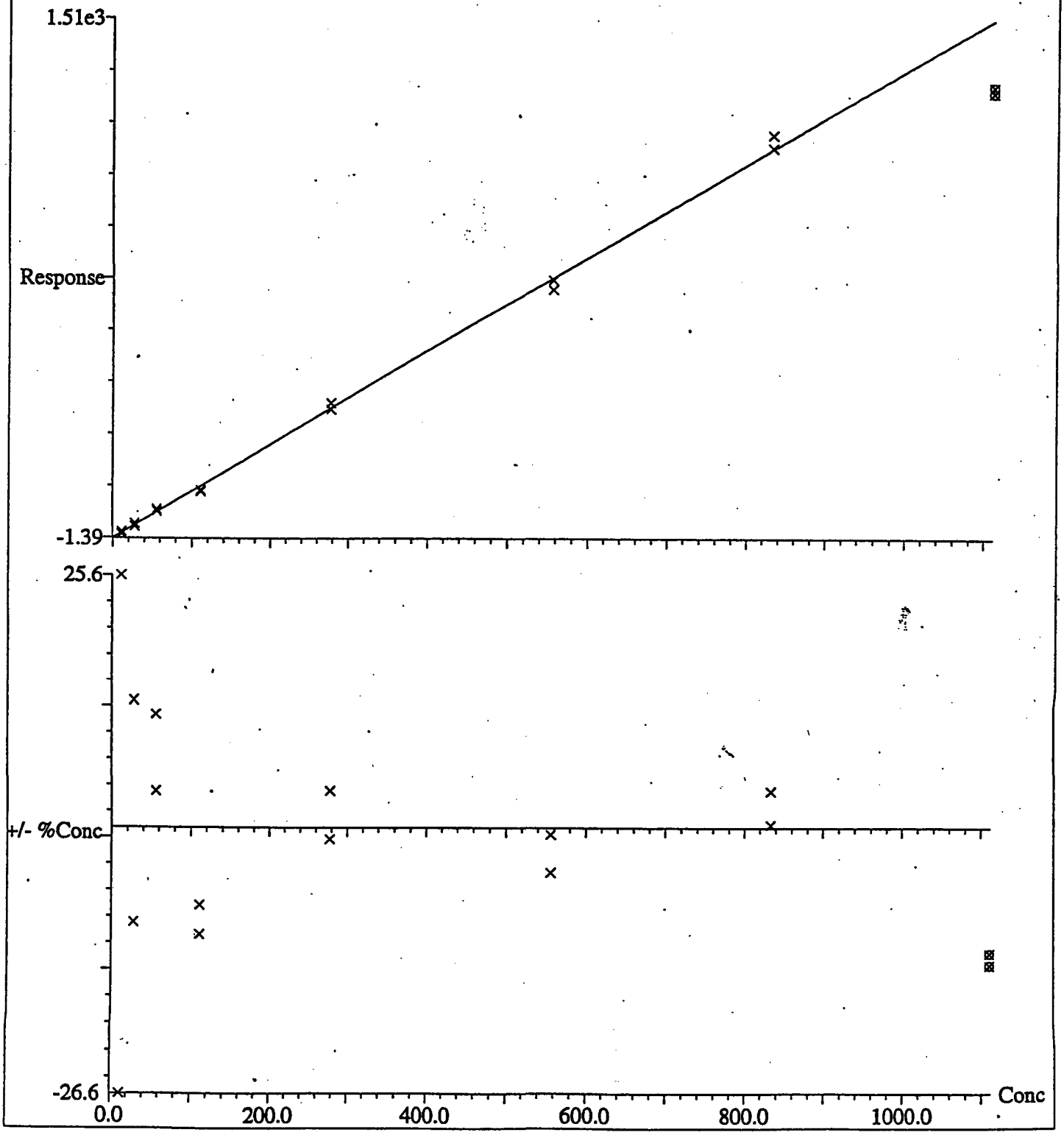
Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 40.00

Relative height: 1.50, Disabled
Absolute height: 0.00, Disabled
Relative area: 2.00, Disabled
Absolute area: 80.00, Enabled

Quantify Calibration Report
TOX120-05 dilutions

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\052199t
Last modified: Mon May 24 08:04:48 1999
Printed: Mon May 24 08:10:58 1999

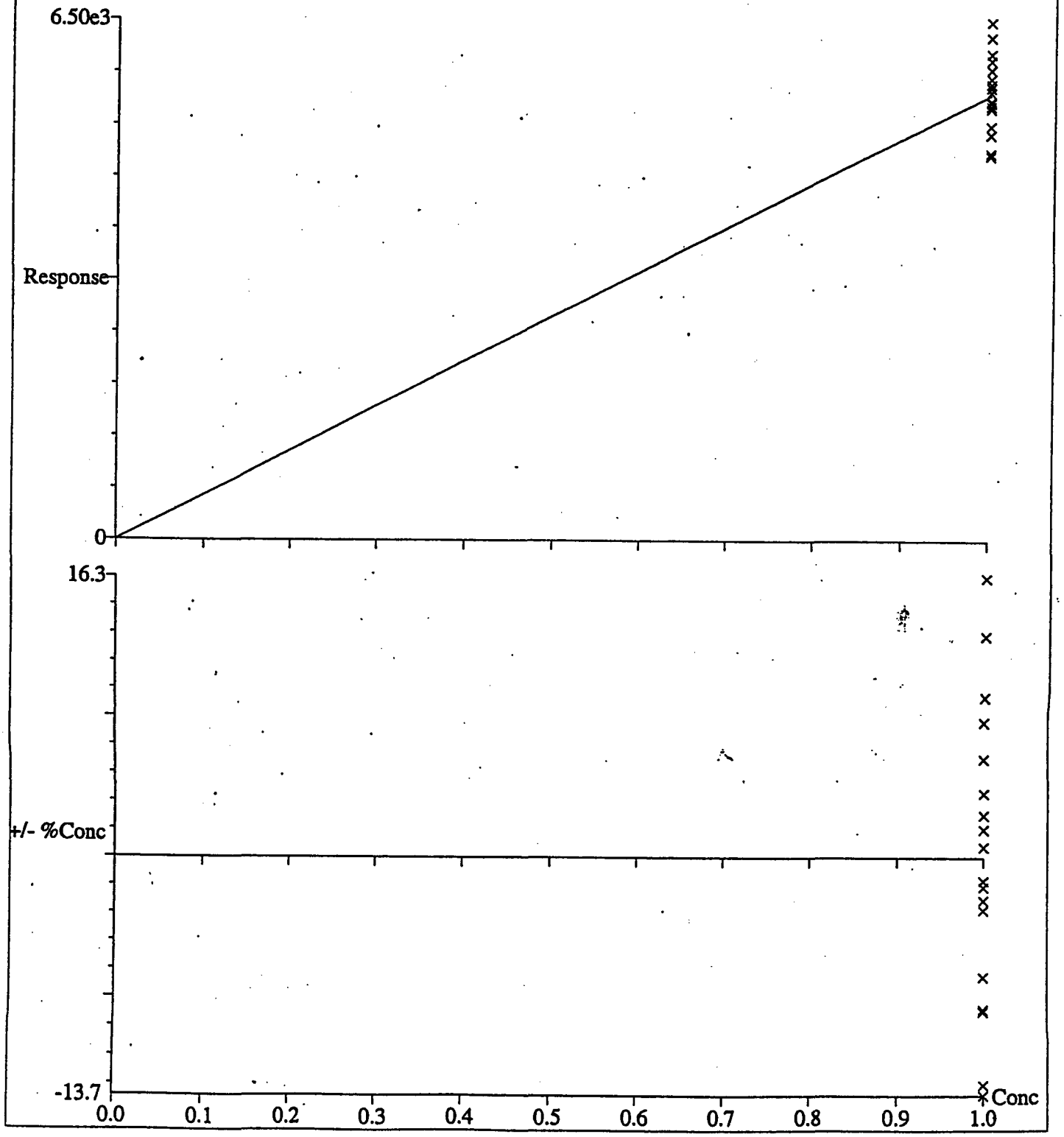
Compound 1 name: PFHS
Coefficient of Determination: 0.998344
Calibration curve: 1.35899 * x + -1.38506
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Soup 020199: Quantitated by and printed by kjh 05/24/99

Calibration: C:\MASSLYNX\FACT-1.PRO\CurveDB\0521995
Last modified: Mon May 24 08:04:48 1999
Printed: Mon May 24 08:10:58 1999

Compound 2 name: IS
Response Factor: 5585.55
Response type: External Std, Area
Curve type: RF



AMELIA062498: FACT Equipment Log 99016 **PAGE**_____
Quattro II, #6448E

DATE: 05/25/99 ~~05/25/99~~

ANALYST: hoj, sah

STUDY NUMBER Tox-120, Tox-026 MATRIX: rat liver, monkey sera DESCRIPTION: dils.

FACT Method: ets--M-5.0

Injection volume, 10 uL Cycle time: 9 min. Electrode: Z-Spray

Mobile Phase: (A) 2.0 mM NH4CH3CO2 (B) MeOH

TN-A- or stndrd number (A) 99012-10-7 (B) TN-A-2540

Prepared (date/by): (A) 5/21/99 ias (B) 5/18/99 drb

Expires: (A) 11/99 (B) 11/99

Store at room temp? [Y] or N Other:_____

Guard column: None

Part number: na Lot number: na

Analytical column: keystone betasil

Size: 2 x 50mm Type: c18 Sphere size: 5 um

Part number: 055-701-2 Lot number: P7J20 Serial number: 038126D

Analytical parameters:

Drying gas (L/hr): 300 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 70 bar

HPLC solvent gradient: 9min-2

Time (min.)	%B
1) 0.00	40
2) 1.0	40
3 4.5	95
5) 6.5	95
6) 7	40
7) 9	end

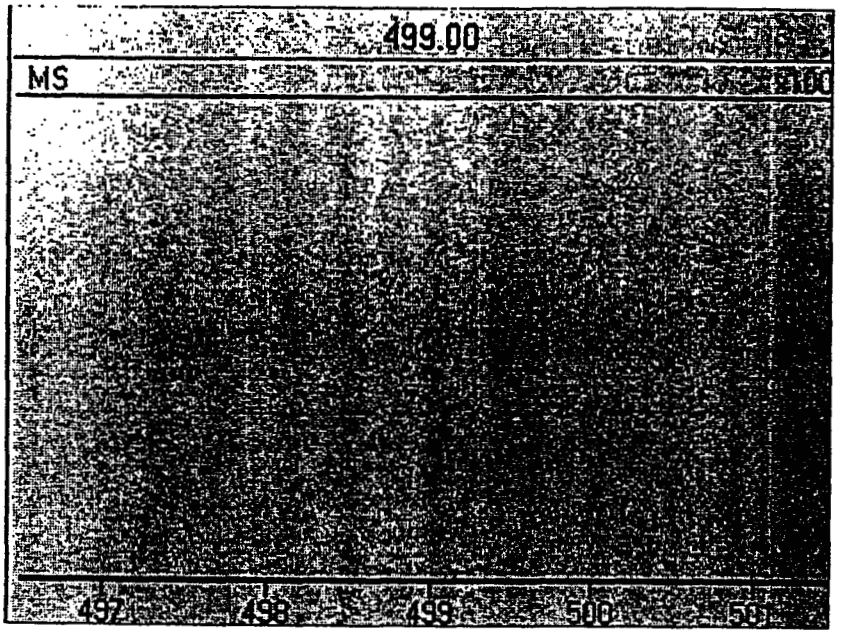
BACK TO MAIN

Hb5 5/25/99

Tuning Method Report

Method: C:\MASSLYNX\RATS2.PRO\ACQUDB\PFOS

Printed: Tue May 25 15:22:53 1999



MS

SOURCE (ESP-)	Set	Rdbk
Capillary	3.00	2.98
Cone	15	-15
Extractor	5	-5
RF Lens	0.2	
Source Block Temp.	150	150
Desolvation Temp.	250	251

MS1	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 6	5	7
Multiplier	650	

Pressures	Rdbk
Analyser Vacuum	1.6e-4
Gas Cell	4.5e-3

MS2	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Collision	30	46
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 8	40	40
Lens 9	0	48
Multiplier	650	

tbl 5/25/99

Masslynx - Sample List

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\052599a.SPL
Printed: Tue May 25 15:16:14 1999

	File Name	File Text	MS File	Inlet File
1	052599001	methanol blank	9MIN-PFOS-POAA-513-613	9min-2
2	052599002	methanol blank	9MIN-PFOS-POAA-513-613	9min-2
3	052599003	tox120, rbl04199-wblk-1	9MIN-PFOS-POAA-513-613	9min-2
4	052599004	tox120, rbl04199-lblk-1	9MIN-PFOS-POAA-513-613	9min-2
5	052599005	tox120, rbl04199-5ppb-1	9MIN-PFOS-POAA-513-613	9min-2
6	052599006	tox120, rbl04199-10ppb-1	9MIN-PFOS-POAA-513-613	9min-2
7	052599007	tox120, rbl04199-25ppb-1	9MIN-PFOS-POAA-513-613	9min-2
8	052599008	tox120, rbl04199-50ppb-1	9MIN-PFOS-POAA-513-613	9min-2
9	052599009	tox120, rbl04199-100ppb-1	9MIN-PFOS-POAA-513-613	9min-2
10	052599010	tox120, rbl04199-250ppb-1	9MIN-PFOS-POAA-513-613	9min-2
11	052599011	tox120, rbl04199-500ppb-1	9MIN-PFOS-POAA-513-613	9min-2
12	052599012	tox120, rbl04199-750ppb-1	9MIN-PFOS-POAA-513-613	9min-2
13	052599013	tox120, rbl04199-1000ppb-1	9MIN-PFOS-POAA-513-613	9min-2
14	052599014	methanol blank	9MIN-PFOS-POAA-513-613	9min-2
15	052599015	tox120, rtl, 3M-g1-250 ppb-ms, 4/19/99	9MIN-PFOS-POAA-513-613	9min-2
16	052599016	tox120, rtl, 3M-g1-250 ppb-msd, 4/19/99	9MIN-PFOS-POAA-513-613	9min-2
17	052599017	tox120, rtl, 110F-g1-250 ppb-msd, 2/22/99	9MIN-PFOS-POAA-513-613	9min-2
18	052599018	tox120, rtl, 110F-g1-250 ppb-msd, 2/22/99	9MIN-PFOS-POAA-513-613	9min-2
19	052599019	tox120, rtl, 106F-g1-250 ppb-ms, 2/22/99	9MIN-PFOS-POAA-513-613	9min-2
20	052599020	tox120, rtl, 106F-g1-250 ppb-msd, 2/22/99	9MIN-PFOS-POAA-513-613	9min-2
21	052599021	tox120, rbl04199-250ppb-cc-4	9MIN-PFOS-POAA-513-613	9min-2
22	052599022	methanol blank	9MIN-PFOS-POAA-513-613	9min-2
23	052599023	tox120, rtl, 81M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
24	052599024	tox120, rtl, 82M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
25	052599025	tox120, rtl, 83M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
26	052599026	tox120, rtl, 84M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
27	052599027	tox120, rtl, 85M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
28	052599028	tox120, rbl04199-250ppb-cc-1	9MIN-PFOS-POAA-513-613	9min-2
29	052599029	methanol blank	9MIN-PFOS-POAA-513-613	9min-2
30	052599030	tox120, rtl, 86M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
31	052599031	tox120, rtl, 87M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
32	052599032	tox120, rtl, 88M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
33	052599033	tox120, rtl, 89M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
34	052599034	tox120, rtl, 90M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
35	052599035	tox120, rbl04199-250ppb-cc-6	9MIN-PFOS-POAA-513-613	9min-2
36	052599036	methanol blank	9MIN-PFOS-POAA-513-613	9min-2
37	052599037	tox120, rtl, 91M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
38	052599038	tox120, rtl, 93M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
39	052599039	tox120, rtl, 94M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
40	052599040	tox120, rtl, 95M-g6, 4/19/99, d1000	9MIN-PFOS-POAA-513-613	9min-2
41	052599041	tox120, rbl04199-250ppb-cc-3	9MIN-PFOS-POAA-513-613	9min-2
42	052599042	methanol blank	9MIN-PFOS-POAA-513-613	9min-2
43	052599043	tox120, rtl, 17M-g2, 4/19/99, d25	9MIN-PFOS-POAA-513-613	9min-2
44	052599044	tox120, rtl, 18M-g2, 4/19/99, d25	9MIN-PFOS-POAA-513-613	9min-2
45	052599045	tox120, rtl, 19M-g2, 4/19/99, d25	9MIN-PFOS-POAA-513-613	9min-2
46	052599046	tox120, rtl, 20M-g2, 4/19/99, d25	9MIN-PFOS-POAA-513-613	9min-2
47	052599047	tox120, rtl, 21M-g2, 4/19/99, d25	9MIN-PFOS-POAA-513-613	9min-2
48	052599048	tox120, rtl, 22M-g2, 4/19/99, d25	9MIN-PFOS-POAA-513-613	9min-2
49	052599049	tox120, rbl04199-250ppb-cc-11	9MIN-PFOS-POAA-513-613	9min-2
50	052599050	methanol blank	9MIN-PFOS-POAA-513-613	9min-2
51	052599051	tox120, rtl, 17M-g2, 4/19/99	9MIN-PFOS-POAA-513-613	9min-2
52	052599052	tox120, rtl, 18M-g2, 4/19/99	9MIN-PFOS-POAA-513-613	9min-2
53	052599053	tox120, rtl, 19M-g2, 4/19/99	9MIN-PFOS-POAA-513-613	9min-2
54	052599054	tox120, rtl, 20M-g2, 4/19/99	9MIN-PFOS-POAA-513-613	9min-2
55	052599055	tox120, rtl, 21M-g2, 4/19/99	9MIN-PFOS-POAA-513-613	9min-2
56	052599056	tox120, rtl, 22M-g2, 4/19/99	9MIN-PFOS-POAA-513-613	9min-2
57	052599057	tox120, rbl04199-250ppb-cc-2	9MIN-PFOS-POAA-513-613	9min-2
58	052599058	methanol blank	9MIN-PFOS-POAA-513-613	9min-2
59	052599059	tox120, rtl, 41M-g3, 4/19/99	9MIN-PFOS-POAA-513-613	9min-2
60	052599060	tox120, rbl04199-wblk-1	9MIN-PFOS-POAA-513-613	9min-2

BACK TO MAIN

bbs 5/25/99

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\052599a.SPL
Printed: Tue May 25 15:16:14 1999

	File Name	File Text	MS File	Inlet File
61	052599061	tox120, rbl04199-lblk-1	9MIN-PFOS-POAA-513-613	9min-2
62	052599062	tox120, rbl04199-5ppb-1	9MIN-PFOS-POAA-513-613	9min-2
63	052599063	tox120, rbl04199-10ppb-1	9MIN-PFOS-POAA-513-613	9min-2
64	052599064	tox120, rbl04199-25ppb-1	9MIN-PFOS-POAA-513-613	9min-2
65	052599065	tox120, rbl04199-50ppb-1	9MIN-PFOS-POAA-513-613	9min-2
66	052599066	tox120, rbl04199-100ppb-1	9MIN-PFOS-POAA-513-613	9min-2
67	052599067	tox120, rbl04199-250ppb-1	9MIN-PFOS-POAA-513-613	9min-2
68	052599068	tox120, rbl04199-500ppb-1	9MIN-PFOS-POAA-513-613	9min-2
69	052599069	tox120, rbl04199-750ppb-1	9MIN-PFOS-POAA-513-613	9min-2
70	052599070	tox120, rbl04199-1000ppb-1	9MIN-PFOS-POAA-513-613	9min-2

BACK TO MAIN

5/25/99

Scanning Method Report

Method: C:\MASSLYNX\RATS2.PRO\ACQUDB\9MIN-PFOS-POAA-513-613
Last Modified: Tue May 25 10:39:45 1999

Printed: Tue May 25 15:16:26 1999

Solvent Delay (mins) : 0.00

Function : 1 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	413.00	169.00	0.30	30	15

Function : 2 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	513.00	169.00	0.20	30	15

Function : 3 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	613.00	169.00	0.20	30	15

Function : 4 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	499.00	99.00	0.30	45	60

Function : 5 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	427.00	80.00	0.30	40	60

FACT: DATA REVIEW SUMMARY FORM

BACK TO MAIN

Date: 5/26/99

Analyst: HoJ

FACT Study Number: T0k120

Matrix: RTC

Time Points: —

Dilutions? 465

Analyte 1: PoAA

Acceptable Linear Range: 5.56 - 883 ng/L

LOQ for this data set: 5.56 ng/L

Re-evaluated for different range? N

Analyte 2: MSCJ

Acceptable Linear Range: 27.8 - 883 ng/L

LOQ for this data set: 27.8 ng/L

Re-evaluated for different range? N

Analyte 3: M6CJ

Acceptable Linear Range: 5.56 - 1111 ng/L

LOQ for this data set: 5.56 ng/L

Re-evaluated for different range? N

Analyte 4: HoJ

Acceptable Linear Range: 5.56 - 1111 ng/L

LOQ for this data set: 5.56 ng/L

Re-evaluated for different range? N

Analyte 5: _____

Acceptable Linear Range: _____

LOQ for this data set: _____

Re-evaluated for different range? _____

Analyte 6: HoS 5/26/99

Acceptable Linear Range: _____

LOQ for this data set: _____

Re-evaluated for different range? _____

Analyte 7: _____

Acceptable Linear Range: _____

LOQ for this data set: _____

Re-evaluated for different range? _____

BACK TO MAIN

hoj 5/26/99

Quantify Compound Summary Report
tox120, rtl

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\052599a
Last modified: Wed May 26 07:17:29 1999
Method: C:\MASSLYNX\rats2.PRO\MethDB\052599a
Last modified: Wed May 26 07:18:17 1999
Job Code:

