NUS CORPORATION
A Halliburton Company

152137

FIELD INVESTIGATION TEAM ACTIVITIES AT UNCONTROLLED HAZARDOUS SUBSTANCES FACILITIES — ZONE I

NUS CORPORATION
SUPERFUND DIVISION

02-8909-05-SI
REV. NO. 0

FINAL DRAFT
SITE INSPECTION REPORT
BELLPORT LAUNDRY
BELLPORT, NEW YORK
VOLUME 2 OF 2

PREPARED UNDER
TECHNICAL DIRECTIVE DOCUMENT NO. 02-8909-05
CONTRACT NO. 68-01-7346

FOR THE

ENVIRONMENTAL SERVICES DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

MARCH 15, 1990

NUS CORPORATION
SUPERFUND DIVISION

REFERENCE NO. 50

NUS CORPORATION

II

0468

BELLPORT LAUNDRY
02-8909-05
TDD MGR- S. ANDERSON
LOGBOOK# 0468
OCT. 16, 1989

- Include a sketch or map of the site which can be used to locate photo or sample locations. Note landmarks, indicate north, and if possible include an

- Record any other relevant

interviews. Include names of persons interviewed, the interest group represented, their address and phone number.

C-556-5-96-125

GUIDANCE FOR PROPER USE OF LOG BOOKS

Purpose

- Serves to document onsite activities and be understandable to an outside reader.
- Provides the basis for later written reports.
- Used as an evidentiary document and may be used in legal proceedings.

Distribution

- Controlled by the project manager and distributed as appropriate to personnel designated by the project manager.

General Procedures

- Record information in language which is objective and factual.
- Use ink. Waterproof ink is recommended.
- Leave first two pages blank. They serve as space for the table of contents to be added when the log book is complete.
- The first written page identifies the date, time, TDD number, site name, location, NUS personnel and their responsibilities, other non-NUS personnel and observed weather conditions.
- Start on a new page at the start of each day's field activities. This page should identify date, time, TDD number, site name and location, NUS personnel and their responsibilities, other non-NUS personnel and observed weather conditions.
- List all persons leaving or entering the site.
- Information recorded in the log book should be in chronological order.
- Sign and date each page, log all entries using a 24 hour clock. Entries should be time logged every 15 to 30 minutes.
- Corrections are to be lined through and initialed. No erroneous notes are to be made illegible.
- Include a sketch or map of the site which can be used to locate photo or sample locations. Note landmarks, indicate north, and if possible include an
- A person not present when field activities were being documented should read each completed page, and countersign and date when satisfied that the written notes are understandable.

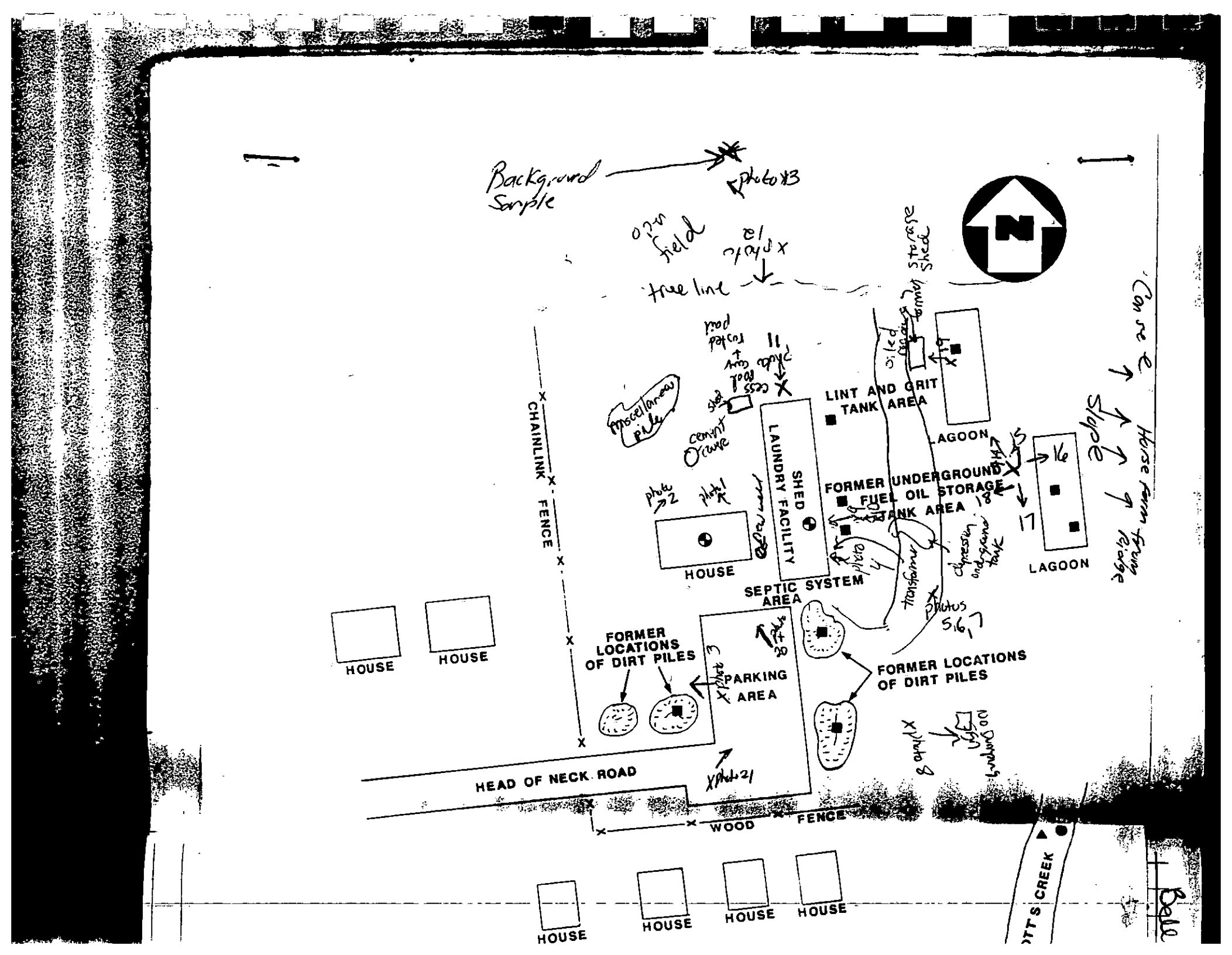
Specific Field Activities To Be Documented

- Record the who, what and where of field activities.
- Indicate sampling and photo locations on a site sketch or map.
- As part of the chain of custody procedure, recorded in-situ sampling information must include sample number, date, time, sampling personnel, sample type, designation of sample as a grab or composite, and any preservative used.
- Information for in-situ measurements must include a sample ID number, the date, time, and personnel taking measurements. Pertinent in-situ measurements include but are not limited to pH, temperature, conductivity, flow measurements, continuous air monitoring measurements, and stack gas analysis. If infield calculations are necessary they must be checked and signed by a second team member.
- Create a photo log to document photos taken in the field. These must include date, time, photographer, sample number, roll number, frame number, photo ID number and description. Indicate if the film is for slides or prints in the column for roll number. Photo ID numbers can be added at the time the photo log is assembled.
- Record onsite health and safety measures used. Describe observed potential hazards to health and safety. Document the level of protection used, decontamination procedure used and specific decontamination solutions.
- When sampling is complete, a summary log is to be completed. It must include date, time, sample number, description, field book reference page, and the number and date of the chain of custody form on which the sample is listed. Indicate whether or not the sample was split.
- Record details regarding relevant information obtained during onsite interviews. Include names of persons interviewed, the interest group represented, their address and phone number.
- Record any other relevant in[illegible]

Table of Contents

Susan Gardner 10-23-89

Thomas Chaney 10/26/89


Background Sample
Photo #3
field
tree line
LINT AND GRIT TANK AREA
LAGOON
LAUNDRY FACILITY
SHED
FORMER UNDERGROUND FUEL OIL STORAGE TANK AREA
LAGOON
HOUSE
SEPTIC SYSTEM AREA
CHAINLINK FENCE
HOUSE
HOUSE
FORMER LOCATIONS OF DIRT PILES
PARKING AREA
FORMER LOCATIONS OF DIRT PILES
HEAD OF NECK ROAD
WOOD FENCE
HOUSE
HOUSE
HOUSE
HOUSE
TTS CREEK

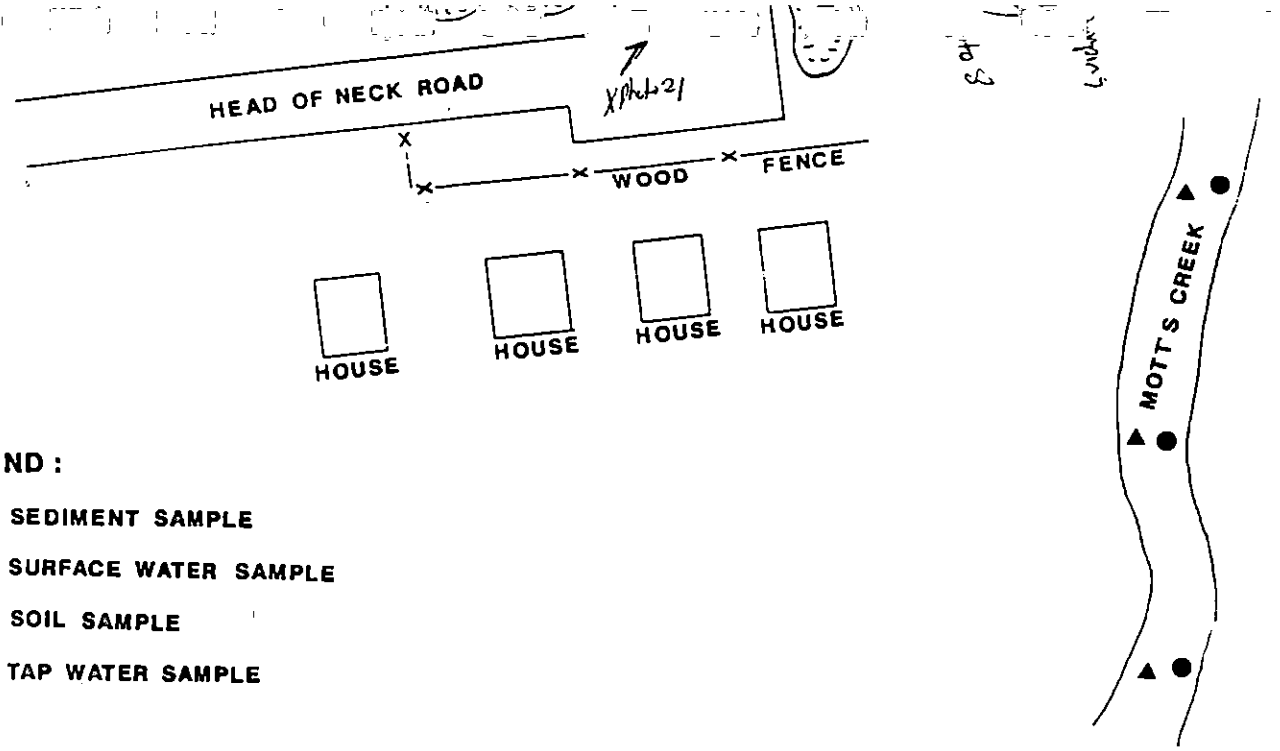


FIGURE 2

PRE-SAMPLE LOCATION MAP

BELLPORT LAUNDRY, BELLPORT, N.Y.

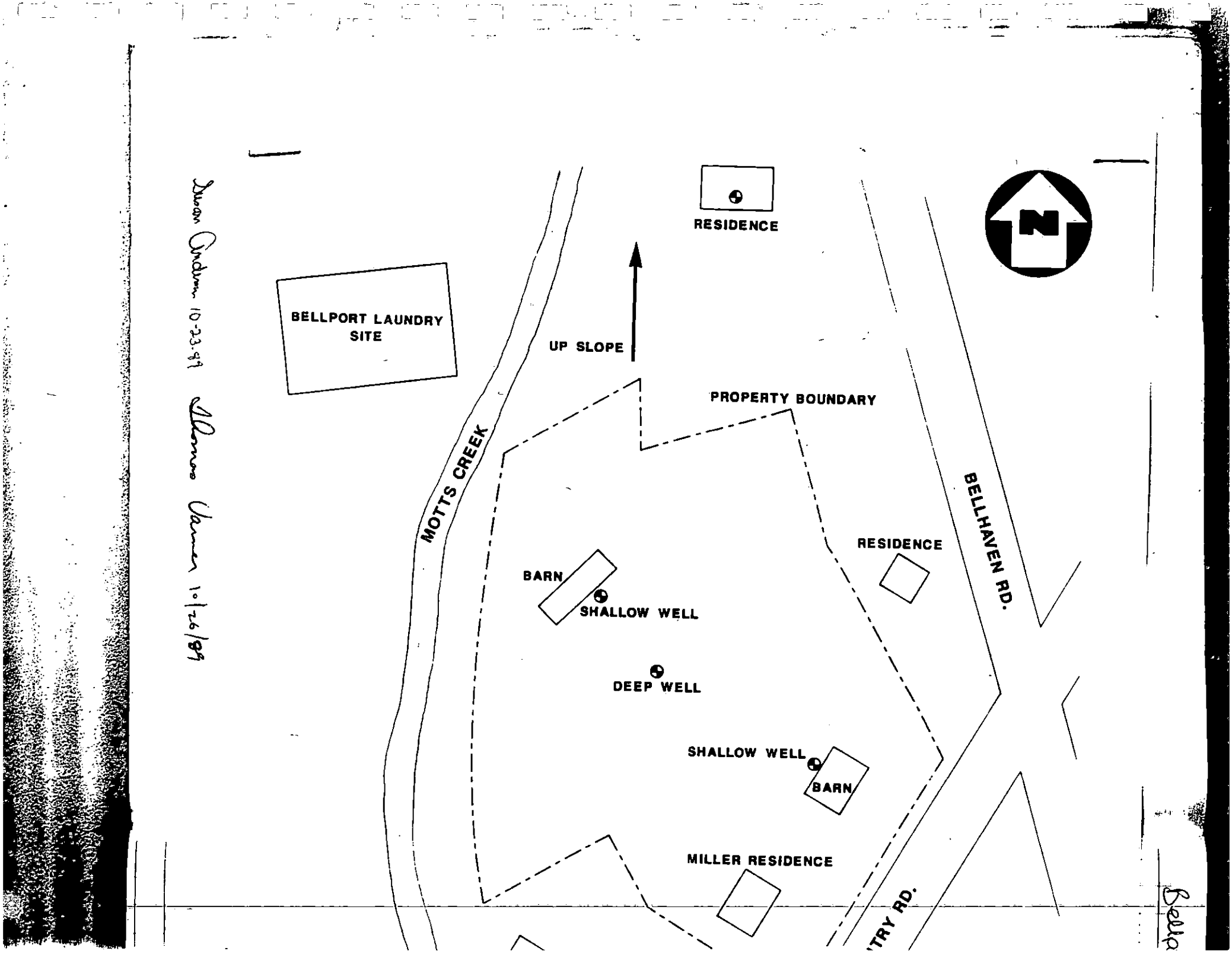
(NOT TO SCALE)

