**NUS CORPORATION AND SUBSIDIARIES** 8807-15-410 **TELECON NOTE** ORIGINAL (Red)

| CONTROL NO: | DATE: 2/16/89 | TIME: 4:00 PM |
|---|---|---|

DISTRIBUTION:

HIGHWAY MATERIALS PLANT
#61 G.C.S.Co.

| BETWEEN: | OF: | PHONE: |
|---|---|---|
| VON REEDY | G.C.S.Co. | 215 |

AND:

RICH POMEROY

DISCUSSION:

Bradford Hills Quarries purchased property in 1954 from Trego Company. Trego quarried the area as far back as the 1940's, prior to which little is known although the area was likely undeveloped. G.C.S.Co. bought the property in 1967. General Crushed Stone was taken over by Koppers Co. Inc. in 1971. Koppers was taken over by BEAZER P.L.C. (private limited corporation) of London England in 1988.

ACTION ITEMS:

Richard Pomeroy 2/16/89

NUS 067 REVISED 0685

**NUS CORPORATION AND SUBSIDIARIES** 8807-15-38 **TELECON NOTE**

| CONTROL NO: | DATE: 2/14/89 | TIME: 2:30 PM |
|---|---|---|

ORIGINAL (Red)

DISTRIBUTION: G.C.S.C.

| BETWEEN: RECEPTIONIST | OF: GENERAL CRUSHED STONE | PHONE: ( ) |
|---|---|---|

AND: R. POMEROY

DISCUSSION:

I called for Reedy to obtain some additional background info. on the site but I was told he would be out of town until Thursday 2/16/89.

Richard Pomeroy
2/14/89

ACTION ITEMS:

NUS 067 REVISED 0685

**NUS CORPORATION AND SUBSIDIARIES** 8807-15-37 **TELECON NOTE** ORIGINAL (Red)

| CONTROL NO: | DATE: 1/4/89 | TIME: 1:45 PM |
|---|---|---|

**DISTRIBUTION:**

HMP #6 - GCS

| BETWEEN: | OF: | PHONE: |
|---|---|---|
| JON REEDY | GENERAL CRUSHED STONE | (215) |

**AND:**

RICHARD POMEROY

**DISCUSSION:**

I returned Mr. Reedy's call of 1/3/89. He asked about the status of our report on the Downingtown Facility - I told him we had not received ~~out~~ all of our laboratory data yet. I told Mr. Reedy that I would notify him when the draft report was submitted to EPA.

Richard Pomeroy
1/4/89

**ACTION ITEMS:**

NUS 067 REVISED 0685

**NUS CORPORATION AND SUBSIDIARIES** 8807-15-36 **TELECON NOTE** ORIGINAL (Red)

| CONTROL NO: | DATE: 9/6/88 | TIME: 11:00 AM |
|---|---|---|

**DISTRIBUTION:**
HIGHWAY MATERIALS PLANT #6

| BETWEEN: | OF: | PHONE: |
|---|---|---|
| BARBARA BISH | PA DER NORRISTOWN | ( ) |

**AND:**
RICHARD POMEROY

**DISCUSSION:**
Ms. Bish returned my call regarding a file review for HMP#6. She was interested in information regarding a sample removed from a waste truck that was spraying for dust suppression on General Crushed Stone property. According to Ms. Bish the file only contains a preliminary assessment (which I already have), no sample results are in her custody. Ms. Bish gave me the number of Bruce Beitler who took the sample on Oct. 24, 1979. 270-1948, 9.

Richard J Pomeroy 9/6/88

**ACTION ITEMS:**

NUS 067 REVISED 0685

R-585-8-8-52

ORIGINAL (Red)

# SITE VISIT SUMMARY REPORT
# FOR
# HIGHWAY MATERIALS PLANT NO. 6
# PREPARED UNDER

TDD NO. F3-8807-15
EPA NO. PA-1250
CONTRACT NO. 68-01-7346

FOR THE

HAZARDOUS SITE CONTROL DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

AUGUST 30, 1988

NUS CORPORATION
SUPERFUND DIVISION


| SUBMITTED BY | REVIEWED BY | APPROVED BY |
|---|---|---|
| Richard J Pomeroy | Paul Dietrich | Thomas W Fromm |
| RICHARD POMEROY | PAUL DIETRICH | THOMAS FROMM |
| GEOLOGIST | ENVIRONMENTAL SCIENTIST | ASSISTANT MANAGER |

# 1.0 FIELD TRIP REPORT

## 1.1 Summary

ORIGINAL (Red)

On Thursday, August 11, 1988, Richard Pomeroy, Paul Dietrich, Steven Donohue, Janis Hottinger, Kevin Coston, and Susan Keller visited the Highway Materials Plant No. 6 and General Crushed Stone Company facility located in Downingtown, Pennsylvania. FIT 3 was accompanied by Jon Reedy, assistant safety director for General Crushed Stone Company, and Tony Demassi, operations manager for General Crushed Stone Company. The FIT also met with William Smith, the safety director for Highway Materials, Incorporated. Permission for access and permission to take photographs were granted by Mr. Reedy. While the FIT was on site, the weather was hot and very humid with hazy skies. Temperatures ranged from 90°F to 95°F.

Seven aqueous, three sediment, and four solid samples were obtained on site. Two off-site home well samples were obtained.

Deviations from the Sampling Plan

- There were no deviations from the approved sampling plan.

## 1.2 Persons Contacted

### 1.2.1 Prior to Field Trip

Jon Reedy
Assistant Safety Director
General Crushed Stone Company
P.O. Box 231
Easton, PA 18042
(215) 253-4271

Paul Racette
Site Investigation Officer
U.S. EPA
841 Chestnut Building
Ninth and Chestnut Streets
Philadelphia, PA 19107
(215) 597-1073

Gary Molder
Pennsylvania Department of
Environmental Resources
Project Area Officer
625 Cherry Street
Reading, PA 19602
(215) 378-4175

8807-15-42 & Pomeroy 8807-15

ORIGINAL (Red)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
CENTRAL REGIONAL LABORATORY
839 BESTGATE ROAD
ANNAPOLIS, MARYLAND 21401
(301) 266-9180

DATE : November 16, 1988

SUBJECT: Organic Data Validation for the Highway Materials Site Case 10138

FROM : Diana Baldi
Chemist (3ES23)

TO : Paul Racette
Regional Project Manager (3HW23)

Thru: Pat Krantz
Chief, QA Section (3ES23)

Attached is the organic data review for the Highway Materials Site (Case 10138) completed by the Region III Environmental Services Assistance Team (ESAT) contractor under the direction of Region III ESD.

If you have questions regarding this review, please call me.

Attachment

cc:Brad Smity, Del. Dept of Air & Waste Management
File: TID 03881001

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
CENTRAL REGIONAL LABORATORY
839 BESTGATE ROAD
ANNAPOLIS, MARYLAND 21401
(301) 266-9180

ORIGINAL
(Red)

DATE : 10/27/88

SUBJECT: Region III CLP Data QA Review

FROM : Patricia J. Krantz (3ES23)
Chief, Quality Assurance, Region III

TO : Carla Dempsey (OS-230)
QAO, AOB

Attached is a Region III CLP Data Review done by Weston reviewers under the ESAT contract:

Case No.: 10138

Sitename: Highway Materials

Laboratory: Compu Chem

Reviewer: Julia Dixon

Attachment

cc: EPA Site RPM
Gareth Pearson, EMSL-LV
Regional DPO: Tom Bennett, Jr. Region IV

ORIGINAL
(Red)

WESTON
MANAGERS DESIGNERS/CONSULTANTS

ESAT PROJECT
SUITE 300
2568 RIVA ROAD
ANNAPOLIS, MD 21401

**DATE:** November 15, 1988

**SUBJECT:** Organic Data Validation for Case 10138
Site: Highway Materials

**FROM:** Julie Dixon
Organic Data Reviewer

Albert T.Ellis ATE
Senior Org. Data Reviewer

**TO:** Diana J. Baldi
ESAT Deputy Project Officer

**THRU:** Charles Matkovich CM
ESAT Team Manager

## Overview

Case 10138 consisted of eleven (11) water samples and eight (8) soil samples for full organic analysis. This nineteen (19) sample case contained two (2) duplicate sample pairs plus one (1) blank which was for volatile analysis only. All samples were analyzed as a Contract Laboratory Program (CLP) Routine Analytical Service. (RAS)

## Summary

Instrument and method sensitivities were adequate for the detection of all target compounds with the exception of 2-butanone in all samples.

## Major Problem

- The response factors for 2-butanone were less than 0.05 in all continuing calibrations. Positive results have been qualified "L" and quantitation limits "R" for 2-butanone in affected samples.

## Minor Problems

- Several compounds exceeded the precision criteria for the continuing calibration standards in the volatile and semivolatile fractions. These compounds and the affected samples are listed in Table II of Appendix F. Positive results have been qualified "J" and quantitation limits "UJ" for these compounds in associated samples.

- In the original analysis and reextraction/reanalysis of sample CN787, two semivolatile internal standard areas exceeded the acceptable limits. Results are recorded from the original analysis. All associated positive results within this sample have been qualified "J" and quantitation limits "UJ" on the data summary forms. (See also Form VIIIs in Appendix F).

**Notes**

- The highest concentration of compounds found in a method or trip blank are listed below. Positive results for common laboratory contaminants that were less than ten times (<10X) and uncommon contaminants that were less than five times (<5X) the method blank levels were qualified "B" on the data summary forms.

| Compound | Concentration |
|---|---|
| methylene chloride * | 8 ug/kg |
| acetone * | 26 ug/kg |
| 2-hexanone | 3J ug/kg |

* = common laboratory contaminant

- Only the soil matrix field duplicate pair yielded data that was usable for comparison. Precision estimates for these analyses are found in table II of Appendix F.

- The reported tentatively identified compounds (TIC) of Appendix D have been reviewed and corrected during data validation.

- Since traffic reports were not included with this data package the sample location information could not be completed on the data summary forms.

- The laboratory reported benzo(b)fluoranthene and benzo(k)fluoranthene as co-eluting in samples CN396 and CN397. Only the benzo(b) isomer is present in these samples since the coelution problem was not present in the calibration standard. (See Data Summary Forms in Appendix B).

All data for this case were reviewed in accordance with the Functional Guidelines for Evaluating Organic Analyses with Modifications for Use Within Region III. The text of this report addresses only those problems affecting usability.

ORIGINAL (Red)

WESTON



**Attachments**

1) Appendix A - Glossary of Data Qualifiers
2) Appendix B - Data Summary. These include:
   (a) All positive results for target compounds with qualifier flags where applicable.
   (b) All unusable detection limits (qualified "R").
3) Appendix C - Results as Reported by the Laboratory for All Target Compounds
4) Appendix D - Reviewed and Corrected Tentatively Identified Compounds
5) Appendix E - DPO Report for Contractual Compliance
6) Appendix F - Support Documentation

GLOSSARY OF DATA QUALIFIER CODES (ORGANIC)

ORIGINAL (Red)

CODES RELATING TO IDENTIFICATION
(confidence concerning presence or absence of compounds):

U = Not detected. The associated number indicates approximate sample concentration necessary to be detected.

(NO CODE) = Confirmed identification.

B = Not detected substantially above the level reported in laboratory or field blanks.

R = Unreliable result. Analyte may or may not be present in the sample. Supporting data necessary to confirm result.

N = Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling efforts.

CODES RELATED TO QUANTITATION
(can be used for both positive results and sample quantitation limits):

J = Analyte present. Reported value may not be accurate or precise.

K = Analyte present. Reported value may be biased high. Actual value is expected to be lower.

L = Analyte present. Reported value may be biased low. Actual value is expected to be higher.

UJ = Not detected, quantitation limit may be inaccurate or imprecise.

UL = Not detected, quantitation limit is probably higher.

OTHER CODES

Q = No analytical result.