Printed: Wed May 26 08:20:32 1999

Compound 1: POAA

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	052599001	methanol blank	Analyte						
2	052599002	methanol blank	Analyte						
3	052599003	tox120, rbl04199-wblk-1	Analyte		4.950	23	121.15	MM	
4	052599004	tox120, rbl04199-lblk-1	Analyte		5.052	14	70.17	bb	
5	052599005	tox120, rbl04199-5ppb-1	Standard	5.56	5.300	4	8.47	bb	52
6	052599006	tox120, rbl04199-10ppb-1	Standard	11.10	4.985	4	6.69	bb	-40
7	052599007	tox120, rbl04199-25ppb-1	Standard	27.80	4.979	8	30.61	bb	10
8	052599008	tox120, rbl04199-50ppb-1	Standard	55.60	4.901	11	48.67	MM	-12
9	052599009	tox120, rbl04199-100ppb-1	Standard	111.00	4.924	16	82.50	bb	-26
10	052599010	tox120, rbl04199-250ppb-1	Standard	278.00	5.023	55	314.43	bb	13
11	052599011	tox120, rbl04199-500ppb-1	Standard	556.00	5.011	102	599.82	bb	8
12	052599012	tox120, rbl04199-750ppb-1	Standard	833.00	5.028	133	786.88	bb	-6
13	052599013	tox120, rbl04199-1000ppb-1	Standard	1111.00	5.022	150	889.48	MMX	-20
14	052599014	methanol blank	Analyte						
15	052599015	tox120, rtl, 3M-g1-250 ppb-ms, 4/19/99	Analyte		4.996	40	228.81	MM	
16	052599016	tox120, rtl, 3M-g1-250 ppb-msd, 4/19/99	Analyte		5.033	44	252.28	MM	
17	052599017	tox120, rtl, 110F-g1-250 ppb-ms, 2/22/99	Analyte		4.997	40	223.92	bb	
18	052599018	tox120, rtl, 110F-g1-250 ppb-msd, 2/22/99	Analyte		5.005	31	173.51	MM	
19	052599019	tox120, rtl, 106F-g1-250 ppb-ms, 2/22/99	Analyte		5.000	39	219.73	MM	
20	052599020	tox120, rtl, 106F-g1-250 ppb-msd, 2/22/99	Analyte		5.004	47	268.17	MM	
21	052599021	tox120, rbl04199-250ppb-cc-4	QC	278.00	5.028	45	253.71	MM	-9
22	052599022	methanol blank	Analyte						
23	052599023	tox120, rtl, 81M-g6, 4/19/99, d1000	Analyte						
24	052599024	tox120, rtl, 82M-g6, 4/19/99, d1000	Analyte						
25	052599025	tox120, rtl, 83M-g6, 4/19/99, d1000	Analyte						
26	052599026	tox120, rtl, 84M-g6, 4/19/99, d1000	Analyte						
27	052599027	tox120, rtl, 85M-g6, 4/19/99, d1000	Analyte						
28	052599028	tox120, rbl04199-250ppb-cc-1	QC	278.00	5.004	45	256.64	bb	-8
29	052599029	methanol blank	Analyte						
30	052599030	tox120, rtl, 86M-g6, 4/19/99, d1000	Analyte						
31	052599031	tox120, rtl, 87M-g6, 4/19/99, d1000	Analyte						
32	052599032	tox120, rtl, 88M-g6, 4/19/99, d1000	Analyte		5.236	4	9.54	bb	
33	052599033	tox120, rtl, 89M-g6, 4/19/99, d1000	Analyte						
34	052599034	tox120, rtl, 90M-g6, 4/19/99, d1000	Analyte						
35	052599035	tox120, rbl04199-250ppb-cc-6	QC	278.00	5.042	47	266.91	bb	-4
36	052599036	methanol blank	Analyte						
37	052599037	tox120, rtl, 91M-g6, 4/19/99, d1000	Analyte						
38	052599038	tox120, rtl, 93M-g6, 4/19/99, d1000	Analyte						
39	052599039	tox120, rtl, 94M-g6, 4/19/99, d1000	Analyte						
40	052599040	tox120, rtl, 95M-g6, 4/19/99, d1000	Analyte						
41	052599041	tox120, rbl04199-250ppb-cc-3	QC	278.00	5.055	55	314.02	bb	13
42	052599042	methanol blank	Analyte						
43	052599043	tox120, rtl, 17M-g2, 4/19/99, d25	Analyte		5.042	36	201.24	bb	
44	052599044	tox120, rtl, 18M-g2, 4/19/99, d25	Analyte		5.060	26	139.32	bb	
45	052599045	tox120, rtl, 19M-g2, 4/19/99, d25	Analyte		5.046	58	336.91	bb	
46	052599046	tox120, rtl, 20M-g2, 4/19/99, d25	Analyte		5.023	55	315.14	bb	
47	052599047	tox120, rtl, 21M-g2, 4/19/99, d25	Analyte		5.024	35	196.68	MM	
48	052599048	tox120, rtl, 22M-g2, 4/19/99, d25	Analyte		5.025	50	283.47	bb	
49	052599049	tox120, rbl04199-250ppb-cc-11	QC	278.00	5.026	44	247.94	MM	-11
50	052599050	methanol blank	Analyte						
51	052599051	tox120, rtl, 17M-g2, 4/19/99	Analyte		5.026	438	2615.70	bb	
52	052599052	tox120, rtl, 18M-g2, 4/19/99	Analyte		5.030	570	3410.25	bb	
53	052599053	tox120, rtl, 19M-g2, 4/19/99	Analyte		5.024	523	3130.06	bb	
54	052599054	tox120, rtl, 20M-g2, 4/19/99	Analyte		5.028	576	3446.03	bb	
55	052599055	tox120, rtl, 21M-g2, 4/19/99	Analyte		5.019	539	3224.10	bb	
56	052599056	tox120, rtl, 22M-g2, 4/19/99	Analyte		5.024	442	2640.17	bb	
57	052599057	tox120, rbl04199-250ppb-cc-2	QC	278.00	4.994	39	217.34	bb	-22
58	052599058	methanol blank	Analyte						
59	052599059	tox120, rtl, 41M-g3, 4/19/99	Analyte		5.024	317	1888.82	MM	
60	052599060	tox120, rbl04199-wblk-1	Analyte		5.030	16	79.50	bb	
61	052599061	tox120, rbl04199-lblk-1	Analyte						
62	052599062	tox120, rbl04199-5ppb-1	Standard	5.56					
63	052599063	tox120, rbl04199-10ppb-1	Standard	11.10					
64	052599064	tox120, rbl04199-25ppb-1	Standard	27.80	5.044	9	36.60	MMX	32
65	052599065	tox120, rbl04199-50ppb-1	Standard	55.60	4.786	20	103.81	bbX	87
66	052599066	tox120, rbl04199-100ppb-1	Standard	111.00	5.045	19	97.55	bbX	-12
67	052599067	tox120, rbl04199-250ppb-1	Standard	278.00	5.027	46	264.89	MMX	-5
68	052599068	tox120, rbl04199-500ppb-1	Standard	556.00	5.020	79	462.30	MMX	-17
69	052599069	tox120, rbl04199-750ppb-1	Standard	833.00	5.024	85	497.64	bbX	-40
70	052599070	tox120, rbl04199-1000ppb-1	Standard	1111.00	4.972	115	676.08	MMX	-39

UAC 5/26/99

Entered UAC 05/26/99

Entered UAC 05/26/99

- Need to dilute 1:10 UAC 5/26

Amelia 062498: quantiated and printed by hoj 5/26/99

BACK TO MAIN

hoj 5/26/99

Quantify Compound Summary Report
tox120, rtl

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\052599a
Last modified: Wed May 26 07:17:29 1999
Method: C:\MASSLYNX\rats2.PRO\MethDB\052599a
Last modified: Wed May 26 07:18:17 1999
Job Code:

Printed: Wed May 26 08:20:32 1999

Compound 2: M513

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	052599001	methanol blank	Analyte						
2	052599002	methanol blank	Analyte						
3	052599003	tox120, rbl04199-wblk-1	Analyte						
4	052599004	tox120, rbl04199-lblk-1	Analyte						
5	052599005	tox120, rbl04199-5ppb-1	Standard	5.56					
6	052599006	tox120, rbl04199-10ppb-1	Standard	11.10					
7	052599007	tox120, rbl04199-25ppb-1	Standard	27.80	5.471	5	12.91	bb	-54
8	052599008	tox120, rbl04199-50ppb-1	Standard	55.60	5.488	13	72.45	MM	30
9	052599009	tox120, rbl04199-100ppb-1	Standard	111.00	5.464	21	130.40	bb	17
10	052599010	tox120, rbl04199-250ppb-1	Standard	278.00	5.488	46	316.68	MM	14
11	052599011	tox120, rbl04199-500ppb-1	Standard	556.00	5.455	77	540.85	bb	-3
12	052599012	tox120, rbl04199-750ppb-1	Standard	833.00	5.469	110	788.13	MM	-5
13	052599013	tox120, rbl04199-1000ppb-1	Standard	1111.00	5.465	129	922.50	MMX	-17
14	052599014	methanol blank	Analyte		5.750	4	0.98	bb	
15	052599015	tox120, rtl, 3M-g1-250 ppb-ms, 4/19/99	Analyte		5.462	34	226.51	bb	Entered
16	052599016	tox120, rtl, 3M-g1-250 ppb-msd, 4/19/99	Analyte		5.475	39	262.87	bb	
17	052599017	tox120, rtl, 110F-g1-250 ppb-msd, 2/22/99	Analyte		5.463	28	180.25	bb	Entered
18	052599018	tox120, rtl, 110F-g1-250 ppb-msd, 2/22/99	Analyte		5.476	26	162.57	bb	
19	052599019	tox120, rtl, 106F-g1-250 ppb-ms, 2/22/99	Analyte		5.468	41	277.30	MM	
20	052599020	tox120, rtl, 106F-g1-250 ppb-msd, 2/22/99	Analyte		5.494	42	283.04	bb	
21	052599021	tox120, rbl04199-250ppb-cc-4	QC	278.00	5.446	36	240.93	MM	-13
22	052599022	methanol blank	Analyte						
23	052599023	tox120, rtl, 81M-g6, 4/19/99, d1000	Analyte						
24	052599024	tox120, rtl, 82M-g6, 4/19/99, d1000	Analyte						
25	052599025	tox120, rtl, 83M-g6, 4/19/99, d1000	Analyte		5.470	5	11.89	bb	
26	052599026	tox120, rtl, 84M-g6, 4/19/99, d1000	Analyte						
27	052599027	tox120, rtl, 85M-g6, 4/19/99, d1000	Analyte						
28	052599028	tox120, rbl04199-250ppb-cc-1	QC	278.00	5.470	37	245.31	MM	-12
29	052599029	methanol blank	Analyte						
30	052599030	tox120, rtl, 86M-g6, 4/19/99, d1000	Analyte						
31	052599031	tox120, rtl, 87M-g6, 4/19/99, d1000	Analyte						
32	052599032	tox120, rtl, 88M-g6, 4/19/99, d1000	Analyte						
33	052599033	tox120, rtl, 89M-g6, 4/19/99, d1000	Analyte						
34	052599034	tox120, rtl, 90M-g6, 4/19/99, d1000	Analyte						
35	052599035	tox120, rbl04199-250ppb-cc-6	QC	278.00	5.486	40	267.80	bb	-4
36	052599036	methanol blank	Analyte						
37	052599037	tox120, rtl, 91M-g6, 4/19/99, d1000	Analyte						
38	052599038	tox120, rtl, 93M-g6, 4/19/99, d1000	Analyte						
39	052599039	tox120, rtl, 94M-g6, 4/19/99, d1000	Analyte						
40	052599040	tox120, rtl, 95M-g6, 4/19/99, d1000	Analyte						
41	052599041	tox120, rbl04199-250ppb-cc-3	QC	278.00	5.476	34	228.46	bb	-18
42	052599042	methanol blank	Analyte						
43	052599043	tox120, rtl, 17M-g2, 4/19/99, d25	Analyte		5.460	9	40.68	bb	
44	052599044	tox120, rtl, 18M-g2, 4/19/99, d25	Analyte		5.502	6	16.57	MM	
45	052599045	tox120, rtl, 19M-g2, 4/19/99, d25	Analyte		5.513	13	67.85	bb	Entered
46	052599046	tox120, rtl, 20M-g2, 4/19/99, d25	Analyte		5.489	16	88.95	bb	
47	052599047	tox120, rtl, 21M-g2, 4/19/99, d25	Analyte		5.513	21	125.53	bb	
48	052599048	tox120, rtl, 22M-g2, 4/19/99, d25	Analyte		5.494	14	80.77	bb	
49	052599049	tox120, rbl04199-250ppb-cc-11	QC	278.00	5.515	32	208.72	MM	-25
50	052599050	methanol blank	Analyte						
51	052599051	tox120, rtl, 17M-g2, 4/19/99	Analyte		5.492	155	1113.48	MM	
52	052599052	tox120, rtl, 18M-g2, 4/19/99	Analyte		5.471	120	861.12	bb	
53	052599053	tox120, rtl, 19M-g2, 4/19/99	Analyte		5.490	138	987.88	MM	
54	052599054	tox120, rtl, 20M-g2, 4/19/99	Analyte		5.471	157	1131.41	bb	
55	052599055	tox120, rtl, 21M-g2, 4/19/99	Analyte		5.486	161	1161.29	bb	
56	052599056	tox120, rtl, 22M-g2, 4/19/99	Analyte		5.488	104	741.94	bb	
57	052599057	tox120, rbl04199-250ppb-cc-2	QC	278.00	5.485	33	216.29	MM	-22
58	052599058	methanol blank	Analyte						
59	052599059	tox120, rtl, 41M-g3, 4/19/99	Analyte		5.468	91	643.40	bb	
60	052599060	tox120, rbl04199-wblk-1	Analyte						
61	052599061	tox120, rbl04199-lblk-1	Analyte						
62	052599062	tox120, rbl04199-5ppb-1	Standard	5.56					
63	052599063	tox120, rbl04199-10ppb-1	Standard	11.10	5.465	2	0.00	bbX	-100
64	052599064	tox120, rbl04199-25ppb-1	Standard	27.80	5.510	9	37.86	MMX	36
65	052599065	tox120, rbl04199-50ppb-1	Standard	55.60	5.501	11	52.34	bbX	-6
66	052599066	tox120, rbl04199-100ppb-1	Standard	111.00	5.488	22	139.09	bbX	25
67	052599067	tox120, rbl04199-250ppb-1	Standard	278.00	5.470	34	223.39	bbX	-20
68	052599068	tox120, rbl04199-500ppb-1	Standard	556.00	5.464	61	427.20	bbX	-23
69	052599069	tox120, rbl04199-750ppb-1	Standard	833.00	5.465	71	496.09	bbX	-40
70	052599070	tox120, rbl04199-1000ppb-1	Standard	1111.00	5.487	74	520.73	bbX	-53

RE LAC 05/26/99

Entered > LAC 05/26/99

Entered LAC 5/26/9

Amelia 062498: quantiated and printed by hoj 5/26/99

BACK TO MAIN

Quantify Compound Summary Report
TOX-120 Rat Liver Dilutions

Sample List: S:\FACT-1.PRO\SampleDB\051499a
Last modified: Mon May 17 14:14:20 1999
Method: S:\FACT-1.PRO\MethDB\051499a
Last modified: Mon May 17 14:23:38 1999
Job Code:

Printed: Tue May 18 08:22:40 1999

DKB
5/18/99

Compound 2: M463

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Response	Conc.	Flags	%Dev
1	051499061	MeOH Blank	Analyte							
2	051499062	MeOH Blank	Analyte							
3	051499063	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte							
4	051499064	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte							
5	051499065	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56						
6	051499066	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10						
7	051499067	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80						
8	051499068	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60						
9	051499069	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00						
10	051499070	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00						
11	051499071	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00						
12	051499072	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00						
13	051499073	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00						
14	051499074	MeOH Blank	Analyte							
15	051499075	Tox-120 23M G2 / D1:25	Analyte		5.307	613	612.731		bbI	
16	051499076	Tox-120 24M G2 / D1:25	Analyte		5.306	637	636.927		bbI	
17	051499077	Tox-120 25M G2 / D1:25	Analyte		5.307	509	509.037		bbI	
18	051499078	Tox-120 26M G2 / D1:25	Analyte		5.307	473	472.806		bbI	
19	051499079	Tox-120, RBL04199-250ppb-CC1, 4/19/99	QC	278.00						
20	051499080	MeOH Blank	Analyte							
21	051499081	Tox-120 33M G3 / D1:25	Analyte		5.306	48	48.048		MMI	
22	051499082	Tox-120 34M G3 / D1:25	Analyte		5.308	49	48.581		MMI	
23	051499083	Tox-120 35M G3 / D1:25	Analyte		5.308	47	46.922		MMI	
24	051499084	Tox-120 36M G3 / D1:25	Analyte		5.308	44	43.598		MMI	
25	051499085	Tox-120 37M G3 / D1:25	Analyte		5.315	44	43.676		MMI	
26	051499086	Tox-120 38M G3 / D1:25	Analyte		5.307	35	34.651		MMI	
27	051499087	Tox-120 39M G3 / D1:25	Analyte		5.306	44	44.313		MMI	
28	051499088	Tox-120 40M G3 / D1:25	Analyte		5.307	43	42.794		MMI	
29	051499089	Tox-120, RBL04199-250ppb-CC3, 4/19/99	QC	278.00						
30	051499090	MeOH Blank	Analyte							
31	051499091	Tox-120 27M G2 / D1:10	Analyte		5.308	1080	1079.684		bbI	
32	051499092	Tox-120 29M G2 / D1:10	Analyte		5.306	1367	1367.145		bbI	
33	051499093	Tox-120 30M G2 / D1:10	Analyte		5.307	1207	1206.705		bbI	
34	051499094	Tox-120 31M G2 / D1:10	Analyte		5.307	1023	1022.573		bbI	
35	051499095	Tox-120, RBL04199-250ppb-CC4, 4/19/99	QC	278.00						
36	051499096	MeOH Blank	Analyte							
37	051499097	Tox-120 42M G3 / D1:10	Analyte		5.306	66	66.125		MMI	
38	051499098	Tox-120 43M G3 / D1:10	Analyte		5.307	83	83.086		bbI	
39	051499099	Tox-120 45M G3 / D1:10	Analyte		5.306	50	50.209		MMI	
40	051499100	Tox-120 46M G3 / D1:10	Analyte		5.307	63	63.197		MMI	
41	051499101	Tox-120 47M G3 / D1:10	Analyte		5.306	55	55.155		MMI	
42	051499102	Tox-120, RBL04199-250ppb-CC5, 4/19/99	QC	278.00						
43	051499103	MeOH Blank	Analyte							
44	051499104	Tox-120, RBL04199-H2OBlk-2, 4/19/99	Analyte							
45	051499105	Tox-120, RBL04199-LBlk-2, 4/19/99	Analyte							
46	051499106	Tox-120, RBL04199-5ppb-2, 4/19/99	Standard	5.56						
47	051499107	Tox-120, RBL04199-10ppb-2, 4/19/99	Standard	11.10						
48	051499108	Tox-120, RBL04199-25ppb-2, 4/19/99	Standard	27.80						
49	051499109	Tox-120, RBL04199-50ppb-2, 4/19/99	Standard	55.60						
50	051499110	Tox-120, RBL04199-100ppb-2, 4/19/99	Standard	111.00						
51	051499111	Tox-120, RBL04199-250ppb-2, 4/19/99	Standard	278.00						
52	051499112	Tox-120, RBL04199-500ppb-2, 4/19/99	Standard	556.00						
53	051499113	Tox-120, RBL04199-750ppb-2, 4/19/99	Standard	833.00						
54	051499114	Tox-120, RBL04199-1000ppb-2, 4/19/99	Standard	1111.00						

Soup 020199, Reviewed and quantitated by drb 5/17/99

BACK TO MAIN

hoj 5/26/99

Quantify Compound Summary Report
tox120, rtl

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\052599a
Last modified: Wed May 26 07:17:29 1999
Method: C:\MASSLYNX\rats2.PRO\MethDB\052599a
Last modified: Wed May 26 07:18:17 1999
Job Code:

Printed: Wed May 26 08:20:32 1999

Compound 3: M613

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	052599001	methanol blank	Analyte						
2	052599002	methanol blank	Analyte						
3	052599003	tox120, rbl04199-wblk-1	Analyte						
4	052599004	tox120, rbl04199-lblk-1	Analyte						
5	052599005	tox120, rbl04199-5ppb-1	Standard	5.56	5.795	3	1.54	MM	-72
6	052599006	tox120, rbl04199-10ppb-1	Standard	11.10	5.797	5	8.66	MM	-22
7	052599007	tox120, rbl04199-25ppb-1	Standard	27.80	5.765	14	32.23	bb	16
8	052599008	tox120, rbl04199-50ppb-1	Standard	55.60	5.808	33	82.54	bb	48
9	052599009	tox120, rbl04199-100ppb-1	Standard	111.00	5.784	53	137.72	bb	24
10	052599010	tox120, rbl04199-250ppb-1	Standard	278.00	5.782	116	304.34	bb	9
11	052599011	tox120, rbl04199-500ppb-1	Standard	556.00	5.776	221	587.57	bb	6
12	052599012	tox120, rbl04199-750ppb-1	Standard	833.00	5.767	318	848.84	bb	2
13	052599013	tox120, rbl04199-1000ppb-1	Standard	1111.00	5.788	369	985.61	bb	-11
14	052599014	methanol blank	Analyte						
15	052599015	tox120, rtl, 3M-g1-250 ppb-ms, 4/19/99	Analyte		5.782	105	274.93	bb	
16	052599016	tox120, rtl, 3M-g1-250 ppb-msd, 4/19/99	Analyte		5.778	118	310.32	MM	
17	052599017	tox120, rtl, 110F-g1-250 ppb-msd, 2/22/99	Analyte		5.784	104	273.67	MM	
18	052599018	tox120, rtl, 110F-g1-250 ppb-msd, 2/22/99	Analyte		5.772	92	241.88	MM	
19	052599019	tox120, rtl, 106F-g1-250 ppb-ms, 2/22/99	Analyte		5.765	102	268.45	bb	
20	052599020	tox120, rtl, 106F-g1-250 ppb-msd, 2/22/99	Analyte		5.767	120	315.53	MM	
21	052599021	tox120, rbl04199-250ppb-cc-4	QC	278.00	5.767	101	266.49	MM	-4
22	052599022	methanol blank	Analyte						
23	052599023	tox120, rtl, 81M-g6, 4/19/99, d1000	Analyte						
24	052599024	tox120, rtl, 82M-g6, 4/19/99, d1000	Analyte						
25	052599025	tox120, rtl, 83M-g6, 4/19/99, d1000	Analyte						
26	052599026	tox120, rtl, 84M-g6, 4/19/99, d1000	Analyte						
27	052599027	tox120, rtl, 85M-g6, 4/19/99, d1000	Analyte						
28	052599028	tox120, rbl04199-250ppb-cc-1	QC	278.00	5.792	112	295.72	MM	6
29	052599029	methanol blank	Analyte						
30	052599030	tox120, rtl, 86M-g6, 4/19/99, d1000	Analyte						
31	052599031	tox120, rtl, 87M-g6, 4/19/99, d1000	Analyte						
32	052599032	tox120, rtl, 88M-g6, 4/19/99, d1000	Analyte						
33	052599033	tox120, rtl, 89M-g6, 4/19/99, d1000	Analyte						
34	052599034	tox120, rtl, 90M-g6, 4/19/99, d1000	Analyte						
35	052599035	tox120, rbl04199-250ppb-cc-6	QC	278.00	5.782	112	295.27	MM	6
36	052599036	methanol blank	Analyte						
37	052599037	tox120, rtl, 91M-g6, 4/19/99, d1000	Analyte						
38	052599038	tox120, rtl, 93M-g6, 4/19/99, d1000	Analyte						
39	052599039	tox120, rtl, 94M-g6, 4/19/99, d1000	Analyte						
40	052599040	tox120, rtl, 95M-g6, 4/19/99, d1000	Analyte						
41	052599041	tox120, rbl04199-250ppb-cc-3	QC	278.00	5.795	100	262.77	MM	-5
42	052599042	methanol blank	Analyte						
43	052599043	tox120, rtl, 17M-g2, 4/19/99, d25	Analyte		5.781	5	8.69	bb	
44	052599044	tox120, rtl, 18M-g2, 4/19/99, d25	Analyte						
45	052599045	tox120, rtl, 19M-g2, 4/19/99, d25	Analyte						
46	052599046	tox120, rtl, 20M-g2, 4/19/99, d25	Analyte						
47	052599047	tox120, rtl, 21M-g2, 4/19/99, d25	Analyte						
48	052599048	tox120, rtl, 22M-g2, 4/19/99, d25	Analyte						
49	052599049	tox120, rbl04199-250ppb-cc-11	QC	278.00	5.813	76	199.37	MM	-28
50	052599050	methanol blank	Analyte						
51	052599051	tox120, rtl, 17M-g2, 4/19/99	Analyte		5.812	36	89.73	MM	
52	052599052	tox120, rtl, 18M-g2, 4/19/99	Analyte		5.791	28	69.25	bb	
53	052599053	tox120, rtl, 19M-g2, 4/19/99	Analyte		5.788	33	84.01	bb	
54	052599054	tox120, rtl, 20M-g2, 4/19/99	Analyte		5.815	30	73.71	bb	
55	052599055	tox120, rtl, 21M-g2, 4/19/99	Analyte		5.783	39	98.92	bb	
56	052599056	tox120, rtl, 22M-g2, 4/19/99	Analyte		5.785	29	72.86	bb	
57	052599057	tox120, rbl04199-250ppb-cc-2	QC	278.00	5.782	81	210.54	MM	-24
58	052599058	methanol blank	Analyte						
59	052599059	tox120, rtl, 41M-g3, 4/19/99	Analyte		5.789	27	66.29	bb	
60	052599060	tox120, rbl04199-wblk-1	Analyte						
61	052599061	tox120, rbl04199-lblk-1	Analyte						
62	052599062	tox120, rbl04199-5ppb-1	Standard	5.56	5.741	9	17.56	bbX	216
63	052599063	tox120, rbl04199-10ppb-1	Standard	11.10	5.807	7	11.87	bbX	7
64	052599064	tox120, rbl04199-25ppb-1	Standard	27.80	5.806	13	29.34	bbX	6
65	052599065	tox120, rbl04199-50ppb-1	Standard	55.60	5.775	11	23.51	bbX	-58
66	052599066	tox120, rbl04199-100ppb-1	Standard	111.00	5.786	41	103.06	bbX	-7
67	052599067	tox120, rbl04199-250ppb-1	Standard	278.00	5.790	87	227.94	bbX	-18
68	052599068	tox120, rbl04199-500ppb-1	Standard	556.00	5.785	150	398.05	bbX	-28
69	052599069	tox120, rbl04199-750ppb-1	Standard	833.00	5.787	204	542.63	bbX	-35
70	052599070	tox120, rbl04199-1000ppb-1	Standard	1111.00	5.786	252	669.29	bbX	-40