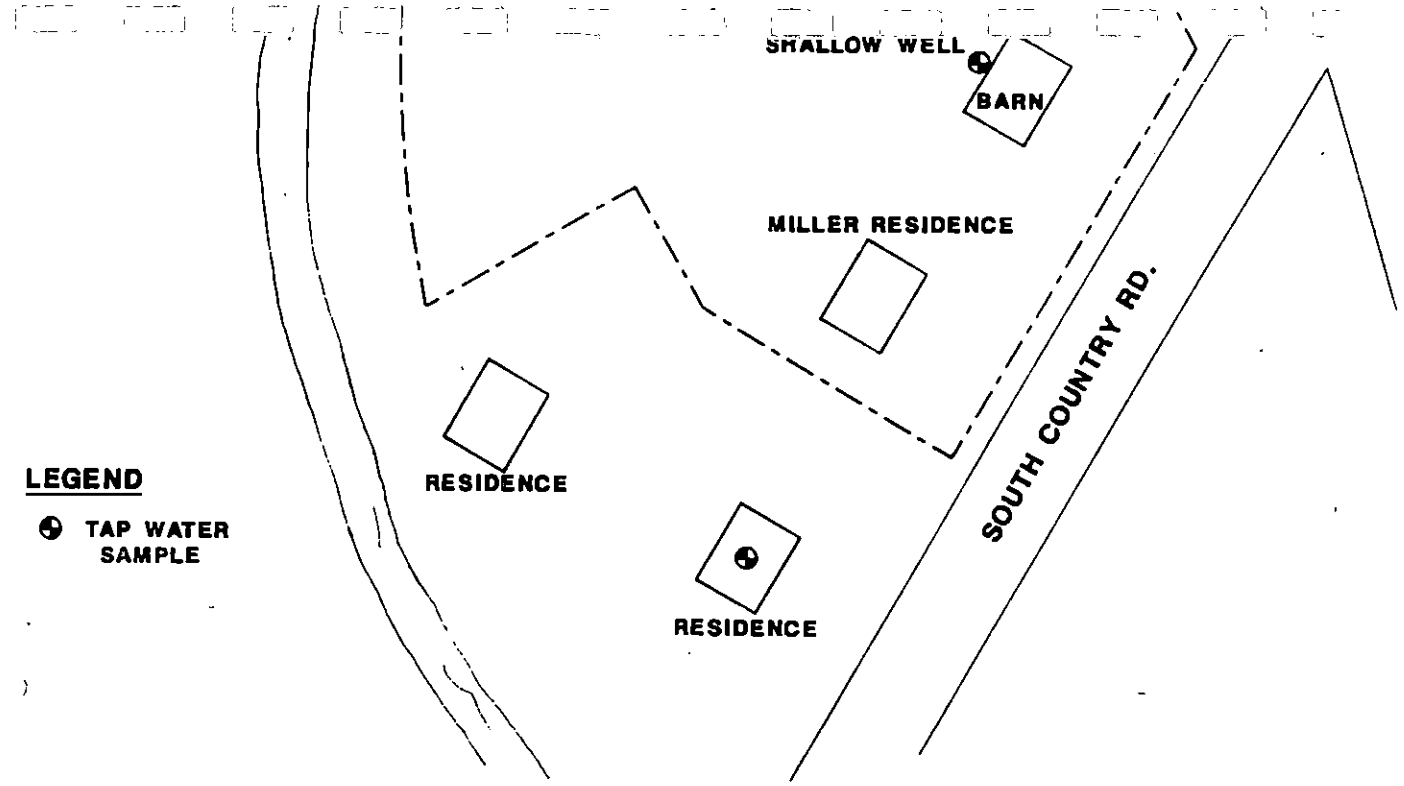
NUS CORPORATION

Bellport Laundry

02-890705

3


RESIDENCE
BELLPORT LAUNDRY SITE
UP SLOPE
PROPERTY BOUNDARY
MOTTS CREEK
BELLHAVEN RD.
RESIDENCE
BARN
SHALLOW WELL
DEEP WELL
SHALLOW WELL
BARN
MILLER RESIDENCE
N



OFF-SITE PRE-SAMPLE LOCATION MAP

BELLPORT LAUNDRY, BELLPORT, N.Y.

NOT TO SCALE

FIGURE 3

NUS CORPORATION

Bellport Laundry

02-8909-05

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Bellport Laundry

Bellport, Suffolk County, New York

October 18, 1989

On-Site Reconnaissance

NUS Personnel:

SM - Susan Anderson SA 10-18-89
SSO - Tom Varner Tom Varner 10/18/89
Recon. - Steve Okulewicz SO 10/18/89
Community Relations: Greg Pollock GP 10/18/89

The above NUS personnel have read and understood the workplan and QA/QC procedures.

Weather Conditions:
Cloudy
Temperature - High 90's
Wind Northeast, 10mph

Susan Anderson 6-23-89

Thomas Varner 10/26/89

Bellport Laundry — 02-8907-38 — 6

Bellport, NY

October 18, 1989

Equipment

Canon camera (prints) 307128

Canon camera (slides) 428512
428604

Mini Rad

HNU @ idle ~~OVA~~ (L) 469748 PROBE 469754

OVA ~~HNU~~ 428696

Mini Rad Background = 17 cpm

OVA and HNU Background = 0

Susan Anderson 10-20-89

Thomas James 10/26/89

Dan Raviv Associates, Inc.
57 East Willow Street
Millburn, New Jersey 07041
(201) 564-6006

Dennis R. Law
Staff Engineer, Remedial Group

Consultants in ground water hydrology,
water quality, landfill hydrology and ECRA

During the removal of the underground tank, oil spilled onto the dirt Road. ——————>

Susan Anderson 10-23-89

Be
Bell
10
11
11C
110
111
113
1140
the removal
the tank
1145
1150
Susan

Bellport Laundry 02-8909-05 7
Bellport, N.Y.
Tom Varner sa 10-25-89 October 18, 1989

1035 Conducted health and safety meeting at diner

1100 Arrived on site

1104 Steve Latham, Gardiner Hulse, Dennis Law ~~Stephen Latham Gardiner Hulse Dennis Law~~ were present on site.

1106 Setting up decon area and warming up air monitoring equipment.

1115 Setting up decon area

1130 Steve, Greg and Tom suited up, on Level C. Greg as backup.

Steve Latham and Gardiner Hulse stated that there is an 1140 Oiled (stained) Roadway on eastern side of laundry building from the removal of the tank; the Health department sampled the oiled (stained) roadway instead of ~~while~~ underneath 10-25-89 the underground fuel oil storage tank was located. Steve Latham, Gardiner Hulse and Dennis Law following us throughout the onsite reconnaissance.

No Readings Above Background on OVA or HNU in ambient air sa 10-25-89

1145 Well pit located at northeastern side of laundry building

1150 Two cesspools covered with ~~metal~~ sa 10-18-89 lids and Rusted pail observed at the northern side of the Bellport laundry building.

Steven Andersen 10-23-89 Thomas Varner 10/26/89

Bellport Laundry 02-8909-05
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1155 Mr. Latham and Mr. Hulse said that the two lagoons' Average ~~was~~ ~~30 feet by 20 feet. lagoons and length was width 60 feet.~~ sa-10-18-89 sa10-25-89 width was approximately 20 to 30 feet and the length of the lagoons was 60 feet.

Lagoons Cleared sometime in 1978. The Village of Bellport filled the lagoons with street sweepings sa 10-25-89 and tree debris.

1015 Steve Latham and Mr. Hulse stated that a ~~?~~ Spill occurred on Carver Blvd. approximately 15 to 20 years ago ~~of trichloroethylene~~ sa 10-18-89 They think the substance spilled was trichloroethylene

No Readings Above Background on OVA or HNU in ambient air.

1205 55-gallon drums sa 10-25-89 located at the northern end of the lagoons. "No deposit" ~~stamped on the side~~ sa 10-18-89 was written on the top.

1206 Property line ends 50 feet from the south end of sa 10-25-89 lagoon #1 sa 10-25-89 ~~South end of lagoon number 1.~~ Stake in ground representing the location of lagoon number 1

1208 Distrubed soil adjacent to eastern side of laundry building. No Readings above Background on OVA or HNU near distribed soil. sa 10-25-89

Susan Anderson 10-23-89 Thomas Varner 10/26/89

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October 18, 1989

1210 Geologist Hulse and Steve Latham stated that Motts Brook is located

Approximately 200 feet south of Bellport Laundry property line and is 200-300 feet east of neighbors property line

Bayport Land Development are renting the house on the site to someone and are renting the old storage shed to someone as a garage. As we are conducting the recon people are working in the former storage shed. The shed is currently used as a garage.

1225 Mr Latham and Mr. Hulse spoke with a person who is renting the old storage shed to let him know that we will be conducting a sampling event Thursday on HNU and OVA SA 10-18-89

1227 No Readings Above Background. Returning to command post.

1228 Tom and Steve off Level C

1230 Conducted the on-site reconnaissance and went back to take the photographs. Mr. Hulse, the site owner, showed us around the site because he had to leave early. Before we took the photographs SA 10-18-89

1234 Mr. Hulse and Steve Latham left site and will meet with us tomorrow at 0800. Crew leaving command post to take photographs.

Thomas Cheney 10/26/89

Susan Anderson 102387

1252 Panarama view of the eastern side of the laundry building, oiled roadway, former location of 12,000 underground fuel oil storage tank (depression in roadway filled with water) and former storage shed Looking north
P-5,6,7 S-5,6,7

No readings above Background on OVA or HNU in ambient air. 10-23-89

1259 Looking at a sign: "Notice: No Dumping Violators will be prosecuted by owner" Brush, ~~pieces~~ pieces 10-23-89a of wood, plastic, etc. located around sign. Looking east, southeast.
P-8, S-8

1301 HNU battery inoperative

1302 Looking ~~from the east side looking west, south west where the well pit is located.~~ Board covering well pit area adjacent to Laundry Building
P-9,10 S-9,10

1303 Looking from the east side looking west, southwest where the wellpit and influent grit tank area are located.
P-10, S-10

Susan Anderson 10/23/89

Thomas Jannett 10/26/89

Bellport Laundry

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1310 Looking southwest at cesspool cover and rusted pail along the northern side of Laundry building
P-11, S-11

1320 Looking southwest at tree line along northern side of Bellport Laundry property
P-12, S-12

1322 Looking north, northwest at open field behind northern side of Bellport Laundry property. Approximately 15 to 16 acres of this open field and trees are owned by Gardiner Hulse, however, this acreage is not part of the Bellport Laundry site.
P-13, S-13

No Readings Above Background for the OVA or mini-rad.

1325 Looking from the eastern side of the Laundry building. 360° view. Photograph of farm storage shed, woodpile, 55-gallon drum located behind wood pile, etc; open fields and trucks.
P-14, 15, 16, 17, 18 / S-14, 15, 16, 17, 18

[signature] 10-23-89 [signature] 10/26/89

Bellport Laundry 02-8909-05
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1335 3-5 gallon plastic containers located near truckcab behind the former storage shed. SSO detected 2 ppm inside brown plastic container above background; blue plastic container labeled "corrosive".

1337 Looking at brown plastic container adjacent
sa 10-25-89 P-19, S-19 to former storage shed.

1345 Looking at 2-story home and former laundry building
P-20, 21, S-20, 21
Photograph of 2-story home looking northwest and photograph of former laundry building looking north.

sa 10-18-89
1350 Deconning field clothes (Saranex and boot covers) and putting away field equipment

1355 Dennis Law, consultant for Mr. Hulse, leaving site.

1410 Leaving Site

[signature] 10-23-89 [signature] 10/26/89

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October 18, 1989 14
SA 10-19-89

Bellport Laundry

Bellport, Suffolk County, New York

Site Inspection

NUS Personnel:

SM - Susan Anderson SA 10-19-89
SSO - Tom Varner Thomas A. Varner
Sampler Steve OKulewicz Steve OKulewicz 10/19/89
SMO Susan Lenczyk Susan Lenczyk 10/19/89
Public Relations Greg Pollack Greg Pollack 10/19/89
Samplee John Harrison John Harrison 10/19/89

The above NUS personnel have read and understood the workplan and QA/QC procedures.

Weather Conditions:
Rainy, cloudy
Temperature High 40's.
Wind: northeast 15 to 20 mph - Gusty winds.

Susan Anderson 10-23-89 Thomas Varner 10/24/89 SA 10-19-89

Bellport Laundry

02-890905

October 18, 1989
9 SA 10-19-89

Equipment

Canon camera (prints)	3071128
Canon camera (slides)	428512
Mini Rad	428604
HNU	469784
OVA	469758

Mini Rad Background = 14 cpm
OVA and HNU Background = 0

Susan Anderson 10-23-89

Thomas Varney 10/26/89

0815 Rinsate 2 collected by Susan Lenczyk
Rinsate 2 was a bowl.
Collected from SA 10-25-89

Susan Anderson 10-23-89

Thomas Varner 10/26/89

10/19/89

0717 Arrived on site. Dennis Law the consultant for Mr. Hulse is also on site.

0718 Tom Varner conducting site safety meeting.

0720 Steve, Susan, John, Greg Setting up command post

0730 Setting up command post

0740 Setting up command post

0745 SSO setting up air monitoring equipment.

0800 Setting up command post

0820 Susan Andersen telephoned Gloria Rosenblum at 223 South Country Road to set up a time to collect a water sample from the tap. She said that we could drive over to her place now so that she could show us the location of the tank in the basement. Thomas Varner 10/26/89

6/89

Susan Andersen 10-23-89

0830 Greg Pollack and Susan Anderson left the site to collect a water sample at Gloria Rosenblum's residence. Dennis Law followed us in his vehicle to collect split samples.

0835 Arrived at Rosenblum residence Gloria Rosenblum showed us the location of the pump; however the electricity was turned off. Mrs. Rosenblum gave us the name and telephone number of her plumber. Hermust Brothers (516) 286-0165 so we could find out how to turn the pump on. Mrs. Rosenblum left the house to go to work. She said we could collect the sample without her and to just close the doors to the house. (10/19/89 was getting ready to leave the)

0837 Mrs. Rosenblum signed the Receipt For Samples and Documents Form and showed Susan Anderson the location of the hand pump.

0839 Mrs. Rosenblum left her house

0842 Susan Anderson drove back to the site to call Hermust Brothers on the telephone.

Thomas Cheney 10/26/89

Susan Anderson 10-23-89

0900 Rinsate I was collected by Susan Lenzyk
Rinsate I was a trowel.
Collected from Sa 10-25-89

0915 Tom Varner contacted Robert E. Carson (RHSM) to ask him if sampling of the surface soil samples could be conducted on Level D because it was raining. Bob Carson said it was okay for us to downgrade to Level D for surface sampling.