ORIGINAL
(Red)

# Appendix A

## Glossary of Data Qualifiers

WESTON

ORIGINAL
(Red)

# Appendix B

## Data Summary

# DATA SUMMARY FORM: V O L A T I L E S 1

Site Name: Highway Materials

Case #: 10138 Sampling Date: Shipped 11-88

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit: (CRQL * Dilution Factor) / ((100-% moisture)/100)

| | Sample No. | CN396 | | CN397 | | CN398 | | CN399 | | CN400 | | CN401 | | CN787 | | CN788 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | | |
| | % Moisture | 47 | | 29 | | 34 | | 33 | | 1 | | 13 | | 17 | | 6 | | | |
| | Location | | | | | | | | | | | | | | | | | | |
| CRQL | COMPOUND | | | | | | | | | | | | | | | | | | |
| 10 | Chloromethane | | | | | | | | | | | | | | | | | | |
| 10 | Bromomethane | | | | | | | | | | | | | | | | | | |
| 10 | Vinyl Chloride | | | | | | | | | | | | | | | | | | |
| 10 | Chloroethane | | | | | | | | | | | | | | | | | | |
| 5 | Methylene Chloride | 26 | B | 110 | B | x | B | 31 | B | 19 | B | 41 | B | 30 | B | 14 | B | | |
| 10 | Acetone | | | 170 | B | 48 | B | 38 | B | 18 | B | 47 | B | 43 | B | 11 | B | | |
| 5 | Carbon Disulfide | | | | | | | | | | | | | | | | | | |
| 5 | 1,1-Dichloroethene | | | | | | | | | | | | | | | | | | |
| 5 | 1,1-Dichloroethane | | | | | | | | | | | | | | | | | | |
| 5 | Total-1,2-Dichloroethene | | | | | | | | | | | | | | | | | | |
| 5 | Chloroform | 5 | J | 3 | J | 2 | J | 3 | J | | | | | | | | | | |
| 5 | 1,2-Dichloroethane | | | | | | | | | | | | | | | | | | |
| 10 | 2-Butanone | | R | | R | | R | | R | | R | | R | | R | | R | | |
| 5 | 1,1,1-Trichloroethane | | | | | | | | | | | | | | | | | | |
| 5 | Carbon Tetrachloride | | | | | | | | | | | | | | | | | | |
| 10 | Vinyl Acetate | | | | | | | | | | | | | | | | | | |
| 5 | Bromodichloromethane | | | | | | | | | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL

# DATA SUMMARY FORM: V O L A T I L E S 2

Site Name: Highway 17 Materials

SOIL SAMPLES (ug/Kg)

Case #: 10138 Sampling Date: August 18-11

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100-% moisture)/100)

| | Sample No. | CN396 | | CN397 | | CN398 | | CN399 | | CN400 | | CN401 | | CN787 | | CN788 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | | |
| | % Moisture | 47 | | 29 | | 34 | | 23 | | 1 | | 13 | | 17 | | 6 | | | |
| | Location | | | | | | | | | | | | | | | | | | |
| CRQL | COMPOUND | | | | | | | | | | | | | | | | | | |
| 5 | 1,2-Dichloropropane | | | | | | | | | | | | | | | | | | |
| 5 | Cis-1,3-Dichloropropene | | | | | | | | | | | | | | | | | | |
| 5 | Trichloroethene | | | | | | | | | | | | | | | | | | |
| 5 | Dibromochloromethane | | | | | | | | | | | | | | | | | | |
| 5 | 1,1,2-Trichloroethane | | | | | | | | | | | | | | | | | | |
| 5 | Benzene | 2 | J | | | | | | | | | | | | | | | | |
| 5 | Trans-1,3-Dichloropropene | | | | | | | | | | | | | | | | | | |
| 5 | Bromoform | | | | | | | | | | | | | | | | | | |
| 10 | 4-Methyl-2-pentanone | | | | | | | | | | | | | | | | | | |
| 10 | 2-Hexanone | | | | | | | | | | | | | | | | | | |
| 5 | Tetrachloroethene | | | | | | | | | | | | | | | | | | |
| 5 | 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | | | | | | |
| 5 | Toluene | | | | | | | | | | | | | | | | | | |
| 5 | Chlorobenzene | | | | | | | | | | | | | | | | | | |
| 5 | Ethylbenzene | | | | | | | | | | | | | | | | | | |
| 5 | Styrene | | | | | | | | | | | | | | | | | | |
| 5 | Total Xylenes | | | | | | | | | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL (Red)

# DATA SUMMARY FORM: B N A S 1

Site Name: Highway Materials

SOIL SAMPLES (ug/Kg)

Case #: 10138 Sampling Date: Started 8/11/88

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100-% moisture)/100)

| | Sample No. | CN396 | | CN397 | | CN398 | | CN399 | | CN400 | | CN401 | | CN787 | | CN788 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | | |
| | % Moisture | 47 | | 29 | | 34 | | 23 | | 1 | | 13 | | 17 | | 6 | | | |
| | Location | | | | | | | | | | | | | | | | | | |
| CRQL | COMPOUND | | | | | | | | | | | | | | | | | | |
| 330 | Phenol | | | | | | | | | | | | | | UJ | | | | |
| 330 | bis(2-Chloroethyl)ether | | | | | | | | | | | | | | UJ | | | | |
| 330 | 2-Chlorophenol | | | | | | | | | | | | | | UJ | | | | |
| 330 | 1,3-Dichlorobenzene | | | | | | | | | | | | | | UJ | | | | |
| 330 | 1,4-Dichlorobenzene | | | | | | | | | | | | | | UJ | | | | |
| 330 | Benzyl Alcohol | | | | | | | | | | | | | | UJ | | | | |
| 330 | 1,2-Dichlorobenzene | | | | | | | | | | | | | | UJ | | | | |
| 330 | 2-Methylphenol | | | | | | | | | | | | | | UJ | | | | |
| 330 | bis(2-Chloroisopropyl)ether | | | | | | | | | | | | | | UJ | | | | |
| 330 | 4-Methylphenol | | | | | | | | | | | | | | UJ | | | | |
| 330 | N-Nitroso-di-n-propylamine | | | | | | | | | | | | | | UJ | | | | |
| 330 | Hexachloroethane | | | | | | | | | | | | | | UJ | | | | |
| 330 | Nitrobenzene | | | | | | | | | | | | | | UJ | | | | |
| 330 | Isophorone | | | | | | | | | | | | | | UJ | | | | |
| 330 | 2-Nitrophenol | | | | | | | | | | | | | | UJ | | | | |
| 330 | 2,4-Dimethylphenol | | | | | | | | | | | | | | UJ | | | | |
| 1600 | Benzoic Acid | 2700 | J | 90 | J | | | 120 | J | | | | | | UJ | | | | |
| 330 | bis(2-Chloroethoxy)methane | | | | | | | | | | | | | | UJ | | | | |
| 330 | 2,4-Dichlorophenol | | | | | | | | | | | | | | UJ | | | | |
| 330 | 1,2,4-Trichlorobenzene | | | | | | | | | | | | | | UJ | | | | |
| 330 | Naphthalene | | | | | | | | | | | | | | UJ | | | | |
| 330 | 4-Chloroaniline | | | | | | | | | | | | | | UJ | | | | |

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL (Red)

# DATA SUMMARY FORM: B N A S 2

Site Name: Highway Materials

Case #: 10138 Sampling Date: Shipped 8/11/88

SOIL SAMPLES (ug/Kg)

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100-% moisture)/100)

| CRQL | COMPOUND | CN396 | CN397 | CN398 | CN399 | CN400 | CN401 | CN787 | CN788 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | % Moisture | 17 | 29 | 34 | 23 | 1 | 13 | 17 | 6 | |
| | Location | | | | | | | | | |
| 330 | Hexachlorobutadiene | | | | | | | UJ | | |
| 330 | 4-Chloro-3-methylphenol | | | | | | | UJ | | |
| 330 | 2-Methylnaphthalene | | | | | | | UJ | | |
| 330 | Hexachlorocyclopentadiene | | | | | | | UJ | | |
| 330 | 2,4,6-Trichlorophenol | | | | | | | UJ | | |
| 1600 | 2,4,5-Trichlorophenol | | | | | | | UJ | | |
| 330 | 2-Chloronaphthalene | | | | | | | UJ | | |
| 1600 | 2-Nitroaniline | | | | | | | UJ | | |
| 330 | Dimethyl_phthalate | | | | | | | UJ | | |
| 330 | Acenaphthylene | | | | | | | UJ | | |
| 330 | 2,6-Dinitrotoluene | | | | | | | UJ | | |
| 1600 | 3-Nitroaniline | | | | | | | UJ | | |
| 330 | Acenaphthene | | | | | | | UJ | | |
| 1600 | 2,4-Dinitrophenol | | | | | | | UJ | | |
| 1600 | 4-Nitrophenol | | | | | | | UJ | | |
| 330 | Dibenzofuran | | | | | | | UJ | | |
| 330 | 2,4-Dinitrotoluene | | | | | | | UJ | | |
| 330 | Diethylphthalate | 170 J | | | | | | UJ | | |
| 330 | 4-Chlorophenyl phenylether | | | | | | | UJ | | |
| 330 | Fluorene | | | | | | | UJ | | |
| 1600 | 4-Nitroaniline | | | | | | | UJ | | |
| 1600 | 4,6-Dinitro-2-methylphenol | | | | | | | UJ | | |

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL

# DATA SUMMARY FORM: B N A S 3

Site Name: Highway 12 Materials

SOIL SAMPLES (ug/Kg)

Case #: 10138 Sampling Date: Shipped 8/11/88

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100-% moisture)/100)

| | Sample No. | CN396 | | CN397 | | CN398 | | CN399 | | CN400 | | CN401 | | CN787 | | CN788 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| | % Moisture | 47 | | 29 | | 34 | | 23 | | 1 | | 13 | | 17 | | 6 | |
| | Location | | | | | | | | | | | | | | | | |
| RDL | COMPOUND | | | | | | | | | | | | | | | | |
| 330 | N-Nitrosodiphenylamine | 93 | J | | | | | | | | | | | | | | |
| 330 | 4-Bromophenyl phenylether | | | | | | | | | | | | | | | | |
| 330 | Hexachlorobenzene | | | | | | | | | | | | | | | | |
| 1600 | Pentachlorophenol | | | | | | | | | | | | | | | | |
| 330 | Phenanthrene | 550 | J | | | | | | | | | | | | | | |
| 330 | Anthracene | 68 | J | | | | | | | | | | | | | | |
| 330 | Di-n-butylphthalate | 790 | | | | | | | | 38 | J | 40 | J | | | | |
| 330 | Fluoranthene | 340 | J | 61 | J | | | | | | | | | 60 | | | |
| 330 | Pyrene | 320 | J | 59 | J | | | | | | | | | 70 | | | |
| 330 | Butylbenzylphthalate | 480 | J | | | | | | | | | | | | | | |
| 1600 | 3,3 Dichlorobenzidine | | | | | | | | | | | | | | | | |
| 330 | Benzo(a)anthracene | 110 | J | | | | | | | | | | | | | | |
| 330 | Chrysene | 210 | J | | | | | | | | | | | | | | |
| 330 | bis(2-Ethylhexyl)phthalate | 3200 | | 180 | J | | | | | | | | | | | 55 | J |
| 330 | Di-n-octyl phthalate | 230 | J | 51 | J | | | | | | | | | | | | |
| 330 | Benzo(b)fluoranthene | 180 | J | 81 | J | | | | | | | | | | | | |
| 330 | Benzo(k)fluoranthene | | | | | | | | | | | | | | | | |
| 330 | Benzo(a)pyrene | 73 | J | | | | | | | | | | | | | | |
| 330 | Indeno(1,2,3-cd)pyrene | | | | | | | | | | | | | | | | |
| 330 | Dibenz(a,h)anthracene | | | | | | | | | | | | | | | | |
| 330 | Benzo(g,h,i)perylene | | | | | | | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL (Red)

# DATA SUMMARY FORM: PESTICIDES AND PCBS

Site Name: Highway Materials

SOIL SAMPLES (ug/Kg)

Case #: 10138 Sampling Date: [illegible]