UAC 5/26/99

Entered UAC 05/26/99

Entered UAC 05/26/99

Amelia 062498: quantiated and printed by hoj 5/26/99

BACK TO MAIN

hoj 5/26/99

Quantify Compound Summary Report
tox120, rtl

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\052599a
Last modified: Wed May 26 07:17:29 1999
Method: C:\MASSLYNX\rats2.PRO\MethDB\052599a
Last modified: Wed May 26 07:18:17 1999
Job Code:

Printed: Wed May 26 08:20:32 1999

Compound 4: PFOS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev	
1	052599001	methanol blank	Analyte							
2	052599002	methanol blank	Analyte							
3	052599003	tox120, rbl04199-wblk-1	Analyte		5.329	13	0.00	bb		
4	052599004	tox120, rbl04199-lblk-1	Analyte		5.283	34	0.00	bb		
5	052599005	tox120, rbl04199-5ppb-1	Standard	5.56	5.264	42	3.40	MM	-39	
6	052599006	tox120, rbl04199-10ppb-1	Standard	11.10	5.268	43	4.66	bb	-58	
7	052599007	tox120, rbl04199-25ppb-1	Standard	27.80	5.259	92	41.91	bb	51	
8	052599008	tox120, rbl04199-50ppb-1	Standard	55.60	5.278	129	69.73	bb	25	
9	052599009	tox120, rbl04199-100ppb-1	Standard	111.00	5.277	195	120.06	bb	8	
10	052599010	tox120, rbl04199-250ppb-1	Standard	278.00	5.255	445	310.85	bb	12	
11	052599011	tox120, rbl04199-500ppb-1	Standard	556.00	5.269	861	628.49	bb	13	
12	052599012	tox120, rbl04199-750ppb-1	Standard	833.00	5.284	1119	825.42	bb	-1	
13	052599013	tox120, rbl04199-1000ppb-1	Standard	1111.00	5.278	1327	984.54	MM	-11	
14	052599014	methanol blank	Analyte							
15	052599015	tox120, rtl, 3M-g1-250 ppb-ms, 4/19/99	Analyte		5.275	496	350.27	bb		
16	052599016	tox120, rtl, 3M-g1-250 ppb-msd, 4/19/99	Analyte		5.266	504	356.00	bb		
17	052599017	tox120, rtl, 110F-g1-250 ppb-msd, 2/22/99	Analyte		5.278	627	450.18	bb		
18	052599018	tox120, rtl, 110F-g1-250 ppb-msd, 2/22/99	Analyte		5.266	666	480.05	bb		
19	052599019	tox120, rtl, 106F-g1-250 ppb-ms, 2/22/99	Analyte		5.255	516	365.37	bb		
20	052599020	tox120, rtl, 106F-g1-250 ppb-msd, 2/22/99	Analyte		5.261	506	357.63	bb		
21	052599021	tox120, rbl04199-250ppb-cc-4	QC	278.00	5.262	440	307.74	bb	11	
22	052599022	methanol blank	Analyte		5.245	5	0.00	bb		
23	052599023	tox120, rtl, 81M-g6, 4/19/99, d1000	Analyte		5.288	361	246.90	bb		
24	052599024	tox120, rtl, 82M-g6, 4/19/99, d1000	Analyte		5.280	693	500.27	bb		
25	052599025	tox120, rtl, 83M-g6, 4/19/99, d1000	Analyte		5.283	494	348.85	bb		
26	052599026	tox120, rtl, 84M-g6, 4/19/99, d1000	Analyte		5.282	600	429.18	bb		
27	052599027	tox120, rtl, 85M-g6, 4/19/99, d1000	Analyte		5.285	669	482.06	bb		
28	052599028	tox120, rbl04199-250ppb-cc-1	QC	278.00	5.284	405	280.89	bb	1	
29	052599029	methanol blank	Analyte							
30	052599030	tox120, rtl, 86M-g6, 4/19/99, d1000	Analyte		5.285	679	489.72	bb		
31	052599031	tox120, rtl, 87M-g6, 4/19/99, d1000	Analyte		5.260	634	455.76	bb		
32	052599032	tox120, rtl, 88M-g6, 4/19/99, d1000	Analyte		5.274	566	403.35	bb		
33	052599033	tox120, rtl, 89M-g6, 4/19/99, d1000	Analyte		5.295	466	326.97	bb		
34	052599034	tox120, rtl, 90M-g6, 4/19/99, d1000	Analyte		5.278	470	330.46	bb		
35	052599035	tox120, rbl04199-250ppb-cc-6	QC	278.00	5.273	404	279.77	bb	1	
36	052599036	methanol blank	Analyte		5.232	9	0.00	MM		
37	052599037	tox120, rtl, 91M-g6, 4/19/99, d1000	Analyte		5.284	389	268.32	bb		
38	052599038	tox120, rtl, 93M-g6, 4/19/99, d1000	Analyte		5.283	311	209.11	bb		
39	052599039	tox120, rtl, 94M-g6, 4/19/99, d1000	Analyte		5.279	370	254.08	bb		
40	052599040	tox120, rtl, 95M-g6, 4/19/99, d1000	Analyte		5.294	367	251.43	bb		
41	052599041	tox120, rbl04199-250ppb-cc-3	QC	278.00	5.288	365	250.18	bb	-10	
42	052599042	methanol blank	Analyte							
43	052599043	tox120, rtl, 17M-g2, 4/19/99, d25	Analyte		5.300	6	0.00	bb		
44	052599044	tox120, rtl, 18M-g2, 4/19/99, d25	Analyte		5.294	7	0.00	bb		
45	052599045	tox120, rtl, 19M-g2, 4/19/99, d25	Analyte		5.280	16	0.00	bb		
46	052599046	tox120, rtl, 20M-g2, 4/19/99, d25	Analyte							
47	052599047	tox120, rtl, 21M-g2, 4/19/99, d25	Analyte							
48	052599048	tox120, rtl, 22M-g2, 4/19/99, d25	Analyte							
49	052599049	tox120, rbl04199-250ppb-cc-11	QC	278.00	5.282	279	184.35	MM	-34	
50	052599050	methanol blank	Analyte							
51	052599051	tox120, rtl, 17M-g2, 4/19/99	Analyte		5.282	81	33.46	bb		
52	052599052	tox120, rtl, 18M-g2, 4/19/99	Analyte		5.284	64	20.62	bb		
53	052599053	tox120, rtl, 19M-g2, 4/19/99	Analyte		5.281	66	22.28	bb		
54	052599054	tox120, rtl, 20M-g2, 4/19/99	Analyte		5.287	54	12.57	bb		
55	052599055	tox120, rtl, 21M-g2, 4/19/99	Analyte		5.300	59	16.68	bb		
56	052599056	tox120, rtl, 22M-g2, 4/19/99	Analyte		5.303	52	11.05	MM		
57	052599057	tox120, rbl04199-250ppb-cc-2	QC	278.00	5.275	339	229.96	bb	-17	
58	052599058	methanol blank	Analyte							
59	052599059	tox120, rtl, 41M-g3, 4/19/99	Analyte		5.284	61	18.46	bb		
60	052599060	tox120, rbl04199-wblk-1	Analyte							
61	052599061	tox120, rbl04199-lblk-1	Analyte		5.302	21	0.00	bb		
62	052599062	tox120, rbl04199-5ppb-1	Standard	5.56	5.283	29	0.00	MMX	-100	
63	052599063	tox120, rbl04199-10ppb-1	Standard	11.10	5.279	40	1.77	MMX	-84	
64	052599064	tox120, rbl04199-25ppb-1	Standard	27.80	5.277	57	14.92	bbX	-46	
65	052599065	tox120, rbl04199-50ppb-1	Standard	55.60	5.262	87	37.99	bbX	-32	
66	052599066	tox120, rbl04199-100ppb-1	Standard	111.00	5.254	165	97.67	MMX	-12	
67	052599067	tox120, rbl04199-250ppb-1	Standard	278.00	5.282	325	219.58	bbX	-21	
68	052599068	tox120, rbl04199-500ppb-1	Standard	556.00	5.279	590	421.63	bbX	-24	
69	052599069	tox120, rbl04199-750ppb-1	Standard	833.00	5.256	800	582.34	bbX	-30	
70	052599070	tox120, rbl04199-1000ppb-1	Standard	1111.00	5.277	983	721.54	bbX	-35	

RE UAC 5/26/99

Entered UAC 05/26/99

Entered UAC 05/26/99

Amelia 062498: quantiated and printed by hoj 5/26/99

BACK TO MAIN

hoj 5/26/99

Quantify Compound Summary Report
tox120, rtl

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\052599a
Last modified: Wed May 26 07:17:29 1999
Method: C:\MASSLYNX\rats2.PRO\MethDB\052599a
Last modified: Wed May 26 07:18:17 1999
Job Code:

Printed: Wed May 26 08:20:32 1999

Compound 5: IS

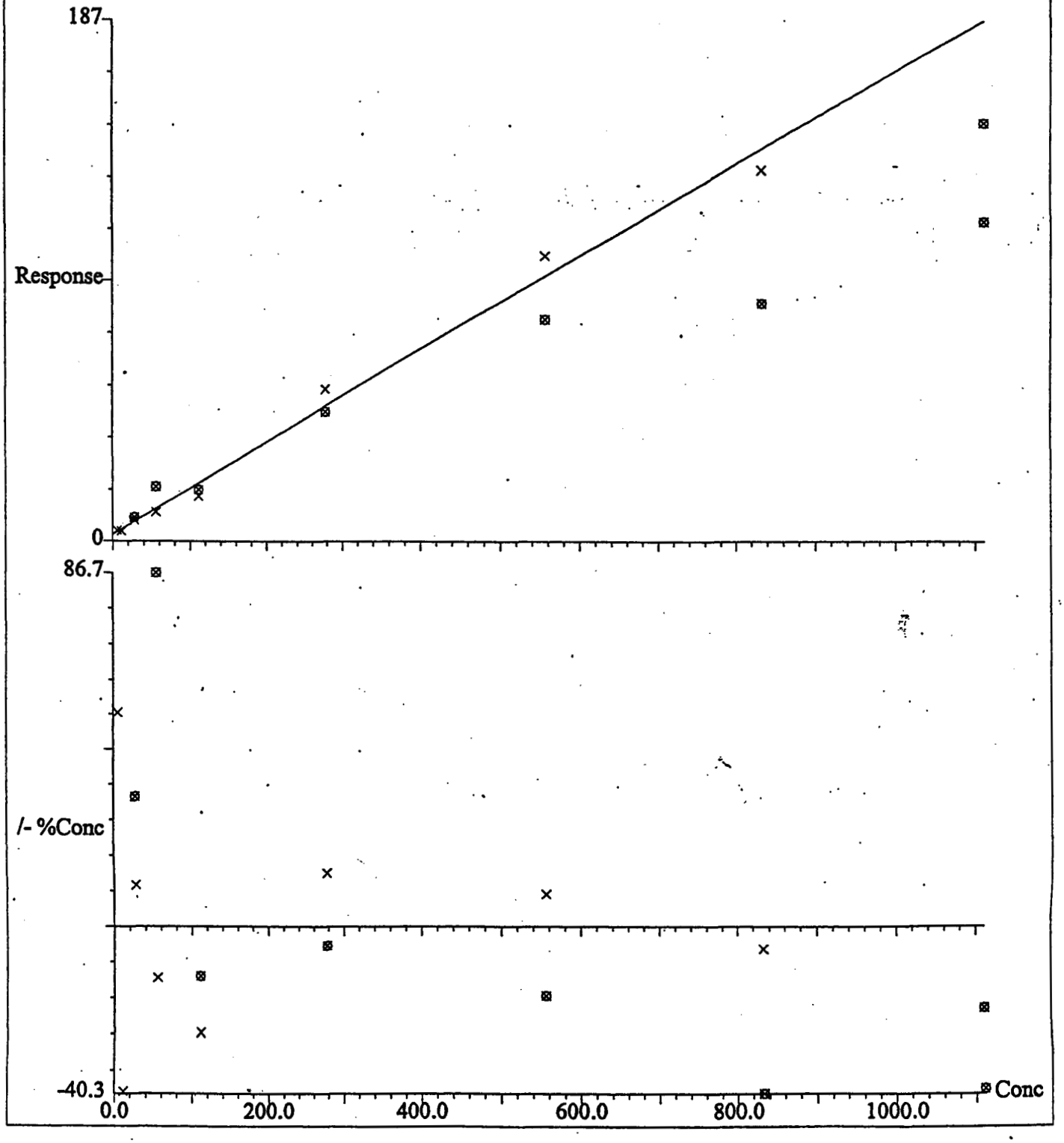
#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	052599001	methanol blank	Analyte						
2	052599002	methanol blank	Analyte						
3	052599003	tox120, rbl04199-wblk-1	Analyte		5.042	826	0.66	bb	-34
4	052599004	tox120, rbl04199-lblk-1	Analyte		5.022	1437	1.16	bb	16
5	052599005	tox120, rbl04199-5ppb-1	Standard	1.00	4.999	1653	1.33	bb	33
6	052599006	tox120, rbl04199-10ppb-1	Standard	1.00	5.004	1452	1.17	bb	17
7	052599007	tox120, rbl04199-25ppb-1	Standard	1.00	5.022	1463	1.18	bb	18
8	052599008	tox120, rbl04199-50ppb-1	Standard	1.00	4.993	1461	1.18	bb	18
9	052599009	tox120, rbl04199-100ppb-1	Standard	1.00	4.992	1233	0.99	bb	-1
10	052599010	tox120, rbl04199-250ppb-1	Standard	1.00	4.993	1312	1.06	bb	6
11	052599011	tox120, rbl04199-500ppb-1	Standard	1.00	4.981	1146	0.92	bb	-8
12	052599012	tox120, rbl04199-750ppb-1	Standard	1.00	4.999	1022	0.82	bb	-18
13	052599013	tox120, rbl04199-1000ppb-1 (RE)	Standard	1.00	4.993	1071	0.86	bb	-14
14	052599014	methanol blank	Analyte						
15	052599015	tox120, rtl, 3M-g1-250 ppb-ms, 4/19/99	Analyte		4.991	1104	0.89	bb	-11
16	052599016	tox120, rtl, 3M-g1-250 ppb-msd, 4/19/99 LAC 5/26/99	Analyte		5.003	1260	1.01	bb	1
17	052599017	tox120, rtl, 110F-g1-250 ppb-msd, 2/22/99	Analyte		4.992	197	0.16	bb	-84
18	052599018	tox120, rtl, 110F-g1-250 ppb-msd, 2/22/99	Analyte		4.999	200	0.16	bb	-84
19	052599019	tox120, rtl, 106F-g1-250 ppb-ms, 2/22/99	Analyte		5.018	219	0.18	bb	-82
20	052599020	tox120, rtl, 106F-g1-250 ppb-msd, 2/22/99	Analyte		4.999	235	0.19	bb	-81
21	052599021	tox120, rbl04199-250ppb-cc-4	QC	1.00	4.998	1566	1.26	bb	26
22	052599022	methanol blank	Analyte						
23	052599023	tox120, rtl, 81M-g6, 4/19/99, d1000	Analyte						
24	052599024	tox120, rtl, 82M-g6, 4/19/99, d1000	Analyte						
25	052599025	tox120, rtl, 83M-g6, 4/19/99, d1000	Analyte						
26	052599026	tox120, rtl, 84M-g6, 4/19/99, d1000	Analyte						
27	052599027	tox120, rtl, 85M-g6, 4/19/99, d1000	Analyte						
28	052599028	tox120, rbl04199-250ppb-cc-1	QC	1.00	5.022	1182	0.95	bb	-5
29	052599029	methanol blank	Analyte						
30	052599030	tox120, rtl, 86M-g6, 4/19/99, d1000	Analyte						
31	052599031	tox120, rtl, 87M-g6, 4/19/99, d1000	Analyte						
32	052599032	tox120, rtl, 88M-g6, 4/19/99, d1000	Analyte						
33	052599033	tox120, rtl, 89M-g6, 4/19/99, d1000	Analyte						
34	052599034	tox120, rtl, 90M-g6, 4/19/99, d1000	Analyte						
35	052599035	tox120, rbl04199-250ppb-cc-6	QC	1.00	5.012	1232	0.99	bb	-1
36	052599036	methanol blank	Analyte						
37	052599037	tox120, rtl, 91M-g6, 4/19/99, d1000	Analyte						
38	052599038	tox120, rtl, 93M-g6, 4/19/99, d1000	Analyte						
39	052599039	tox120, rtl, 94M-g6, 4/19/99, d1000	Analyte						
40	052599040	tox120, rtl, 95M-g6, 4/19/99, d1000	Analyte						
41	052599041	tox120, rbl04199-250ppb-cc-3	QC	1.00	5.025	1129	0.91	bb	-9
42	052599042	methanol blank	Analyte						
43	052599043	tox120, rtl, 17M-g2, 4/19/99, d25	Analyte		5.010	43	0.03	bb	-97
44	052599044	tox120, rtl, 18M-g2, 4/19/99, d25	Analyte		5.029	47	0.04	bb	-96
45	052599045	tox120, rtl, 19M-g2, 4/19/99, d25	Analyte		5.041	44	0.04	bb	-96
46	052599046	tox120, rtl, 20M-g2, 4/19/99, d25	Analyte		5.018	43	0.03	bb	-97
47	052599047	tox120, rtl, 21M-g2, 4/19/99, d25	Analyte		5.019	29	0.02	bb	-98
48	052599048	tox120, rtl, 22M-g2, 4/19/99, d25	Analyte		5.046	52	0.04	bb	-96
49	052599049	tox120, rbl04199-250ppb-cc-11	QC	1.00	5.020	952	0.77	bb	-23
50	052599050	methanol blank	Analyte						
51	052599051	tox120, rtl, 17M-g2, 4/19/99	Analyte		5.020	488	0.39	bb	-61
52	052599052	tox120, rtl, 18M-g2, 4/19/99	Analyte		5.024	529	0.43	bb	-57
53	052599053	tox120, rtl, 19M-g2, 4/19/99	Analyte		5.018	446	0.36	bb	-64
54	052599054	tox120, rtl, 20M-g2, 4/19/99	Analyte		4.998	570	0.46	bb	-54
55	052599055	tox120, rtl, 21M-g2, 4/19/99	Analyte		5.013	446	0.36	bb	-64
56	052599056	tox120, rtl, 22M-g2, 4/19/99	Analyte		4.994	512	0.41	bb	-59
57	052599057	tox120, rbl04199-250ppb-cc-2	QC	1.00	5.012	1067	0.86	bb	-14
58	052599058	methanol blank	Analyte						
59	052599059	tox120, rtl, 41M-g3, 4/19/99	Analyte		4.995	518	0.42	bb	-58
60	052599060	tox120, rbl04199-wblk-1	Analyte		5.001	800	0.64	bb	-36
61	052599061	tox120, rbl04199-lblk-1	Analyte		5.017	1085	0.87	bb	-13
62	052599062	tox120, rbl04199-5ppb-1	Standard	1.00	5.022	1431	1.15	bb	15
63	052599063	tox120, rbl04199-10ppb-1	Standard	1.00	5.016	1233	0.99	bb	-1
64	052599064	tox120, rbl04199-25ppb-1	Standard	1.00	4.989	1209	0.97	bb	-3
65	052599065	tox120, rbl04199-50ppb-1	Standard	1.00	5.000	1262	1.02	bb	2
66	052599066	tox120, rbl04199-100ppb-1	Standard	1.00	4.992	1219	0.98	bb	-2
67	052599067	tox120, rbl04199-250ppb-1	Standard	1.00	4.997	1055	0.85	bb	-15
68	052599068	tox120, rbl04199-500ppb-1	Standard	1.00	4.991	1099	0.88	bb	-12
69	052599069	tox120, rbl04199-750ppb-1	Standard	1.00	4.992	983	0.79	bb	-21
70	052599070	tox120, rbl04199-1000ppb-1	Standard	1.00	4.991	1054	0.85	bb	-15