Thomas Varner 10/26/89

Susan Anderson 10-23-89

Bellport Laundry 02-8909-05

Susan Anderson sa 10-19-89 10/19/89

0846 Susan Arrived on site. Tom Varner contacted the Hermust Brothers to get information on the Rosenblum's pump. The plumbers were not in so Tom left a message for them to call us.

0847 Greg Pollack contacted us at the site with the radio and said the wires were hooked up so we could now collect a water sample. A hose was run up from the basement to outside so we could purge the well.

0848 Susan Anderson left the site to return to the Rosenblum's residence

0857 S. Anderson arrived at the Rosenblum's residence.

0904 Greg Pollack taking initial ph.

all VOA sa 10-19-89

0910 Acidifying samples with 6 drops of HCL to bring the ph below 2

VOA sa 10-25-89

0915 Greg Pollack acified all samples

Susan Anderson 10-23-89 Thomas Varner 10/26/89

The following entries were recorded by Tom Varner at the command post:

0906 Steve Latham and his partner Dave Dubin arrived. Mr. Latham said that Mrs. Rosenblum is the lawyer for the owner of Rollup Industries.

0919 Mr. Latham and Dublin left the site.

0932 Mr. Latham, Dubin return to site

0934 Mr. Hulse arrives on site.

0936 Latham, Dubin, Hulse leave site

0938 Jeff Goal arrives on site.

0945 Latham, Hulse, Dubin return to site.

Susan Anderson 10-23-87

Thomas Varner 10/26/89

10/2/89

0917 Photograph of GW-1 sample P251 Ensure if the photograph turned out because of dark conditions.
GW-1 was a MS/MSD.

0932 Greg Pollack finished collecting tap samples

0934 Tom Varner radioed over to us to find out the address of Gloria Rosenblum's house because Steve Latham the lawyer for Mr Hulse arrived at the site and wanted to know the address.

0937 Steve Latham arrived at the Rosenblum residence; however, he pulled into the driveway, turned around and left. Greg Pollack, Susan Anderson and Dennis Law looked at the outdoor hand pump. The pump assembly would have to be cut off the well in order to determine whether the well could be sampled. SDA 10-19-89

0945 Greg Pollack and Susan Anderson left Rosenblum residence. Dennis Law also left.

0952 Greg Pollack and Susan Anderson arrived on site Dennis law arrived on site.

0955 Steve Latham left site

Susan Anderson 10-23-89

Thomas Varner 10/26/89

10/26/89

ellport Laundry 02-8909
10/19/89

1105 Rinsate 3 collected by Susan Lenczyk. Rinsate 3 was an auger. collected from sa 10-25-89

1115 Man arrived on site to unlock the door to the house

1117 Preparing to collect a sample from ~~one~~ of the lagoons.

sa 10-19-89
1120 Left command post to collect S2.

sa 10-19-89
John Harrison on Level C

1125 John Harrison augering subsurface sample S2. Purple soil observed at approximately eight inches. Hit a rock or debris. HNU inoperative. No readings above background on the OVA. Auger refusal at 8 inches so started a 2nd hole. Approximately 3 inches change in color in soil, almost black. Auger refusal at 5 inches Attempted a third hole, auger refusal 5 inches. Soil is the color of purple. Fourth attempt soil is dark black at 3 inches subsurface. Auger refusal at 1 foot. Hit a piece of rock or metal.

1155 5th hole 2 ppm showed up on the OVA at 6 inches Refusal at 1 foot above background sa 10-25-89 2 ppm at 1 foot above background sa 10-25-89

Thomas Cooney 10/26/89
Susan Anderson 10-23-89

Elliott County 02-8909-05
10/19/89

1140 6th hole 1 ppm above background at 6 inches. Soil color is purple fluctuating up to 45 ppm above background at approximately 6 or 7 inches
Auger refusal at approximately 6 or 7 inches. Discolored soil.

1146 7th hole Soil color is purple at approximately 4 inches. Auger refusal.

1148 8th hole ½ ppm sa 10-19-89 above background sa 10-25-89 on OVA sa 10-19-89 at the eight hole approximately 7 inches subsurface.
200 ppm above background 10-25-89 on OVA at 10 inches
Soil color is black
150 ppm above background 10-25-89 on OVA at 15 inches
Auger At 15 inches encountered pieces of wood in the black soil
Auger refusal at 18 inches. Fluctuating between 100 and 200 ppm on OVA above background 10-25-89 sa at 18 inches.

1150 P-2, 15-4 ~~P-3~~ sa 3-8-90, S4 taken by S. Anderson of J. Harrison augering at S2 sampling location. sa 10-25-89
1155 readings sa 10-19-89 1 ppm ~~above~~ above background on the OVA in ~~the background~~ breathing zone sa 10-25-89 area sampling ~~area~~ above sa 10-25-89 ~~area~~.

Susan Anderson 10-23-89 Thomas Vaimer 10/26/89

Sa 10-25-89

S2 sample location is measured 70 feet and 9 inches at a ~~60°~~ Sa 10-25-89 bearing of 60° east of north (60° northeast Sa 10-31-89) from the bottom left hand corner of the former center window (now bricked) along the eastern side of the former storage building. Sample depth 10 to 18 inches.

Susan Amdahl 10-25-89

Thomas Varnes 10/26/89

Bell pot

S2

Sa 10-25-89

S

S a 10-25-89

1206

1210

1215

Ci

1220

Susan

12 Sample location measured ~~64 feet 1 inch from~~ (SA 10-25-89) ~~southeast corner of the former storage building~~ (SA 10-25-89)
70 feet 9 inches from bottom left hand corner of ~~a~~ former storage building along the eastern side of the (SA 10-25-89)
~~Measured from the center window~~ (SA 10-25-89) which is sealed in with concrete bricks 60° east of north.

12[illegible]6 Dennis Law staked S2 location

12[illegible] Returned to command post. Decon field boots (SA 10-19-89) John Harrison off Level C.

12[illegible] Preparing to collect soil (SA 10-25-89) sample 3. Leave command post to collect S3. Steve Okulewicz on Level C. (SA 10-25-89)

12[illegible] Steve augering subsurface S3. Approximately 6 inches down, sandy soil. No readings above background on OVA.
Approximately 2 feet down 0.2 ppm above background (SA 10-25-89) on the OVA.
2 feet subsurface (SA 10-25-89) change in color soil is much darker.

Approximately 2 feet sub[illegible] 0.4 ppm above background on the OVA. (SA 10-25-89)

Susan Anderson 10-25-89   Thomas [illegible] 10/26/89

7/26/89

The following entries were recorded by Greg Pollack at 26 Arthur residence:

1305 ~~1300 Left~~ (Sa 10-19-89) Greg Pollack and Tom Vanner arrived at residence.

1324 GW4 collected by Greg Pollack from 26 Arthur residence (Shriver) Tap run for 15 minutes prior to collection, VOA fractions acidified to ph<2. (Sa 10-25-89)

1335 Tom Vanner and Greg Pollack left Shriver residence.

Susan Anderson 10-23-89

Thomas Vanner 10/26/89

1230 Photograph 13 3/1 S.I. taken by S. Anderson of S. Okulewicz augering at S3 sampling location. SA 10-25-89 8 feet 0 inches from the south stair, south eastern corner of the southeast former storage shed 166° [illegible] SA 10-31-89 Sample depth 1 to 2 feet SA 11-1-89

1236 Dennis Law inserted a stake in the ground for location of S3

1239 Returned to command post Deconned field boots and sample jars. Steve Okulewicz off level C.

1255 Tom Varner and Greg Pollack at site to collect a tap sample at 26 Arthur Road

1300 John Harrison is now acting as SSC.

1301 Steve collecting soil sample S4 and S5 (Duplicate)

9

Susan Anderson 10-23-89 Thomas Varner 10/26/89

Bel-Port Laundry 02-8909-05
10/19/89

1300 No readings above background sa 10-25-89 on the OVA. Approximately 4 inches of permafrost detected on the OVA. Subsurface sa 10-25-89 above background sa 10-25-89

1305 15-6 S. Okulewicz collecting S4.
1312 15-7 S. Okulewicz collecting S5.

312 Sample S5 collected.
305 Sample S4 collected
Sample S4 and S5 located

315 63 feet and 3 inches from the southeast corner of the laundry building
Center location of the 12,000 gallon underground fuel oil tank. sa 10-25-89
90° east of north (180° northeast) sa 10-31-89
0-to 6 inches composite sa 10-24-89

1320 Returned to command post
Returned field boots and sample jars

1335 Leving command area to collect instrument S1

1340 John Harrison collected instrument S1. 15-8.
Soil discolored at approximately 3 inches. No readings above background on OVA. Soil is frozen.
Sample collected 0-3 inches soil 11-1-89

Susan Anderson 10-28-89

Thomas Varney 10/26/89

Sample collected SQ10-19-89

32 feet and 9 1/2 inches from telephone pole location along the Southern property line near entrance road #072E026333 (number attached to the telephone pole.)
20° west of north. (340° northwest) SQ 10-31-89
S9 taken at former locations of dirt mounds at SQ10-25-89

1355 Returned to command post

1357 Tom and Greg returned from collecting a tap sample from SQ11-2-89 26 Arthur Rd. 223 ~~South Country~~ Road. Shriver residence.

1405 I spoke with Sharon Mill on the mobile telephone and she said we could come over to her house in half an hour to collect the tap samples.

1406 Leaving command post to collect S6 (Susan Anderson, Tom Varner, John Harrison, Steve Okulewicz and Dennis Law) SQ10-19-89

1410 S6 Soil sample collected by ...
No readings above background on the OVA
ISHO, IP-6 5 taken by S. Anderson of S. Okulewicz collecting a soil sample at S6 sampling location.

Thomas Varner 10/26/89
Susan Anderson 10-23-89

Bellport Laundry D2-8909-05

10/19/89

1415 S6 collected 19 feet from the corner of building which contains the lint and grit tank laundry sa 10-23-89
200° south of west. (200 southwest) sa 10-31-89 6 sa 10-23-89
0-18-inches composite sa 10-24-89

1425 Returned to command post and deconned field books and sample jars.

1445 Left site. S. Anderson, Tom Varner, Jeff Goal and Dennis Law to collect GW samples -5, 6, and 7. sa 10-23-89

1455 Arrived at Sharon A. Millers property. Mr Miller turned on all 3 faucets to be tested.
237 South Country Road sa 11-1-89

1510 Standing around, waiting for the wells to purge

1515 Tom Varner collecting GW-5 sample from tap located inside the south red barn. Tom tested ph - ph is 6. Added 5 drops of HCL to the VOA's VOA's acified to ph of 1.
Storage tank located between the pump and spigot

Anderson 10-23-89

Thomas Varner 10/26/89

Bellport Laundry 92-8909-05

10/19/89

1526 photograph taken of GW-5 by S. Anderson of T. Varner collecting a P7, S11 tap sample from inside the southern red barn. sa10-25-89

1528 sa10-25-89 Left southern red barn to collect GW-6 a sample from the new well which is approximately 60 feet deep located at 287 South Country Road sa11-1-89

GW-6 collected by Tom Varner

1540 ph is 6. Tom added 5 drops of HCL to the VOA samples, he brought the ph down to 1.

1545 P8, S12 photograph ~~taken~~ of GW-6, ~~&~~ the new well. sa10-25-89 being collected by T. Varner

GW-7

1550 Tom Varner collecting a tap sample from the northern barn. ph=6 added 5 drops of HCL to the VOA's. Acidified to a ph of 1. Dennis Law received split samples from this tap. 287 South Country Road sa11-1-89

Anderson 10-23-89 Thomas Varner 10/26/89

Bellport Laundry 02-8909-05

10/19/89

1600 Took photograph of GW-7 collected from northern barn well P11, S13

1610 Leaving Mrs Millers property.

1620 Arrived on site

1625 Jeff Gadd left.

SA 10-25-89 Tom, Steve, John, Susan A and Dennis Law

1630 Left command post to collect surface water and sediment samples.

SA 10-23-89

1650 Trying to determine a good route to locate Mott's Creek.

1655 Cannot get to Mott's Creek to collect a water sample from Bellport Laundry, too much brush and trees

1705 Tom, Steve, John, Susan A and Dennis Law returned to command post.

[signature] 10-23-89 Thomas Varner 10/26/89

Bellport Laundry 02-8909-05

10/19/89

1707 Tom Varner contacted Barry at the office to let him know our progress.

1715 Tom, Susan A, John, Steve and Dennis Law left command post to collect S-7. Background sample sa 10-23-89.

1717 Steve collecting S-7 background sample. Soil type is sandy. No readings above background on the OVA. 0-to 8-inches composite sa 10-24-89

1720 Photographed S-7 being collected by T. Varner. [illegible] 514 sa 10-25-89 S. Okulewicz

S-7 is located off of the Bellport Laundry property [illegible] the [illegible] [illegible] Gardiner Hulse

The sample is located 235 feet due north of the center of the northern side of the laundry building sa 11-1-89

sa 10-19-89

[illegible]20 Steve Okulewicz, Susan Andrews, Tom Varner, [illegible]nson and Dennis Law return to the command post.

sa 10-19-89

[illegible] Steve Okulewicz, Tom Varner, Susan Andrews, John Harrison, [illegible] Law leave command post to collect S8. John Harrison

on Level C [illegible] SA 10/17/89 10/19/89

1735 John Harrison augering S-8 1st hole auger refusal, hit asphalt; 2nd hole auger refusal hit hard substance; 3rd hole auger refusal. Fourth hole auger refusal hit rock; 5th hole auger refusal hit rock; 6th hole auger refusal; 7th hole auger refusal hit rock; 8th hole auger refusal hit rock; 9th hole auger refusal hit rock; 10th hole auger refusal hit rock; 11th hole auger refusal hit rock; 12th hole auger refusal.
Tried to auger the southeastern [illegible] but auger [illegible] refusal. SA 10-25-89 so we decided to make a second attempt at the northeastern section of the lagoon.

1750 John Harrison augering S-8 at the northeastern [illegible] lagoon SA 10-25-89

Augered subsurface

Surface to 8 inches - olive colored soil 8 inches to 10 light brown sandish soil; auger refusal at 8 to 10 inches

2nd hole auger refusal
3rd hole auger refusal
4th hole auger refusal
5th hole auger refusal

No readings above Background on OVA.