To calculate sample quantitation limit:
(CRQL * Dilution Factor) / ((100-% moisture)/100)

| | Sample No. | CN396 | CN397 | CN398 | CN399 | CN400 | CN401 | CN787 | CN788 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | % Moisture | 41 | 29 | 31 | 23 | 1 | 13 | 17 | 6 | |
| | Location | | | | | | | | | |
| CRQL | COMPOUND | | | | | | | | | |
| 8 | alpha-BHC | 17 | | | | | | | | |
| 8 | beta-BHC | | | | | | | | | |
| 8 | delta-BHC | | | | | | | | | |
| 8 | Gamma-BHC (Lindane) | | | | | | | | | |
| 8 | Heptachlor | | | | | | | | | |
| 8 | Aldrin | | | | | | | | | |
| 8 | Heptachlor Epoxide | | | | | | | | | |
| 8 | Endosulan I | | | | | | | | | |
| 16 | Dieldrin | | | | | | | | | |
| 16 | 4,4'-DDE | | | | | | | | | |
| 16 | Endrin | | | | | | | | | |
| 16 | Endosullan II | | | | | | | | | |
| 16 | 4,4'-DDD | | | | | | | | | |
| 16 | Endosullan Sulfate | | | | | | | | | |
| 16 | 4,4'-DDT | 72 | | | | | | | | |
| 80 | Methoxychlor | | | | | | | | | |
| 16 | Endrin ketone | | | | | | | | | |
| 80 | Alpha-Chlordane | | | | | | | | | |
| 80 | Gamma-Chlordane | | | | | | | | | |
| 160 | Toxaphene | | | | | | | | | |
| 80 | Aroclor-1016 | | | | | | | | | |
| 80 | Aroclor-1221 | | | | | | | | | |
| 80 | Aroclor-1232 | | | | | | | | | |
| 80 | Aroclor-1242 | | | | | | | | | |
| 80 | Aroclor-1248 | | | | | | | | | |
| 160 | Aroclor-1254 | | | | | | | | | |
| 160 | Aroclor-1260 | | | | | | | | | |

ORIGINAL (Red)

CRQL = Contract Required Quantitation Limit

SEE NARRATIVE FOR CODE DEFINITIONS

# DATA SUMMARY FORM: V O L A T I L E S 1

Site Name: Highway Materials

WATER SAMPLES (ug/L)

Case #: 10135 Sampling Date: Shipped 8/11/89

To calculate sample quantitation limit: (CRQL * Dilution Factor)

| CRQL | COMPOUND | CN514 | | CN515 | | CN516 | | CN517 | | CN569 | | CN570 | | CN571 | | CN572 | | CN789 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| | Location | | | | | | | Blank | | | | | | | | | | Blank | |
| 10 | Chloromethane | | | | | | | | | | | | | | | | | | |
| 10 | Bromomethane | | | | | | | | | | | | | | | | | | |
| 10 | *Vinyl Chloride | | | | | | | | | | | | | | | | | | |
| 10 | Chloroethane | | | | | | | | | | | | | | | | | | |
| 5 | *Methylene Chloride | 6 | B | | | | | | | 2 | B | | | 2 | B | | | 3 | B |
| 10 | Acetone | 8 | B | | | | | | | | | | | | | | | | |
| 5 | Carbon Disulfide | | | | | | | | | | | | | | | | | | |
| 5 | *1,1-Dichloroethene | | | | | | | | | | | | | | | | | | |
| 5 | 1,1-Dichloroethane | | | | | | | | | | | | | | | | | | |
| 5 | *Total-1,2-Dichloroethene | | | | | | | | | | | | | | | | | | |
| 5 | Chloroform | | | | | | | | | | | | | | | | | | |
| 5 | *1,2-Dichloroethane | | | | | | | | | | | | | | | | | | |
| 10 | *2-Butanone | | R | | R | | R | | R | | R | | R | | R | | R | | R |
| 5 | *1,1,1-Trichloroethane | | | | | | | | | | | 3 | J | | | | | | |
| 5 | *Carbon Tetrachloride | | | | | | | | | | | | | | | | | | |
| 10 | Vinyl Acetate | | | | | | | | | | | | | | | | | | |
| 5 | Bromodichloromethane | | | | | | | | | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL

# DATA SUMMARY FORM: V O L A T I L E S 2

Site Name: Highway Materials

WATER SAMPLES
(ug/L)

Case #: 10138 Sampling Date: Shipped 8/11/88

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

| | Sample No. | CN514 | | CN515 | | CN516 | | CN517 | | CN569 | | CN570 | | CN571 | | CN572 | | CN789 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | | 1 | |
| | Location | | | | | | | Blank | | | | | | | | | | Blank | |
| CRQL | COMPOUND | | | | | | | | | | | | | | | | | | |
| 5 | *1,2-Dichloropropane | | | | | | | | | | | | | | | | | | |
| 5 | Cis-1,3-Dichloropropene | | | | | | | | | | | | | | | | | | |
| 5 | Trichloroethene | | | | | | | | | 1 | J | | | | | | | | |
| 5 | Dibromochloromethane | | | | | | | | | | | | | | | | | | |
| 5 | 1,1,2-Trichloroethane | | | | | | | | | | | | | | | | | | |
| 5 | *Benzene | | | | | | | | | | | | | | | | | | |
| 5 | Trans-1,3-Dichloropropene | | | | | | | | | | | | | | | | | | |
| 5 | Bromoform | | | | | | | | | | | | | | | | | | |
| 10 | 4-Methyl-2-pentanone | | | | | | | | | | | | | | | | | | |
| 10 | 2-Hexanone | | | | | | | | | | | | | | | | | | |
| 5 | *Tetrachloroethene | | | | | | | | | | | | | | | | | | |
| 5 | 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | | | | | | |
| 5 | *Toluene | | | | | | | | | | | | | | | | | | |
| 5 | *Chlorobenzene | | | | | | | | | | | | | | | | | | |
| 5 | *Ethylbenzene | | | | | | | | | | | | | | | | | | |
| 5 | *Styrene | | | | | | | | | | | | | | | | | | |
| 5 | *Total Xylenes | | | | | | | | | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL (Red)

DATA SUMMARY FORM: B N A S 1

Site Name: Highway Materials

Case #: 10138 ~ Sampling Date: August 8/11/88

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

| | Sample No. | CN514 | | CN515 | | CN516 | | CN517 | | CN569 | | CN570 | | CN571 | | CN572 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | | |
| | Location | | | | | | | Blank | | | | | | | | | | | |
| CRQL | COMPOUND | | | | | | | | | | | | | | | | | | |
| 10 | Phenol | | | | | | | | | | | | | | | | | | |
| 10 | bis(2-Chloroethyl)ether | | | | | | | | | | | | | | | | | | |
| 10 | 2-Chlorophenol | | | | | | | | | | | | | | | | | | |
| 10 | *1,3-Dichlorobenzene | | | | | | | | | | | | | | | | | | |
| 10 | *1,4-Dichlorobenzene | | | | | | | | | | | | | | | | | | |
| 10 | Benzyl Alcohol | | | | | | | | | | | | | | | | | | |
| 10 | 1,2-Dichlorobenzene | | | | | | | | | | | | | | | | | | |
| 10 | 2-Methylphenol | | | | | | | | | | | | | | | | | | |
| 10 | bis(2-Chloroisopropyl)ether | | | | | | | | | | | | | | | | | | |
| 10 | 4-Methylphenol | | | | | | | | | | | | | | | | | | |
| 10 | N-Nitroso-di-n-propylamine | | | | | | | | | | | | | | | | | | |
| 10 | Hexachloroethane | | | | | | | | | | | | | | | | | | |
| 10 | Nitrobenzene | | | | | | | | | | | | | | | | | | |
| 10 | Isophorone | | | | | | | | | | | | | | | | | | |
| 10 | 2-Nitrophenol | | | | | | | | | | | | | | | | | | |
| 10 | 2,4-Dimethylphenol | | | | | | | | | | | | | | | | | | |
| 50 | Benzoic Acid | | | | | | | | | | | | | | | | | | |
| 10 | bis(2-Chloroethoxy)methane | | | | | | | | | | | | | | | | | | |
| 10 | 2,4-Dichlorophenol | | | | | | | | | | | | | | | | | | |
| 10 | 1,2,4-Trichlorobenzene | | | | | | | | | | | | | | | | | | |
| 10 | Naphthalene | | | | | | | | | | | | | | | | | | |
| 10 | 4-Chloroaniline | | | | | | | | | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

DATA SUMMARY FORM: B N A S 2

Site Name: Highway Materials

Case #: 10138 Sampling Date: shipped 8/11/88

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

| | Sample No. | CN514 | | CN515 | | CN516 | | CN517 | | CN569 | | CN570 | | CN571 | | CN572 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | | |
| | Location | | | | | | | Blank | | | | | | | | | | | |
| CRQL | COMPOUND | | | | | | | | | | | | | | | | | | |
| 10 | Hexachlorobutadiene | | | | | | | | | | | | | | | | | | |
| 10 | 4-Chloro-3-methylphenol | | | | | | | | | | | | | | | | | | |
| 10 | 2-Methylnaphthalene | | | | | | | | | | | | | | | | | | |
| 10 | Hexachlorocyclopentadiene | | | | | | | | | | | | | | | | | | |
| 10 | 2,4,6-Trichlorophenol | | | | | | | | | | | | | | | | | | |
| 50 | 2,4,5-Trichlorophenol | | | | | | | | | | | | | | | | | | |
| 10 | 2-Chloronaphthalene | | | | | | | | | | | | | | | | | | |
| 50 | 2-Nitroaniline | | | | | | | | | | | | | | | | | | |
| 10 | Dimethyl phthalate | | | | | | | | | | | | | | | | | | |
| 10 | Acenaphthylene | | | | | | | | | | | | | | | | | | |
| 10 | 2,6-Dinitrotoluene | | | | | | | | | | | | | | | | | | |
| 50 | 3-Nitroaniline | | | | | | | | | | | | | | | | | | |
| 10 | Acenaphthene | | | | | | | | | | | | | | | | | | |
| 50 | 2,4-Dinitrophenol | | | | | | | | | | | | | | | | | | |
| 50 | 4-Nitrophenol | | | | | | | | | | | | | | | | | | |
| 10 | Dibenzofuran | | | | | | | | | | | | | | | | | | |
| 10 | 2,4-Dinitrotoluene | | | | | | | | | | | | | | | | | | |
| 10 | Diethylphthalate | | | | | | | | | | | | | | | | | | |
| 10 | 4-Chlorophenyl-phenylether | | | | | | | | | | | | | | | | | | |
| 10 | Fluorene | | | | | | | | | | | | | | | | | | |
| 50 | 4-Nitroaniline | | | | | | | | | | | | | | | | | | |
| 50 | 4,6-Dinitro-2-methylphenol | | | | | | | | | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

DATA SUMMARY FORM: B N A S 3

Site Name: Highway Materials

WATER SAMPLES
(ug/L)

Case #: 10138 Sampling Date: Shipped 8/11/88

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

| CRDL | Sample No. | CN514 | | CN515 | | CN516 | | CN517 | | CN569 | | CN570 | | CN571 | | CN572 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | 2 | | | |
| | Location | | | | | | | Blank | | | | | | | | | | | |
| | COMPOUND | | | | | | | | | | | | | | | | | | |
| 10 | N-Nitrosodiphenylamine | | | | | | | | | | | | | | | | | | |
| 10 | 4-Bromophenyl-phenylether | | | | | | | | | | | | | | | | | | |
| 10 | *Hexachlorobenzene | | | | | | | | | | | | | | | | | | |
| 50 | *Pentachlorophenol | | | | | | | | | | | | | | | | | | |
| 10 | Phenanthrene | | | | | | | | | | | | | | | | | | |
| 10 | Anthracene | | | | | | | | | | | | | | | | | | |
| 10 | Di-n-butylphthalate | 5 | J | | | | | | | | | | | | | | | | |
| 10 | Fluoranthene | | | | | | | | | | | | | | | | | | |
| 10 | Pyrene | | | | | | | | | | | | | | | | | | |
| 10 | Butylbenzylphthalate | | | | | | | | | | | | | | | | | | |
| 20 | 3,3-Dichlorobenzidine | | | | | | | | | | | | | | | | | | |
| 10 | Benzo(a)anthracene | | | | | | | | | | | | | | | | | | |
| 10 | Chrysene | | | | | | | | | | | | | | | | | | |
| 10 | bis(2-Ethylhexyl)phthalate | | | | | | | | | | | | | | | | | | |
| 10 | Di-n-octyl phthalate | | | | | | | | | | | | | | | | | | |
| 10 | Benzo(b)fluoranthene | | | | | | | | | | | | | | | | | | |
| 10 | Benzo(k)fluoranthene | | | | | | | | | | | | | | | | | | |
| 10 | Benzo(a)pyrene | | | | | | | | | | | | | | | | | | |
| 10 | Indeno(1,2,3-cd)pyrene | | | | | | | | | | | | | | | | | | |
| 10 | Dibenz(a,h)anthracene | | | | | | | | | | | | | | | | | | |
| 10 | Benzo(g,h,i)perylene | | | | | | | | | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