Amelia 062498: quantiated and printed by hoj 5/26/99

BACK TO MAIN

Calibration: C:\MASSLYNX\rats2.PRO\CurveDB\052599a
Last modified: Wed May 26 07:56:39 1999
Printed: Wed May 26 08:21:05 1999

Compound 1 name: POAA
Coefficient of Determination: 0.990311
Calibration curve: 0.166362 * x + 2.42271
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

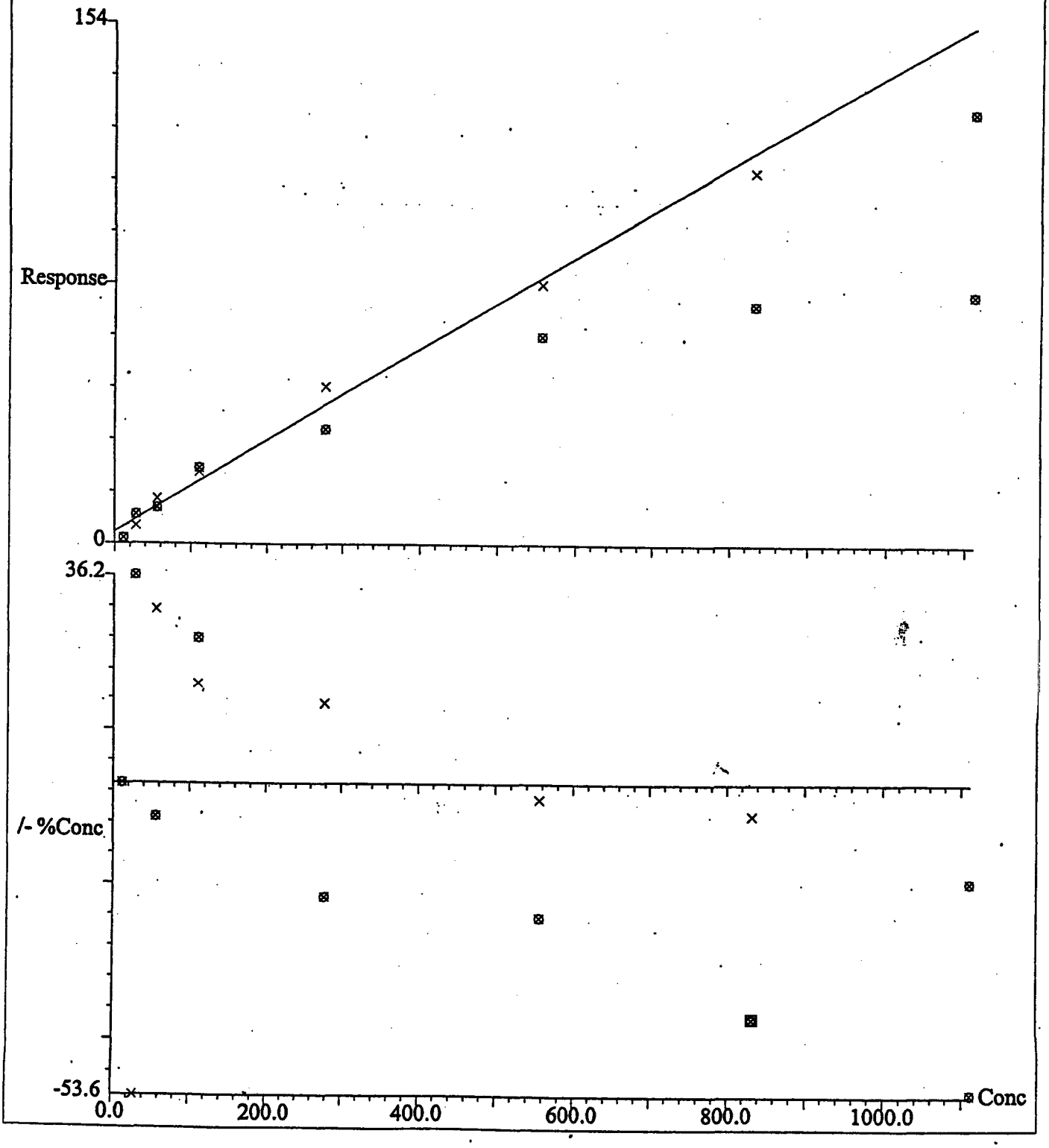


Amelia 062498: quantiated and printed by hoj 5/26/99

Quantify Calibration Report
tox120, rtl

Calibration: C:\MASSLYNX\rats2.PRO\CurveDB\052599a
Last modified: Wed May 26 07:56:39 1999
Printed: Wed May 26 08:21:05 1999

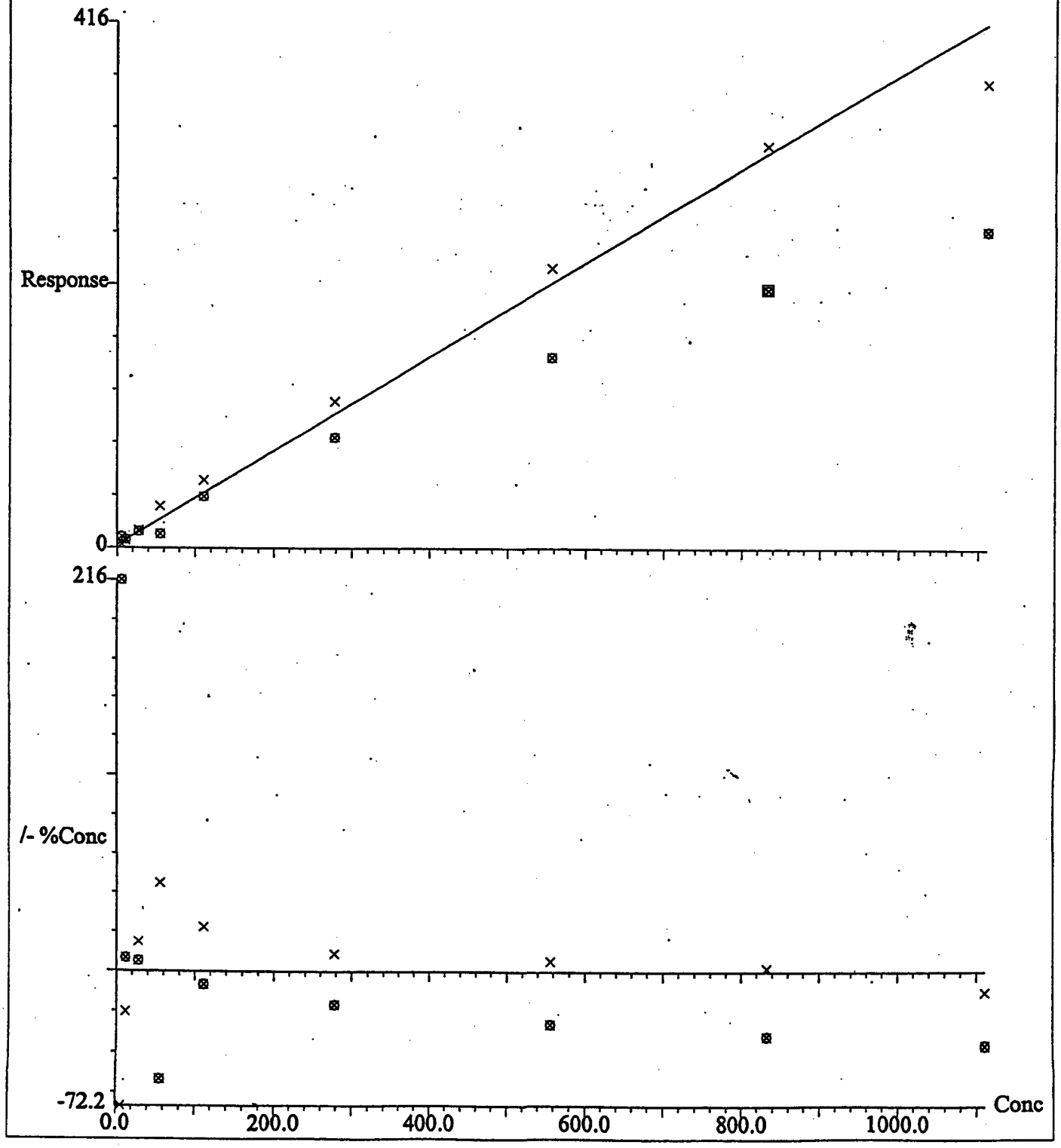
Compound 2 name: M513
Coefficient of Determination: 0.989930
Calibration curve: 0.135754 * x + 3.47400
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Amelia 062498: quantiated and printed by hoj 5/26/99

Calibration: C:\MASSLYNX\rats2.PRO\CurveDB\052599a
Last modified: Wed May 26 07:56:39 1999
Printed: Wed May 26 08:21:05 1999

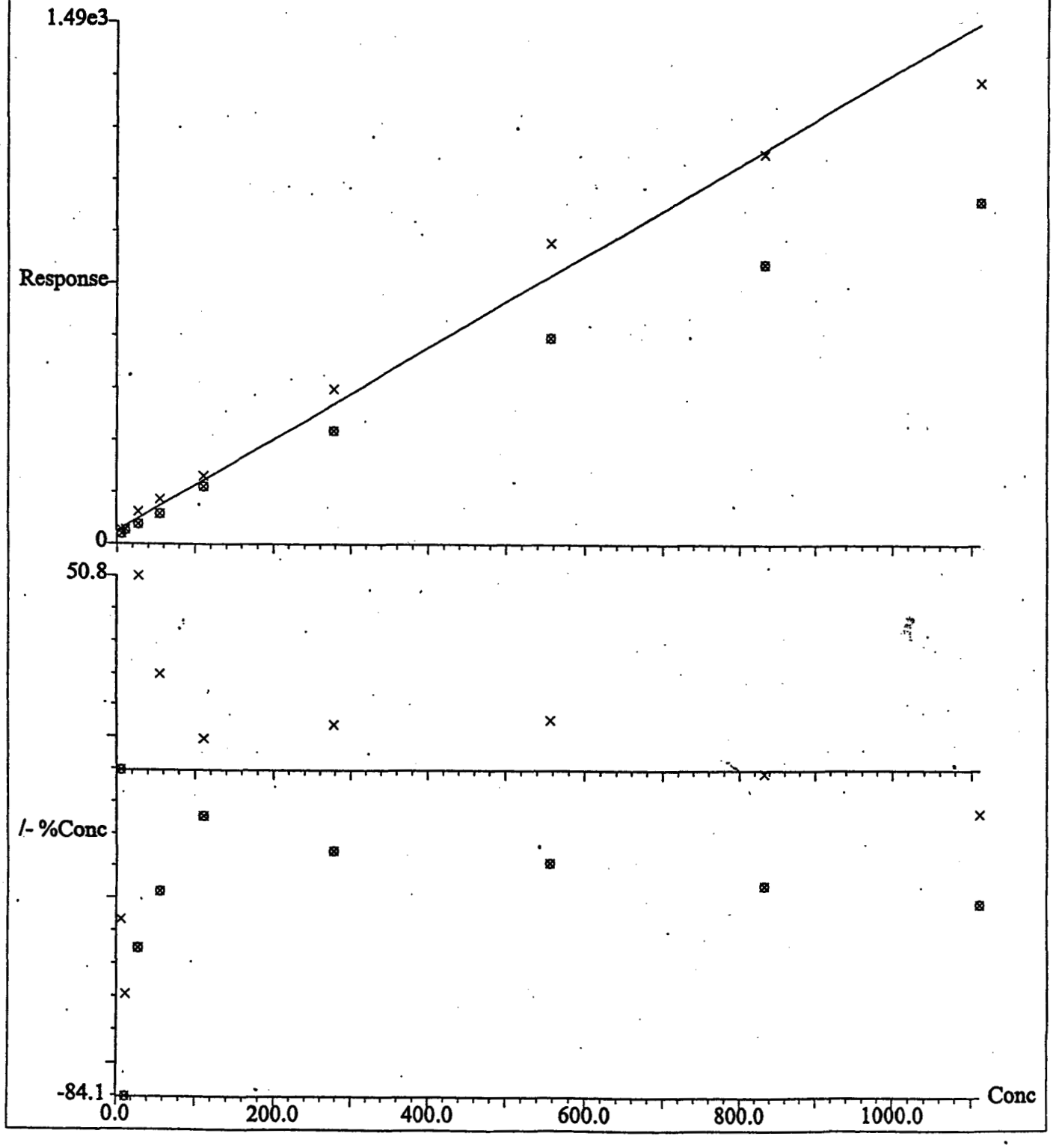
Compound 3 name: M613
Coefficient of Determination: 0.983551
Calibration curve: 0.372617 * x + 2.17690
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Amelia 062498: quantiated and printed by hoj 5/26/99

Calibration: C:\MASSLYNX\rats2.PRO\CurveDB\052599a
Last modified: Wed May 26 07:56:39 1999
Printed: Wed May 26 08:21:05 1999

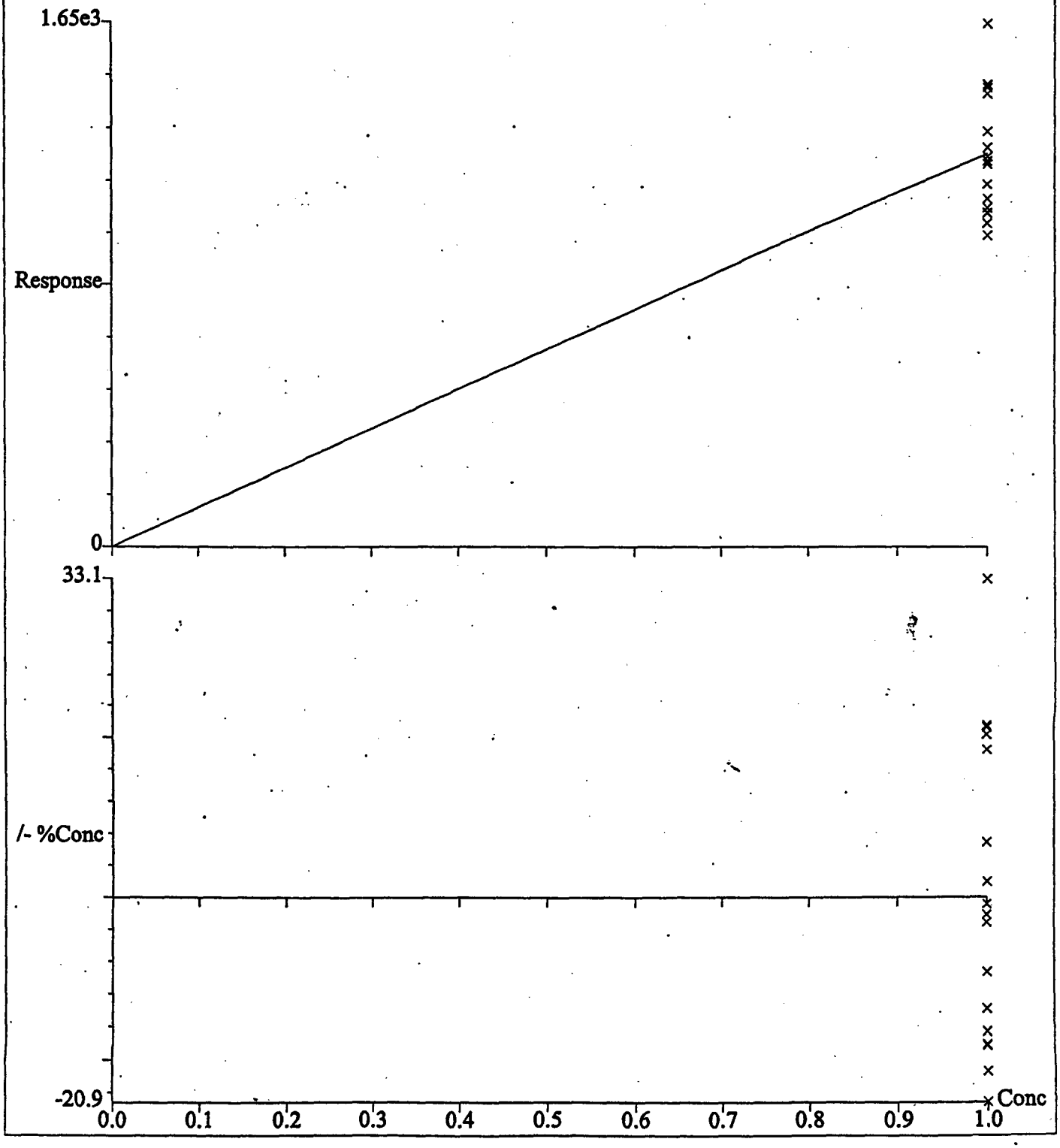
Compound 4 name: PFOS
Coefficient of Determination: 0.980427
Calibration curve: 1.31039 * x + 37.1979
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Amalia 062498: quantiated and printed by hoj 5/26/99

Calibration: C:\MASSLYNX\rats2.PRO\CurveDB\052599a
Last modified: Wed May 26 07:56:39 1999
Printed: Wed May 26 08:21:05 1999

Compound 5 name: IS
Response Factor: 1242.19
Response type: External Std, Area
Curve type: RF



Amelia 062498: quantiated and printed by hoj 5/26/99

BACK TO MAIN

Method Report

Method file: C:\MASSLYNX\rats2.PRO\MethDB\052599a.mdb
Last modified: Wed May 26 07:18:17 1999

Compound: 1: POAA

Printed: Wed May 26 08:21:19 1999

Amelia 062498 LAC 05/26/99

Compound Name: POAA
Internal Ref.: [None]
Quantify Trace: TIC
Conc, of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 5.010, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.304

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 60

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Response Threshold

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\rats2.PRO\MethDB\052599a.mdb
Last modified: Wed May 26 07:18:17 1999

Compound: 2: M513

Printed: Wed May 26 08:21:19 1999

Amelia 062498 UAC 05/26/99

Compound Name: M513
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 5.551, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.233

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 64

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Response Threshold

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\rats2.PRO\MethDB\052599a.mdb
Last modified: Wed May 26 07:18:17 1999

Compound: 3: M613

Printed: Wed May 26 08:21:19 1999

Amelia 062498 UAC 05/26/99

Compound Name: M613
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 5.861, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.219

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 79

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Response Threshold

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\rats2.PRO\MethDB\052599a.mdb
Last modified: Wed May 26 07:18:17 1999

Compound: 4: PFOS

Printed: Wed May 26 08:21:19 1999

Amelia 062498 LAC 05/26/99

Compound Name: PFOS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Conc. A

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 5.281, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.293

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 72

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Response Threshold

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

BACK TO MAIN

Method file: C:\MASSLYNX\rats2.PRO\MethDB\052599a.mdb
Last modified: Wed May 26 07:18:17 1999

Compound: 5: IS

Printed: Wed May 26 08:21:19 1999

Amelia 062498 LAC 05/26/99

Compound Name: IS
Internal Ref.: [None]
Quantify Trace: TIC
Conc. of Standards: Fixed

User RF Value: 1.000000, Disabled
User Peak Factor: 1.000000
Integrate Window Factor: 2.000

Peak Location

Retention Time (mins): 5.029, Enabled
Relative Retention Time: 0.000, Disabled
Time Window (mins): 0.304

Peak Selection: Nearest

Response

Response Type: External
Response: Areas

Calibration Curves

Polynomial Type: Linear
Point of Origin: Exclude
Fit Weighting: 1/X
Axis Transformation: None

Concentration

Units:

Noise

Peak-to-peak amplitude: 83

Smooth

Smoothing: Disabled
Window size (scans): 3
Number of smooths: 2
Smoothing method:

Baselines

Join valley threshold: 30.00
Reduce peak tailing: 70.00
Raise baseline maximum: 4.00

Peak Separation

Draw vertical threshold: 10.00
Detect shoulders: Disabled
Shoulder threshold: 10.00

Response Threshold

Relative height: 50.00, Enabled
Absolute height: 0.00, Disabled
Relative area: 3.00, Enabled
Absolute area: 0.00, Disabled

6/1/99

Masslynx - Sample List

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\060199c.SPL
Printed: Tue Jun 01 16:19:18 1999

	File Name	File Text	MS File	Inlet File
1	060199020	methanol blank	9MIN-POAA-513-613	9min-2
2	060199021	methanol blank	9MIN-POAA-513-613	9min-2
3	060199022	tox120, rbl04199-wblk-2	9MIN-POAA-513-613	9min-2
4	060199023	tox120, rbl04199-lblk-2	9MIN-POAA-513-613	9min-2
5	060199024	tox120, rbl04199-5 ppb-2	9MIN-POAA-513-613	9min-2
6	060199025	tox120, rbl04199-10 ppb-2	9MIN-POAA-513-613	9min-2
7	060199026	tox120, rbl04199-25 ppb-2	9MIN-POAA-513-613	9min-2
8	060199027	tox120, rbl04199-50 ppb-2	9MIN-POAA-513-613	9min-2
9	060199028	tox120, rbl04199-100 ppb-2	9MIN-POAA-513-613	9min-2
10	060199029	tox120, rbl04199-250 ppb-2	9MIN-POAA-513-613	9min-2
11	060199030	tox120, rbl04199-500 ppb-2	9MIN-POAA-513-613	9min-2
12	060199031	tox120, rbl04199-750 ppb-2	9MIN-POAA-513-613	9min-2
13	060199032	tox120, rbl04199-1000 ppb-2	9MIN-POAA-513-613	9min-2
14	060199033	methanol blank	9MIN-POAA-513-613	9min-2
15	060199034	tox120, 1M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
16	060199035	tox120, 2M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
17	060199036	tox120, 3M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
18	060199037	tox120, 4M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
19	060199038	tox120, 5M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
20	060199039	tox120, rbl04199-250 ppb-cc-1	9MIN-POAA-513-613	9min-2
21	060199040	methanol blank	9MIN-POAA-513-613	9min-2
22	060199041	tox120, 6M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
23	060199042	tox120, 7M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
24	060199043	tox120, 8M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
25	060199044	tox120, 9M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
26	060199045	tox120, 10M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
27	060199046	tox120, rbl04199-250 ppb-cc-2, 5/28/99	9MIN-POAA-513-613	9min-2
28	060199047	methanol blank	9MIN-POAA-513-613	9min-2
29	060199048	tox120, 11M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
30	060199049	tox120, 13M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
31	060199050	tox120, 14M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
32	060199051	tox120, 15M-g1, 4/19/99	9MIN-POAA-513-613	9min-2
33	060199052	tox120, rbl04199-250 ppb-cc-3	9MIN-POAA-513-613	9min-2
34	060199053	methanol blank	9MIN-POAA-513-613	9min-2
35	060199054	tox120, 6M-g1, ms, 4/19/99	9MIN-POAA-513-613	9min-2
36	060199055	tox120, 6M-g1, msd, 4/19/99	9MIN-POAA-513-613	9min-2
37	060199056	tox120, 13M-g1, ms, 4/19/99	9MIN-POAA-513-613	9min-2
38	060199057	tox120, 13M-g1, msd, 4/19/99	9MIN-POAA-513-613	9min-2
39	060199058	tox120, rbl04199-250 ppb-cc-4	9MIN-POAA-513-613	9min-2
40	060199059	methanol blank	9MIN-POAA-513-613	9min-2
41	060199060	tox120, 3M-g1, ms, 4/19/99	9MIN-POAA-513-613	9min-2
42	060199061	tox120, 3M-g1, msd, 4/19/99	9MIN-POAA-513-613	9min-2
43	060199062	tox120, 41M-g3, 4/19/99, d10	9MIN-POAA-513-613	9min-2
44	060199063	tox120, 23M-g2, 4/19/99	9MIN-POAA-513-613	9min-2
45	060199064	tox120, 24M-g2, 4/19/99	9MIN-POAA-513-613	9min-2
46	060199065	tox120, rbl04199-250 ppb-cc-5	9MIN-POAA-513-613	9min-2
47	060199066	methanol blank	9MIN-POAA-513-613	9min-2
48	060199067	tox120, 25M-g2, 4/19/99	9MIN-POAA-513-613	9min-2
49	060199068	tox120, 26M-g2, 4/19/99	9MIN-POAA-513-613	9min-2
50	060199069	tox120, 27M-g2, 4/19/99	9MIN-POAA-513-613	9min-2
51	060199070	tox120, 29M-g2, 4/19/99	9MIN-POAA-513-613	9min-2
52	060199071	tox120, 30M-g2, 4/19/99	9MIN-POAA-513-613	9min-2
53	060199072	tox120, rbl04199-250 ppb-cc-6	9MIN-POAA-513-613	9min-2
54	060199073	methanol blank	9MIN-POAA-513-613	9min-2
55	060199074	tox120, 31M-g2, 4/19/99	9MIN-POAA-513-613	9min-2
56	060199075	tox120, 33M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
57	060199076	tox120, 34M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
58	060199077	tox120, 35M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
59	060199078	tox120, 36M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
60	060199079	tox120, rbl04199-250 ppb-cc-1	9MIN-POAA-513-613	9min-2