[illegible] 10-23-89

Thomas Clancy 10/26/89

Bellport Laundry 02-8909-05 32

10/19/89

1800 6th hole - starting from one foot down. No readings above background. Stained colored soil augered 2 feet down. Sample collected 1 to 2 feet (sa 11-1-89) [illegible] 12, S15 taken by S. Anderson at J. Harrison augering at S8 sampling location. S-8 measured from S-2 [illegible] located 4 [illegible] 20° east of north (20° northeast) (sa 10-31-89)

1817 Returned to equipment [illegible] and decontaminated field [illegible] (sa 10-25-89) and sample jars. John Harrison off Level C. sa 10-20-89

1825 Cleaning up command post. sa 10-20-89

1840 Leaving Bellport Laundry property. Dennis [illegible] still present on-site. sa 10-20-89

1905 Arrived at the hotel. Acquired more ice and finished packing coolers. sa 10-20-89

Sample coolers were custody sealed and locked into a FIT vehicle overnight. sa 11-1-89

S. Anderson 10-23-89

Thomas Vanner 10/26/89

Upott Land

PATRICK G. HALPIN
SUFFOLK COUNTY EXECUTIVE

DEPARTMENT OF HEALTH SERVICES

DAVID HARRIS, M.D., M.P
COMMISSIONER

July 27, 1989

Ida Rice
463 Head of Neck Road
Bellport, N.Y. 11713

Dear Ms. Rice:

Re: water sample 6-29-89

Analysis of your water supply indicates at the time of sampling concentrations of four volatile organic compounds (VOC's) were detected. Your water supply should not be used for drinking or cooking purposes.

	Result
1,1,1 trichloroethane	7 ppb
1,1 dichloroethene	0.8 ppb
1,1 dichloroethane	3 ppb
chloroform	0.6 ppb

475-1919

The New York State Health Department has reduced the drinking water limit for most VOC's to 5 parts per billion (ppb). VOC's have been used as cleaning solvents, degreasing agents, and certain compounds as pesticides.

Connection to a public water supply is recommended whenever private wellwater is found contaminated. If public water is not available, concentrations of VOC's can be reduced by carbon filtration. The department's standards specify that a filter should contain a minimum of one cubic foot granular activated carbon.

Should you have any questions concerning your drinking water, feel free to contact this office.

Sincerely,

Martin Trent
Associate Public Health Sanitarian

Susan Anderson 10-22-89

Thomas Dames 10/26/89

Bellport Laundry
Site Summary Notes

Dennis Law received split samples from all the sample locations on the Bellport Laundry site.

Mr. Rice a resident of Bellport came onto the site property and gave Jeff Gaal a letter stating that his groundwater was contaminated (a copy is attached to the opposite page). Jeff Gaal handed the letter to Susan Anderson to keep.

Dennis Law dropped the septum from the VOA lid onto the ground at S8 sampling location. The NUS fit team asked him if he had another septum; however, Mr. Law decided to use the same septum.

Samples were shipped from the Federal Express building located at the Newark Airport on October 20, 1989 at approximately 1105. Inorganics were ~~shipped~~ to be [illegible] 10-23-89 not to arrive at the laboratory until Monday October 23, 1989 because Federal Express had no Saturday delivery to that destination. Inorganics sent to: Melba Beach, Silver Valley, One Government Gulch, Kellogg Idaho 83837 / Airbill # 3488727023. Organics sent to: Compuchem Laboratories, 3308 Chapel Hill/Nelson Hwy, RTP, NC 27709. Airbill # 3488727012.

10-23-89

10/26/89

Thomas Vanner 10/26/89

Bellport Laundry 02-890205

10/18/89

Photograph Log

Bellport Laundry
Bellport, New York

Photo No.	Description	Time
1P-1	Photograph of miscellaneous material located behind 1-story house at the northwest section of the property.	1235
1P-2	Photograph of cement cover and shed located behind 1-story house [illegible] at the northwest section of the property	1240
1P-3	Photograph of area where former locations of dirt mounds were located in front of the 1-story house near entrance looking west	1245
1P-4	Photograph of transformer and former location of the 12,000 gallon underground fuel oil tank adjacent to the southeastern side of the former laundry building	1250
1P-5,6,7	Panorama view of the eastern side of the former laundry building, oiled roadway, and former storage shed.	1252
1P-8	Photograph of a "Notice: No Dumping violators will be prosecuted by owner" sign and debris located adjacent to the eastern side of the former laundry building looking east.	
	Photograph of the well pit along the eastern	

cont. →

[illegible] 10/18/89

Thomas A. Cramer 11/6/89

Bellport Laundry 02-8909-05
10/18/89

Photograph Log.

Bellport Laundry
Bellport, New York.

Photo No.	Description	Time
1P-1	Photograph of miscellaneous material located behind 1-story house at the northwest section of the property.	1235
1P-2	Photograph of cement cover and shed located behind 1-story house at the northwest section of the property	1240
1P-3	Photograph of area where former locations of dirt mounds were located in front of the 1-story house near entrance looking west.	1245
1P-4	Photograph of transformer and former location of the 12,000 gallon underground fuel oil tank adjacent to the southeastern side of the former laundry building.	1250
1P-5, 6, 7	Panorama view of the eastern side of the former laundry building, oiled roadway, and former storage shed.	1252
1P-8	Photograph of a "Notice, No Dumping violators will be prosecuted by owner" sign and debris located adjacent to the eastern side of the former laundry building looking east	1259
1P-9	Photograph of the well pit along the eastern	

con't. →

[signature] 10/23/89 11/16/89

[signature] 11/16/89

Photograph Log (cont) 10/18/89

Photo NO.	Description	Time
1P-9	side of the former laundry building looking west	1302
1P-10	Photograph of the wellpit and lint and grit tank area at the eastern side of the former laundry building looking west.	1303
1P-11	Photograph of the cesspool area and a rusted pail located adjacent to the northern side of the former laundry building looking southwest.	1310
1P-12	Photograph of tree line along the northern side of the former Bellport Laundry property looking southwest. soa 11/16/89	1320
1P-13	Photograph of open field owned by Gardiner Hulse located behind the northern side of the Bellport Laundry facility looking northwest.	1322
1P-14,15,16,17,18	Panorama view looking from the eastern side of the former laundry building.	1325
1P-19	Photograph of plastic containers located behind the truck cab ~~behind~~ along the eastern side of the former storage shed. soa 11-6-89	1337
1P-20	Photograph of the 2-story house looking northwest	1345
1P-21	Photograph of the former laundry building looking north	1345

soa 11-6-89

Thomas A. Chmura 11/16/89

DRAFT PRE-RELEASE INFORMATION ONLY

NUS-FIT SAMPLING INFORMATION

Site Name: BELLPORT LAUNDRY
Case No.: 12974 SAS No.:
TDD/BRICS: 02-8909-05 / NYIA$I
Sampling Date(s): OCTOBER 19, 1989

Shipping Date(s): October 20, 1989
Laboratories: Organic COMPUCHEM LABORATORIES
Inorganic SILVER VALLEY
Field SMO: Signature/Date Susan Lenczyk / 10/23/89

Sample Type	NUS Sample No.	Organic CLP No.	Inorganic CLP No.	QC Information	Comments
GROUNDWATER	NYIA-GW1	BBA87	MBZ564	MS/MSD	
GROUNDWATER	NYIA-GW2	BBA88	MBZ565	DUPLICATE OF GW3	
GROUNDWATER	NYIA-GW3	BBA89	MBZ566	DUPLICATE OF GW2	
GROUNDWATER	NYIA-GW4	BBA90	MBZ589		
GROUNDWATER	NYIA-GW5	BBA91	MBZ590		
GROUNDWATER	NYIA-GW6	BA596	MBZ608		
GROUNDWATER	NYIA-GW7	BAH96	MBZ609		
SOIL	NYIA-S1	BBA98	MBZ597	MS/MSD	
SOIL	NYIA-S2	BBA99	MBZ598		
SOIL	NYIA-S3	BAW90	MBZ599		
SOIL	NYIA-S4	BBA45	MBZ600	DUPLICATE OF S5	
SOIL	NYIA-S5	BBA46	MBZ601	DUPLICATE OF S4	
SOIL	NYIA-S6	BBA47	MBZ602		

continued on page 2

List samples in the following order: groundwater (GW), surfacewater (SW), sediment (SED), Soils (S), Rinsate blanks (RIN), Trip blanks (TBLK)

DRAFT PRELIMINARY INFORMATION

NUS-FIT SAMPLING INFORMATION

Site Name: BELLPORT LAUNDRY

Case No.: 12974 SAS No.:

TDD/BRICS: 02-8909-05/ NYIA $I

Sampling Date(s): October 19, 1989

Shipping Date(s): October 20, 1989

Laboratories: Organic COMPUCHEM LABORATORIES

Inorganic SILVER VALLEY

Field Sampling Signature/Date: Susan Lenczyk 10/23/89

Sample Type	NUS Sample No.	Organic CLP No.	Inorganic CLP No.	QC Information	Comments
SOIL	NYIA-S7	BBA48	MBZ603		
SOIL	NYIA-S8	BBA58	MBZ604		
RINSATE BLANK	NYIA-RIN1	BBA84	MBZ561	RINSATE - TROWEL	
RINSATE BLANK	NYIA-RIN2	BBA85	MBZ562	RINSATE - BOWL	
RINSATE BLANK	NYIA-RIN3	BBA86	MBZ563	RINSATE - AUGER	
TRIP BLANK	NYIA-TBLK1	BBA83		TRIP BLANK	VOA only

List samples in the following order: groundwater (GW), surfacewater (SW), sediment (SED), Soils (S), Rinsate blanks (RIN), Trip blanks (TBLK)

Bellport Laundry
October 18, 1989
Photo Log 9 sa 1/17/90

Photo No.	Description	Time
1P-1, 1S-1	G. Pollack collecting GW1	0917
1P-2, 1S-8 sa in 90	J. Harrison collecting S1	1340
1P-3, 1S-4 2	J. Harrison collecting S2	1150
1P-4 sa 1/17/90		
1P-5, 1S-10	S. Okulewicz collecting S6	1410
1S-5, 1P-3	S. Okulewicz collecting S3	1230
1S-6 sa 1/17/90	S. Okulewicz collecting S5	1312

Slides and prints for GW2, GW3, GW4, GW5, GW6, GW7, S4, S7, S8 were of poor quality or did not show up sa so could not be included in the photo log.

Susan Anderson 1/17/90 Thomas A. Cannes 1/17/90

REFERENCE NO. 51

Program, at (800) 638-6620.

APPROXIMATE SCALE

400 0 400 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

VILLAGE OF
BELLPORT,
NEW YORK
SUFFOLK COUNTY

ONLY PANEL PRINTED

COMMUNITY-PANEL NUMBER
361069 0001 B

EFFECTIVE DATE:
OCTOBER 15, 1982

Federal Emergency Management Agency

KEY TO MAP

500-Year Flood Boundary

100-Year Flood Boundary

Zone Designations*

100-Year Flood Boundary

500-Year Flood Boundary

Base Flood Elevation Line With Elevation In Feet** — 513

Base Flood Elevation in Feet Where Uniform Within Zone** — (EL 987)

Elevation Reference Mark — RM7×

Zone D Boundary

River Mile — •M1.5

**Referenced to the National Geodetic Vertical Datum of 1929

*EXPLANATION OF ZONE DESIGNATIONS

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

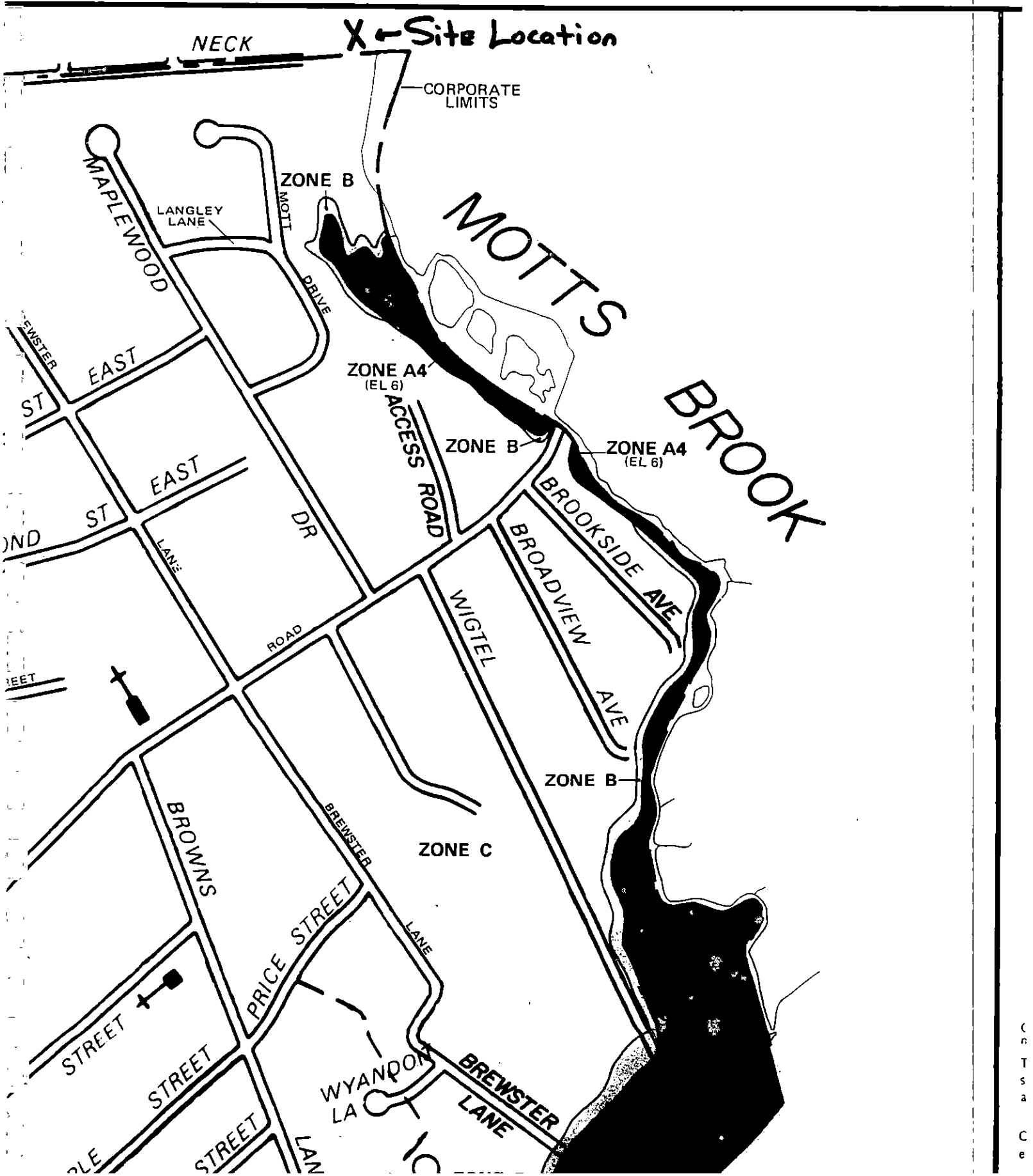
NOTES TO USER

Certain areas not in the special flood hazard areas (zones A and V) may be protected by flood control structures.