# DATA SUMMARY FORM: PESTICIDES AND PCBS

Site Name: Highway 11 Materials

Case #: 10138 Sampling Date: Shipped 8/11/88

WATER SAMPLES (ug/L)

To calculate sample quantitation limit: (CRQL * Dilution Factor)

| | Sample No. | CN514 | CN515 | CN516 | CN517 | CN569 | CN570 | CN571 | CN572 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | Location | | | | Blank | | | | | |
| QL | COMPOUND | | | | | | | | | |
| .05 | alpha-BHC | | | | | | | | | |
| .05 | beta-BHC | | | | | | | | | |
| .05 | delta-BHC | | | | | | | | | |
| .05 | *Gamma-BHC (Lindane) | | | | | | | | | |
| .05 | *Heptachlor | | | | | | | | | |
| .05 | Aldrin | | | | | | | | | |
| .05 | Heptachlor Epoxide | | | | | | | | | |
| .05 | Endosulfan I | | | | | | | | | |
| .10 | Dieldrin | | | | | | | | | |
| .10 | 4,4'-DDE | | | | | | | | | |
| .10 | *Endrin | | | | | | | | | |
| .10 | Endosulfan II | | | | | | | | | |
| .10 | 4,4'-DDD | | | | | | | | | |
| .10 | Endosulfan Sulfate | | | | | | | | | |
| .10 | 4,4'-DDT | | | | | | | | 0.17 | |
| .5 | *Methoxychlor | | | | | | | | | |
| .10 | Endrin ketone | | | | | | | | | |
| .5 | *Alpha-Chlordane | | | | | | | | | |
| .5 | *Gamma-Chlordane | | | | | | | | | |
| .0 | *Toxaphene | | | | | | | | | |
| .5 | *Aroclor-1016 | | | | | | | | | |
| .5 | *Aroclor-1221 | | | | | | | | | |
| .5 | *Aroclor-1232 | | | | | | | | | |
| .5 | *Aroclor-1242 | | | | | | | | | |
| .5 | *Aroclor-1248 | | | | | | | | | |
| .0 | *Aroclor-1254 | | | | | | | | | |
| .0 | *Aroclor-1260 | | | | | | | | | |

ORIGINAL (Red)

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

DATA SUMMARY FORM: V O L A T I L E S 1

Site Name: Highway Materials

Case #: 10138 Sampling Date: Shipped 8/11/88

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

| | Sample No. | CP661 | | CP662 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | | 1 | | | | | | | | | | | | | | | |
| | Location | | | | | | | | | | | | | | | | | | |
| CRQL | COMPOUND | | | | | | | | | | | | | | | | | | |
| 10 | Chloromethane | | | | | | | | | | | | | | | | | | |
| 10 | Bromomethane | | | | | | | | | | | | | | | | | | |
| 10 | *Vinyl Chloride | | | | | | | | | | | | | | | | | | |
| 10 | Chloroethane | | | | | | | | | | | | | | | | | | |
| 5 | *Methylene Chloride | | | 4 | B | | | | | | | | | | | | | | |
| 10 | Acetone | | | 9 | B | | | | | | | | | | | | | | |
| 5 | Carbon Disulfide | | | | | | | | | | | | | | | | | | |
| 5 | *1,1-Dichloroethene | | | | | | | | | | | | | | | | | | |
| 5 | 1,1-Dichloroethane | | | | | | | | | | | | | | | | | | |
| 5 | *Total-1,2-Dichloroethene | | | | | | | | | | | | | | | | | | |
| 5 | Chloroform | | | 2 | J | | | | | | | | | | | | | | |
| 5 | *1,2-Dichloroethane | | | | | | | | | | | | | | | | | | |
| 10 | *2-Butanone | | R | | R | | | | | | | | | | | | | | |
| 5 | *1,1,1-Trichloroethane | | | | | | | | | | | | | | | | | | |
| 5 | *Carbon Tetrachloride | | | | | | | | | | | | | | | | | | |
| 10 | Vinyl Acetate | | | | | | | | | | | | | | | | | | |
| 5 | Bromodichloromethane | | | | | | | | | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

DATA SUMMARY FORM: V O L A T I L E S 2

Site Name: Highway Materials

Case #: 10138 Sampling Date: shipped 8/11/88

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

| | Sample No. | CP661 | | CP662 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | | 1 | | | | | | | | | | | | | | | |
| | Location | | | | | | | | | | | | | | | | | | |
| RQL | COMPOUND | | | | | | | | | | | | | | | | | | |
| 5 | *1,2-Dichloropropane | | | | | | | | | | | | | | | | | | |
| 5 | Cis-1,3-Dichloropropene | | | | | | | | | | | | | | | | | | |
| 5 | Trichloroethene | | | | | | | | | | | | | | | | | | |
| 5 | Dibromochloromethane | | | | | | | | | | | | | | | | | | |
| 5 | 1,1,2-Trichloroethane | | | | | | | | | | | | | | | | | | |
| 5 | *Benzene | | | | | | | | | | | | | | | | | | |
| 5 | Trans-1,3-Dichloropropene | | | | | | | | | | | | | | | | | | |
| 5 | Bromoform | | | | | | | | | | | | | | | | | | |
| 10 | 4-Methyl-2-pentanone | | | | | | | | | | | | | | | | | | |
| 10 | 2-Hexanone | | | | | | | | | | | | | | | | | | |
| 5 | *Tetrachloroethene | | | | | | | | | | | | | | | | | | |
| 5 | 1,1,2,2-Tetrachloroethane | | | | | | | | | | | | | | | | | | |
| 5 | *Toluene | | | | | | | | | | | | | | | | | | |
| 5 | *Chlorobenzene | | | | | | | | | | | | | | | | | | |
| 5 | *Ethylbenzene | | | | | | | | | | | | | | | | | | |
| 5 | *Styrene | | | | | | | | | | | | | | | | | | |
| 5 | *Total Xylenes | | | | | | | | | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL

DATA SUMMARY FORM: B N A S 1

Site Name: Highway Materials

Case #: 10138 Sampling Date: shipped 8/11/88

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

| | Sample No. | CP661 | CP662 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 2 | 2 | | | | | | | | |
| | Location | | | | | | | | | | |
| RQL | COMPOUND | | | | | | | | | | |
| 10 | Phenol | | | | | | | | | | |
| 10 | bis(2-Chloroethyl)ether | | | | | | | | | | |
| 10 | 2-Chlorophenol | | | | | | | | | | |
| 10 | *1,3-Dichlorobenzene | | | | | | | | | | |
| 10 | *1,4-Dichlorobenzene | | | | | | | | | | |
| 10 | Benzyl Alcohol | | | | | | | | | | |
| 0 | 1,2-Dichlorobenzene | | | | | | | | | | |
| 0 | 2-Methylphenol | | | | | | | | | | |
| 0 | bis(2-Chloroisopropyl)ether | | | | | | | | | | |
| 0 | 4-Methylphenol | | | | | | | | | | |
| 0 | N-Nitroso-di-n-propylamine | | | | | | | | | | |
| 0 | Hexachloroethane | | | | | | | | | | |
| 0 | Nitrobenzene | | | | | | | | | | |
| 0 | Isophorone | | | | | | | | | | |
| 0 | 2-Nitrophenol | | | | | | | | | | |
| 0 | 2,4-Dimethylphenol | | | | | | | | | | |
| 0 | Benzoic Acid | | | | | | | | | | |
| 0 | bis(2-Chloroethoxy)methane | | | | | | | | | | |
| 0 | 2,4-Dichlorophenol | | | | | | | | | | |
| 0 | 1,2,4-Trichlorobenzene | | | | | | | | | | |
| 0 | Naphthalene | | | | | | | | | | |
| 0 | 4-Chloroaniline | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL (Red)

DATA SUMMARY FORM: B N A S 2

Site Name: Highway Materials

Case #: 10134 Sampling Date: shipped 8/1/84

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

| | Sample No. | CP661 | CP662 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 2 | 2 | | | | | | | |
| | Location | | | | | | | | | |
| CRQL | COMPOUND | | | | | | | | | |
| 10 | Hexachlorobutadiene | | | | | | | | | |
| 10 | 4-Chloro-3-methylphenol | | | | | | | | | |
| 10 | 2-Methylnaphthalene | | | | | | | | | |
| 10 | Hexachlorocyclopentadiene | | | | | | | | | |
| 10 | 2,4,6-Trichlorophenol | | | | | | | | | |
| 50 | 2,4,5-Trichlorophenol | | | | | | | | | |
| 10 | 2-Chloronaphthalene | | | | | | | | | |
| 50 | 2-Nitroaniline | | | | | | | | | |
| 10 | Dimethyl phthalate | | | | | | | | | |
| 10 | Acenaphthylene | | | | | | | | | |
| 10 | 2,6-Dinitrotoluene | | | | | | | | | |
| 50 | 3-Nitroaniline | | | | | | | | | |
| 10 | Acenaphthene | | | | | | | | | |
| 50 | 2,4-Dinitrophenol | | | | | | | | | |
| 50 | 4-Nitrophenol | | | | | | | | | |
| 10 | Dibenzofuran | | | | | | | | | |
| 10 | 2,4-Dinitrotoluene | | | | | | | | | |
| 10 | Diethylphthalate | | | | | | | | | |
| 10 | 4-Chlorophenyl-phenylether | | | | | | | | | |
| 10 | Fluorene | | | | | | | | | |
| 50 | 4-Nitroaniline | | | | | | | | | |
| 50 | 4,6-Dinitro-2-methylphenol | | | | | | | | | |

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL (Red)

DATA SUMMARY FORM: B N A S 3

Site Name: Highway Materials

Case #: 10138 Sampling Date: shipped 8/11/88

WATER SAMPLES
(ug/L)

To calculate sample quantitation limit:
(CRQL * Dilution Factor)

| CRDL | COMPOUND | CP661 | CP662 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 2 | 2 | | | | | | | | |
| | Location | | | | | | | | | | |
| 10 | N-Nitrosodiphenylamine | | | | | | | | | | |
| 10 | 4-Bromophenyl-phenylether | | | | | | | | | | |
| 10 | *Hexachlorobenzene | | | | | | | | | | |
| 50 | *Pentachlorophenol | | | | | | | | | | |
| 10 | Phenanthrene | | | | | | | | | | |
| 10 | Anthracene | | | | | | | | | | |
| 10 | Di-n-butylphthalate | | | | | | | | | | |
| 10 | Fluoranthene | | | | | | | | | | |
| 10 | Pyrene | | | | | | | | | | |
| 10 | Butylbenzylphthalate | | | | | | | | | | |
| 20 | 3,3-Dichlorobenzidine | | | | | | | | | | |
| 10 | Benzo(a)anthracene | | | | | | | | | | |
| 10 | Chrysene | | | | | | | | | | |
| 10 | bis(2-Ethylhexyl)phthalate | | | | | | | | | | |
| 10 | Di-n-octyl phthalate | | | | | | | | | | |
| 10 | Benzo(b)fluoranthene | | | | | | | | | | |
| 10 | Benzo(k)fluoranthene | | | | | | | | | | |
| 10 | Benzo(a)pyrene | | | | | | | | | | |
| 10 | Indeno(1,2,3-cd)pyrene | | | | | | | | | | |
| 10 | Dibenz(a,h)anthracene | | | | | | | | | | |
| 10 | Benzo(g,h,i)perylene | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL (Red)

# DATA SUMMARY FORM: PESTICIDES AND PCBS

Site Name: Highway Materials

Case #: 10138 Sampling Date: shipped 8/11/88

WATER SAMPLES (ug/L)