BACK TO MAIN

DBS 6.1.99

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\060199c.SPL
Printed: Tue Jun 01 16:19:18 1999

	File Name	File Text	MS File	Inlet File
61	060199080	methanol blank	9MIN-POAA-513-613	9min-2
62	060199081	tox120, 37M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
63	060199082	tox120, 38M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
64	060199083	tox120, 39M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
65	060199084	tox120, 40M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
66	060199085	tox120, 41M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
67	060199086	tox120, rbl04199-250 ppb-cc-2	9MIN-POAA-513-613	9min-2
68	060199087	methanol blank	9MIN-POAA-513-613	9min-2
69	060199088	tox120, 42M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
70	060199089	tox120, 43M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
71	060199090	tox120, 45M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
72	060199091	tox120, 46M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
73	060199092	tox120, 47M-g3, 4/19/99	9MIN-POAA-513-613	9min-2
74	060199093	tox120, rbl04199-250 ppb-cc-3	9MIN-POAA-513-613	9min-2
75	060199094	methanol blank	9MIN-POAA-513-613	9min-2
76	060199095	tox120, rbl04199-wblk-2	9MIN-POAA-513-613	9min-2
77	060199096	tox120, rbl04199-lblk-2	9MIN-POAA-513-613	9min-2
78	060199097	tox120, rbl04199-5 ppb-2	9MIN-POAA-513-613	9min-2
79	060199098	tox120, rbl04199-10 ppb-2	9MIN-POAA-513-613	9min-2
80	060199099	tox120, rbl04199-25 ppb-2	9MIN-POAA-513-613	9min-2
81	060199100	tox120, rbl04199-50 ppb-2	9MIN-POAA-513-613	9min-2
82	060199101	tox120, rbl04199-100 ppb-2	9MIN-POAA-513-613	9min-2
83	060199102	tox120, rbl04199-250 ppb-2	9MIN-POAA-513-613	9min-2
84	060199103	tox120, rbl04199-500 ppb-2	9MIN-POAA-513-613	9min-2
85	060199104	tox120, rbl04199-750 ppb-2	9MIN-POAA-513-613	9min-2
86	060199105	tox120, rbl04199-1000 ppb-2	9MIN-POAA-513-613	9min-2

BACK TO MAIN

6021 6/1/99

Method: C:\MASSLYNX\RATS2.PRO\ACQUDB\9MIN-POAA-513-613
Last Modified: Tue Jun 01 14:54:06 1999

Printed: Tue Jun 01 16:19:26 1999

Solvent Delay (mins) : 0.00

Function : 1 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	413.00	169.00	0.30	20	15

Function : 2 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	513.00	169.00	0.30	20	15

Function : 3 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	613.00	169.00	0.30	20	15

Function : 4 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	427.00	80.00	0.30	40	60

BACK TO MAIN

PFOS 6/1/99a

Tuning Method Report

Method: C:\MASSLYNX\RATS2.PRO\ACQUDB\PFOS

Printed: Tue Jun 01 16:20:59 1999

MS

SOURCE (ESP-)	Set	Rdbk
Capillary	3.00	2.97
Cone	15	-14
Extractor	5	0
RF Lens	0.2	
Source Block Temp.	150	152
Desolvation Temp.	250	253

MS1	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 6	5	6
Multiplier	650	

Pressures	Rdbk
Analyser Vacuum	1.6e-4
Gas Cell	5.1e-3

MS2	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Collision	20	21
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 8	40	38
Lens 9	0	20
Multiplier	650	

FACT: DATA REVIEW SUMMARY FORM

Date: 6/2/95

Analyst: KJ

FACT Study Number 10X120

Matrix PTL

Time Points —

Dilutions? N

Analyte 1: PCAA

Acceptable Linear Range: 11.1 - 1111 ng/g

LOQ for this data set: 11.1 ng/g

Re-evaluated for different range? N

Analyte 2: M513

Acceptable Linear Range: 55.6 - 1111 ng/g

LOQ for this data set: 55.6 ng/g

Re-evaluated for different range? N

Analyte 3: M617

Acceptable Linear Range: 55.6 - 833 ng/g

LOQ for this data set: 55.6 ng/g

Re-evaluated for different range? N

Analyte 4:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

KJ 6/2/95

Analyte 5:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 6:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 7:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

BACK TO MAIN

obs 6/2/99 AMCO

Quantify Compound Summary Report
tox120, gl-3, rtl

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\060199c
Last modified: Tue Jun 01 16:18:01 1999
Method: C:\MASSLYNX\rats2.PRO\MethDB\060199c
Last modified: Wed Jun 02 06:48:03 1999
Job Code:

Printed: Wed Jun 02 07:20:47 1999

Compound 1: FOAA

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	060199020	methanol blank	Analyte		5.082	4	0.00	bb	
2	060199021	methanol blank	Analyte						
3	060199022	tox120, rb104199-wblk-2	Analyte		5.445	3	0.00	bb	
4	060199023	tox120, rb104199-1blk-2	Analyte		4.974	12	24.56	bb	
5	060199024	tox120, rb104199-5 ppb-2	Standard	5.56	5.052	19	43.28	MMX	678
6	060199025	tox120, rb104199-10 ppb-2	Standard	11.10	4.925	9	12.72	MM	15
7	060199026	tox120, rb104199-25 ppb-2	Standard	27.80	5.046	34	88.26	MMX	217
8	060199027	tox120, rb104199-50 ppb-2	Standard	55.60	5.038	27	69.51	bb	25
9	060199028	tox120, rb104199-100 ppb-2	Standard	111.00	5.027	65	183.86	bb	66
10	060199029	tox120, rb104199-250 ppb-2	Standard	278.00	5.033	114	329.66	bb	19
11	060199030	tox120, rb104199-500 ppb-2	Standard	556.00	5.020	203	599.36	bb	8
12	060199031	tox120, rb104199-750 ppb-2	Standard	833.00	5.033	280	831.57	bb	0
13	060199032	tox120, rb104199-1000 ppb-2	Standard	1111.00	5.031	351	1046.72	bb	-6
14	060199033	methanol blank	Analyte		4.978	3	0.00	bb	
15	060199034	tox120, 1M-g1, 4/19/99	Analyte		5.051	5	2.11	bb	
16	060199035	tox120, 2M-g1, 4/19/99	Analyte						
17	060199036	tox120, 3M-g1, 4/19/99	Analyte		4.919	3	0.00	bb	
18	060199037	tox120, 4M-g1, 4/19/99	Analyte		5.034	9	14.05	MM	
19	060199038	tox120, 5M-g1, 4/19/99	Analyte						
20	060199039	tox120, rb104199-250 ppb-cc-1	QC	278.00	5.030	105	303.16	bb	9
21	060199040	methanol blank	Analyte						
22	060199041	tox120, 6M-g1, 4/19/99	Analyte		5.205	4	0.00	bb	
23	060199042	tox120, 7M-g1, 4/19/99	Analyte		4.730	6	6.49	bb	
24	060199043	tox120, 8M-g1, 4/19/99	Analyte		5.008	9	15.27	MM	
25	060199044	tox120, 9M-g1, 4/19/99	Analyte		5.054	6	6.15	MM	
26	060199045	tox120, 10M-g1, 4/19/99	Analyte		4.989	5	2.55	MM	
27	060199046	tox120, rb104199-250 ppb-cc-2, 5/28/99	QC	278.00	5.026	110	317.78	bb	14
28	060199047	methanol blank	Analyte		4.645	2	0.00	bb	
29	060199048	tox120, 11M-g1, 4/19/99	Analyte		5.435	9	12.89	bb	
30	060199049	tox120, 13M-g1, 4/19/99	Analyte		5.288	7	8.74	bb	
31	060199050	tox120, 14M-g1, 4/19/99	Analyte						
32	060199051	tox120, 15M-g1, 4/19/99	Analyte		4.586	2	0.00	bb	
33	060199052	tox120, rb104199-250 ppb-cc-3	QC	278.00	5.033	102	294.80	bb	6
34	060199053	methanol blank	Analyte						
35	060199054	tox120, 6M-g1, ms, 4/19/99	Analyte		5.048	84	239.96	bb	
36	060199055	tox120, 6M-g1, msd, 4/19/99	Analyte		5.038	84	240.30	bb	
37	060199056	tox120, 13M-g1, ms, 4/19/99	Analyte		5.050	111	320.54	bb	
38	060199057	tox120, 13M-g1, msd, 4/19/99	Analyte		5.036	103	299.28	MM	
39	060199058	tox120, rb104199-250 ppb-cc-4	QC	278.00	5.052	112	324.29	bb	17
40	060199059	methanol blank	Analyte		5.287	3	0.00	bb	
41	060199060	tox120, 3M-g1, ms, 4/19/99	Analyte		5.044	98	281.95	MM	
42	060199061	tox120, 3M-g1, msd, 4/19/99	Analyte		5.031	98	281.92	bb	
43	060199062	tox120, 41M-g3, 4/19/99, d10	Analyte		5.049	163	477.77	bb	
44	060199063	tox120, 23M-g2, 4/19/99	Analyte		5.029	1396	4201.20	MM	
45	060199064	tox120, 24M-g2, 4/19/99	Analyte		5.031	1984	5974.35	bb	
46	060199065	tox120, rb104199-250 ppb-cc-5	QC	278.00	5.039	103	298.39	MM	7
47	060199066	methanol blank	Analyte						
48	060199067	tox120, 25M-g2, 4/19/99	Analyte		5.044	995	2989.84	MM	
49	060199068	tox120, 26M-g2, 4/19/99	Analyte		5.029	1026	3084.63	bb	
50	060199069	tox120, 27M-g2, 4/19/99	Analyte		5.046	1442	4338.59	MM	
51	060199070	tox120, 29M-g2, 4/19/99	Analyte		5.001	358	1068.17	bb	
52	060199071	tox120, 30M-g2, 4/19/99	Analyte		5.019	424	1266.11	bb	
53	060199072	tox120, rb104199-250 ppb-cc-6	QC	278.00	5.021	97	281.06	bb	1
54	060199073	methanol blank	Analyte		5.040	5	0.73	bb	
55	060199074	tox120, 31M-g2, 4/19/99	Analyte		5.047	512	1532.20	bb	
56	060199075	tox120, 33M-g3, 4/19/99	Analyte		5.032	1365	4105.96	bb	
57	060199076	tox120, 34M-g3, 4/19/99	Analyte		5.046	1788	5384.18	bb	
58	060199077	tox120, 35M-g3, 4/19/99	Analyte		5.017	1658	4989.13	bb	
59	060199078	tox120, 36M-g3, 4/19/99	Analyte		5.025	1508	4537.13	bb	
60	060199079	tox120, rb104199-250 ppb-cc-1	QC	278.00	5.046	109	314.53	bb	13
61	060199080	methanol blank	Analyte		5.068	9	13.57	bb	
62	060199081	tox120, 37M-g3, 4/19/99	Analyte		5.053	1827	5500.87	bb	
63	060199082	tox120, 38M-g3, 4/19/99	Analyte		5.049	1927	5802.57	bb	
64	060199083	tox120, 39M-g3, 4/19/99	Analyte		5.047	1514	4556.28	bb	
65	060199084	tox120, 40M-g3, 4/19/99	Analyte		5.046	1952	5878.27	bb	
66	060199085	tox120, 41M-g3, 4/19/99	Analyte		5.033	1018	3058.38	bb	
67	060199086	tox120, rb104199-250 ppb-cc-2	QC	278.00	5.042	109	314.64	bb	13
68	060199087	methanol blank	Analyte		5.039	11	18.85	bb	
69	060199088	tox120, 42M-g3, 4/19/99	Analyte		5.049	395	1180.46	bb	
70	060199089	tox120, 43M-g3, 4/19/99	Analyte		5.033	907	2723.34	bb	
71	060199090	tox120, 45M-g3, 4/19/99	Analyte		5.046	325	967.37	bb	
72	060199091	tox120, 46M-g3, 4/19/99	Analyte		5.031	259	768.44	bb	
73	060199092	tox120, 47M-g3, 4/19/99	Analyte		5.040	423	1263.23	bb	
74	060199093	tox120, rb104199-250 ppb-cc-3	QC	278.00	5.043	112	325.47	bb	17
75	060199094	methanol blank	Analyte						
76	060199095	tox120, rb104199-wblk-2	Analyte		5.077	10	18.52	bb	
77	060199096	tox120, rb104199-1blk-2	Analyte		5.040	15	33.16	bb	
78	060199097	tox120, rb104199-5 ppb-2	Standard	5.56	5.067	20	47.92	bbX	762
79	060199098	tox120, rb104199-10 ppb-2	Standard	11.10	5.063	2	0.00	bb	-100
80	060199099	tox120, rb104199-25 ppb-2	Standard	27.80	5.042	33	88.03	bbX	217
81	060199100	tox120, rb104199-50 ppb-2	Standard	55.60	5.028	27	67.89	MM	22
82	060199101	tox120, rb104199-100 ppb-2	Standard	111.00	5.025	48	132.00	MM	19
83	060199102	tox120, rb104199-250 ppb-2	Standard	278.00	5.045	98	281.90	MM	1
84	060199103	tox120, rb104199-500 ppb-2	Standard	556.00	5.022	196	578.50	bb	4
85	060199104	tox120, rb104199-750 ppb-2	Standard	833.00	5.025	256	758.81	bb	-9
86	060199105	tox120, rb104199-1000 ppb-2	Standard	1111.00	5.027	344	1025.06	MM	-8

Amelia 062498: quantiated and printed by hoj 6/02/99

BACK TO MAIN

Quantify Compound Summary Report
tox120, g1-3, rtl

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\060199c
Last modified: Tue Jun 01 16:18:01 1999
Method: C:\MASSLYNX\rats2.PRO\MethDB\060199c
Last modified: Wed Jun 02 06:48:03 1999
Job Code:

Printed: Wed Jun 02 07:20:47 1999

Compound 2: M513

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	060199020	methanol blank	Analyte		5.310	6	33.66	bb	
2	060199021	methanol blank	Analyte						
3	060199022	tox120, rbl04199-wblk-2	Analyte						
4	060199023	tox120, rbl04199-lblk-2	Analyte						
5	060199024	tox120, rbl04199-5 ppb-2	Standard	5.56					
6	060199025	tox120, rbl04199-10 ppb-2	Standard	11.10					
7	060199026	tox120, rbl04199-25 ppb-2	Standard	27.80					
8	060199027	tox120, rbl04199-50 ppb-2	Standard	55.60	5.484	6	38.43	bb	-31
9	060199028	tox120, rbl04199-100 ppb-2	Standard	111.00	5.477	17	155.70	bb	40
10	060199029	tox120, rbl04199-250 ppb-2	Standard	278.00	5.458	33	340.82	MM	23
11	060199030	tox120, rbl04199-500 ppb-2	Standard	556.00	5.470	58	628.52	bb	13
12	060199031	tox120, rbl04199-750 ppb-2	Standard	833.00	5.457	78	850.34	MM	2
13	060199032	tox120, rbl04199-1000 ppb-2	Standard	1111.00	5.457	105	1156.36	MM	4
14	060199033	methanol blank	Analyte						
15	060199034	tox120, 1M-g1, 4/19/99	Analyte						
16	060199035	tox120, 2M-g1, 4/19/99	Analyte						
17	060199036	tox120, 3M-g1, 4/19/99	Analyte						
18	060199037	tox120, 4M-g1, 4/19/99	Analyte						
19	060199038	tox120, 5M-g1, 4/19/99	Analyte						
20	060199039	tox120, rbl04199-250 ppb-cc-1	QC	278.00	5.481	22	215.92	MM	-22
21	060199040	methanol blank	Analyte						
22	060199041	tox120, 6M-g1, 4/19/99	Analyte						
23	060199042	tox120, 7M-g1, 4/19/99	Analyte						
24	060199043	tox120, 8M-g1, 4/19/99	Analyte						
25	060199044	tox120, 9M-g1, 4/19/99	Analyte						
26	060199045	tox120, 10M-g1, 4/19/99	Analyte						
27	060199046	tox120, rbl04199-250 ppb-cc-2, 5/28/99	QC	278.00	5.476	28	286.55	MM	3
28	060199047	methanol blank	Analyte						
29	060199048	tox120, 11M-g1, 4/19/99	Analyte						
30	060199049	tox120, 13M-g1, 4/19/99	Analyte						
31	060199050	tox120, 14M-g1, 4/19/99	Analyte						
32	060199051	tox120, 15M-g1, 4/19/99	Analyte						
33	060199052	tox120, rbl04199-250 ppb-cc-3	QC	278.00	5.485	26	259.87	MM	-7
34	060199053	methanol blank	Analyte						
35	060199054	tox120, 6M-g1, ms, 4/19/99	Analyte		5.474	24	238.96	bb	
36	060199055	tox120, 6M-g1, msd, 4/19/99	Analyte		5.488	29	292.29	MM	
37	060199056	tox120, 13M-g1, ms, 4/19/99	Analyte		5.477	22	215.83	MM	
38	060199057	tox120, 13M-g1, msd, 4/19/99	Analyte		5.509	26	265.21	MM	
39	060199058	tox120, rbl04199-250 ppb-cc-4	QC	278.00	5.481	29	295.89	MM	6
40	060199059	methanol blank	Analyte						
41	060199060	tox120, 3M-g1, ms, 4/19/99	Analyte		5.473	23	224.10	MM	
42	060199061	tox120, 3M-g1, msd, 4/19/99	Analyte		5.505	23	225.97	bb	
43	060199062	tox120, 41M-g3, 4/19/99, d10	Analyte		5.478	10	78.75	bb	
44	060199063	tox120, 23M-g2, 4/19/99	Analyte		5.479	115	1272.23	MM	
45	060199064	tox120, 24M-g2, 4/19/99	Analyte		5.482	147	1632.39	MM	
46	060199065	tox120, rbl04199-250 ppb-cc-5	QC	278.00	5.492	27	271.64	MM	-2
47	060199066	methanol blank	Analyte						
48	060199067	tox120, 25M-g2, 4/19/99	Analyte		5.491	99	1083.93	MM	
49	060199068	tox120, 26M-g2, 4/19/99	Analyte		5.480	123	1360.34	MM	
50	060199069	tox120, 27M-g2, 4/19/99	Analyte		5.475	191	2128.03	MM	
51	060199070	tox120, 29M-g2, 4/19/99	Analyte		5.450	118	1302.00	MM	
52	060199071	tox120, 30M-g2, 4/19/99	Analyte		5.466	75	820.19	MM	
53	060199072	tox120, rbl04199-250 ppb-cc-6	QC	278.00	5.467	25	250.88	bb	-10
54	060199073	methanol blank	Analyte						
55	060199074	tox120, 31M-g2, 4/19/99	Analyte		5.474	87	956.99	MM	
56	060199075	tox120, 33M-g3, 4/19/99	Analyte		5.505	102	1127.37	MM	
57	060199076	tox120, 34M-g3, 4/19/99	Analyte		5.475	135	1492.73	MM	
58	060199077	tox120, 35M-g3, 4/19/99	Analyte		5.490	92	1013.14	MM	
59	060199078	tox120, 36M-g3, 4/19/99	Analyte		5.476	92	1010.59	MM	
60	060199079	tox120, rbl04199-250 ppb-cc-1	QC	278.00	5.474	26	260.57	bb	-6
61	060199080	methanol blank	Analyte						
62	060199081	tox120, 37M-g3, 4/19/99	Analyte		5.482	100	1104.83	MM	
63	060199082	tox120, 38M-g3, 4/19/99	Analyte		5.500	75	819.95	MM	
64	060199083	tox120, 39M-g3, 4/19/99	Analyte		5.498	109	1201.84	MM	
65	060199084	tox120, 40M-g3, 4/19/99	Analyte		5.474	96	1051.95	MM	
66	060199085	tox120, 41M-g3, 4/19/99	Analyte		5.483	86	942.67	MM	
67	060199086	tox120, rbl04199-250 ppb-cc-2	QC	278.00	5.466	29	294.92	bb	6
68	060199087	methanol blank	Analyte						
69	060199088	tox120, 42M-g3, 4/19/99	Analyte		5.478	78	851.36	MM	
70	060199089	tox120, 43M-g3, 4/19/99	Analyte		5.479	97	1067.95	MM	
71	060199090	tox120, 45M-g3, 4/19/99	Analyte		5.496	57	610.50	MM	
72	060199091	tox120, 46M-g3, 4/19/99	Analyte		5.460	65	707.74	bb	
73	060199092	tox120, 47M-g3, 4/19/99	Analyte		5.463	47	496.73	bb	
74	060199093	tox120, rbl04199-250 ppb-cc-3	QC	278.00	5.495	30	307.89	bb	11
75	060199094	methanol blank	Analyte						
76	060199095	tox120, rbl04199-wblk-2	Analyte						
77	060199096	tox120, rbl04199-lblk-2	Analyte						
78	060199097	tox120, rbl04199-5 ppb-2	Standard	5.56					
79	060199098	tox120, rbl04199-10 ppb-2	Standard	11.10	5.514	4	14.64	MM	32
80	060199099	tox120, rbl04199-25 ppb-2	Standard	27.80					
81	060199100	tox120, rbl04199-50 ppb-2	Standard	55.60	5.457	6	40.05	MM	-28
82	060199101	tox120, rbl04199-100 ppb-2	Standard	111.00	5.498	10	81.11	bb	-27
83	060199102	tox120, rbl04199-250 ppb-2	Standard	278.00	5.492	25	254.54	MM	-8
84	060199103	tox120, rbl04199-500 ppb-2	Standard	556.00	5.494	46	490.00	MM	-12
85	060199104	tox120, rbl04199-750 ppb-2	Standard	833.00	5.472	78	854.07	MM	3
86	060199105	tox120, rbl04199-1000 ppb-2	Standard	1111.00	5.473	91	995.71	MM	-10