This map is for flood insurance purposes only; it does not necessarily show all areas subject to flooding in the community or all planimetric features outside special flood hazard areas.

Coastal base flood elevations shown on this map include the effects of wave action.

INITIAL IDENTIFICATION:
NOVEMBER 1, 1974


X ← Site Location
NECK
CORPORATE LIMITS
ZONE B
MOTTS BROOK
MAPLEWOOD
LANGLEY LANE
MOTT
DRIVE
EAST
ZONE A4
(EL 6)
ACCESS ROAD
ZONE B
ZONE A4
(EL 6)
BROOKSIDE AVE
BROADVIEW AVE
WIGTEL
DR
LANE
ROAD
ZONE B
ZONE C
BROWNS
BREWSTER
PRICE STREET
LANE
STREET
STREET
STREET
WYANDOT
LA
BREWSTER
LANE

REFERENCE NO. 52

code of federal regulations

Protection of Environment

40

PARTS 100 TO 149

Revised as of July 1, 1986

nity water systems. Compliance with MCLs for inorganic chemicals is calculated pursuant to § 141.23.

(b) The following are the maximum contaminant levels for inorganic chemicals other than fluoride:

Contaminant	Level, milligrams per liter
Arsenic	0.05
Barium	1
Cadmium	0.010
Chromium	0.05
Lead	0.05
Mercury	0.002
Nitrate (as N)	10
Selenium	0.01
Silver	0.05

(c) The Maximum Contaminant Level for fluoride is 4.0 mg/l. See 40 CFR 143.3, which establishes a Secondary Maximum Contaminant Level at 2.0 mg/l.

(d) At the discretion of the State, nitrate levels not to exceed 20 mg/l may be allowed in a non-community water system if the supplier of water demonstrates to the satisfaction of the State that:

(1) Such water will not be available to children under 6 months of age; and

(2) There will be continuous posting of the fact that nitrate levels exceed 10 mg/l and the potential health effects of exposure; and

(3) Local and State public health authorities will be notified annually of nitrate levels that exceed 10 mg/l; and

(4) No adverse health effects shall result.

[40 FR 59570, Dec. 24, 1975, as amended at 45 FR 57342, Aug. 27, 1980; 47 FR 10998, Mar. 12, 1982; 51 FR 11410, Apr. 2, 1986]

§ 141.12 Maximum contaminant levels for organic chemicals.

The following are the maximum contaminant levels for organic chemicals. The maximum contaminant levels for organic chemicals in paragraphs (a) and (b) of this section apply to all community water systems. Compliance with the maximum contaminant levels in paragraphs (a) and (b) of this section, is calculated pursuant to § 141.24. The maximum comtaminant level for total trihalomethanes in paragraph (c) of this section applies only to community water systems which serve a population of 10,000 or more individuals and which add a disinfectant (oxidant) to the water in any part of the drinking water treatment process. Compliance with the maximum contaminant level for total trihalomethanes is calculated pursuant to § 141.30.

	Level, milligrams per liter
(a) Chlorinated hydrocarbons:	
Endrin (1,2,3,4,10, 10–hexachloro–6, 7–epoxy–1,4, 4a,5,6,7,8,8a–octahydro–1,4–endo, endo–5,8–dimethano naphthalene)	0.0002
Lindane (1,2,3,4,5,6–hexachlorocyclohexane, gamma isomer)	0.004
Methoxychlor (1,1,1–Trichloro–2, 2–bis (p–methoxyphenyl) ethane)	0.1
Toxaphene ($C_{10}H_{10}Cl_8$–Technical chlorinated camphene, 67–69 percent chlorine)	0.005
(b) Chlorophenoxys:	
2,4–D, (2,4–Dichlorophenoxyacetic acid)	0.1
2,4,5–TP Silvex (2,4,5–Trichlorophenoxypropionic acid)	0.01
(c) Total trihalomethanes (the sum of the concentrations of bromodichloromethane, dibromochloromethane, tribromomethane (bromoform) and trichloromethane (chloroform))	0.10 mg/l.

[40 FR 59570, Dec. 24, 1975, as amended at 44 FR 68641, Nov. 29, 1979]

§ 141.13 Maximum contaminant levels for turbidity.

The maximum contaminant levels for turbidity are applicable to both community water systems and non-community water systems using surface water sources in whole or in part. The maximum contaminant levels for turbidity in drinking water, measured at a representative entry point(s) to the distribution system, are:

(a) One turbidity unit (TU), as determined by a monthly average pursuant to § 141.22, except that five or fewer turbidity units may be allowed if the supplier of water can demonstrate to the State that the higher turbidity does not do any of the following:

(1) Interfere with disinfection;

(2) Prevent maintenance of an effective disinfectant agent throughout the distribution system; or

(3) Interfere with microbiological determinations.

(b) Five turbidity units based on an average for two consecutive days pursuant to § 141.22.

five individuals daily at least 60 days out of the year. Such term includes (1) any collection, treatment, storage, and distribution facilities under control of the operator of such system and used primarily in connection with such system, and (2) any collection or pretreatment storage facilities not under such control which are used primarily in connection with such system. A public water system is either a "community water system" or a "non-community water system."

(d) "State" means the agency of the State government which has jurisdiction over public water systems.

(e) "Supplier of water" means any person who owns or operates a public water system.

(f) "Secondary maximum contaminant levels" means SMCLs which apply to public water systems and which, in the judgement of the Administrator, are requisite to protect the public welfare. The SMCL means the maximum permissible level of a contaminant in water which is delivered to the free flowing outlet of the ultimate user of public water system. Contamimants added to the water under circumstances controlled by the user, except those resulting from corrosion of piping and plumbing caused by water quality, are excluded from this definition.

§ 143.3 Secondary maximum contaminant levels.

The secondary maximum contaminant levels for public water systems are as follows:

Contaminant	Level
Chloride	250 mg/l.
Color	15 color units.
Copper	1 mg/l.
Corrosivity	Noncorrosive.
Fluoride	2.0 mg/l.
Foaming agents	0.5 mg/l.
Iron	0.3 mg/l.
Manganese	0.05 mg/l.
Odor	3 threshold odor number.
pH	6.5–8.5.
Sulfate	250 mg/l.
Total dissolved solids (TDS)	500 mg/l.
Zinc	5 mg/l.

These levels represent reasonable goals for drinking water quality. The States may establish higher or lower levels which may be appropriate dependent upon local conditions such as unavailability of alternate source waters or other compelling factors, provided that public health and welfare are not adversely affected.

[44 FR 42198, July 19, 1979, as amended at 51 FR 11412, Apr. 2, 1986]

§ 143.4 Monitoring.

(a) It is recommended that the parameters in these regulations should be monitored at intervals no less frequent than the monitoring performed for inorganic chemical contaminants listed in the National Interim Primary Drinking Water Regulations as applicable to community water systems. More frequent monitoring would be appropriate for specific parameters such as pH, color, odor or others under certain circumstances as directed by the State.

(b) Analyses conducted to determine compliance with § 143.3 should be made in accordance with the following methods:

(1) Chloride—Potentiometric Method, "Standard Methods for the Examination of Water and Wastewater," 14th Edition, p. 308.

(2) Color—Platinum-Cobalt Method, "Methods for Chemical Analysis of Water and Wastes," p. 36–38, EPA, Office of Technology Transfer, Washington, DC, 20460, 1974, or "Standard Methods for the Examination of Water and Wastewater," 13th Edition, pp. 160–162, 14th Edition, p. 64–66.

(3) Copper—Atomic Adsorption Method, "Methods for Chemical Analysis of Water and Wastes", pp. 105–109, EPA, Office of Technology Transfer, Washington, DC, 20460, 1974, or "Standard Methods for the Examination of Water and Wastewater," 13th Edition, pp. 210–215, 14th Edition, p. 144–147.

(4) Foaming Agents—Methylene Blue Method, "Methods for Chemical Analysis of Water and Wastes," pp. 157–158, EPA, Office of Technology Transfer, Washington, DC, 20460, 1974, or "Standard Methods for the Examination of Water and Wastewater," 13th Edition, pp. 339–342, 14th Edition, p. 600.

REFERENCE NO. 53

SITE NAME: BELLPORT LAUNDRY
TDD#: 02-8909-05
SAMPLING DATE: 10/19/89
EPA CASE NO.: 12974 LAB: COMPUCHEM

VOLATILES									
Sample ID No.	NYIA-S1(MS/MSD)	NYIA-S2	NYIA-S3	NYIA-S4	NYIA-S5(DUP)	NYIA-S6	NYIA-S7	NYIA-S8	NYIA-GW1(MS/MSD)
Traffic Report No.	BBA98	BBA99	BAW90	BBA45	BBA46	BBA47	BBA48	BBA58	BBA87
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Dilution Factor	1	1	1	1	1	1	1	1	1
Percent Moisture	19	20	10	12	10	11	16	22	--
Chloromethane									
Bromomethane									
Vinyl Chloride									
Chloroethane									
Methylene Chloride									
Acetone									
Carbon Disulfide									
1,1-Dichloroethene									
1,1-Dichloroethane									
Trans-1,2-Dichloroethene (total)									
Chloroform				J			J		
1,2-Dichloroethane									
2-Butanone									R
1,1,1-Trichloroethane									
Carbon Tetrachloride									
Vinyl Acetate									
Bromodichloromethane									
1,2-Dichloropropane									
cis-1,3-Dichloropropene									
Trichloroethene									
Dibromochloromethane									
1,1,2-Trichloroethane									
Benzene									
trans-1,3-Dichloropropene									
Bromoform									
4-Methyl-2-Pentanone									
2-Hexanone									
Tetrachloroethene				25 E	26 E				
Toluene			J						
1,1,2,2-Tetrachloroethane									
Chlorobenzene									
Ethylbenzene									
Styrene									
Xylenes (Total)									

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: BELLPORT LAUNDRY
TDD#: 02-8909-05
SAMPLING DATE: 10/19/89
EPA CASE NO.: 12974 LAB: COMPUCHEM

VOLATILES										
Sample ID No.	NYIA-GW2	NYIA-GW3(DUP)	NYIA-GW4	NYIA-GW5	NYIA-GW6	NYIA-GW7	NYIA-RIN1	NYIA-RIN2	NYIA-RIN3	NYIA-TBLK1
Traffic Report No.	BBA88	BBA89	BBA90	BBA91	BA596	BAH96	BBA84	BBA85	BBA86	BBA83
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor	1	1	1	1	1	1	1	1	1	1
Percent Moisture	--	--	--	--	--	--	--	--	--	--
Chloromethane	J	J					J	16	12	
Bromomethane										
Vinyl Chloride										
Chloroethane										
Methylene Chloride					J		B	B	B	J
Acetone										
Carbon Disulfide										J
1,1-Dichloroethene			J							
1,1-Dichloroethane			8							
Trans-1,2-Dichloroethene (total)										
Chloroform							J	J	J	J
1,2-Dichloroethane										
2-Butanone										R
1,1,1-Trichloroethane	J	J	29							
Carbon Tetrachloride										
Vinyl Acetate										
Bromodichloromethane										
1,2-Dichloropropane										
cis-1,3-Dichloropropene										
Trichloroethene			12							
Dibromochloromethane										
1,1,2-Trichloroethane										
Benzene										
trans-1,3-Dichloropropene										
Bromoform										
4-Methyl-2-Pentanone										
2-Hexanone										
Tetrachloroethene	J	5				J				
Toluene										
1,1,2,2-Tetrachloroethane										
Chlorobenzene										
Ethylbenzene										
Styrene										
Xylenes (Total)										

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor)1 and/or percent moisture)0%

SITE NAME: BELLPORT LAUNDRY
TDD#: 02-8909-05
SAMPLING DATE: 10/19/89
EPA CASE NO.: 12974 LAB: COMPUCHEM

SEMI-VOLATILES									
Sample ID No.	NYIA-S1(MS/MSD)	NYIA-S2	NYIA-S3	NYIA-S4	NYIA-S5(DUP)	NYIA-S6	NYIA-S7	NYIA-S8	NYIA-GW1(MS/MSD)
Traffic Report No.	BBA98	BBA99	BBA90	BBA45	BBA46	BBA47	BBA48	BBA58	BBA87
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1
Percent Moisture	19	20	10	12	10	11	16	22	--
Phenol		J							
bis(2-Chloroethyl)ether									
2-Chlorophenol									
1,3-Dichlorobenzene									
1,4-Dichlorobenzene									
Benzyl alcohol									
1,2-Dichlorobenzene									
2-Methylphenol		J							
bis(2-Chloroisopropyl)ether		R							
4-Methylphenol		1000 E						J	
N-Nitroso-di-n-dipropylamine									
Hexachloroethane									
Nitrobenzene									
Isophorone									
2-Nitrophenol									
2,4-Dimethylphenol		J							
Benzoic acid	J								
bis(2-Chloroethoxy)methane									
2,4-Dichlorophenol									
1,2,4-Trichlorobenzene									
Naphthalene		J							
4-Chloroaniline									
Hexachlorobutadiene									
4-Chloro-3-Methylphenol									
2-Methylnaphthalene		J							
Hexachlorocyclopentadiene									
2,4,6-Trichlorophenol									
2,4,5-Trichlorophenol									
2-Chloronaphthalene									
2-Nitroaniline		R							
Dimethylphthalate									
Acenaphthylene									
2,6-Dinitrotoluene									
3-Nitroaniline									
Acenaphthene									
2,4-Dinitrophenol									
4-Nitrophenol		R							
Dibenzofuran									
2,4-Dinitrotoluene									
Diethylphthalate									
4-Chlorophenyl-phenyl ether									
Fluorene									
4-Nitroaniline									
4,6-Dinitro-2-methylphenol									
N-nitrosodiphenylamine									
4-Bromophenyl-phenyl ether									
Hexachlorobenzene									

SITE NAME: BELLPORT LAUNDRY
TDD#: 02-8909-05
SAMPLING DATE: 10/19/89
EPA CASE NO.: 12974 LAB: COMPUCHEM

SEMI-VOLATILES									
Sample ID No.	NYIA-S1(MS/MSD)	NYIA-S2	NYIA-S3	NYIA-S4	NYIA-S5(DUP)	NYIA-S6	NYIA-S7	NYIA-S8	NYIA-GW1(MS/MSD)
Traffic Report No.	B8A98	B8A99	B8W90	B8A45	B8A46	B8A47	B8A48	B8R58	B8A87
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1
Percent Moisture	19	20	10	12	10	11	16	22	--
Pentachlorophenol									
Phenanthrene		J		J	J				
Anthracene									
Di-n-butylphthalate							J		
Fluoranthene	J	J		J	400 E				
Pyrene	J	J		J	J				
Butylbenzylphthalate					J				
3,3'-Dichlorobenzidine									
Benzo(a)anthracene				J	J				
Chrysene	J	J		J	J				
bis(2-Ethylhexyl)phthalate	J	1800 E	J	J	J	J	J	J	
Di-n-octylphthalate		J							
Benzo(b)fluoranthene		J	JN	JN	JN				
Benzo(k)fluoranthene	J	J	JN	JN	JN				
Benzo(a)pyrene				J	J				
Indeno(1,2,3-cd)pyrene									
Dibenz(a,h)anthracene									
Benzo(g,h,i)perylene									