To calculate sample quantitation limit: (CRQL * Dilution Factor)

| | Sample No. | CP661 | CP662 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Dilution Factor | 1 | 1 | | | | | | | | |
| | Location | | | | | | | | | | |
| CRQL | COMPOUND | | | | | | | | | | |
| 0.05 | alpha-BHC | | | | | | | | | | |
| 0.05 | beta-BHC | | | | | | | | | | |
| 0.05 | delta-BHC | | | | | | | | | | |
| 0.05 | *Gamma-BHC (Lindane) | | | | | | | | | | |
| 0.05 | *Heptachlor | | | | | | | | | | |
| 0.05 | Aldrin | | | | | | | | | | |
| 0.05 | Heptachlor Epoxide | | | | | | | | | | |
| 0.05 | Endosulfan I | | | | | | | | | | |
| 0.10 | Dieldrin | | | | | | | | | | |
| 0.10 | 4,4'-DDE | | | | | | | | | | |
| 0.10 | *Endrin | | | | | | | | | | |
| 0.10 | Endosulfan II | | | | | | | | | | |
| 0.10 | 4,4'-DDD | | | | | | | | | | |
| 0.10 | Endosulfan Sulfate | | | | | | | | | | |
| 0.10 | 4,4'-DDT | | | | | | | | | | |
| 0.5 | *Methoxychlor | | | | | | | | | | |
| 0.10 | Endrin ketone | | | | | | | | | | |
| 0.5 | *Alpha-Chlordane | | | | | | | | | | |
| 0.5 | *Gamma-Chlordane | | | | | | | | | | |
| 1.0 | *Toxaphene | | | | | | | | | | |
| 0.5 | *Aroclor-1016 | | | | | | | | | | |
| 0.5 | *Aroclor-1221 | | | | | | | | | | |
| 0.5 | *Aroclor-1232 | | | | | | | | | | |
| 0.5 | *Aroclor-1242 | | | | | | | | | | |
| 0.5 | *Aroclor-1248 | | | | | | | | | | |
| 1.0 | *Aroclor-1254 | | | | | | | | | | |
| 1.0 | *Aroclor-1260 | | | | | | | | | | |

CRQL = Contract Required Quantitation Limit * Action Level Exists SEE NARRATIVE FOR CODE DEFINITIONS

ORIGINAL
(Red)

# Appendix C

Results as Reported by the Laboratory
for All Target Compounds

ORIGINAL
(Red)

WESTON

# Appendix D

Reviewed and Corrected
Tentatively Identified Compounds

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ORIGINAL (Red)
CN398

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211905

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH011905C13

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 34 Date Analyzed: 08/17/88

Column: (pack/cap) PACK Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 15 | U |
| 74-83-9 | Bromomethane | 15 | U |
| 75-01-4 | Vinyl Chloride | 15 | U |
| 75-00-3 | Chloroethane | 15 | U |
| 75-09-2 | Methylene Chloride | 8 | B |
| 67-64-1 | Acetone | 48 | B |
| 75-15-0 | Carbon Disulfide | 8 | U |
| 75-35-4 | 1,1-Dichloroethene | 8 | U |
| 75-34-3 | 1,1-Dichloroethane | 8 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 8 | U |
| 67-66-3 | Chloroform | 2 | J |
| 107-06-2 | 1,2-Dichloroethane | 8 | U |
| 78-93-3 | 2-Butanone | 15 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 8 | U |
| 56-23-5 | Carbon Tetrachloride | 8 | U |
| 108-05-4 | Vinyl Acetate | 15 | U |
| 75-27-4 | Bromodichloromethane | 8 | U |
| 78-87-5 | 1,2-Dichloropropane | 8 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 8 | U |
| 79-01-6 | Trichloroethene | 8 | U |
| 124-48-1 | Dibromochloromethane | 8 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 8 | U |
| 71-43-2 | Benzene | 8 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 8 | U |
| 75-25-2 | Bromoform | 8 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 15 | U |
| 591-78-6 | 2-Hexanone | 15 | U |
| 127-18-4 | Tetrachloroethene | 8 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 8 | U |
| 108-88-3 | Toluene | 8 | U |
| 108-90-7 | Chlorobenzene | 8 | U |
| 100-41-4 | Ethylbenzene | 8 | U |
| 100-42-5 | Styrene | 8 | U |
| 1330-20-7 | Total Xylenes | 8 | U |

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN398
ORIGINAL
(Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211905

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GH011905A08

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 34 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/18/88

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 108-95-2 | Phenol | 490 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 490 | U |
| 95-57-8 | 2-Chlorophenol | 490 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 490 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 490 | U |
| 100-51-6 | Benzyl Alcohol | 490 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 490 | U |
| 95-48-7 | 2-Methylphenol | 490 | U |
| 39638-32-9 | bis(2-Chloroisopropyl)Ether | 490 | U |
| 106-44-5 | 4-Methylphenol | 490 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | 490 | U |
| 67-72-1 | Hexachloroethane | 490 | U |
| 98-95-3 | Nitrobenzene | 490 | U |
| 78-59-1 | Isophorone | 490 | U |
| 88-75-5 | 2-Nitrophenol | 490 | U |
| 105-67-9 | 2,4-Dimethylphenol | 490 | U |
| 65-85-0 | Benzoic Acid | 2400 | U |
| 111-91-1 | bis(2-Chloroethoxy)Methane | 490 | U |
| 120-83-2 | 2,4-Dichlorophenol | 490 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 490 | U |
| 91-20-3 | Naphthalene | 490 | U |
| 106-47-8 | 4-Chloroaniline | 490 | U |
| 87-68-3 | Hexachlorobutadiene | 490 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 490 | U |
| 91-57-6 | 2-Methylnaphthalene | 490 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 490 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 490 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2400 | U |
| 91-58-7 | 2-Chloronaphthalene | 490 | U |
| 88-74-4 | 2-Nitroaniline | 2400 | U |
| 131-11-3 | Dimethyl Phthalate | 490 | U |
| 208-96-8 | Acenaphthylene | 490 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 490 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN398 ORIGINAL (Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211905

Sample wt/vol: 30.4 (g/mL) G Lab File ID: GH011905A08

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 34 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/18/88

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 2400 | U |
| 83-32-9 | Acenaphthene | 490 | U |
| 51-28-5 | 2,4-Dinitrophenol | 2400 | U |
| 100-02-7 | 4-Nitrophenol | 2400 | U |
| 132-64-9 | Dibenzofuran | 490 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 490 | U |
| 84-66-2 | Diethylphthalate | 490 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 490 | U |
| 86-73-7 | Fluorene | 490 | U |
| 100-01-6 | 4-Nitroaniline | 2400 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 2400 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 490 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 490 | U |
| 118-74-1 | Hexachlorobenzene | 490 | U |
| 87-86-5 | Pentachlorophenol | 2400 | U |
| 85-01-8 | Phenanthrene | 490 | U |
| 120-12-7 | Anthracene | 490 | U |
| 84-74-2 | Di-n-Butylphthalate | 490 | U |
| 206-44-0 | Fluoranthene | 490 | U |
| 129-00-0 | Pyrene | 490 | U |
| 85-68-7 | Butylbenzylphthalate | 490 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 990 | U |
| 56-55-3 | Benzo(a)Anthracene | 490 | U |
| 218-01-9 | Chrysene | 490 | U |
| 117-81-7 | bis(2-Ethylhexyl)Phthalate | 490 | U |
| 117-84-0 | Di-n-Octyl Phthalate | 490 | U |
| 205-99-2 | Benzo(b)Fluoranthene | 490 | U |
| 207-08-9 | Benzo(k)Fluoranthene | 490 | U |
| 50-32-8 | Benzo(a)Pyrene | 490 | U |
| 193-39-5 | Indeno(1,2,3-cd)Pyrene | 490 | U |
| 53-70-3 | Dibenz(a,h)Anthracene | 490 | U |
| 191-24-2 | Benzo(g,h,i)Perylene | 490 | U |

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN398 ORIGINAL (Red)

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211905

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 34 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/24/88

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.00

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 12. | U |
| 319-85-7 | beta-BHC | 12. | U |
| 319-86-8 | delta-BHC | 12. | U |
| 58-89-9 | gamma-BHC (Lindane) | 12. | U |
| 76-44-8 | Heptachlor | 12. | U |
| 309-00-2 | Aldrin | 12. | U |
| 1024-57-3 | Heptachlor epoxide | 12. | U |
| 959-98-8 | Endosulfan I | 12. | U |
| 60-57-1 | Dieldrin | 24. | U |
| 72-55-9 | 4,4'-DDE | 24. | U |
| 72-20-8 | Endrin | 24. | U |
| 33213-65-9 | Endosulfan II | 24. | U |
| 72-54-8 | 4,4'-DDD | 24. | U |
| 1031-07-8 | Endosulfan sulfate | 24. | U |
| 50-29-3 | 4,4'-DDT | 24. | U |
| 72-43-5 | Methoxychlor | 120 | U |
| 53494-70-5 | Endrin ketone | 24. | U |
| 5103-71-9 | alpha-Chlordane | 120 | U |
| 5103-74-2 | gamma-Chlordane | 120 | U |
| 8001-35-2 | Toxaphene | 240 | U |
| 12674-11-2 | Aroclor-1016 | 120 | U |
| 11104-28-2 | Aroclor-1221 | 120 | U |
| 11141-16-5 | Aroclor-1232 | 120 | U |
| 53469-21-9 | Aroclor-1242 | 120 | U |
| 12672-29-6 | Aroclor-1248 | 120 | U |
| 11097-69-1 | Aroclor-1254 | 240 | U |
| 11096-82-5 | Aroclor-1260 | 240 | U |

FORM I PEST 1/87 Rev.

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL
(Red)
CN398

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211905

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH011905C13

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 34 Date Analyzed: 08/17/88

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| | | | | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL
CN399(Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211906

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH011906B11

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 23 Date Analyzed: 08/18/88

Column: (pack/cap) PACK Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 13 | U |
| 74-83-9 | Bromomethane | 13 | U |
| 75-01-4 | Vinyl Chloride | 13 | U |
| 75-00-3 | Chloroethane | 13 | U |
| 75-09-2 | Methylene Chloride | 31 | B |
| 67-64-1 | Acetone | 38 | B |
| 75-15-0 | Carbon Disulfide | 6 | U |
| 75-35-4 | 1,1-Dichloroethene | 6 | U |
| 75-34-3 | 1,1-Dichloroethane | 6 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 6 | U |
| 67-66-3 | Chloroform | 3 | J |
| 107-06-2 | 1,2-Dichloroethane | 6 | U |
| 78-93-3 | 2-Butanone | 13 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5 | Carbon Tetrachloride | 6 | U |
| 108-05-4 | Vinyl Acetate | 13 | U |
| 75-27-4 | Bromodichloromethane | 6 | U |
| 78-87-5 | 1,2-Dichloropropane | 6 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U |
| 79-01-6 | Trichloroethene | 6 | U |
| 124-48-1 | Dibromochloromethane | 6 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U |
| 71-43-2 | Benzene | 6 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 13 | U |
| 591-78-6 | 2-Hexanone | 13 | U |
| 127-18-4 | Tetrachloroethene | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 108-88-3 | Toluene | 6 | U |
| 108-90-7 | Chlorobenzene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 1330-20-7 | Total Xylenes | 6 | U |

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211906

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH011906A08

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 23 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/23/88

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 108-95-2 | Phenol | 430 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 430 | U |
| 95-57-8 | 2-Chlorophenol | 430 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 430 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 430 | U |
| 100-51-6 | Benzyl Alcohol | 430 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 430 | U |
| 95-48-7 | 2-Methylphenol | 430 | U |
| 39638-32-9 | bis(2-Chloroisopropyl)Ether | 430 | U |
| 106-44-5 | 4-Methylphenol | 430 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | 430 | U |
| 67-72-1 | Hexachloroethane | 430 | U |
| 98-95-3 | Nitrobenzene | 430 | U |
| 78-59-1 | Isophorone | 430 | U |
| 88-75-5 | 2-Nitrophenol | 430 | U |
| 105-67-9 | 2,4-Dimethylphenol | 430 | U |
| 65-85-0 | Benzoic Acid | 120 | J |
| 111-91-1 | bis(2-Chloroethoxy)Methane | 430 | U |
| 120-83-2 | 2,4-Dichlorophenol | 430 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 430 | U |
| 91-20-3 | Naphthalene | 430 | U |
| 106-47-8 | 4-Chloroaniline | 430 | U |
| 87-68-3 | Hexachlorobutadiene | 430 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 430 | U |
| 91-57-6 | 2-Methylnaphthalene | 430 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 430 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 430 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 2100 | U |
| 91-58-7 | 2-Chloronaphthalene | 430 | U |
| 88-74-4 | 2-Nitroaniline | 2100 | U |
| 131-11-3 | Dimethyl Phthalate | 430 | U |
| 208-96-8 | Acenaphthylene | 430 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 430 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN399
ORIGINAL (Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211906