Amelia 062498: quantiated and printed by hoj 6/02/99

BACK TO MAIN

Quantify Compound Summary Report
tox120, gl-3, rtl

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\060199c
Last modified: Tue Jun 01 16:18:01 1999
Method: C:\MASSLYNX\rats2.PRO\MethDB\060199c
Last modified: Wed Jun 02 06:48:03 1999
Job Code:

Printed: Wed Jun 02 07:20:47 1999

Compound 3: M613

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	060199020	methanol blank	Analyte						
2	060199021	methanol blank	Analyte						
3	060199022	tox120, rbl04199-wblk-2	Analyte						
4	060199023	tox120, rbl04199-lblk-2	Analyte		5.743	3	36.00	bb	
5	060199024	tox120, rbl04199-5 ppb-2	Standard	5.56	5.791	14	154.82	bbX	2684
6	060199025	tox120, rbl04199-10 ppb-2	Standard	11.10	5.820	9	102.31	bbX	822
7	060199026	tox120, rbl04199-25 ppb-2	Standard	27.80					
8	060199027	tox120, rbl04199-50 ppb-2	Standard	55.60	5.798	4	40.84	MM	-27
9	060199028	tox120, rbl04199-100 ppb-2	Standard	111.00	5.769	10	112.24	bb	1
10	060199029	tox120, rbl04199-250 ppb-2	Standard	278.00	5.793	21	238.05	bb	-14
11	060199030	tox120, rbl04199-500 ppb-2	Standard	556.00	5.788	53	588.77	MM	6
12	060199031	tox120, rbl04199-750 ppb-2	Standard	833.00	5.771	81	889.42	MM	7
13	060199032	tox120, rbl04199-1000 ppb-2	Standard	1111.00	5.770	91	1009.33	MMX	-9
14	060199033	methanol blank	Analyte						
15	060199034	tox120, 1M-g1, 4/19/99	Analyte						
16	060199035	tox120, 2M-g1, 4/19/99	Analyte						
17	060199036	tox120, 3M-g1, 4/19/99	Analyte						
18	060199037	tox120, 4M-g1, 4/19/99	Analyte						
19	060199038	tox120, 5M-g1, 4/19/99	Analyte						
20	060199039	tox120, rbl04199-250 ppb-cc-1	QC	278.00	5.773	21	236.61	bb	-15
21	060199040	methanol blank	Analyte						
22	060199041	tox120, 6M-g1, 4/19/99	Analyte						
23	060199042	tox120, 7M-g1, 4/19/99	Analyte						
24	060199043	tox120, 8M-g1, 4/19/99	Analyte						
25	060199044	tox120, 9M-g1, 4/19/99	Analyte						
26	060199045	tox120, 10M-g1, 4/19/99	Analyte						
27	060199046	tox120, rbl04199-250 ppb-cc-2, 5/28/99	QC	278.00	5.793	20	226.25	bb	-19
28	060199047	methanol blank	Analyte						
29	060199048	tox120, 11M-g1, 4/19/99	Analyte						
30	060199049	tox120, 13M-g1, 4/19/99	Analyte						
31	060199050	tox120, 14M-g1, 4/19/99	Analyte						
32	060199051	tox120, 15M-g1, 4/19/99	Analyte						
33	060199052	tox120, rbl04199-250 ppb-cc-3	QC	278.00	5.779	18	204.21	MM	-27
34	060199053	methanol blank	Analyte						
35	060199054	tox120, 6M-g1, ms, 4/19/99	Analyte		5.790	15	163.64	bb	
36	060199055	tox120, 6M-g1, msd, 4/19/99	Analyte		5.783	17	185.98	bb	
37	060199056	tox120, 13M-g1, ms, 4/19/99	Analyte		5.791	20	223.84	bb	
38	060199057	tox120, 13M-g1, msd, 4/19/99	Analyte		5.804	21	231.57	bb	
39	060199058	tox120, rbl04199-250 ppb-cc-4	QC	278.00	5.798	22	238.60	bb	-14
40	060199059	methanol blank	Analyte						
41	060199060	tox120, 3M-g1, ms, 4/19/99	Analyte		5.790	22	240.26	bb	
42	060199061	tox120, 3M-g1, msd, 4/19/99	Analyte		5.799	21	228.26	bb	
43	060199062	tox120, 41M-g3, 4/19/99, d10	Analyte						
44	060199063	tox120, 23M-g2, 4/19/99	Analyte		5.797	9	96.59	MM	
45	060199064	tox120, 24M-g2, 4/19/99	Analyte		5.777	10	112.16	bb	
46	060199065	tox120, rbl04199-250 ppb-cc-5	QC	278.00	5.786	20	223.25	MM	-20
47	060199066	methanol blank	Analyte						
48	060199067	tox120, 25M-g2, 4/19/99	Analyte		5.810	5	61.82	MM	
49	060199068	tox120, 26M-g2, 4/19/99	Analyte		5.797	11	117.93	MM	
50	060199069	tox120, 27M-g2, 4/19/99	Analyte		5.792	13	141.67	bb	
51	060199070	tox120, 29M-g2, 4/19/99	Analyte		5.768	10	112.36	MM	
52	060199071	tox120, 30M-g2, 4/19/99	Analyte		5.784	8	86.81	MM	
53	060199072	tox120, rbl04199-250 ppb-cc-6	QC	278.00	5.784	25	272.83	MM	-2
54	060199073	methanol blank	Analyte						
55	060199074	tox120, 31M-g2, 4/19/99	Analyte		5.813	11	117.29	bb	
56	060199075	tox120, 33M-g3, 4/19/99	Analyte						
57	060199076	tox120, 34M-g3, 4/19/99	Analyte						
58	060199077	tox120, 35M-g3, 4/19/99	Analyte		5.785	5	60.98	bb	
59	060199078	tox120, 36M-g3, 4/19/99	Analyte						
60	060199079	tox120, rbl04199-250 ppb-cc-1	QC	278.00	5.770	25	277.42	MM	0
61	060199080	methanol blank	Analyte						
62	060199081	tox120, 37M-g3, 4/19/99	Analyte						
63	060199082	tox120, 38M-g3, 4/19/99	Analyte						
64	060199083	tox120, 39M-g3, 4/19/99	Analyte						
65	060199084	tox120, 40M-g3, 4/19/99	Analyte						
66	060199085	tox120, 41M-g3, 4/19/99	Analyte						
67	060199086	tox120, rbl04199-250 ppb-cc-2	QC	278.00	5.806	23	252.51	MM	-9
68	060199087	methanol blank	Analyte						
69	060199088	tox120, 42M-g3, 4/19/99	Analyte						
70	060199089	tox120, 43M-g3, 4/19/99	Analyte						
71	060199090	tox120, 45M-g3, 4/19/99	Analyte						
72	060199091	tox120, 46M-g3, 4/19/99	Analyte						
73	060199092	tox120, 47M-g3, 4/19/99	Analyte						
74	060199093	tox120, rbl04199-250 ppb-cc-3	QC	278.00	5.790	20	219.11	bb	-21
75	060199094	methanol blank	Analyte		5.584	9	103.83	bb	
76	060199095	tox120, rbl04199-wblk-2	Analyte						
77	060199096	tox120, rbl04199-lblk-2	Analyte						
78	060199097	tox120, rbl04199-5 ppb-2	Standard	5.56					
79	060199098	tox120, rbl04199-10 ppb-2	Standard	11.10					
80	060199099	tox120, rbl04199-25 ppb-2	Standard	27.80					
81	060199100	tox120, rbl04199-50 ppb-2	Standard	55.60	5.796	5	51.85	MM	-7
82	060199101	tox120, rbl04199-100 ppb-2	Standard	111.00	5.812	15	171.76	MM	55
83	060199102	tox120, rbl04199-250 ppb-2	Standard	278.00	5.808	22	243.17	MM	-13
84	060199103	tox120, rbl04199-500 ppb-2	Standard	556.00	5.790	48	533.24	MM	-4
85	060199104	tox120, rbl04199-750 ppb-2	Standard	833.00	5.790	72	797.88	MM	-4
86	060199105	tox120, rbl04199-1000 ppb-2	Standard	1111.00	5.767	81	892.89	MMX	-20

Amelia 062498: quantiated and printed by hoj 6/02/99

BACK TO MAIN

Sample List: C:\MASSLYNX\rats2.PRO\SampleDB\060199c
Last modified: Tue Jun 01 16:18:01 1999
Method: C:\MASSLYNX\rats2.PRO\MethDB\060199c
Last modified: Wed Jun 02 06:48:03 1999
Job Code:

Printed: Wed Jun 02 07:20:47 1999

Compound 4: IS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	060199020	methanol blank	Analyte						
2	060199021	methanol blank	Analyte						
3	060199022	tox120, rbl04199-wblk-2	Analyte		5.061	862	0.92	bb	-8
4	060199023	tox120, rbl04199-lblk-2	Analyte		5.057	1055	1.13	bb	13
5	060199024	tox120, rbl04199-5 ppb-2	Standard	1.00	5.024	1051	1.12	bb	12
6	060199025	tox120, rbl04199-10 ppb-2	Standard	1.00	5.031	1057	1.13	bb	13
7	060199026	tox120, rbl04199-25 ppb-2	Standard	1.00	5.018	1119	1.20	bb	20
8	060199027	tox120, rbl04199-50 ppb-2	Standard	1.00	5.032	909	0.97	bb	-3
9	060199028	tox120, rbl04199-100 ppb-2	Standard	1.00	5.021	1047	1.12	bb	12
10	060199029	tox120, rbl04199-250 ppb-2	Standard	1.00	5.027	906	0.97	bb	-3
11	060199030	tox120, rbl04199-500 ppb-2	Standard	1.00	5.014	907	0.97	bb	-3
12	060199031	tox120, rbl04199-750 ppb-2	Standard	1.00	5.026	898	0.96	bb	-4
13	060199032	tox120, rbl04199-1000 ppb-2	Standard	1.00	5.003	972	1.04	bb	4
14	060199033	methanol blank	Analyte						
15	060199034	tox120, 1M-g1, 4/19/99	Analyte		5.024	779	0.83	bb	-17
16	060199035	tox120, 2M-g1, 4/19/99	Analyte		5.016	873	0.93	bb	-7
17	060199036	tox120, 3M-g1, 4/19/99	Analyte		5.046	872	0.93	bb	-7
18	060199037	tox120, 4M-g1, 4/19/99	Analyte		5.028	909	0.97	bb	-3
19	060199038	tox120, 5M-g1, 4/19/99	Analyte		5.010	764	0.82	bb	-18
20	060199039	tox120, rbl04199-250 ppb-cc-1	QC	1.00	5.024	870	0.93	bb	-7
21	060199040	methanol blank	Analyte						
22	060199041	tox120, 6M-g1, 4/19/99	Analyte		5.023	691	0.74	bb	-26
23	060199042	tox120, 7M-g1, 4/19/99	Analyte		5.014	730	0.78	bb	-22
24	060199043	tox120, 8M-g1, 4/19/99	Analyte		5.024	809	0.87	bb	-13
25	060199044	tox120, 9M-g1, 4/19/99	Analyte		5.004	700	0.75	bb	-25
26	060199045	tox120, 10M-g1, 4/19/99	Analyte		5.005	870	0.93	bb	-7
27	060199046	tox120, rbl04199-250 ppb-cc-2, 5/28/99	QC	1.00	5.021	953	1.02	bb	2
28	060199047	methanol blank	Analyte						
29	060199048	tox120, 11M-g1, 4/19/99	Analyte		5.028	702	0.75	bb	-25
30	060199049	tox120, 13M-g1, 4/19/99	Analyte		5.014	684	0.73	bb	-27
31	060199050	tox120, 14M-g1, 4/19/99	Analyte		5.023	783	0.84	bb	-16
32	060199051	tox120, 15M-g1, 4/19/99	Analyte		5.023	667	0.71	bb	-29
33	060199052	tox120, rbl04199-250 ppb-cc-3	QC	1.00	5.027	963	1.03	bb	3
34	060199053	methanol blank	Analyte						
35	060199054	tox120, 6M-g1, ms, 4/19/99	Analyte		5.021	768	0.82	bb	-18
36	060199055	tox120, 6M-g1, msd, 4/19/99	Analyte		5.033	763	0.82	bb	-18
37	060199056	tox120, 13M-g1, ms, 4/19/99	Analyte		5.023	696	0.74	bb	-26
38	060199057	tox120, 13M-g1, msd, 4/19/99	Analyte		5.030	810	0.87	bb	-13
39	060199058	tox120, rbl04199-250 ppb-cc-4	QC	1.00	5.024	948	1.01	bb	1
40	060199059	methanol blank	Analyte						
41	060199060	tox120, 3M-g1, ms, 4/19/99	Analyte		5.016	836	0.89	bb	-11
42	060199061	tox120, 3M-g1, msd, 4/19/99	Analyte		5.025	877	0.94	bb	-6
43	060199062	tox120, 41M-g3, 4/19/99, d10	Analyte		5.022	93	0.10	bb	-90
44	060199063	tox120, 23M-g2, 4/19/99	Analyte		5.023	466	0.50	bb	-50
45	060199064	tox120, 24M-g2, 4/19/99	Analyte		5.025	555	0.59	bb	-41
46	060199065	tox120, rbl04199-250 ppb-cc-5	QC	1.00	5.033	886	0.95	bb	-5
47	060199066	methanol blank	Analyte						
48	060199067	tox120, 25M-g2, 4/19/99	Analyte		5.016	541	0.58	bb	-42
49	060199068	tox120, 26M-g2, 4/19/99	Analyte		5.024	523	0.56	bb	-44
50	060199069	tox120, 27M-g2, 4/19/99	Analyte		5.018	1219	1.30	MM	30
51	060199070	tox120, 29M-g2, 4/19/99	Analyte		4.996	779	0.83	bb	-17
52	060199071	tox120, 30M-g2, 4/19/99	Analyte		5.013	536	0.57	bb	-43
53	060199072	tox120, rbl04199-250 ppb-cc-6	QC	1.00	5.015	895	0.96	bb	-4
54	060199073	methanol blank	Analyte						
55	060199074	tox120, 31M-g2, 4/19/99	Analyte		5.042	591	0.63	bb	-37
56	060199075	tox120, 33M-g3, 4/19/99	Analyte		5.004	985	1.05	bb	5
57	060199076	tox120, 34M-g3, 4/19/99	Analyte		5.019	509	0.54	bb	-46
58	060199077	tox120, 35M-g3, 4/19/99	Analyte		5.012	457	0.49	bb	-51
59	060199078	tox120, 36M-g3, 4/19/99	Analyte		5.019	546	0.58	bb	-42
60	060199079	tox120, rbl04199-250 ppb-cc-1	QC	1.00	5.018	814	0.87	bb	-13
61	060199080	methanol blank	Analyte						
62	060199081	tox120, 37M-g3, 4/19/99	Analyte		5.025	517	0.55	bb	-45
63	060199082	tox120, 38M-g3, 4/19/99	Analyte		5.021	483	0.52	bb	-48
64	060199083	tox120, 39M-g3, 4/19/99	Analyte		5.042	630	0.67	bb	-33
65	060199084	tox120, 40M-g3, 4/19/99	Analyte		5.019	466	0.50	bb	-50
66	060199085	tox120, 41M-g3, 4/19/99	Analyte		5.005	471	0.50	bb	-50
67	060199086	tox120, rbl04199-250 ppb-cc-2	QC	1.00	5.014	940	1.01	bb	1
68	060199087	methanol blank	Analyte						
69	060199088	tox120, 42M-g3, 4/19/99	Analyte		5.022	659	0.71	bb	-29
70	060199089	tox120, 43M-g3, 4/19/99	Analyte		5.049	566	0.61	bb	-39
71	060199090	tox120, 45M-g3, 4/19/99	Analyte		5.018	535	0.57	bb	-43
72	060199091	tox120, 46M-g3, 4/19/99	Analyte		5.026	615	0.66	bb	-34
73	060199092	tox120, 47M-g3, 4/19/99	Analyte		5.033	534	0.57	bb	-43
74	060199093	tox120, rbl04199-250 ppb-cc-3	QC	1.00	5.015	836	0.89	bb	-11
75	060199094	methanol blank	Analyte						
76	060199095	tox120, rbl04199-wblk-2	Analyte		5.050	913	0.98	bb	-2
77	060199096	tox120, rbl04199-lblk-2	Analyte		5.034	923	0.99	bb	-1
78	060199097	tox120, rbl04199-5 ppb-2	Standard	1.00	5.039	923	0.99	bb	-1
79	060199098	tox120, rbl04199-10 ppb-2	Standard	1.00	5.036	974	1.04	bb	4
80	060199099	tox120, rbl04199-25 ppb-2	Standard	1.00	5.037	1061	1.14	bb	14
81	060199100	tox120, rbl04199-50 ppb-2	Standard	1.00	5.023	808	0.86	bb	-14
82	060199101	tox120, rbl04199-100 ppb-2	Standard	1.00	4.997	978	1.05	bb	5
83	060199102	tox120, rbl04199-250 ppb-2	Standard	1.00	5.018	843	0.90	bb	-10
84	060199103	tox120, rbl04199-500 ppb-2	Standard	1.00	5.016	758	0.81	MM	-19
85	060199104	tox120, rbl04199-750 ppb-2	Standard	1.00	5.020	764	0.82	bb	-18
86	060199105	tox120, rbl04199-1000 ppb-2	Standard	1.00	4.999	850	0.91	MM	-9

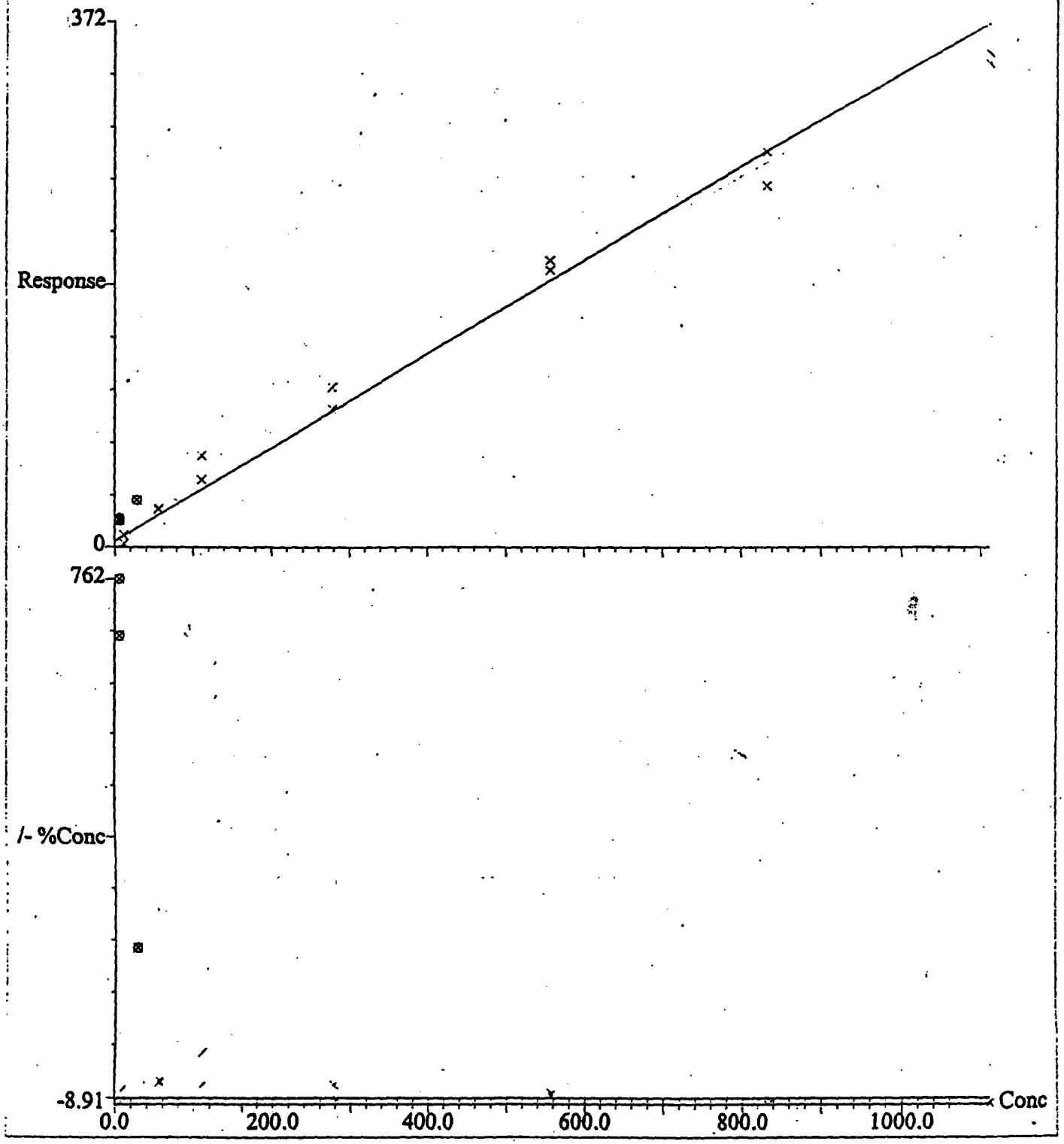
BACK TO MAIN

Hoj 6/2/99 9 Pages

Quantify Calibration Report
tox120, gi-3, rti

Calibration: C:\MASSLYNX\rats2.PRO\CurveDB\060199c
Last modified: Wed Jun 02 07:18:06 1999
Printed: Wed Jun 02 07:20:31 1999

Compound 1 name: POAA
Coefficient of Determination: 0.984688
Calibration curve: 0.331359 • x + 4.32784
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