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: BELLPORT LAUNDRY
TDD#: 02-8909-05
SAMPLING DATE: 10/19/89
EPA CASE NO.: 12974 LAB: COMPUCHEM

SEMI-VOLATILES										
Sample ID No.	NYIA-GW2	NYIA-GW3(DUP)	NYIA-GW4	NYIA-GW5	NYIA-GW6	NYIA-GW7	NYIA-RINI	NYIA-RIN2	NYIA-RIN3	NYIA-TBLK1
Traffic Report No.	BBA88	BBA89	BBA90	BBA91	BBA96	BBA96	BBA84	BBA85	BBA86	BBA83
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1	N/A
Percent Moisture	--	--	--	--	--	--	--	--	--	N/A
Phenol										
bis(2-Chloroethyl)ether										
2-Chlorophenol										
1,3-Dichlorobenzene										
1,4-Dichlorobenzene										
Benzyl alcohol										
1,2-Dichlorobenzene										
2-Methylphenol										
bis(2-Chloroisopropyl)ether										
4-Methylphenol										
N-Nitroso-di-n-dipropylamine										
Hexachloroethane										
Nitrobenzene										
Isophorone										
2-Nitrophenol										
2,4-Dimethylphenol										
Benzoic acid										
bis(2-Chloroethoxy)methane										
2,4-Dichlorophenol										
1,2,4-Trichlorobenzene										
Naphthalene										
4-Chloroaniline										
Hexachlorobutadiene										
4-Chloro-3-Methylphenol										
2-Methylnaphthalene										
Hexachlorocyclopentadiene										
2,4,6-Trichlorophenol										
2,4,5-Trichlorophenol										
2-Chloronaphthalene										
2-Nitroaniline										
Dimethylphthalate										
Acenaphthylene										
2,6-Dinitrotoluene										
3-Nitroaniline										
Acenaphthene										
2,4-Dinitrophenol										
4-Nitrophenol										
Dibenzofuran										
2,4-Dinitrotoluene										
Diethylphthalate										
4-Chlorophenyl-phenyl ether										
Fluorene										
4-Nitroaniline										
4,6-Dinitro-2-methylphenol										
N-nitrosodiphenylamine										
4-Bromophenyl-phenyl ether										
Hexachlorobenzene										

SITE NAME: BELLPORT LAUNDRY
TDD#: 02-8909-05
SAMPLING DATE: 10/19/89
EPA CASE NO.: 12974 LAB: COMPUCHEM

SEMI-VOLATILES										
Sample ID No.	NY1A-GW2	NY1A-GW3(DUP)	NY1A-GW4	NY1A-GW5	NY1A-GW6	NY1A-GW7	NY1A-RIN1	NY1A-RIN2	NY1A-RIN3	NY1A-TBLK1
Traffic Report No.	B9A88	B9A89	B9A90	B9A91	B9AS96	B9AH96	B9AB4	B9AB5	B9AB6	B9AB3
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1	N/A
Percent Moisture	—	—	—	—	—	—	—	—	—	N/A
Pentachlorophenol										
Phenanthrene										
Anthracene										
Di-n-butylphthalate										
Fluoranthene										
Pyrene										
Butylbenzylphthalate										
3,3'-Dichlorobenzidine										
Benzo(a)anthracene										
Chrysene										
bis(2-Ethylhexyl)phthalate										
Di-n-octylphthalate										
Benzo(b)fluoranthene										
Benzo(k)fluoranthene										
Benzo(a)pyrene										
Indeno(1,2,3-cd)pyrene										
Dibenz(a,h)anthracene										
Benzo(g,h,i)perylene										

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: BELLPORT LAUNDRY
TDD#: 02-8909-05
SAMPLING DATE: 10/19/89
EPA CASE NO.: 12974 LAB: COMPUCHEM

PESTICIDES									
Sample ID No.	NYIA-S1(MS/MSD)	NYIA-S2	NYIA-S3	NYIA-S4	NYIA-S5(DUP)	NYIA-S6	NYIA-S7	NYIA-S8	NYIA-GW1(MS/MSD)
Traffic Report No.	BBA98	BBA99	BBA90	BBA45	BBA46	BBA47	BBA48	BBA58	BBA87
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L
Dilution Factor/GPC Cleanup (Y)	4	1	1	1	1	1	1	1	1
Percent Moisture	19	20	10	12	10	11	16	22	--
alpha-BHC									
beta-BHC	91 E								
delta-BHC									
gamma-BHC (Lindane)									
Heptachlor									
Aldrin									
Heptachlor epoxide									
Endosulfan I									
Dieldrin			33 E						
4,4'-DDE									
Endrin	320 E								
Endosulfan II									
4,4'-DDD				43 E	45 E				
Endosulfan sulfate									
4,4'-DDT	85 E			56 E	43 E				
Methoxychlor									
Endrin ketone									
alpha-Chlordane	1000 E								
gamma-Chlordane	1100 E								
Toxaphene									
Aroclor-1016									
Aroclor-1221									
Aroclor-1232									
Aroclor-1242									
Aroclor-1248									
Aroclor-1254									
Aroclor-1260									

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: BELLPORT LAUNDRY
TDD#: 02-8909-05
SAMPLING DATE: 10/19/89
EPA CASE NO.: 12974 LAB: COMPUCHEM

PESTICIDES										
Sample ID No.	NYIA-GW2	NYIA-GW3(DUP)	NYIA-GW4	NYIA-GW5	NYIA-GW6	NYIA-GW7	NYIA-RIN1	NYIA-RIN2	NYIA-RIN3	NYIA-TBLK1
Traffic Report No.	BBA88	BBA89	BBA90	BBA91	BBA96	BBA96	BBA84	BBA85	BBA86	BBA83
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	1	1	1	1	1	1	1	1	1	N/A
Percent Moisture	--	--	--	--	--	--	--	--	--	N/A
alpha-BHC										
beta-BHC										
delta-BHC										
gamma-BHC (Lindane)										
Heptachlor										
Aldrin										
Heptachlor epoxide										
Endosulfan I										
Dieldrin										
4,4'-DDE										
Endrin										
Endosulfan II										
4,4'-DDD										
Endosulfan sulfate										
4,4'-DDT										
Methoxychlor										
Endrin ketone										
alpha-Chlordane										
gamma-Chlordane										
Toxaphene										
Aroclor-1016										
Aroclor-1221										
Aroclor-1232										
Aroclor-1242										
Aroclor-1248										
Aroclor-1254										
Aroclor-1260										

NOTES:
Blank space - compound analyzed for but not detected
B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
E - estimated value
J - estimated value, compound present below CRQL but above IDL
R - analysis did not pass EPA QA/QC
N - Presumptive evidence of the presence of the material
NR - analysis not required
Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: BELLPORT LAUNDRY
TDD#: 02-8909-05
SAMPLING DATE: 10/19/89
EPA CASE NO.: 12974
LAB NAME: SILVER VALLEY

INORGANICS									
Sample ID No.	NYIA-S1(MS/MSD)	NYIA-S2	NYIA-S3	NYIA-S4	NYIA-S5(DUP)	NYIA-S6	NYIA-S7	NYIA-S8	NYIA-GW1(MS/MSD)
Traffic Report No.	MBZ597	MBZ598	MBZ599	MBZ600	MBZ601	MBZ602	MBZ603	MBZ604	MBZ564
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L
Aluminum	9380	3720	4080	2350	2330	6270	10500	3340	545 E
Antimony			J		J				
Arsenic	3.8 E	3.2 E	2.4 E	3.9 E	73.9 E	J	5 E	12.2 E	
Barium	J	J	J	J	J	J	J	J	J
Beryllium	J	J			J	J	J	J	J
Cadmium									
Calcium	2000.	4830	1270	2190	2180	J	J	5270	15200 E
Chromium	13.7	7.3	7.8	7.4 E	22.5 E	7.1	10.3	5.8	
Cobalt	J		J	J	J	J	J	J	
Copper	8	10.1	8.9	J	12.7	J	8.1	17.9	956 E
Iron	9240	5380	5530	3900	3680	6340	9840	5020	4500 E
Lead	55.5	73	107	56.4	57.4	19.4	27.9	110	R
Magnesium	1340	1560	J	1250	1110	J	J	1990	J
Manganese	99.8	112	62.1	47.2	43.5	48.4	53.9	105	52.6 E
Mercury									
Nickel	J								
Potassium	J	J		J	J	J	J	J	J
Selenium		J		J			1.7 E		
Silver	R	R	R	R	R	R	R	R	R
Sodium	J	J			J	J		J	21000 E
Thallium									
Vanadium	21.8	J	11	18.9	16.2	12.5	19.3	J	
Zinc	37 E	52.5 E	56.5 E	32.2 E	33.4 E	12.7 E	23.7 E	52.8 E	192 E

NOTES:
Blank space - compound analyzed for but not detected
E - estimated value
J - estimated value, compound present below CRDL but above IDL
R - analysis did not pass EPA QA/QC
NR - analysis not required

SITE NAME: BELLPORT LAUNDRY
TDD#: 02-8909-05
SAMPLING DATE: 10/19/89
EPA CASE NO.: 12974
LAB NAME: SILVER VALLEY

INORGANICS										
Sample ID No.	NYIA-GW2	NYIA-GW3(DUP)	NYIA-GW4	NYIA-GW5	NYIA-GW6	NYIA-GW7	NYIA-RIN1	NYIA-RIN2	NYIA-RIN3	NYIA-TRLK1
Traffic Report No.	MBZ565	MBZ566	MBZ589	MBZ590	MBZ608	MBZ609	MBZ561	MBZ562	MBZ563	N/A
Matrix	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	N/A
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	J	J	J	775 E	J	J	J	J	J	NR
Antimony										NR
Arsenic										NR
Barium				J	J	J				NR
Beryllium				J	J					NR
Cadmium										NR
Calcium	7940 E	7880 E	7420 E	J	11400 E	J	J	J		NR
Chromium		J								NR
Cobalt										NR
Copper	57.1 E	57.7 E	J	J	J					NR
Iron	284 E	258 E	173 E	J	812 E	664 E	J	J	J	NR
Lead	R	78 E	R	R	R	R	J	3.6 E	J	NR
Magnesium	J	J	J	J	J	J				NR
Manganese	J	J	J	107 E	138 E	21.5 E				NR
Mercury	0.24 E	0.28 E	0.36 E		0.24 E					NR
Nickel										NR
Potassium	J	J		J	J	J				NR
Selenium										NR
Silver	R	R	R	R	R	R	R	R	R	NR
Sodium	12400 E	12200 E	9150 E	6650 E	13200 E	13300 E				NR
Thallium										NR
Vanadium										NR
Zinc	7970 E	7970 E	1350 E	48.7 E	55.5 E	246 E	J	J	J	NR

NOTES:
Blank space - compound analyzed for but not detected
E - estimated value
J - estimated value, compound present below CRDL but above IDL
R - analysis did not pass EPA QA/QC
NR - analysis not required

- COPY OF CLP DATA

(REDLINED AND MARKED)

- COMPUTER QA'd PRINTOUT

SITE NAME: Bellport Laundry

CASE# AND/OR SAS#: 12974

BRICS#: NYIA

TDD#: 02-8909-05

ATTACHMENT 1
SOP NO. HW-6

TOTAL REVIEW

CLP DATA ASSESSMENT

Functional Guidelines for Evaluating Organics Analysis

Case No. 12974 SDG No BAH96 waters & BAW90 soils LABORATORY Compuchem Bellport Laundry

DATA ASSESSMENT:

The current functional guidelines (1988) for evaluating organic data have been applied.

All data are valid and acceptable except those analytes which have been qualified with a "J" (estimated), "U" (non-detects), "R" (unusable), or "JN" (presumptive evidence for the presence of the material at an estimated value). All action is detailed on the attached sheets.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Reviewer's Signature: Valerie A. [signature] Date: 12/7/1989

Verified By: Pamela [signature] Date: 12/15/1989

ATTACHMENT 1
SOP NO. HW-6

DATA ASSESSMENT:

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

The following action was taken in the samples and analytes shown due to excessive holding time.

VOA - Water According to the case narrative BBA89 was analyzed outside of holding time, the sample was taken 12/19/89 + analyzed 1/1/89 which is exactly 14 days & within the SOW criteria. No action taken.

VOA soils - Holding time was exceeded by 2 days on all soil samples. All analytes in BAW90, BBA45,46,47,48,58, 98+99 were flagged estimated (J).

BNA soil - extraction time for all soil samples were excuded by 4 to 7 days, therefore all analytes were flagged estimated (J) in BAW90, BBA45,46,47,48,58,98+99.

Pest soil - extraction time for all soil samples were exceeded by 3 days, therefore all analytes were flagged estimated (J) in BW90, BBA45,46,47,48,58,98+99.

ATTACHMENT 1
SOP NO. HW-6

DATA ASSESSMENT:

2. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip field, rinse and water blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross- contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for the common contaminants), the analytes are qualified as non- detects, "U". The following analytes in the samples shown were qualified with "U" for these reasons:

A) Method blank contamination

VOA waters - Methylene Chloride was flagged non-detect (U) in BBA ~~84~~, ~~85~~, ~~86~~, 88, 89, 90 & 91.

VOA soils - Methylene Chloride & acetone were flagged non detect (U) in BAW90, BBA45, 46, 47, 48, 58, 98+99.
- Chloroform was flagged non detect (U) in BBA58.

B) Field or rinse blank contamination ("water blanks" or "distilled water blanks" are validated like any other sample)

C) Trip blank contamination

ATTACHMENT 1
SOP NO. HW-6

DATA ASSESSMENT:

3. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds, and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is bromofluorobenzene (BFB) and for semi-volatiles is decafluorotriphenyl- phosphine (DFTPP).

If the mass calibration is in error, all associated data will be classified as unusable, "R".

DATA ASSESSMENT:

4. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) RESPONSE FACTOR:

The response factor measures the instrument's response to specific chemical compounds. The response factor for the Target Compound List (TCL) must be ≥ 0.05 in both the initial and continuing calibrations. A value < 0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound will be rejected ("R").

VOA-Water - 2 Butanone was rejected (R) in BBA83+87 due to RRF<.05 in ~~cont~~ 8 continuing calibration.

VOA soils - Methylene chloride & 2 Butanone %RSD 750 in BBA58+98. These analytes were previously flagged (J) estimated due to holding times exceeding. No Further action taken.

- Acetone %D 750 in BAW90, BBA45, 46, 47, 48 +99 & Chloroethane %D 750 in BBA58+98. These analytes were previously flagged estimated (J) due to exceeding holding times. No further action taken.