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH011906A08

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 23 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/23/88

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 2100 | U |
| 83-32-9 | Acenaphthene | 430 | U |
| 51-28-5 | 2,4-Dinitrophenol | 2100 | U |
| 100-02-7 | 4-Nitrophenol | 2100 | U |
| 132-64-9 | Dibenzofuran | 430 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 430 | U |
| 84-66-2 | Diethylphthalate | 430 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 430 | U |
| 86-73-7 | Fluorene | 430 | U |
| 100-01-6 | 4-Nitroaniline | 2100 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 2100 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 430 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 430 | U |
| 118-74-1 | Hexachlorobenzene | 430 | U |
| 87-86-5 | Pentachlorophenol | 2100 | U |
| 85-01-8 | Phenanthrene | 430 | U |
| 120-12-7 | Anthracene | 430 | U |
| 84-74-2 | Di-n-Butylphthalate | 430 | U |
| 206-44-0 | Fluoranthene | 430 | U |
| 129-00-0 | Pyrene | 430 | U |
| 85-68-7 | Butylbenzylphthalate | 430 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 850 | U |
| 56-55-3 | Benzo(a)Anthracene | 430 | U |
| 218-01-9 | Chrysene | 430 | U |
| 117-81-7 | bis(2-Ethylhexyl)Phthalate | 430 | U |
| 117-84-0 | Di-n-Octyl Phthalate | 430 | U |
| 205-99-2 | Benzo(b)Fluoranthene | 430 | U |
| 207-08-9 | Benzo(k)Fluoranthene | 430 | U |
| 50-32-8 | Benzo(a)Pyrene | 430 | U |
| 193-39-5 | Indeno(1,2,3-cd)Pyrene | 430 | U |
| 53-70-3 | Dibenz(a,h)Anthracene | 430 | U |
| 191-24-2 | Benzo(g,h,i)Perylene | 430 | U |

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN399 ORIGINAL (Red)

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211906

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/13/88

% Moisture: not dec. 23 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/24/88

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.00

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 10. | U |
| 319-85-7 | beta-BHC | 10. | U |
| 319-86-8 | delta-BHC | 10. | U |
| 58-89-9 | gamma-BHC (Lindane) | 10. | U |
| 76-44-8 | Heptachlor | 10. | U |
| 309-00-2 | Aldrin | 10. | U |
| 1024-57-3 | Heptachlor epoxide | 10. | U |
| 959-98-8 | Endosulfan I | 10. | U |
| 60-57-1 | Dieldrin | 21. | U |
| 72-55-9 | 4,4'-DDE | 21. | U |
| 72-20-8 | Endrin | 21. | U |
| 33213-65-9 | Endosulfan II | 21. | U |
| 72-54-8 | 4,4'-DDD | 21. | U |
| 1031-07-8 | Endosulfan sulfate | 21. | U |
| 50-29-3 | 4,4'-DDT | 21. | U |
| 72-43-5 | Methoxychlor | 100 | U |
| 53494-70-5 | Endrin ketone | 21. | U |
| 5103-71-9 | alpha-Chlordane | 100 | U |
| 5103-74-2 | gamma-Chlordane | 100 | U |
| 8001-35-2 | Toxaphene | 210 | U |
| 12674-11-2 | Aroclor-1016 | 100 | U |
| 11104-28-2 | Aroclor-1221 | 100 | U |
| 11141-16-5 | Aroclor-1232 | 100 | U |
| 53469-21-9 | Aroclor-1242 | 100 | U |
| 12672-29-6 | Aroclor-1248 | 100 | U |
| 11097-69-1 | Aroclor-1254 | 210 | U |
| 11096-82-5 | Aroclor-1260 | 210 | U |

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO. ORIGINAL (Red)

CN399

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211906

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH011906B11

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 23 Date Analyzed: 08/18/88

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| | | | | |

ORIGINAL

EPA SAMPLE NO.

CN399

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211906

Sample wt/vol: 30.2 (g/mL) G Lab File ID: GH011906A08

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 23 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/23/88

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

Number TICs found: 23

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | ~~BLANK CONTAMINANT~~ | ~~5.72~~ | ~~1500~~ | ~~BJ~~ |
| 2. | ~~BLANK CONTAMINANT~~ | ~~5.82~~ | ~~2500~~ | ~~BJ~~ |
| 3. | ALDOL | 6.70 | 1700 | AJ |
| 4. | HYDROCARBON | 16.75 | 5200 | J |
| 5. | HYDROCARBON | 16.89 | 4700 | J |
| 6. | UNKNOWN | 16.97 | 3100 | J |
| 7. | UNKNOWN | 17.04 | 2500 | J |
| 8. | UNKNOWN | 17.10 | 2900 | J |
| 9. | HYDROCARBON | 17.20 | 3900 | J |
| 10. | HYDROCARBON | 17.29 | 4300 | J |
| 11. | UNKNOWN | 17.35 | 4300 | J |
| 12. | HYDROCARBON | 17.52 | 4700 | J |
| 13. | HYDROCARBON | 17.72 | 6900 | J |
| 14. | UNKNOWN | 18.05 | 2300 | J |
| 15. | UNKNOWN | 18.15 | 3100 | J |
| 16. | HYDROCARBON | 18.39 | 3000 | J |
| 17. | UNKNOWN | 18.60 | 2200 | J |
| 18. | HYDROCARBON | 18.77 | 4300 | J |
| 19. | UNKNOWN | 18.84 | 2500 | J |
| 20. | UNKNOWN | 19.34 | 2800 | J |
| 21. | UNKNOWN | 19.40 | 4300 | J |
| 22. | UNKNOWN | 19.62 | 4000 | J |
| 23. | UNKNOWN | 24.60 | 2600 | J |

10-12

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN400

ORIGINAL (Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN3[illegible]

Matrix: (soil/water) SOIL Lab Sample ID: 211907

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH011907B11

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 1 Date Analyzed: 08/18/88

Column: (pack/cap) PACK Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 19 | B |
| 67-64-1 | Acetone | 18 | B |
| 75-15-0 | Carbon Disulfide | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Total Xylenes | 5 | U |

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN400 ORIGINAL (Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211907

Sample wt/vol: 30.7 (g/mL) G Lab File ID: GJ011907A08

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 1 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/23/88

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 108-95-2 | Phenol | 330 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 330 | U |
| 95-57-8 | 2-Chlorophenol | 330 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 330 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 330 | U |
| 100-51-6 | Benzyl Alcohol | 330 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 330 | U |
| 95-48-7 | 2-Methylphenol | 330 | U |
| 39638-32-9 | bis(2-Chloroisopropyl)Ether | 330 | U |
| 106-44-5 | 4-Methylphenol | 330 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | 330 | U |
| 67-72-1 | Hexachloroethane | 330 | U |
| 98-95-3 | Nitrobenzene | 330 | U |
| 78-59-1 | Isophorone | 330 | U |
| 88-75-5 | 2-Nitrophenol | 330 | U |
| 105-67-9 | 2,4-Dimethylphenol | 330 | U |
| 65-85-0 | Benzoic Acid | 1600 | U |
| 111-91-1 | bis(2-Chloroethoxy)Methane | 330 | U |
| 120-83-2 | 2,4-Dichlorophenol | 330 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 330 | U |
| 91-20-3 | Naphthalene | 330 | U |
| 106-47-8 | 4-Chloroaniline | 330 | U |
| 87-68-3 | Hexachlorobutadiene | 330 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 330 | U |
| 91-57-6 | 2-Methylnaphthalene | 330 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 330 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 330 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1600 | U |
| 91-58-7 | 2-Chloronaphthalene | 330 | U |
| 88-74-4 | 2-Nitroaniline | 1600 | U |
| 131-11-3 | Dimethyl Phthalate | 330 | U |
| 208-96-8 | Acenaphthylene | 330 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 330 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

ORIGINAL

CN (Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211907

Sample wt/vol: 30.7 (g/mL) G Lab File ID: GJ011907A08

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 1 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/23/88

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 1600 | U |
| 83-32-9 | Acenaphthene | 330 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1600 | U |
| 100-02-7 | 4-Nitrophenol | 1600 | U |
| 132-64-9 | Dibenzofuran | 330 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 330 | U |
| 84-66-2 | Diethylphthalate | 330 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 330 | U |
| 86-73-7 | Fluorene | 330 | U |
| 100-01-6 | 4-Nitroaniline | 1600 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 1600 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 330 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 330 | U |
| 118-74-1 | Hexachlorobenzene | 330 | U |
| 87-86-5 | Pentachlorophenol | 1600 | U |
| 85-01-8 | Phenanthrene | 330 | U |
| 120-12-7 | Anthracene | 330 | U |
| 84-74-2 | Di-n-Butylphthalate | 38 | J |
| 206-44-0 | Fluoranthene | 330 | U |
| 129-00-0 | Pyrene | 330 | U |
| 85-68-7 | Butylbenzylphthalate | 330 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 650 | U |
| 56-55-3 | Benzo(a)Anthracene | 330 | U |
| 218-01-9 | Chrysene | 330 | U |
| 117-81-7 | bis(2-Ethylhexyl)Phthalate | 330 | U |
| 117-84-0 | Di-n-Octyl Phthalate | 330 | U |
| 205-99-2 | Benzo(b)Fluoranthene | 330 | U |
| 207-08-9 | Benzo(k)Fluoranthene | 330 | U |
| 50-32-8 | Benzo(a)Pyrene | 330 | U |
| 193-39-5 | Indeno(1,2,3-cd)Pyrene | 330 | U |
| 53-70-3 | Dibenz(a,h)Anthracene | 330 | U |
| 191-24-2 | Benzo(g,h,i)Perylene | 330 | U |

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN400 ORIGINAL (Red)

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211907

Sample wt/vol: 30.7 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 1 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/24/88

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 8.0 | U |
| 319-85-7 | beta-BHC | 8.0 | U |
| 319-86-8 | delta-BHC | 8.0 | U |
| 58-89-9 | gamma-BHC (Lindane) | 8.0 | U |
| 76-44-8 | Heptachlor | 8.0 | U |
| 309-00-2 | Aldrin | 8.0 | U |
| 1024-57-3 | Heptachlor epoxide | 8.0 | U |
| 959-98-8 | Endosulfan I | 8.0 | U |
| 60-57-1 | Dieldrin | 16. | U |
| 72-55-9 | 4,4'-DDE | 16. | U |
| 72-20-8 | Endrin | 16. | U |
| 33213-65-9 | Endosulfan II | 16. | U |
| 72-54-8 | 4,4'-DDD | 16. | U |
| 1031-07-8 | Endosulfan sulfate | 16. | U |
| 50-29-3 | 4,4'-DDT | 16. | U |
| 72-43-5 | Methoxychlor | 80. | U |
| 53494-70-5 | Endrin ketone | 16. | U |
| 5103-71-9 | alpha-Chlordane | 80. | U |
| 5103-74-2 | gamma-Chlordane | 80. | U |
| 8001-35-2 | Toxaphene | 160 | U |
| 12674-11-2 | Aroclor-1016 | 80. | U |
| 11104-28-2 | Aroclor-1221 | 80. | U |
| 11141-16-5 | Aroclor-1232 | 80. | U |
| 53469-21-9 | Aroclor-1242 | 80. | U |
| 12672-29-6 | Aroclor-1248 | 80. | U |
| 11097-69-1 | Aroclor-1254 | 160 | U |
| 11096-82-5 | Aroclor-1260 | 160 | U |

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CN400

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211907

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH011907B11

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 1 Date Analyzed: 08/18/88

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| | | | | |

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CN400

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211907

Sample wt/vol: 30.7 (g/mL) G Lab File ID: GJ011907A08

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 1 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/23/88