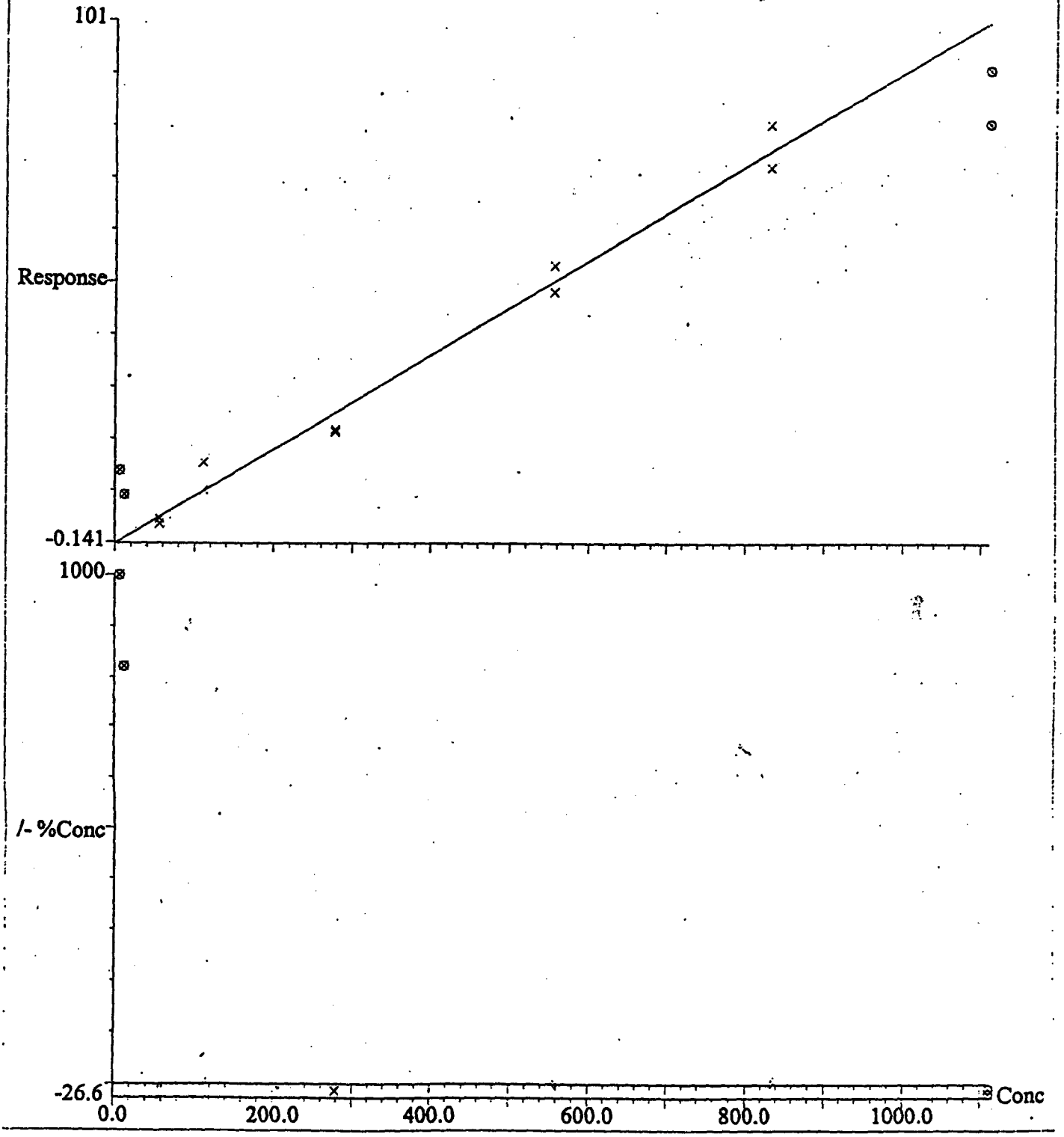


Amelia 062498: quantiated and printed by hoj 6/02/99

Quantify Calibration Report
tox120, gl-3, rtl

Calibration: C:\MASSLYNX\rats2.PRO\CurveDB\060199c
Last modified: Wed Jun 02 07:18:06 1999
Printed: Wed Jun 02 07:20:51 1999

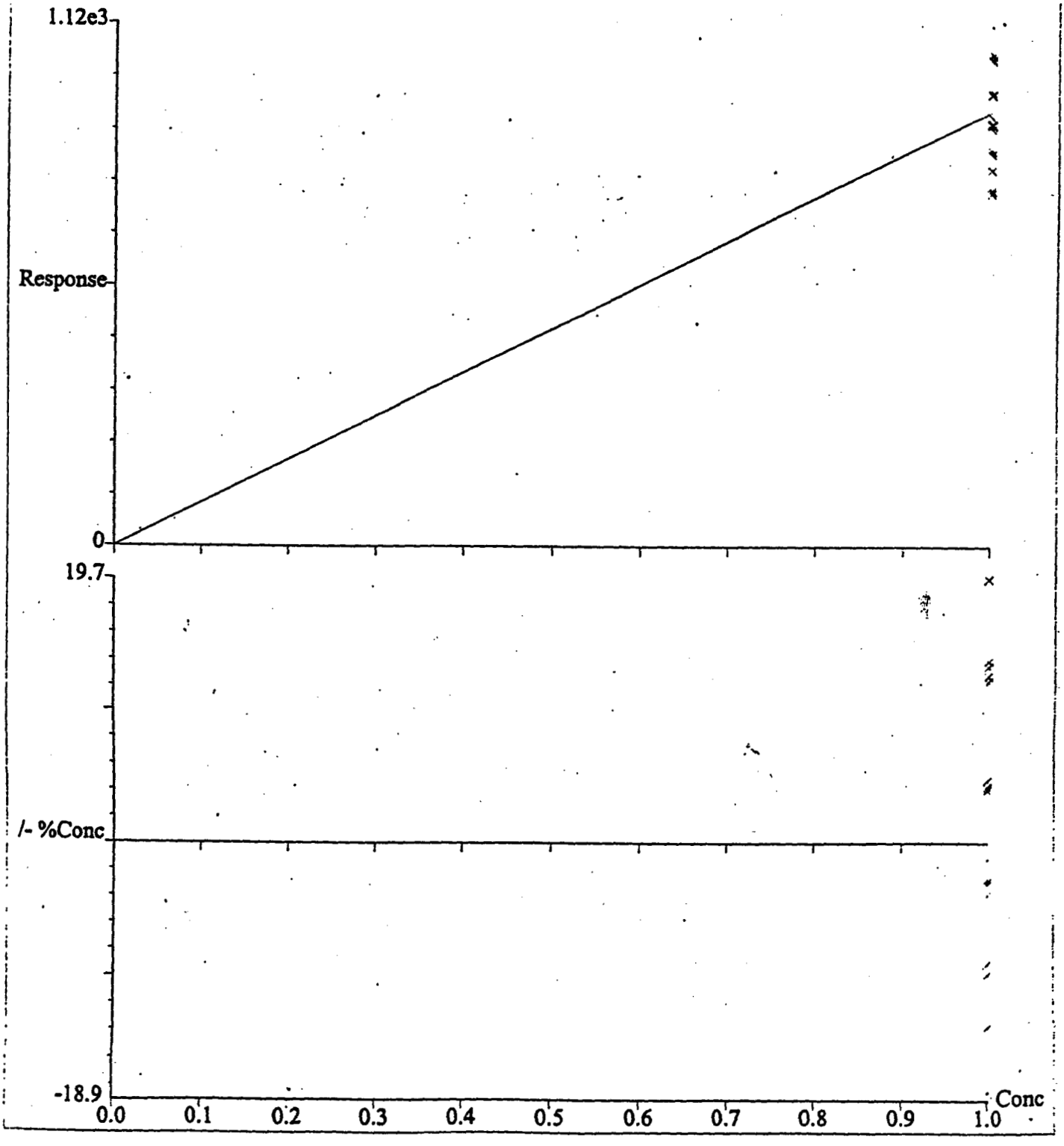
Compound 3 name: M613
Coefficient of Determination: 0.985455
Calibration curve: 0.0907428 * x + -0.140609
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Amelia 062498: quantiated and printed by hoj 6/02/99

Calibration: C:\MASSLYNX\rats2.PRO\CurveDB\060199c
Last modified: Wed Jun 02 07:18:06 1999
Printed: Wed Jun 02 07:20:51 1999

Compound 4 name: IS
Response Factor: 934.735
Response type: External Std, Area
Curve type: RF



Amelia 062498: quantiated and printed by hoj 6/02/99

BACK TO MAIN

SOUP 020199: FACT Equipment Log 99014 **PAGE ____**
Quattro II, #6414E

DRB 06/08/99

DATE: 06/08/99

ANALYST: drb

STUDY NUMBER: TOX-120 MATRIX: Rat Liver DESCRIPTION: POAA analog check
FACT Method: ETS-8-5.0 .

Injection volume: 10 uL Cycle time: 9 min. Electrode: Z-Spray

Mobile Phase:	(A) 2.0 mM NH4CH3CO2	(B) MeOH
TN-A- or stndrd number	(A) 99012-10-9	(B) TN-A-2540
Prepared (date/by):	(A) 06/04/99 drb	(B) 06/03/99 drb
Expires:	(A) 10/99	(B) 10/99

Store at room temp? [Y] or N Other: _____

Guard column: None

Part number: na Lot number: na

Analytical column: Keystone Betasil

Size: 2 x 50 mm Type: C18 Sphere size: 5 um

Part number: 055-701-2 Lot number: P7LO4 Serial number: 0481175Z

Analytical parameters:

Drying gas (L/hr): 350 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 55 bar

HPLC solvent gradient: 9min-2

Time (min.)	%B
1) 0.00	40.0
2) 1.00	40.0
3) 4.50	95.0
4) 6.50	95.0
5) 7.00	40.0

Masslynx - Sample List

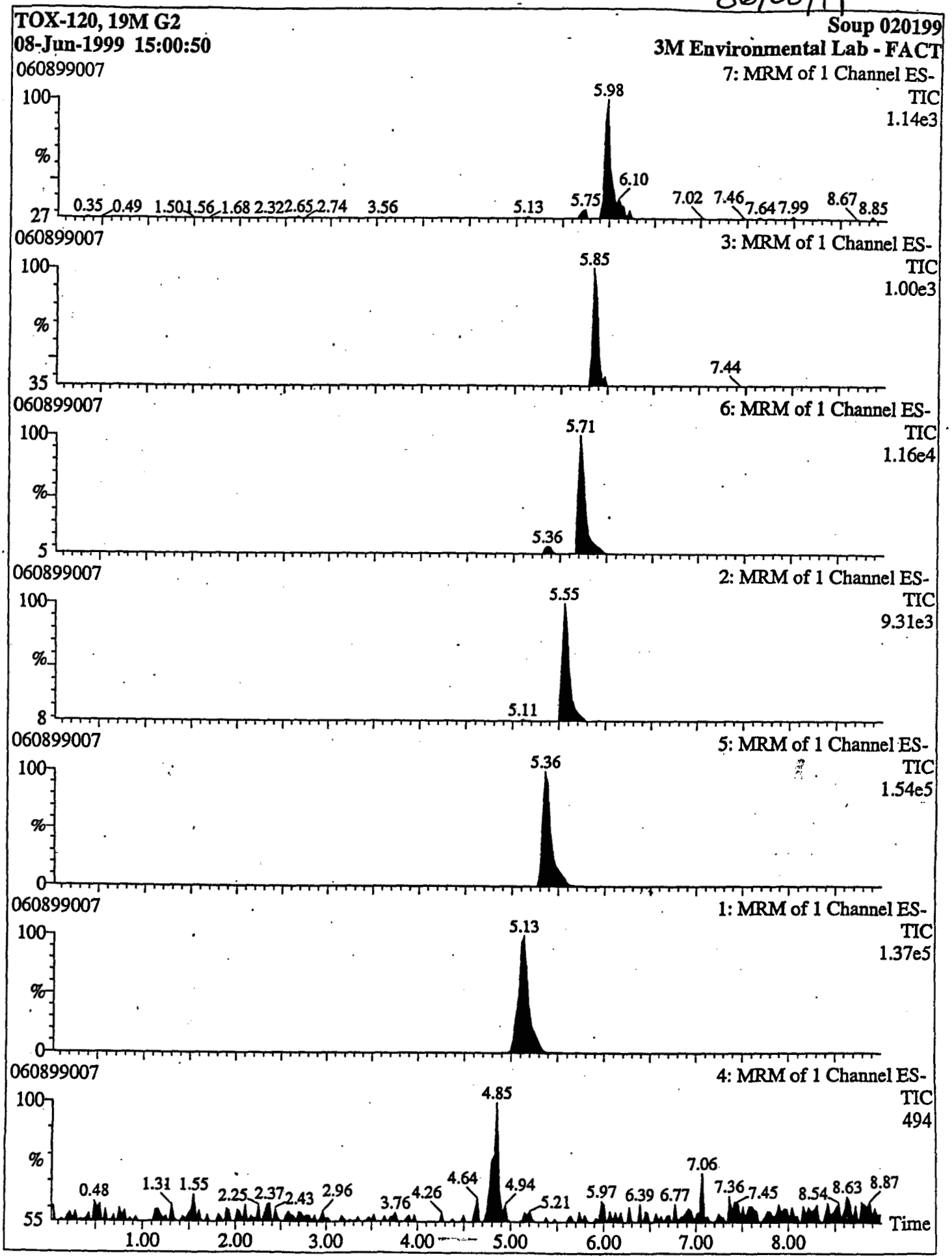
DRB 06/08/99

Sample List: C:\MASSLYNX\soup-rats.pro\SampleDB\060899a.SPL
Printed: Tue Jun 08 15:56:34 1999

	File Name	File Text	MS File	Inlet File	Bottle	t Volume	Sample T	Conc A
1	060899001	MeOH Blank	POAA-51:	9min-2	91	10	Analyte	
2	060899002	Tox-120, RBL04199-LiverBlk-1, 4/19/	POAA-51:	9min-2	1	10	Analyte	
3	060899003	Tox-120, RBL04199-10 ppb -1, 4/19/	POAA-51:	9min-2	2	10	Analyte	10
4	060899004	Tox-120, RBL04199-100 ppb -1, 4/19,	POAA-51:	9min-2	3	10	Standard	100
5	060899005	Tox-120, RBL04199-1000 ppb -1, 4/1	POAA-51:	9min-2	4	10	Standard	1000
6	060899006	MeOH Blank	POAA-51:	9min-2	91	10	Analyte	
7	060899007	TOX-120, 19M G2	POAA-51:	9min-2	5	10	Analyte	
8	060899008	MeOH Blank	POAA-51:	9min-2	92	10	Analyte	
9	060899009	TOX-120, 35M G3	POAA-51:	9min-2	6	10	Analyte	

BACK TO MAIN

DKS 06/08/99



BACK TO MAIN

Scanning Method Report

Method: C:\MASSLYNX\SOUP-RATS.PRO\ACQUDB\POAA-513-613+
Last Modified: Tue Jun 08 13:55:56 1999

Printed: Tue Jun 08 15:00:44 1999

DRB 06/08/99

Solvent Delay (mins) : 0.00

Function : 1 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	413.00	169.00	0.25	20	15

Function : 2 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	513.00	169.00	0.25	20	15

Function : 3 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	613.00	169.00	0.25	20	15

Function : 4 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	363.00	119.00	0.20	20	15

Function : 5 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	463.00	169.00	0.20	20	15

Function : 6 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	563.00	169.00	0.20	20	15

Function : 7 MRM of 1 Mass Pair (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 9.00
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	663.00	169.00	0.20	20	15

BACK TO MAIN

Tuning Method Report

Method: C:\MASSLYNX\SOUP-RATS.PRO\ACQUDB\PFOS

Printed: Tue Jun 08 16:43:16 1999

DRS
06/08/99

MS

SOURCE (ESP-)	Set	Rdbk
Capillary	3.00	3.01
Cone	60	-60
Extractor	5	-7
RF Lens	0.2	
Source Block Temp.	150	153
Desolvation Temp.	250	252

MS1	Set	Rdbk
LM Resolution	14.0	
HM Resolution	14.0	
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 6	5	2
Multiplier	650	

Pressures	Rdbk
Analyser Vacuum	2.2e-4
Gas Cell	4.9e-3

MS2	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Collision	45	43
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 8	40	38
Lens 9	0	43
Multiplier	650	

BACK TO MAIN

6/9
MEG

AMELIA062498: FACT Equipment Log 99016 **PAGE_____**
Quattro II, #6448E

DATE: 06/09/99

ANALYST: sah/mee

STUDY NUMBER Tox-120, MATRIX: rat liver DESCRIPTION: IP

FACT Method: ets-M-5.0

Injection volume, 10 uL Cycle time: 13.5 min. Electrode: Z-Spray

Mobile Phase: (A) 2.0 mM NH4CH3CO2 (B) MeOH

TN-A- or stndrd number (A) 99012-10-6 (B) TN-A-2647

Prepared (date/by): (A) 5/21/99 ias (B) 6/7/99 sah

Expires: (A) 11/99 (B) 12/99

Store at room temp? [Y] or N Other:_____

Guard column: None

Part number: na Lot number: na

Analytical column: keystone betasil

Size: 2 x 100mm Type: c18 Sphere size: 5 um

Part number: 105-705-2 Lot number: p7h12 Serial number: 068640b

Analytical parameters:

Drying gas (L/hr): 300 ESI nebulizing gas (L/hr) 15 Sheath gas (L/hr) 0

LC Flow rate: 300 uL/min. Back pressure: 80 bar

HPLC solvent gradient: pfbs1

Time (min.)	%B
1) 0.00	5
2) 1.0	5
3 8.5	90
5) 11.0	90
6) 12.0	5
7) 13.5	end

BACK TO MAIN

Amelia 062498 SAH 6/10/99

61 MEE

Masslynx - Sample List

Sample List: C:\MASSLYNX\amelia-rats.PRO\SampleDB\060999a.SPL
Printed: Wed Jun 09 15:01:19 1999

	File Name	File Text	MS File	Inlet File	Bottle	Vol
1	060999001	methanol blank	PFHS	pfbs1	91	
2	060999002	methanol blank	PFHS	pfbs1	91	
3	060999003	tox120, rbl02229-H2Oblk-1	PFHS	pfbs1	1	
4	060999004	tox120, rbl02229-Liverblk-1	PFHS	pfbs1	2	
5	060999005	tox120, rbl02229-5ppb-1	PFHS	pfbs1	3	
6	060999006	tox120, rbl02229-10ppb-1	PFHS	pfbs1	4	
7	060999007	tox120, rbl02229-25ppb-1	PFHS	pfbs1	5	
8	060999008	tox120, rbl02229-50ppb-1	PFHS	pfbs1	6	
9	060999009	tox120, rbl02229-100ppb-1	PFHS	pfbs1	7	
10	060999010	tox120, rbl02229-250ppb-1	PFHS	pfbs1	8	
11	060999011	tox120, rbl02229-500ppb-1	PFHS	pfbs1	9	
12	060999012	tox120, rbl02229-750ppb-1	PFHS	pfbs1	10	
13	060999013	tox120, rbl02229-1000ppb-1	PFHS	pfbs1	11	
14	060999014	methanol blank	PFHS	pfbs1	92	
15	060999015	tox120, 106F-G1-250ppb-ms, 2/22/99	PFHS	pfbs1	12	
16	060999016	tox120, 106F-G1-250ppb-msd, 2/22/99	PFHS	pfbs1	13	
17	060999017	tox120, 3M-G1-250ppb-ms, 4/19/99	PFHS	pfbs1	14	
18	060999018	tox120, 3M-G1-250ppb-msd, 4/19/99	PFHS	pfbs1	15	
19	060999019	tox120, rbl02229-250ppb-cc1	PFHS	pfbs1	81	
20	060999020	methanol blank	PFHS	pfbs1	92	
21	060999021	tox120, 153F-G4, 2/22/99	PFHS	pfbs1	16	
22	060999022	tox120, 154F-G4, 2/22/99	PFHS	pfbs1	17	
23	060999023	tox120, 155F-G4, 2/22/99	PFHS	pfbs1	18	
24	060999024	tox120, rbl02229-250ppb-cc2	PFHS	pfbs1	82	
25	060999025	methanol blank	PFHS	pfbs1	93	
26	060999026	tox120, 157F-G4, 2/22/99	PFHS	pfbs1	19	
27	060999027	tox120, 158F-G4, 2/22/99	PFHS	pfbs1	20	
28	060999028	tox120, 159F-G4, 2/22/99	PFHS	pfbs1	21	
29	060999029	tox120, rbl02229-250ppb-cc3	PFHS	pfbs1	83	
30	060999030	methanol blank	PFHS	pfbs1	93	
31	060999031	tox120, 57M-G4, 4/19/99	PFHS	pfbs1	22	
32	060999032	tox120, 58M-G4, 4/19/99	PFHS	pfbs1	23	
33	060999033	tox120, 59M-G4, 4/19/99	PFHS	pfbs1	24	
34	060999034	tox120, rbl02229-250ppb-cc4	PFHS	pfbs1	84	
35	060999035	methanol blank	PFHS	pfbs1	94	
36	060999036	tox120, 61M-G4, 4/19/99	PFHS	pfbs1	25	
37	060999037	tox120, 62M-G4, 4/19/99	PFHS	pfbs1	26	
38	060999038	tox120, 63M-G4, 4/19/99	PFHS	pfbs1	27	
39	060999039	tox120, rbl02229-250ppb-cc5	PFHS	pfbs1	85	
40	060999040	methanol blank	PFHS	pfbs1	94	
41	060999041	tox120, 169F-G5, 2/22/99	PFHS	pfbs1	28	
42	060999042	tox120, 170F-G5, 2/22/99	PFHS	pfbs1	29	
43	060999043	tox120, 171F-G5, 2/22/99	PFHS	pfbs1	30	
44	060999044	tox120, rbl02229-250ppb-cc6	PFHS	pfbs1	86	
45	060999045	methanol blank	PFHS	pfbs1	95	
46	060999046	tox120, 173F-G5, 2/22/99	PFHS	pfbs1	31	
47	060999047	tox120, 174F-G5, 2/22/99	PFHS	pfbs1	32	
48	060999048	tox120, 175F-G5, 2/22/99	PFHS	pfbs1	33	
49	060999049	tox120, rbl02229-250ppb-cc7	PFHS	pfbs1	87	
50	060999050	methanol blank	PFHS	pfbs1	95	
51	060999051	tox120, 73M-G5, d250, 4/19/99	PFHS	pfbs1	34	
52	060999052	tox120, 74M-G5, d250, 4/19/99	PFHS	pfbs1	35	
53	060999053	tox120, 75M-G5, d250, 4/19/99	PFHS	pfbs1	36	
54	060999054	tox120, rbl02229-250ppb-cc8	PFHS	pfbs1	88	
55	060999055	methanol blank	PFHS	pfbs1	96	
56	060999056	tox120, rbl02229-H2Oblk-2	PFHS	pfbs1	37	
57	060999057	tox120, rbl02229-Liverblk-2	PFHS	pfbs1	38	
58	060999058	tox120, rbl02229-5ppb-2	PFHS	pfbs1	39	
59	060999059	tox120, rbl02229-10ppb-2	PFHS	pfbs1	40	
60	060999060	tox120, rbl02229-25ppb-2	PFHS	pfbs1	41	