BN waters - Benzo(b)fluoranthene + benzo(k)fluoranthene were flagged estimated (J) in BAA96 due to %D 750.

BNA soils - 4-nitrophenol, 2-nitroaniline, & bis(2chloroisopropyl)ether were rejected (R) in BBA99 due to %D 790.

- N-Nitroso-di-N-propylamine, nitrobenzene, 4-nitroaniline & 3,3'-Dichlorobenzidine %D 750. No action taken, these analytes were previously flagged (J) due to exceeding hold t

DATA ASSESSMENT:

5. CALIBRATION:

A) PERCENT RELATIVE STANDARD DEVIATION (%RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <30% and %D must be <25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ" (if %D or RSD >50%). If there is a gross deviation of %RSD and %D, the non-detects may be rejected ("R").

For the PCB/PESTICIDE fraction, %RSD for aldrin, endrin, DDT, and dibutylchlorendate must not exceed 10%. Percent D must be within 15% on the quantitation column and 20% on the confirmation column.

VOA - 2-Butanone was flagged estimated (J) in BAH96, BBA84, ~~85~~ BBA85, BBA86, BBA88, BBA89, BBA90 & BBA91 due to %D 750.

see previous page for BNA's

DATA ASSESSMENT:

6. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate concentrations were outside contract specifications, qualifications were applied to the samples and analytes as shown below.

DATA ASSESSMENT:

7. INTERNAL STANDARDS PERFORMANCE:

Internal standard (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than ±30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction.

DATA ASSESSMENT:

8. COMPOUND IDENTIFICATION:

A) VOLATILE AND SEMI-VOLATILE FRACTIONS:

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within ± 0.06 RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications.

B) PESTICIDE FRACTION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10 ng/ml in the final sample extract.

A - Soils - 2methylphenol in BBA99 was rejected (R) due to incorrect spectral identification.

BN - Soils - Benzo(b)fluoranthene & benzo(k)fluoranthene were flagged presumptive (N) due to coeluting.

Pest - Soil - 4,4'DDT was flagged nondetect (U) in BBA99 due to lack of confirmation.

DATA ASSESSMENT:

9. MATRIX SPIKE/SPIKE DUPLICATE, MS/MSD:

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD may be used in conjunction with other QC criteria for some additional qualification of the data.

ATTACHMENT 1
SOP NO. HW-6

DATA ASSESSMENT:

10. OTHER QC DATA OUT OF SPECIFICATION:

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT (continued on next page if necessary):

— Missing ROA soil chromatogram for BBA46, 58 & 99.

12. CONTRACT PROBLEMS____NON-COMPLIANCE:

13. This package contains re-extraction, re-analysis or dilution. Upon reviewing the QA results, the following form I(s) are identified to be used.

DATA ASSESSMENT:

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT (continued):

1. CASE NARRATIVE

This document shall be clearly labeled "Case Narrative" and shall contain: laboratory name; case number; sample numbers in the Sample Delivery Group (SDG), differentiating between initial analyses and re-analyses; SDG number; Contract number; and detailed documentation of any quality control, sample, shipment and/or analytical problems encountered in processing the samples reported in the data package.

Whenever data from sample re-analyses are submitted, the Contractor shall state in the Case Narrative for each re-analysis, whether it considers the re-analysis to be billable, and if so, why.

The contactor must also include documentation of any internal quality control processes used, a summary of corrective actions taken, and the resolution.

COMPUCHEM LABORATORIES

EPA CASE NARRATIVE--CASE# 12974
Contract No. 68-01-7397 SDG# BAW90
CompuChem Laboratories, Inc.

Sample Numbers: BAW90, BBA45, BBA46, BBA47, BBA48, BBA58, BBA98, BBA99

This portion of Case #12974 consisted of 8 soil samples for volatile, semivolatile, and pesticide analysis. The samples were received intact via Federal Express on 10-21-89 in properly sealed shipping containers with traffic reports. The pH values of the samples were within the range specified in EPA protocols. Moisture content of the samples ranged from 10% to 22%.

VOLATILES:
All volatile fractions were analyzed within holding time requirements. TCL compounds present included methylene chloride, acetone, toluene, chloroform, and tetrachloroethene. No tentatively identified compounds were present. All surrogate recovery criteria were met. All method blanks were acceptable. The QC matrix spike/matrix spike duplicate results were acceptable.

SEMIVOLATILES:
All semivolatile fractions were initially extracted and analyzed within holding time requirements. Sample BBA99 required reextraction which could not be performed within holding time requirements. TCL compounds were present in all the samples, usually at low levels. All samples contained tentatively identified compounds, some of which were attributable to aldol condensation. Any co-eluting TCL compounds were flagged with an "X" on Form I. All surrogate recovery criteria were met. The QC matrix spike/matrix spike duplicate results were acceptable. The recoveries of 1,2,4-trichlorobenzene and 2,4-dinitrotoluene exceeded QC limits in the MS/MSD. The recovery of pentachlorophenol exceeded QC limits in the MSD.

PESTICIDES:
All pesticide fractions were extracted and analyzed within holding time requirements. Sample BAW90 contained dieldrin. Samples BBA45 and BBA46 contained 4,4'-DDD and 4,4'-DDT. Sample BBA99 contained 4,4'-DDT. Sample BBA98 contained beta-BHC, endrin, 4,4'-DDT, alpha-chlordane, and gamma-chlordane. The presence of alpha-chlordane and gamma-chlordane was confirmed by GC/MS in sample BBA98. Sample BBA98 required a dilution and no surrogate recovery data were available. None of the other samples contained any reportable levels of TCL compounds. Spike and surrogate recovery data were not available for the MS/MSD due to the required dilution. The associated blank spike was reported and met all QC criteria. The differences in the amounts of TCL compounds present in the original sample and MS/MSD were attributed to sample

COMPUCHEM LABORATORIES

inhomogeneity. A qualifier was included with the MS/MSD. All surrogate recovery criteria not mentioned above were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Note: This report was paginated for reference and accountability in decreasing numerical sequence.

Janet C. Garrett 11-14-89
Janet C. Garrett 11-14-89
Technical Reviewer

COMPUCHEM LABORATORIES, INC. P.O. Box 12652 3308 Chapel Hill/Nelson Highway Research Triangle Park, NC 27709 (919) 549-8263

1467

DETECTION LIMIT CALCULATION CLARIFICATION

To protect our GC columns from unnecessary contamination, soil samples prepared according to Caucus Protocol methods are routinely diluted 5:1. Through a series of experiments we have determined that our Instrument Detection Limit for pesticides is 5X lower than the EPA Contract Required Quantitation Limit (CRQL). We, therefore, only adjust our detection limits if the dilution necessary to analyze the sample is greater than 5:1. If the sample is diluted by a factor of X the detection limit is adjusted by $\frac{X}{5}$ instead of X.

Bill DesJardins
Manager, GC Laboratory

Bob Meierer
Director, Quality Assurance

LABORATORY NOTICE

On June 15, 1985 CompuChem Laboratories began adding D3-2,4-Dinitrophenol to all standards and samples. The purpose of this addition is to enable the laboratory to have higher and more consistent analytical sensitivity for the native 2,4-Dinitrophenol. The peak corresponding to the deuterated analog is clearly labeled on each RIC as D3#1 and will not be searched and reported as a tentatively identified compound (TIC). This compound is not being used as an internal or surrogate standard.

L. Richard Flynn,
Development Chemist

Bob Metzger,
Director of Quality Assurance

COMPUCHEM LABORATORIES

QUALITY ASSURANCE NOTICE

With the advent of the new organics Statement of Work (SOW 2/88, Revision: 9/88) participants in EPA's Contract Laboratory Program (CLP) are required to provide hard copy and diskette deliverables. CompuChem employs the Finnigan QA Formaster Program (Format A) to generate these requirements using data files from our analytical instrumentation. Currently, and independently, quantitation reports are generated by the instruments and are used with CompuChem-developed software to calculate results. The GC and GC/MS quantitation routines employ the convention of carrying at least one extra significant figure until the mathematical computations are completed. Then, the quantitative results are rounded to the SOW-required number of significant figures for reporting. In addition, the algorithm used by the Formaster Program is slightly different than that employed in Compuchem's software routines. Therefore, results presented in the supportive data supplied with our deliverables packages may be slightly different than those which appear on the hard copy forms generated via Formaster.

This notice serves to alert the end users of these data packages as to the reason why slight differences may be observed.

Robert E. Meierer

Robert E. Meierer
Director of Quality Assurance

QUALITY ASSURANCE NOTICE

Specific guidelines are presented in the EPA CLP Organic Statement of Work for the positive qualitative identification of compounds through mass spectral interpretation. Applying these guidelines absolutely may not be possible when the nature of the sample is less than pure reference material. Where the mass spectral pattern of a compound to be identified demonstrates interferences or coelution from one or more additional compounds, either unknowns, internal standards, or surrogate standards, the "+" sign is added to the top of the dual spectra page.

Linda Fowler 4/10/89

Linda Fowler
Sr. Quality Assurance Specialist

Robert E. Meierer 4/12/89

Robert E. Meierer
Vice President, Quality Assurance

SAMPLE DATA PACKAGE

2. TRAFFIC REPORTS

A copy of the Sample Traffic Reports in Item A for all of the samples in the SDG. The Traffic Reports shall be arranged in increasing EPA number order, considering both letters and numbering in ordering samples.

1. CASE NARRATIVE

This document shall be clearly labeled "Case Narrative" and shall contain: laboratory name; case number; sample numbers in the Sample Delivery Group (SDG), differentiating between initial analyses and re-analyses; SDG number; Contract number; and detailed documentation of any quality control, sample, shipment and/or analytical problems encountered in processing the samples reported in the data package.

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The contactor must also include documentation of any internal quality control processes used, a summary of corrective actions taken, and the resolution.

COMPUCHEM LABORATORIES

EPA CASE NARRATIVE -- CASE 12974
SDG NO. BBA83
Contract No. 68-01-7397
Compuchem Laboratories, Inc.

Samples: BAH96, BAS96, BBA83, BBA84, BBA85, BBA86, BBA87, BBA88, BBA89, BBA90, BBA91

Attached are pertinent Quality Assurance Notices dealing with the analysis of eleven (11) water samples associated with Case 12974, SDG No.BBA83. The samples were received intact on 10/21/89 in properly sealed shipping containers with the corresponding traffic reports. The courier was Federal Express. The samples were logged into the Compuchem Laboratory Management system and scheduled for the analysis of the volatile, semi-volatile, and pesticide fractions. This case narrative pertains only to the volatile and the semi-volatile fractions.

VOLATILES
With one exception, the samples were analyzed within the proper holding time requirements. Sample BBA89 was analyzed outside of holding time limits. There were no EPA Target Compound List (TCL) analytes found in sample BBA87. TCL compounds were present in the remaining samples ranging in number per fraction from one (1) to five (5). None of the samples contained any Tentatively Identified Compounds (TIC).

In the volatile fractions, with one exception, recovery and RPD values met QC limits in the matrix spike, BBA87 MS, and the matrix spike duplicate, BBA87 MSD. Spiking compound 1,1-Dichloroethene failed RPD limits. In addition to the spiking compounds, Methylene Chloride was present in the MS and the MSD. In the volatile blank VBLKUA, Methylene Chloride was found. There were no TCL analytes found in the remaining two volatile blanks. None of the blanks contained any TICs. Surrogate recovery values for the samples, blanks, and the duplicate sample spikes passed contract required QC limits. All other data generated from the MS/MSD met QC acceptance criteria.

SEMI-VOLATILES
The samples were extracted and analyzed within holding time limits. None of the samples contained any TCL compounds. TICs were found in samples BBA91, BBA90, and BBA88 ranging in number per fraction from one (1) to two (2). None of the remaining samples contained any TICs.

COMPUCHEM LABORATORIES

In the semi-volatile fractions, recovery and RPD values met QC limits in the matrix spike, BBA87 MS, and the matrix spike duplicate, BBA87 MSD. There were neither any TCL analytes nor TICs found in either of the two associated method blanks. Surrogate recovery values for the samples, blanks, and the sample spikes met QC requirements. In both the volatile and the semi-volatile fractions, initial and continuing calibration criteria were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature:

Cynthia E. Edwards 11/08/89

Cynthia E. Edwards
Technical Reviewer
08 November 1989

Note: This report is paginated for reference and accountability in decreasing numerical sequence.

COMPUCHEM LABORATORIES

Case Narrative #12974
SDG #BBA83
Contract #68-01-7397
CompuChem Laboratories, Inc.

SAMPLE IDENTIFICATIONS: BAH96, BAS96, BBA84, BBA85, BBA86, BBA87, BBA88, BBA89, BBA90, BBA91

All pertinent Quality Assurance and Laboratory notices for CASE# 12974, SDG# BBA83 are included in the sample data package.

PESTICIDES:

There were no Target Compound List pesticides confirmed above the Contract Required Quantitation Limits in these samples. The assocaited method blank and duplicate matrix spikes met all quality control requirements.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data contained in the hardcopy data package and in the computer-readable data submitted on the floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Daniel Boone 11/06/89

Daniel E. Boone, Jr. DATE 11/06/89
TECHNICAL REVIEWER

Note: This report is paginated for reference and accountability in decreasing numerical sequence.

COMPUCHEM
LABORATORIES

QUALITY ASSURANCE NOTICE

With the advent of the new organics Statement of Work (SOW 2/88, Revision: 9/88) participants in EPA's Contract Laboratory Program (CLP) are required to provide hard copy and diskette deliverables. CompuChem employs the Finnigan QA Formaster Program (Format A) to generate these requirements using data files from our analytical instrumentation. Currently, and independently, quantitation reports are generated by the instruments and are used with CompuChem-developed software to calculate results. The GC and GC/MS quantitation routines employ the convention of carrying at least one extra significant figure until the mathematical computations are completed. Then, the quantitative results are rounded to the SOW-required number of significant figures for reporting. In addition, the algorithm used by the Formaster Program is slightly different than that employed in Compuchem's software routines. Therefore, results presented in the supportive data supplied with our deliverables packages may be slightly different than those which appear on the hard copy forms generated via Formaster.

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Robert E. Meierer

Robert E. Meierer
Director of Quality Assurance

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA98

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297011

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097011B03

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 19 Date Analyzed: 10/31/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	38	U B
67-64-1	Acetone	15	U 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	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	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	12	U
591-78-6	2-Hexanone	12	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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA98

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297011

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097011B03

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 19 Date Analyzed: 10/31/89

Column (pack/cap) CAP 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

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA99

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297012

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097012A19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 20 Date Analyzed: 10/31/89

Column: (pack/cap) CAP 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	55	BU
67-64-1	Acetone	66	BU
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	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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA99

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297012

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097012A19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 20 Date Analyzed: 10/31/89

Column (pack/cap) CAP 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

FORM I VOA-TIC 1/87 Rev.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BAW90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 296990

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH096990C19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 Date Analyzed: 10/31/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U J
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	14	U B
67-64-1	Acetone	27	U 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 J
79-34-5	1,1,2,2-Tetrachloroethane	6	U J
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	6	U J
100-41-4	Ethylbenzene	6	U
100-42-5	Styrene	6	U
1330-20-7	Total Xylenes	6	U J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BAW90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 296990

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH096990C19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 Date Analyzed: 10/31/89

Column (pack/cap) CAP 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.