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.00

Number TICs found: 24

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| ~~1.~~ | ~~BLANK CONTAMINANT~~ | ~~5.73~~ | ~~1600~~ | ~~BJ~~ |
| ~~2.~~ | ~~BLANK CONTAMINANT~~ | ~~5.83~~ | ~~2600~~ | ~~BJ~~ |
| 3. | HYDROCARBON | 6.00 | 230 | J |
| 4. | ISOMER | 6.53 | 630 | J |
| 5. | ALDOL | 6.72 | 300 | AJ |
| 6. | ALDOL | 7.43 | 160 | AJ |
| 7. | UNKNOWN | 16.89 | 490 | J |
| 8. | UNKNOWN | 17.10 | 400 | J |
| 9. | UNKNOWN | 17.20 | 890 | J |
| 10. | UNKNOWN | 17.32 | 590 | J |
| 11. | UNKNOWN | 17.37 | 430 | J |
| 12. | UNKNOWN | 17.49 | 760 | J |
| 13. | UNKNOWN | 17.72 | 790 | J |
| 14. | UNKNOWN | 18.39 | 430 | J |
| 15. | UNKNOWN | 18.60 | 760 | J |
| 16. | UNKNOWN | 18.79 | 760 | J |
| 17. | UNKNOWN | 18.85 | 660 | J |
| 18. | UNKNOWN | 19.35 | 990 | J |
| 19. | UNKNOWN | 19.44 | 760 | J |
| 20. | UNKNOWN | 19.65 | 630 | J |
| 21. | UNKNOWN | 20.15 | 490 | J |
| 22. | UNKNOWN | 20.90 | 330 | J |
| 23. | UNKNOWN | 21.92 | 590 | J |
| 24. | UNKNOWN | 24.59 | 820 | J |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN401 ORIGINAL (Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211908

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH011908B11

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 13 Date Analyzed: 08/18/88

Column: (pack/cap) PACK Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 11 | U |
| 74-83-9 | Bromomethane | 11 | U |
| 75-01-4 | Vinyl Chloride | 11 | U |
| 75-00-3 | Chloroethane | 11 | U |
| 75-09-2 | Methylene Chloride | 47 | B |
| 67-64-1 | Acetone | 47 | B |
| 75-15-0 | Carbon Disulfide | 6 | U |
| 75-35-4 | 1,1-Dichloroethene | 6 | U |
| 75-34-3 | 1,1-Dichloroethane | 6 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 6 | U |
| 67-66-3 | Chloroform | 6 | U |
| 107-06-2 | 1,2-Dichloroethane | 6 | U |
| 78-93-3 | 2-Butanone | 11 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 6 | U |
| 56-23-5 | Carbon Tetrachloride | 6 | U |
| 108-05-4 | Vinyl Acetate | 11 | U |
| 75-27-4 | Bromodichloromethane | 6 | U |
| 78-87-5 | 1,2-Dichloropropane | 6 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 6 | U |
| 79-01-6 | Trichloroethene | 6 | U |
| 124-48-1 | Dibromochloromethane | 6 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 6 | U |
| 71-43-2 | Benzene | 6 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 6 | U |
| 75-25-2 | Bromoform | 6 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 11 | U |
| 591-78-6 | 2-Hexanone | 11 | U |
| 127-18-4 | Tetrachloroethene | 6 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 6 | U |
| 108-88-3 | Toluene | 6 | U |
| 108-90-7 | Chlorobenzene | 6 | U |
| 100-41-4 | Ethylbenzene | 6 | U |
| 100-42-5 | Styrene | 6 | U |
| 1330-20-7 | Total Xylenes | 6 | U |

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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN401 ORIGINAL (Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211908

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GJ011908C08

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/23/88

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 108-95-2 | Phenol | 370 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 370 | U |
| 95-57-8 | 2-Chlorophenol | 370 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 370 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 370 | U |
| 100-51-6 | Benzyl Alcohol | 370 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 370 | U |
| 95-48-7 | 2-Methylphenol | 370 | U |
| 39638-32-9 | bis(2-Chloroisopropyl)Ether | 370 | U |
| 106-44-5 | 4-Methylphenol | 370 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | 370 | U |
| 67-72-1 | Hexachloroethane | 370 | U |
| 98-95-3 | Nitrobenzene | 370 | U |
| 78-59-1 | Isophorone | 370 | U |
| 88-75-5 | 2-Nitrophenol | 370 | U |
| 105-67-9 | 2,4-Dimethylphenol | 370 | U |
| 65-85-0 | Benzoic Acid | 1800 | U |
| 111-91-1 | bis(2-Chloroethoxy)Methane | 370 | U |
| 120-83-2 | 2,4-Dichlorophenol | 370 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 370 | U |
| 91-20-3 | Naphthalene | 370 | U |
| 106-47-8 | 4-Chloroaniline | 370 | U |
| 87-68-3 | Hexachlorobutadiene | 370 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 370 | U |
| 91-57-6 | 2-Methylnaphthalene | 370 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 370 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 370 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 1800 | U |
| 91-58-7 | 2-Chloronaphthalene | 370 | U |
| 88-74-4 | 2-Nitroaniline | 1800 | U |
| 131-11-3 | Dimethyl Phthalate | 370 | U |
| 208-96-8 | Acenaphthylene | 370 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 370 | U |

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN401

ORIGINAL (Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN399

Matrix: (soil/water) SOIL Lab Sample ID: 211908

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GJ011908C08

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/23/88

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 1800 | U |
| 83-32-9 | Acenaphthene | 370 | U |
| 51-28-5 | 2,4-Dinitrophenol | 1800 | U |
| 100-02-7 | 4-Nitrophenol | 1800 | U |
| 132-64-9 | Dibenzofuran | 370 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 370 | U |
| 84-66-2 | Diethylphthalate | 370 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 370 | U |
| 86-73-7 | Fluorene | 370 | U |
| 100-01-6 | 4-Nitroaniline | 1800 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 1800 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 370 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 370 | U |
| 118-74-1 | Hexachlorobenzene | 370 | U |
| 87-86-5 | Pentachlorophenol | 1800 | U |
| 85-01-8 | Phenanthrene | 370 | U |
| 120-12-7 | Anthracene | 370 | U |
| 84-74-2 | Di-n-Butylphthalate | 40 | J |
| 206-44-0 | Fluoranthene | 370 | U |
| 129-00-0 | Pyrene | 370 | U |
| 85-68-7 | Butylbenzylphthalate | 370 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 750 | U |
| 56-55-3 | Benzo(a)Anthracene | 370 | U |
| 218-01-9 | Chrysene | 370 | U |
| 117-81-7 | bis(2-Ethylhexyl)Phthalate | 370 | U |
| 117-84-0 | Di-n-Octyl Phthalate | 370 | U |
| 205-99-2 | Benzo(b)Fluoranthene | 370 | U |
| 207-08-9 | Benzo(k)Fluoranthene | 370 | U |
| 50-32-8 | Benzo(a)Pyrene | 370 | U |
| 193-39-5 | Indeno(1,2,3-cd)Pyrene | 370 | U |
| 53-70-3 | Dibenz(a,h)Anthracene | 370 | U |
| 191-24-2 | Benzo(g,h,i)Perylene | 370 | U |

(1) - Cannot be separated from Diphenylamine

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN401 ORIGINAL (Red)

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211908

Sample wt/vol: 30.5 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/24/88

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.00

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 9.0 | U |
| 319-85-7 | beta-BHC | 9.0 | U |
| 319-86-8 | delta-BHC | 9.0 | U |
| 58-89-9 | gamma-BHC (Lindane) | 9.0 | U |
| 76-44-8 | Heptachlor | 9.0 | U |
| 309-00-2 | Aldrin | 9.0 | U |
| 1024-57-3 | Heptachlor epoxide | 9.0 | U |
| 959-98-8 | Endosulfan I | 9.0 | U |
| 60-57-1 | Dieldrin | 18. | U |
| 72-55-9 | 4,4'-DDE | 18. | U |
| 72-20-8 | Endrin | 18. | U |
| 33213-65-9 | Endosulfan II | 18. | U |
| 72-54-8 | 4,4'-DDD | 18. | U |
| 1031-07-8 | Endosulfan sulfate | 18. | U |
| 50-29-3 | 4,4'-DDT | 18. | U |
| 72-43-5 | Methoxychlor | 90. | U |
| 53494-70-5 | Endrin ketone | 18. | U |
| 5103-71-9 | alpha-Chlordane | 90. | U |
| 5103-74-2 | gamma-Chlordane | 90. | U |
| 8001-35-2 | Toxaphene | 180 | U |
| 12674-11-2 | Aroclor-1016 | 90. | U |
| 11104-28-2 | Aroclor-1221 | 90. | U |
| 11141-16-5 | Aroclor-1232 | 90. | U |
| 53469-21-9 | Aroclor-1242 | 90. | U |
| 12672-29-6 | Aroclor-1248 | 90. | U |
| 11097-69-1 | Aroclor-1254 | 180 | U |
| 11096-82-5 | Aroclor-1260 | 180 | U |

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ORIGINAL (Red)

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CN401

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211908

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH011908B11

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 13 Date Analyzed: 08/18/88

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| | | | | |

ORIGINAL (Red)

EPA SAMPLE NO.

CN401

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) SOIL Lab Sample ID: 211908

Sample wt/vol: 30.5 (g/mL) G Lab File ID: GJ011908C08

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. 13 dec. ____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 08/23/88

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

Number TICs found: 25

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| ~~1.~~ | ~~BLANK CONTAMINANT~~ | ~~5.68~~ | ~~340~~ | ~~BJ~~ |
| ~~2.~~ | ~~BLANK CONTAMINANT~~ | ~~5.73~~ | ~~2000~~ | ~~BJ~~ |
| ~~3.~~ | ~~BLANK CONTAMINANT~~ | ~~5.83~~ | ~~3100~~ | ~~BJ~~ |
| ~~4.~~ | ~~BLANK CONTAMINANT~~ | ~~6.00~~ | ~~230~~ | ~~BJ~~ |
| 5. | ALDOL | 6.72 | 570 | AJ |
| 6. | UNKNOWN HYDROCARBON | 16.77 | 340 | J |
| 7. | UNKNOWN HYDROCARBON | 16.90 | 600 | J |
| 8. | UNKNOWN | 16.99 | 230 | J |
| 9. | UNKNOWN | 17.22 | 410 | J |
| 10. | UNKNOW HYDROCARBON | 17.32 | 450 | J |
| 11. | UNKNOWN | 17.37 | 300 | J |
| 12. | UNKNOWN | 17.57 | 450 | J |
| 13. | UNKNOWN HYDROCARBON | 17.74 | 600 | J |
| 14. | UNKNOWN HYDROCARBON | 18.40 | 410 | J |
| 15. | UNKNOWN HYDROCARBON | 18.80 | 600 | J |
| 16. | UNKNOWN | 18.85 | 490 | J |
| 17. | UNKNOWN | 18.97 | 230 | J |
| 18. | UNKNOWN | 19.35 | 490 | J |
| 19. | UNKNOWN | 19.45 | 530 | J |
| 20. | UNKNOWN | 19.65 | 490 | J |
| 21. | UNKNOWN | 20.17 | 490 | J |
| 22. | UNKNOWN | 20.25 | 380 | J |
| 23. | UNKNOWN | 20.40 | 380 | J |
| 24. | UNKNOWN | 23.45 | 680 | J |
| 25. | UNKNOWN | 24.60 | 830 | J |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL
CN396

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) WATER Lab Sample ID: 211911

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN011911A18

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. ____ Date Analyzed: 08/17/88

Column: (pack/cap) PACK Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 6 | |
| 67-64-1 | Acetone | 8 | J |
| 75-15-0 | Carbon Disulfide | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Total Xylenes | 5 | U |

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CN514

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) WATER Lab Sample ID: 211911