BACK TO MAIN

Amelia 060498 SAH 6/10/99

6/4 MEG

Sample List: C:\MASSLYNX\amelia-rats.PRO\SampleDB\060999a.SPL
Printed: Wed Jun 09 15:01:19 1999

	File Name	File Text	MS File	Inlet File	Bottle	Vol
61	060999061	tox120, rbl02229-50ppb-2	PFHS	pfbs1	42	
62	060999062	tox120, rbl02229-100ppb-2	PFHS	pfbs1	43	
63	060999063	tox120, rbl02229-250ppb-2	PFHS	pfbs1	44	
64	060999064	tox120, rbl02229-500ppb-2	PFHS	pfbs1	45	
65	060999065	tox120, rbl02229-750ppb-2	PFHS	pfbs1	46	
66	060999066	tox120, rbl02229-1000ppb-2	PFHS	pfbs1	47	

BACK TO MAIN

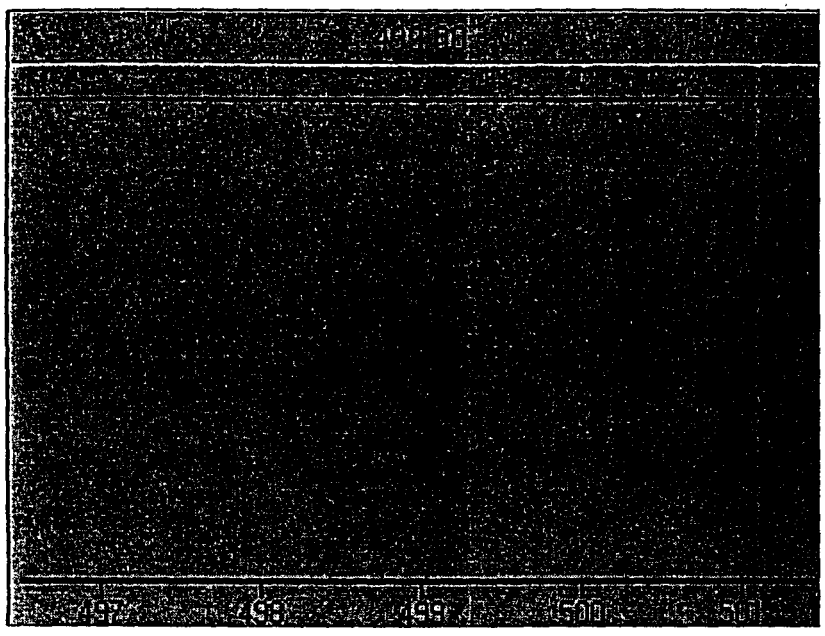
6/9
MEE

Amelia 0102498 SAH 6/10/99

Tuning Method Report

Method: C:\MASSLYNX\AMELIA-RATS.PRO\ACQUDB\PFOS

Printed: Wed Jun 09 15:01:35 1999



MS

SOURCE (ESP-)	Set	Rdbk
Capillary	3.00	2.98
Cone	15	-60
Extractor	5	-5
RF Lens	0.2	
Source Block Temp.	150	150
Desolvation Temp.	250	251

MS1	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 6	5	6
Multiplier	650	

Pressures	Rdbk
Analyser Vacuum	1.4e-4
Gas Cell	4.9e-3

MS2	Set	Rdbk
LM Resolution	15.0	
HM Resolution	15.0	
Collision	30	47
Ion Energy	2.0	
Ion Energy Ramp	0.0	
Lens 8	40	37
Lens 9	0	44
Multiplier	650	

Amelia 062498 SAH 6/10/99 MEE

Scanning Method Report

Method: C:\MASSLYNX\AMELIA-RATS.PRO\ACQUDB\ PFHS
Last Modified: Wed Jun 09 14:17:17 1999

Printed: Wed Jun 09 15:01:06 1999

Solvent Delay (mins) : 0.00

Function : 1 MRM of 2 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	299.00	80.00	0.40	45	60
2	299.00	99.00	0.40	45	60

Function : 2 MRM of 2 Mass Pairs (ESP-)

Inter Channel Delay (Secs) : 0.03
Span (Daltons) : 0.00
Start Time (Mins) : 0.00
End Time (Mins) : 13.50
Repeats : 1

Channel	Parent	Daughter	Dwell (Secs)	Coll Energy (eV)	Cone (V)
1	399.00	80.00	0.40	45	60
2	399.00	99.00	0.40	45	60

FACT: DATA REVIEW SUMMARY FORM

Date: 6/10/99

Analyst: HKJ

FACT Study Number Tox 120

Matrix RTS

Time Points —

Dilutions? —

Analyte 1:

Acceptable Linear Range: 5.99 - 898 ng/g

LOQ for this data set: 5.99 ng/g

Re-evaluated for different range? N

Analyte 2: PFHS

Acceptable Linear Range: 29.9 - 1198 ng/g

LOQ for this data set: 29.9 ng/g

Re-evaluated for different range? N

Analyte 3:

Acceptable Linear Range:

LOQ for this data set: DBS 6/10/99

Re-evaluated for different range?

Analyte 4:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 5:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 6: DBS 6/10/99

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Analyte 7:

Acceptable Linear Range:

LOQ for this data set:

Re-evaluated for different range?

Reconfirmation of G4 + G5 data. Major differences btwn + PFHS levels in the livers of males + females is confirmed. Original values are OK.

kjh 6/10/99

BACK TO MAIN

Hoj 6/10/99 2 PAGES

Quantify Compound Summary Report
tox120, and pfhs

Sample List: C:\MASSLYNX\amelia-rats.PRO\SampleDB\060999a
Last modified: Thu Jun 10 07:02:09 1999
Method: C:\MASSLYNX\amelia-rats.PRO\MethDB\060999a
Last modified: Thu Jun 10 06:47:27 1999
Job Code:

Printed: Thu Jun 10 07:12:23 1999

Compound 1:

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	060999001	methanol blank	Analyte						
2	060999002	methanol blank	Analyte						
3	060999003	tox120, rbl02229-H2Oblk-1	Analyte						
4	060999004	tox120, rbl02229-Liverblk-1	Analyte						
5	060999005	tox120, rbl02229-5ppb-1	Standard	5.99	7.695	33	3.06	MM	-49
6	060999006	tox120, rbl02229-10ppb-1	Standard	12.00	7.904	71	18.60	bb	55
7	060999007	tox120, rbl02229-25ppb-1	Standard	29.90	7.980	91	27.13	bb	-9
8	060999008	tox120, rbl02229-50ppb-1	Standard	59.90	7.891	143	48.62	bb	-19
9	060999009	tox120, rbl02229-100ppb-1	Standard	120.00	7.871	263	98.41	bb	-18
10	060999010	tox120, rbl02229-250ppb-1	Standard	299.00	7.869	760	305.16	bb	2
11	060999011	tox120, rbl02229-500ppb-1	Standard	599.00	7.849	1296	528.17	bb	-12
12	060999012	tox120, rbl02229-750ppb-1	Standard	898.00	7.895	2112	867.28	bb	-3
13	060999013	tox120, rbl02229-1000ppb-1	Standard	1198.00	7.868	3182	1312.32	bbX	10
14	060999014	methanol blank	Analyte						
15	060999015	tox120, 106F-G1-250ppb-ms, 2/22/99	Analyte		7.907	711	285.05	bb	
16	060999016	tox120, 106F-G1-250ppb-msd, 2/22/99	Analyte		7.879	672	268.79	MM	
17	060999017	tox120, 3M-G1-250ppb-ms, 4/19/99	Analyte		7.863	560	222.09	bb	
18	060999018	tox120, 3M-G1-250ppb-msd, 4/19/99	Analyte		7.894	617	245.86	bb	
19	060999019	tox120, rbl02229-250ppb-cc1	QC	299.00	7.969	895	361.48	bb	21
20	060999020	methanol blank	Analyte						
21	060999021	tox120, 153F-G4, 2/22/99	Analyte		7.937	63	15.40	MM	
22	060999022	tox120, 154F-G4, 2/22/99	Analyte		7.867	67	16.86	bb	
23	060999023	tox120, 155F-G4, 2/22/99	Analyte		7.861	61	14.57	bb	
24	060999024	tox120, rbl02229-250ppb-cc2	QC	299.00	7.965	856	345.12	MM	15
25	060999025	methanol blank	Analyte						
26	060999026	tox120, 157F-G4, 2/22/99	Analyte		7.800	42	6.59	bb	
27	060999027	tox120, 158F-G4, 2/22/99	Analyte						
28	060999028	tox120, 159F-G4, 2/22/99	Analyte						
29	060999029	tox120, rbl02229-250ppb-cc3	QC	299.00	7.880	999	404.44	MM	35
30	060999030	methanol blank	Analyte						
31	060999031	tox120, 57M-G4, 4/19/99	Analyte		7.884	390	151.21	bb	
32	060999032	tox120, 58M-G4, 4/19/99	Analyte		7.860	108	33.95	MM	
33	060999033	tox120, 59M-G4, 4/19/99	Analyte		7.890	454	177.82	bb	
34	060999034	tox120, rbl02229-250ppb-cc4	QC	299.00	7.980	902	364.29	bb	22
35	060999035	methanol blank	Analyte						
36	060999036	tox120, 61M-G4, 4/19/99	Analyte		7.772	90	26.60	MM	
37	060999037	tox120, 62M-G4, 4/19/99	Analyte		7.861	101	31.10	bb	
38	060999038	tox120, 63M-G4, 4/19/99	Analyte		8.024	26	0.00	MM	
39	060999039	tox120, rbl02229-250ppb-cc5	QC	299.00	8.008	857	345.38	MM	16
40	060999040	methanol blank	Analyte						
41	060999041	tox120, 169F-G5, 2/22/99	Analyte						
42	060999042	tox120, 170F-G5, 2/22/99	Analyte						
43	060999043	tox120, 171F-G5, 2/22/99	Analyte						
44	060999044	tox120, rbl02229-250ppb-cc6	QC	299.00	7.975	851	343.21	MM	15
45	060999045	methanol blank	Analyte						
46	060999046	tox120, 173F-G5, 2/22/99	Analyte						
47	060999047	tox120, 174F-G5, 2/22/99	Analyte						
48	060999048	tox120, 175F-G5, 2/22/99	Analyte						
49	060999049	tox120, rbl02229-250ppb-cc7	QC	299.00	7.983	860	346.71	MM	16
50	060999050	methanol blank	Analyte						
51	060999051	tox120, 73M-G5, d250, 4/19/99	Analyte						
52	060999052	tox120, 74M-G5, d250, 4/19/99	Analyte						
53	060999053	tox120, 75M-G5, d250, 4/19/99	Analyte						
54	060999054	tox120, rbl02229-250ppb-cc8	QC	299.00	7.995	772	310.28	bb	4
55	060999055	methanol blank	Analyte						
56	060999056	tox120, rbl02229-H2Oblk-2	Analyte						
57	060999057	tox120, rbl02229-Liverblk-2	Analyte						
58	060999058	tox120, rbl02229-5ppb-2	Standard	5.99	7.993	10	0.00	bb	-100
59	060999059	tox120, rbl02229-10ppb-2	Standard	12.00					
60	060999060	tox120, rbl02229-25ppb-2	Standard	29.90	8.012	108	34.15	bb	14
61	060999061	tox120, rbl02229-50ppb-2	Standard	59.90	8.000	189	67.59	MM	13
62	060999062	tox120, rbl02229-100ppb-2	Standard	120.00	7.901	343	132.02	bb	10
63	060999063	tox120, rbl02229-250ppb-2	Standard	299.00	7.997	841	338.80	bb	13
64	060999064	tox120, rbl02229-500ppb-2	Standard	599.00	8.008	1553	635.01	bb	6
65	060999065	tox120, rbl02229-750ppb-2	Standard	898.00	8.033	2282	938.13	bb	4
66	060999066	tox120, rbl02229-1000ppb-2	Standard	1198.00	8.009	3931	1623.95	MMX	36

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BACK TO MAIN

Quantify Compound Summary Report
tox120, and pfhs

Sample List: C:\MASSLYNX\amalia-rats.PRO\SampleDB\060999a
Last modified: Thu Jun 10 07:02:09 1999
Method: C:\MASSLYNX\amalia-rats.PRO\MethDB\060999a
Last modified: Thu Jun 10 06:47:27 1999
Job Code:

Printed: Thu Jun 10 07:12:23 1999

Compound 2: PFHS

#	Name	Samplelist Text	Type	Std Conc	RT	Area	Conc.	Flags	%Dev
1	060999001	methanol blank	Analyte						
2	060999002	methanol blank	Analyte						
3	060999003	tox120, rb102229-H2Oblk-1	Analyte						
4	060999004	tox120, rb102229-Liverblk-1	Analyte		9.010	10	10.99	bb	
5	060999005	tox120, rb102229-5ppb-1	Standard	5.99	9.038	52	55.63	bbX	829
6	060999006	tox120, rb102229-10ppb-1	Standard	12.00	9.165	23	24.36	bbX	103
7	060999007	tox120, rb102229-25ppb-1	Standard	29.90	9.151	32	34.43	bb	15
8	060999008	tox120, rb102229-50ppb-1	Standard	59.90	9.092	61	65.12	bb	9
9	060999009	tox120, rb102229-100ppb-1	Standard	120.00	9.047	122	130.34	bb	9
10	060999010	tox120, rb102229-250ppb-1	Standard	299.00	9.045	315	338.56	bb	13
11	060999011	tox120, rb102229-500ppb-1	Standard	599.00	9.024	576	618.51	MM	3
12	060999012	tox120, rb102229-750ppb-1	Standard	898.00	9.038	915	982.81	bb	9
13	060999013	tox120, rb102229-1000ppb-1	Standard	1198.00	9.043	1189	1277.01	bb	7
14	060999014	methanol blank	Analyte						
15	060999015	tox120, 106F-G1-250ppb-ms, 2/22/99	Analyte		9.055	245	263.40	bb	
16	060999016	tox120, 106F-G1-250ppb-msd, 2/22/99	Analyte		9.026	271	291.19	bb	
17	060999017	tox120, 3M-G1-250ppb-ms, 4/19/99	Analyte		9.038	329	353.29	bb	
18	060999018	tox120, 3M-G1-250ppb-msd, 4/19/99	Analyte		9.043	364	391.19	bb	
19	060999019	tox120, rb102229-250ppb-cc1	QC	299.00	9.048	299	320.77	bb	7
20	060999020	methanol blank	Analyte						
21	060999021	tox120, 153F-G4, 2/22/99	Analyte						
22	060999022	tox120, 154F-G4, 2/22/99	Analyte						
23	060999023	tox120, 155F-G4, 2/22/99	Analyte						
24	060999024	tox120, rb102229-250ppb-cc2	QC	299.00	9.051	264	283.24	bb	-5
25	060999025	methanol blank	Analyte						
26	060999026	tox120, 157F-G4, 2/22/99	Analyte						
27	060999027	tox120, 158F-G4, 2/22/99	Analyte						
28	060999028	tox120, 159F-G4, 2/22/99	Analyte						
29	060999029	tox120, rb102229-250ppb-cc3	QC	299.00	9.021	340	364.83	bb	22
30	060999030	methanol blank	Analyte						
31	060999031	tox120, 57M-G4, 4/19/99	Analyte		9.057	82	87.81	bb	
32	060999032	tox120, 58M-G4, 4/19/99	Analyte		9.032	116	124.26	bb	
33	060999033	tox120, 59M-G4, 4/19/99	Analyte		9.031	162	173.67	MM	
34	060999034	tox120, rb102229-250ppb-cc4	QC	299.00	9.041	281	301.62	bb	1
35	060999035	methanol blank	Analyte						
36	060999036	tox120, 61M-G4, 4/19/99	Analyte		9.058	37	40.10	bb	
37	060999037	tox120, 62M-G4, 4/19/99	Analyte		9.031	62	66.04	MM	
38	060999038	tox120, 63M-G4, 4/19/99	Analyte		9.052	67	71.93	bb	
39	060999039	tox120, rb102229-250ppb-cc5	QC	299.00	9.068	269	288.63	bb	-3
40	060999040	methanol blank	Analyte						
41	060999041	tox120, 169F-G5, 2/22/99	Analyte		9.074	285	305.44	MM	
42	060999042	tox120, 170F-G5, 2/22/99	Analyte		9.050	230	246.44	bb	
43	060999043	tox120, 171F-G5, 2/22/99	Analyte		9.068	251	269.60	bb	
44	060999044	tox120, rb102229-250ppb-cc6	QC	299.00	9.061	250	268.68	bb	-10
45	060999045	methanol blank	Analyte						
46	060999046	tox120, 173F-G5, 2/22/99	Analyte		9.042	41	43.75	MM	
47	060999047	tox120, 174F-G5, 2/22/99	Analyte		9.065	26	28.12	bb	
48	060999048	tox120, 175F-G5, 2/22/99	Analyte		9.060	48	51.37	bb	
49	060999049	tox120, rb102229-250ppb-cc7	QC	299.00	9.069	246	263.66	bb	-12
50	060999050	methanol blank	Analyte						
51	060999051	tox120, 73M-G5, d250, 4/19/99	Analyte		9.055	1034	1109.87	bb	
52	060999052	tox120, 74M-G5, d250, 4/19/99	Analyte		9.072	802	861.06	bb	
53	060999053	tox120, 75M-G5, d250, 4/19/99	Analyte		9.053	884	949.18	bb	
54	060999054	tox120, rb102229-250ppb-cc8	QC	299.00	9.084	223	239.59	bb	-20
55	060999055	methanol blank	Analyte						
56	060999056	tox120, rb102229-H2Oblk-2	Analyte						
57	060999057	tox120, rb102229-Liverblk-2	Analyte						
58	060999058	tox120, rb102229-5ppb-2	Standard	5.99					
59	060999059	tox120, rb102229-10ppb-2	Standard	12.00					
60	060999060	tox120, rb102229-25ppb-2	Standard	29.90	9.099	30	32.40	bb	8
61	060999061	tox120, rb102229-50ppb-2	Standard	59.90	9.060	56	59.84	bb	0
62	060999062	tox120, rb102229-100ppb-2	Standard	120.00	9.101	112	120.41	bb	0
63	060999063	tox120, rb102229-250ppb-2	Standard	299.00	9.082	261	280.16	bb	-6
64	060999064	tox120, rb102229-500ppb-2	Standard	599.00	9.069	479	514.12	bb	-14
65	060999065	tox120, rb102229-750ppb-2	Standard	898.00	9.064	741	795.99	bb	-11
66	060999066	tox120, rb102229-1000ppb-2	Standard	1198.00	9.096	1079	1157.88	bb	-3

Amalia 062498: quantiated and printed by hoj 6/10/99

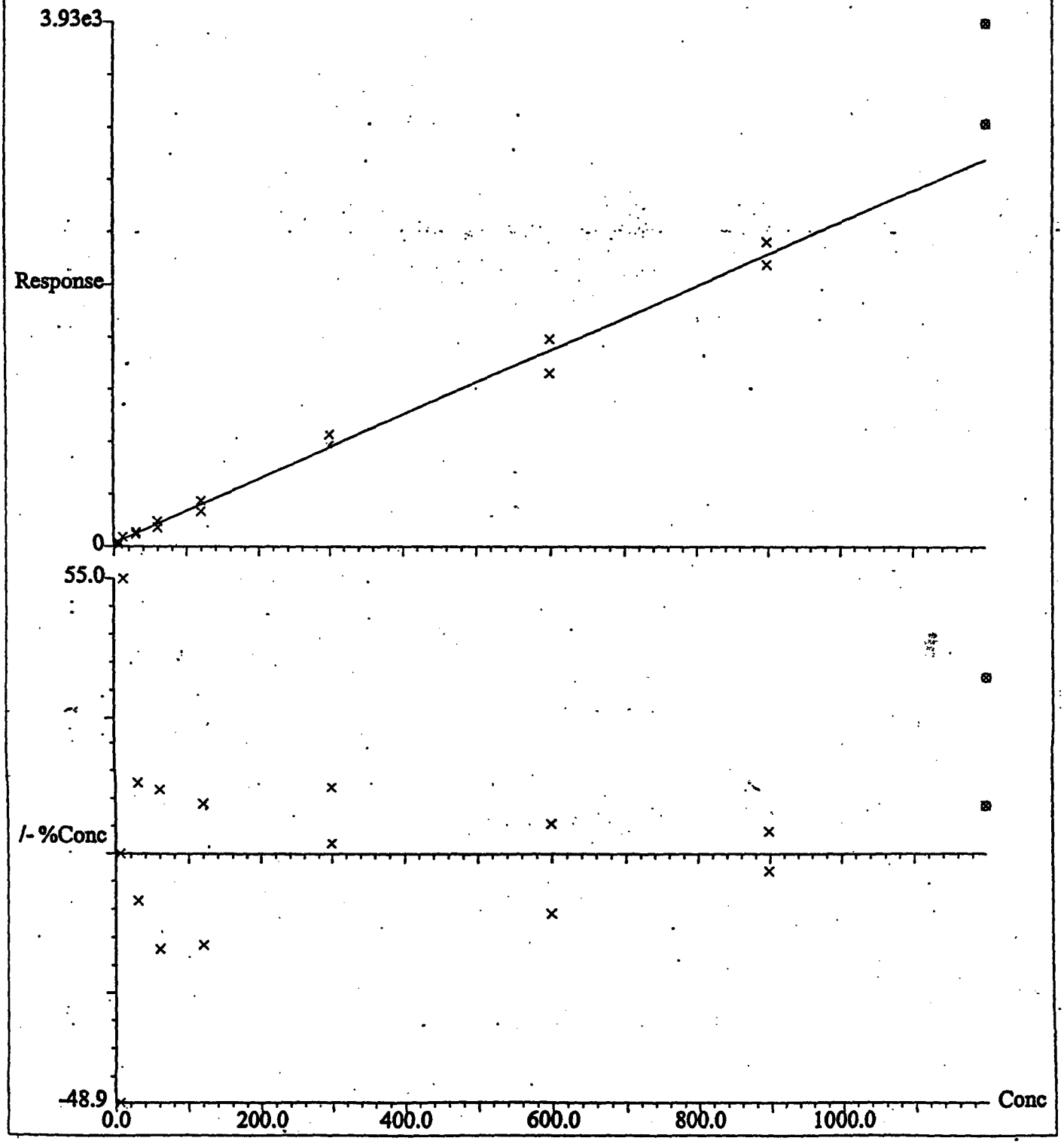
BACK TO MAIN

(8b) 6/6/99 2 Reps

Quantify Calibration Report
tox120, and pfhs

Calibration: C:\MASSLYNX\amalia-rmts.PRO\CurveDB\060999a
Last modified: Thu Jun 10 07:11:17 1999
Printed: Thu Jun 10 07:12:25 1999

Compound 1 name:
Correlation coefficient: r = 0.996081, r^2 = 0.992178
Calibration curve: 2.40466 * x + 26.0251
Response type: External Std, Area
Curve type: Linear, Origin: Exclude, Weighting: Null, Axis trans: None



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