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH011911A20

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/13/88

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/17/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 2.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 108-95-2 | Phenol | 20 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 20 | U |
| 95-57-8 | 2-Chlorophenol | 20 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 20 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 20 | U |
| 100-51-6 | Benzyl Alcohol | 20 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 20 | U |
| 95-48-7 | 2-Methylphenol | 20 | U |
| 39638-32-9 | bis(2-Chloroisopropyl)Ether | 20 | U |
| 106-44-5 | 4-Methylphenol | 20 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | 20 | U |
| 67-72-1 | Hexachloroethane | 20 | U |
| 98-95-3 | Nitrobenzene | 20 | U |
| 78-59-1 | Isophorone | 20 | U |
| 88-75-5 | 2-Nitrophenol | 20 | U |
| 105-67-9 | 2,4-Dimethylphenol | 20 | U |
| 65-85-0 | Benzoic Acid | 100 | U |
| 111-91-1 | bis(2-Chloroethoxy)Methane | 20 | U |
| 120-83-2 | 2,4-Dichlorophenol | 20 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | U |
| 91-20-3 | Naphthalene | 20 | U |
| 106-47-8 | 4-Chloroaniline | 20 | U |
| 87-68-3 | Hexachlorobutadiene | 20 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 20 | U |
| 91-57-6 | 2-Methylnaphthalene | 20 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 20 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 20 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 100 | U |
| 91-58-7 | 2-Chloronaphthalene | 20 | U |
| 88-74-4 | 2-Nitroaniline | 100 | U |
| 131-11-3 | Dimethyl Phthalate | 20 | U |
| 208-96-8 | Acenaphthylene | 20 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 20 | U |

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CN5[illegible]

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) WATER Lab Sample ID: 211911

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH011911A20

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/13/88

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/17/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 2.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 100 | U |
| 83-32-9 | Acenaphthene | 20 | U |
| 51-28-5 | 2,4-Dinitrophenol | 100 | U |
| 100-02-7 | 4-Nitrophenol | 100 | U |
| 132-64-9 | Dibenzofuran | 20 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 20 | U |
| 84-66-2 | Diethylphthalate | 20 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 20 | U |
| 86-73-7 | Fluorene | 20 | U |
| 100-01-6 | 4-Nitroaniline | 100 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 100 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 20 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 20 | U |
| 118-74-1 | Hexachlorobenzene | 20 | U |
| 87-86-5 | Pentachlorophenol | 100 | U |
| 85-01-8 | Phenanthrene | 20 | U |
| 120-12-7 | Anthracene | 20 | U |
| 84-74-2 | Di-n-Butylphthalate | 3 | J ✓ |
| 206-44-0 | Fluoranthene | 20 | U |
| 129-00-0 | Pyrene | 20 | U |
| 85-68-7 | Butylbenzylphthalate | 20 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 40 | U |
| 56-55-3 | Benzo(a)Anthracene | 20 | U |
| 218-01-9 | Chrysene | 20 | U |
| 117-81-7 | bis(2-Ethylhexyl)Phthalate | 20 | U |
| 117-84-0 | Di-n-Octyl Phthalate | 20 | U |
| 205-99-2 | Benzo(b)Fluoranthene | 20 | U |
| 207-08-9 | Benzo(k)Fluoranthene | 20 | U |
| 50-32-8 | Benzo(a)Pyrene | 20 | U |
| 193-39-5 | Indeno(1,2,3-cd)Pyrene | 20 | U |
| 53-70-3 | Dibenz(a,h)Anthracene | 20 | U |
| 191-24-2 | Benzo(g,h,i)Perylene | 20 | U |

(1) - Cannot be separated from Diphenylamine



COMPLE DATA SUMMARY PACKAGE

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN514 ORIGINAL (Red)

Lab Name: COMPUCHEM LABORATORIES Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) WATER Lab Sample ID: 211911

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. _____ dec. _____ Date Extracted: 08/12/88

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/17/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1.00

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 319-84-6 | alpha-BHC | 0.050 | U |
| 319-85-7 | beta-BHC | 0.050 | U |
| 319-86-8 | delta-BHC | 0.050 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8 | Heptachlor | 0.050 | U |
| 309-00-2 | Aldrin | 0.050 | U |
| 1024-57-3 | Heptachlor epoxide | 0.050 | U |
| 959-98-8 | Endosulfan I | 0.050 | U |
| 60-57-1 | Dieldrin | 0.10 | U |
| 72-55-9 | 4,4'-DDE | 0.10 | U |
| 72-20-8 | Endrin | 0.10 | U |
| 33213-65-9 | Endosulfan II | 0.10 | U |
| 72-54-8 | 4,4'-DDD | 0.10 | U |
| 1031-07-8 | Endosulfan sulfate | 0.10 | U |
| 50-29-3 | 4,4'-DDT | 0.10 | U |
| 72-43-5 | Methoxychlor | 0.50 | U |
| 53494-70-5 | Endrin ketone | 0.10 | U |
| 5103-71-9 | alpha-Chlordane | 0.50 | U |
| 5103-74-2 | gamma-Chlordane | 0.50 | U |
| 8001-35-2 | Toxaphene | 1.0 | U |
| 12674-11-2 | Aroclor-1016 | 0.50 | U |
| 11104-28-2 | Aroclor-1221 | 0.50 | U |
| 11141-16-5 | Aroclor-1232 | 0.50 | U |
| 53469-21-9 | Aroclor-1242 | 0.50 | U |
| 12672-29-6 | Aroclor-1248 | 0.50 | U |
| 11097-69-1 | Aroclor-1254 | 1.0 | U |
| 11096-82-5 | Aroclor-1260 | 1.0 | U |

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1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL
(Red)
CN514

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) WATER Lab Sample ID: 211911

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN011911A18

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. ____ Date Analyzed: 08/17/88

Column (pack/cap) PACK Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| 1. | INSTRUMENT CONTAMINANT | 1.72 | 54 | BJ |

JD 10-17-8

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
ORIGINAL (Red)
CN514

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) WATER Lab Sample ID: 211911

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH011911A20

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/13/88

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/17/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 2.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NUMBER | COMPOUND NAME | RT | EST. CONC. | Q |
|---|---|---|---|---|
| | | | | |

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CN515

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

ORIGINAL (Red)

Matrix: (soil/water) WATER Lab Sample ID: 211918

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR011918A18

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. ____ Date Analyzed: 08/17/88

Column: (pack/cap) PACK Dilution Factor: 1.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl Chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene Chloride | 5 | U |
| 67-64-1 | Acetone | 10 | U |
| 75-15-0 | Carbon Disulfide | 5 | U |
| 75-35-4 | 1,1-Dichloroethene | 5 | U |
| 75-34-3 | 1,1-Dichloroethane | 5 | U |
| 540-59-0 | 1,2-Dichloroethene (total) | 5 | U |
| 67-66-3 | Chloroform | 5 | U |
| 107-06-2 | 1,2-Dichloroethane | 5 | U |
| 78-93-3 | 2-Butanone | 10 | U |
| 71-55-6 | 1,1,1-Trichloroethane | 5 | U |
| 56-23-5 | Carbon Tetrachloride | 5 | U |
| 108-05-4 | Vinyl Acetate | 10 | U |
| 75-27-4 | Bromodichloromethane | 5 | U |
| 78-87-5 | 1,2-Dichloropropane | 5 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 5 | U |
| 79-01-6 | Trichloroethene | 5 | U |
| 124-48-1 | Dibromochloromethane | 5 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 5 | U |
| 71-43-2 | Benzene | 5 | U |
| 10061-02-6 | Trans-1,3-Dichloropropene | 5 | U |
| 75-25-2 | Bromoform | 5 | U |
| 108-10-1 | 4-Methyl-2-Pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U |
| 127-18-4 | Tetrachloroethene | 5 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 5 | U |
| 108-88-3 | Toluene | 5 | U |
| 108-90-7 | Chlorobenzene | 5 | U |
| 100-41-4 | Ethylbenzene | 5 | U |
| 100-42-5 | Styrene | 5 | U |
| 1330-20-7 | Total Xylenes | 5 | U |

FORM I VOA 1/87 Rev.

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL
CN515 (Red)

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) WATER Lab Sample ID: 211918

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ011918C20

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/13/88

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/18/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 2.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 108-95-2 | Phenol | 20 | U |
| 111-44-4 | bis(2-Chloroethyl)Ether | 20 | U |
| 95-57-8 | 2-Chlorophenol | 20 | U |
| 541-73-1 | 1,3-Dichlorobenzene | 20 | U |
| 106-46-7 | 1,4-Dichlorobenzene | 20 | U |
| 100-51-6 | Benzyl Alcohol | 20 | U |
| 95-50-1 | 1,2-Dichlorobenzene | 20 | U |
| 95-48-7 | 2-Methylphenol | 20 | U |
| 39638-32-9 | bis(2-Chloroisopropyl)Ether | 20 | U |
| 106-44-5 | 4-Methylphenol | 20 | U |
| 621-64-7 | N-Nitroso-Di-n-Propylamine | 20 | U |
| 67-72-1 | Hexachloroethane | 20 | U |
| 98-95-3 | Nitrobenzene | 20 | U |
| 78-59-1 | Isophorone | 20 | U |
| 88-75-5 | 2-Nitrophenol | 20 | U |
| 105-67-9 | 2,4-Dimethylphenol | 20 | U |
| 65-85-0 | Benzoic Acid | 100 | U |
| 111-91-1 | bis(2-Chloroethoxy)Methane | 20 | U |
| 120-83-2 | 2,4-Dichlorophenol | 20 | U |
| 120-82-1 | 1,2,4-Trichlorobenzene | 20 | U |
| 91-20-3 | Naphthalene | 20 | U |
| 106-47-8 | 4-Chloroaniline | 20 | U |
| 87-68-3 | Hexachlorobutadiene | 20 | U |
| 59-50-7 | 4-Chloro-3-Methylphenol | 20 | U |
| 91-57-6 | 2-Methylnaphthalene | 20 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 20 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 20 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 100 | U |
| 91-58-7 | 2-Chloronaphthalene | 20 | U |
| 88-74-4 | 2-Nitroaniline | 100 | U |
| 131-11-3 | Dimethyl Phthalate | 20 | U |
| 208-96-8 | Acenaphthylene | 20 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 20 | U |

1C

# SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

ORIGINAL (Red)

CN315

Lab Name: COMPUCHEM LABS Contract: 68-01-7397

Lab Code: COMPU Case No.: 10138 SAS No.: _____ SDG No.: CN396

Matrix: (soil/water) WATER Lab Sample ID: 211918

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ011918C20

Level: (low/med) LOW Date Received: 08/12/88

% Moisture: not dec. ____ dec. ____ Date Extracted: 08/13/88

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 08/18/88

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 2.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L | Q |
|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 100 | U |
| 83-32-9 | Acenaphthene | 20 | U |
| 51-28-5 | 2,4-Dinitrophenol | 100 | U |
| 100-02-7 | 4-Nitrophenol | 100 | U |
| 132-64-9 | Dibenzofuran | 20 | U |
| 121-14-2 | 2,4-Dinitrotoluene | 20 | U |
| 84-66-2 | Diethylphthalate | 20 | U |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 20 | U |
| 86-73-7 | Fluorene | 20 | U |
| 100-01-6 | 4-Nitroaniline | 100 | U |
| 534-52-1 | 4,6-Dinitro-2-Methylphenol | 100 | U |
| 86-30-6 | N-Nitrosodiphenylamine (1) | 20 | U |
| 101-55-3 | 4-Bromophenyl-phenylether | 20 | U |
| 118-74-1 | Hexachlorobenzene | 20 | U |
| 87-86-5 | Pentachlorophenol | 100 | U |
| 85-01-8 | Phenanthrene | 20 | U |
| 120-12-7 | Anthracene | 20 | U |
| 84-74-2 | Di-n-Butylphthalate | 20 | U |
| 206-44-0 | Fluoranthene | 20 | U |
| 129-00-0 | Pyrene | 20 | U |
| 85-68-7 | Butylbenzylphthalate | 20 | U |
| 91-94-1 | 3,3'-Dichlorobenzidine | 40 | U |
| 56-55-3 | Benzo(a)Anthracene | 20 | U |
| 218-01-9 | Chrysene | 20 | U |
| 117-81-7 | bis(2-Ethylhexyl)Phthalate | 20 | U |
| 117-84-0 | Di-n-Octyl Phthalate | 20 | U |
| 205-99-2 | Benzo(b)Fluoranthene | 20 | U |
| 207-08-9 | Benzo(k)Fluoranthene | 20 | U |
| 50-32-8 | Benzo(a)Pyrene | 20 | U |
| 193-39-5 | Indeno(1,2,3-cd)Pyrene | 20 | U |
| 53-70-3 | Dibenz(a,h)Anthracene | 20 | U |
| 191-24-2 | Benzo(g,h,i)Perylene | 20 | U |

(1) - Cannot be separated from Diphenylamine