BBA45

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297000

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097000C19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 12 Date Analyzed: 10/31/89

Column: (pack/cap) CAP 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	18	BU
67-64-1	Acetone	21	BU
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	1	J
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	25	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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA45

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297000

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097000C19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 12 Date Analyzed: 10/31/89

Column (pack/cap) CAP 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.

BBA46

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297002

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097002C19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 Date Analyzed: 10/31/89

Column: (pack/cap) CAP 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	19	U B
67-64-1	Acetone	22	U 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	26	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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: BBA46

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297002

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097002C19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 Date Analyzed: 10/31/89

Column (pack/cap) CAP 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.

BBA47

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097003C19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 11 Date Analyzed: 10/31/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U J
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	11	U
67-64-1	Acetone	21	U
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 J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA47

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097003C19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 11 Date Analyzed: 10/31/89

Column (pack/cap) CAP 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.

BBA48

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297005

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097005A19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 16 Date Analyzed: 10/31/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	42	U B
67-64-1	Acetone	12 10	U 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	2	J
107-06-2	1,2-Dichloroethane	6	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
108-05-4	Vinyl Acetate	12	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	12	U
591-78-6	2-Hexanone	12	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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA48

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297005

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097005A19

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 16 Date Analyzed: 10/31/89

Column (pack/cap) CAP 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.

BBA58

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097006B03

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 22 Date Analyzed: 10/31/89

Column: (pack/cap) CAP 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	56	B
67-64-1	Acetone	32	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	2	BJ
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA58

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: GH097006B03

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 22 Date Analyzed: 10/31/89

Column (pack/cap) CAP 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

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA87

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297037

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097037A23

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column: (pack/cap) CAP 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~~ R
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA87

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297037

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097037A23

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column (pack/cap) CAP Dilution Factor: 1.0

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.

BBA88

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297039

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097039B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	4	J
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 ~~1~~	~~BJ~~ 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 J
71-55-6	1,1,1-Trichloroethane	2	J
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	4	J
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA88

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297039

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097039B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ Date Analyzed: 10/31/89

Column (pack/cap) CAP Dilution Factor: 1.0

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.

BBA89

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297040

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR097040C18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ Date Analyzed: 11/01/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	4	J
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 ~~3~~	~~BJ~~ 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	2	J
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	
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA89

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297040

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CR097040C18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 11/01/89

Column (pack/cap) CAP Dilution Factor: 1.0

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.

BBA90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297041

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097041B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column: (pack/cap) CAP 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	~~B~~ U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	4	J
75-34-3	1,1-Dichloroethane	8	
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 J
71-55-6	1,1,1-Trichloroethane	29	
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	12	
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297041

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097041B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column (pack/cap) CAP Dilution Factor: 1.0

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.

BBA91

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297042

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097042B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column: (pack/cap) CAP 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 ~~1~~	~~B~~ 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 J
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA91

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297042

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097042B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column (pack/cap) CAP Dilution Factor: 1.0

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.

BAS96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297044

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097044B11

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column: (pack/cap) CAP 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	1	J
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BAS96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297044

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097044B11

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column (pack/cap) CAP Dilution Factor: 1.0

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.

BAH96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297043

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097043B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column: (pack/cap) CAP 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 J
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	1	J
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

SUMMARY

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BAH96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297043

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097043B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column (pack/cap) CAP Dilution Factor: 1.0

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.

BBA84

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297021

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097021B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	8	J
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	BJ
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	2	J
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	UJ
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA84

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297021

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097021B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column (pack/cap) CAP Dilution Factor: 1.0

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.

BBA85

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297030

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097030B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	16	
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	2	BJ
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	2	J
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA85

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297030

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097030B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column (pack/cap) CAP Dilution Factor: 1.0

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.

BBA86

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297032

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097032B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	12	
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	1	BJ
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	1	J
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U J
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA86

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297032

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097032B18

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column (pack/cap) CAP Dilution Factor: 1.0

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.

BBA83

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297013

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097013A23

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column: (pack/cap) CAP 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	3	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	2	J
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	1	J
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U R
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

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA83

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAH96

Matrix: (soil/water) WATER Lab Sample ID: 297013

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: CN097013A23

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ Date Analyzed: 10/31/89

Column (pack/cap) CAP Dilution Factor: 1.0

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA98

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297011

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097011B22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 19 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/31/89

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl Alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
39638-32-9	bis(2-Chloroisopropyl)Ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
65-85-0	Benzoic Acid	240	J
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA98

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297011

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097011B22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 19 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/31/89

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	410	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
84-74-2	Di-n-Butylphthalate	410	U
206-44-0	Fluoranthene	90	J
129-00-0	Pyrene	61	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	820	U
56-55-3	Benzo(a)Anthracene	410	U
218-01-9	Chrysene	49	J
117-81-7	bis(2-Ethylhexyl)Phthalate	100	J
117-84-0	Di-n-Octyl Phthalate	410	U
205-99-2	Benzo(b)Fluoranthene	410	U
207-08-9	Benzo(k)Fluoranthene	42	J
50-32-8	Benzo(a)Pyrene	410	U
193-39-5	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3	Dibenzo(a,h)Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

BBA98

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297011

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097011B22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 19 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 10/31/89

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00

Number TICs found: 22

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.85	1600	J N
2.		ALDOL	6.05	1000	~~NJ~~ R
3.		ALDOL	6.60	780	~~NJ~~ R
4.		UNKNOWN	7.28	1200	J N
5.		UNKNOWN	16.05	290	J
6.	57-74-9	CHLORDANE	16.37	1200	J
7.	57-74-9	CHLORDANE	16.57	1600	J
8.		UNKNOWN CHLORINATED HYDROCAR	16.64	860	J
9.		UNKNOWN CHLORINATED HYDROCAR	17.45	290	J
10.		UNKNOWN	17.62	410	J
11.		UNKNOWN HYDROCARBON	18.32	370	J
12.		UNKNOWN HYDROCARBON	19.39	660	J
13.		UNKNOWN SUBST. HYDROCARBON	19.90	330	J
14.		UNKNOWN	20.12	820	J
15.		UNKNOWN HYDROCARBON	20.45	1600	J
16.		UNKNOWN HYDROCARBON	21.72	1700	J
17.		UNKNOWN	22.05	410	J
18.		UNKNOWN	22.24	290	J
19.		UNKNOWN	23.39	490	J
20.		UNKNOWN	23.69	450	J
21.		UNKNOWN	23.89	1200	J
22.		UNKNOWN	24.32	3000	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NC: BBA99

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297012

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR097012A21

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 20 dec. ____ Date Extracted: 11/03/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/07/89

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	180	J
111-44-4	bis(2-Chloroethyl)Ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl Alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	58	J
39638-32-9	bis(2-Chloroisopropyl)Ether	410	U
106-44-5	4-Methylphenol	1000	J
621-64-7	N-Nitroso-Di-n-Propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	58	J
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)Methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	64	J
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-Methylphenol	410	U
91-57-6	2-Methylnaphthalene	53	J
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethyl Phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA99

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297012

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR097012A21

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 20 dec. ____ Date Extracted: 11/03/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/07/89

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	410	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-Methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	99	J
120-12-7	Anthracene	410	U
84-74-2	Di-n-Butylphthalate	410	U
206-44-0	Fluoranthene	100	J
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	830	U
56-55-3	Benzo(a)Anthracene	410	U
218-01-9	Chrysene	56	J
117-81-7	bis(2-Ethylhexyl)Phthalate	1800	J
117-84-0	Di-n-Octyl Phthalate	59	J
205-99-2	Benzo(b)Fluoranthene	74	J
207-08-9	Benzo(k)Fluoranthene	74	J
50-32-8	Benzo(a)Pyrene	410	U
193-39-5	Indeno(1,2,3-cd)Pyrene	410	U
53-70-3	Dibenzo(a,h)Anthracene	410	U
191-24-2	Benzo(g,h,i)Perylene	410	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.: BBA99

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297012

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GR097012A21

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 20 dec. ____ Date Extracted: 11/03/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/07/89

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.00

Number TICs found: 23 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.72	1400	J N
2.		ALDOL	5.93	2100	J
3.		ALDOL	6.05	330	J
4.		ALDOL	6.45	420	J
5.		UNKNOWN	12.52	460	J
6.		UNKNOWN	13.65	620	J N
7.	57-10-3	HEXADECANOIC ACID	14.40	960	J
8.		UNKNOWN	14.87	500	J
9.		UNKNOWN	15.19	830	J
10.		UNKNOWN	15.45	420	J
11.	544-76-3	HEXADECANE	16.35	500	J
12.		UNKNOWN	16.65	670	J
13.		UNKNOWN	16.70	710	J
14.		UNKNOWN HYDROCARBON	17.37	2000	J
15.		UNKNOWN	17.85	460	J
16.		UNKNOWN	18.34	5800	J
17.		UNKNOWN	19.10	960	J
18.		HEXATRIACONTANE ISOMER	19.49	9200	J
19.		HEXATRIACONTANE ISOMER	21.09	3700	J
20.		UNKNOWN	21.19	8300	J
21.		UNKNOWN	23.60	2500	J
22.		UNKNOWN	23.85	2600	J
23.		UNKNOWN	24.45	11000	J N

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BAW90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 296990

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ096990C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

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.

BAW90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 296990

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ096990C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

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	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	730	U
56-55-3	Benzo(a)Anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)Phthalate	48	J
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	41	JX
207-08-9	Benzo(k)Fluoranthene	41	JX
50-32-8	Benzo(a)Pyrene	370	U
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenzo(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BAW90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 296990

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GJ096990C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.92	590	J
2.		ALDOL	6.13	1300	~~AJ~~ R
3.		ALDOL	6.65	440	~~AJ~~ R
4.		UNKNOWN	19.92	300	J
5.		UNKNOWN	20.47	220	J
6.		UNKNOWN	21.59	370	J

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NC: BBA45

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297000

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097000C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 12 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.00

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.

BBA45

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297000

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097000C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 12 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.00

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	55	J
120-12-7	Anthracene	370	U
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	90	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	750	U
56-55-3	Benzo(a)Anthracene	64	J
218-01-9	Chrysene	77	J
117-81-7	bis(2-Ethylhexyl)Phthalate	220	J
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	160	JX
207-08-9	Benzo(k)Fluoranthene	160	JX
50-32-8	Benzo(a)Pyrene	75	J
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenzo(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA45

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297000

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097000C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 12 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.00

Number TICs found: 8

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.93	760	J N
2.		ALDOL	6.13	910	~~J~~ R
3.		ALDOL	6.65	230	~~J~~ R
4.		UNKNOWN	19.47	380	J N
5.		UNKNOWN	19.95	260	J
6.		UNKNOWN	20.19	190	J
7.		UNKNOWN HYDROCARBON	20.50	640	J
8.		UNKNOWN HYDROCARBON	21.80	340	J N

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA46

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097002C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA46

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097002C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

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	180	J
120-12-7	Anthracene	370	U
84-74-2	Di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	400	
129-00-0	Pyrene	210	J
85-68-7	Butylbenzylphthalate	38	J
91-94-1	3,3'-Dichlorobenzidine	730	U
56-55-3	Benzo(a)Anthracene	120	J
218-01-9	Chrysene	150	J
117-81-7	bis(2-Ethylhexyl)Phthalate	190	J
117-84-0	Di-n-Octyl Phthalate	370	U
205-99-2	Benzo(b)Fluoranthene	280	JX
207-08-9	Benzo(k)Fluoranthene	280	JX
50-32-8	Benzo(a)Pyrene	120	J
193-39-5	Indeno(1,2,3-cd)Pyrene	370	U
53-70-3	Dibenzo(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA46

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097002C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.92	560	J
2.		ALDOL	6.13	930	J
3.		ALDOL	6.65	220	J
4.		UNKNOWN	19.47	370	J
5.		UNKNOWN	20.17	150	J
6.	55030-21-2	CYCLOHEXANE, 1,1'-(2-PROPYL-	20.54	670	J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA87

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297037

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097037C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA88

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297039

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097039A22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA88

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297039

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097039A22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)Anthracene	20	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

BBA88

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297039

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097039A22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

GPC Cleanup: (Y/N) N pH: _____ 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.	UNKNOWN	5.58	12	J N

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA89

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297040

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097040A22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA89

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297040

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097040A22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA89

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297040

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097040A22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297041

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ097041B22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	10	U
111-91-1	bis(2-Chloroethoxy)Methane	50	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethyl Phthalate	50	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297041

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ097041B22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297041

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ097041B22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

Number TICs found: 2

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.62	14	J N
2.		UNKNOWN	20.05	14	J N

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA91

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297042

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ097042B22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA91

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297042

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ097042B22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA91

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297042

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GJ097042B22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	5.87	18	JN
2.	UNKNOWN HYDROCARBON	20.32	20	JN

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BAS96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297044

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097044A15

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/28/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BAS96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297044

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097044A15

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/28/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BAS96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297044

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097044A15

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/28/89

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BAH96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297043

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097043B15

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/27/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BAH96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297043

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097043B15

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/27/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

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1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BAH96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297043

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097043B15

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/27/89

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA84

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297021

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097021C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	10	U
111-91-1	bis(2-Chloroethoxy)Methane	50	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethyl Phthalate	50	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA84

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297021

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097021C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA84

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297021

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097021C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA85

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297030

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097030C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethyl Phthalate	50	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA85

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297030

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097030C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA85

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297030

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097030C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA86

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297032

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097032C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA86

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297032

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097032C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA86

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297032

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097032C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA98

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297011

Sample wt/vol: 30.0 (g/mL) G Lab File ID: PC097011B16

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 19 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/10/89

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 4.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	40.	U
319-85-7	beta-BHC	91.	U
319-86-8	delta-BHC	40.	U
58-89-9	gamma-BHC (Lindane)	40.	U
76-44-8	Heptachlor	40.	U
309-00-2	Aldrin	40.	U
1024-57-3	Heptachlor epoxide	40.	U
959-98-8	Endosulfan I	40.	U
60-57-1	Dieldrin	79.	U
72-55-9	4,4'-DDE	79.	U
72-20-8	Endrin	320	U
33213-65-9	Endosulfan II	79.	U
72-54-8	4,4'-DDD	79.	U
1031-07-8	Endosulfan sulfate	79.	U
50-29-3	4,4'-DDT	85.	U
72-43-5	Methoxychlor	400	U
53494-70-5	Endrin ketone	79.	U
5103-71-9	alpha-Chlordane	1000	C
5103-74-2	gamma-Chlordane	1100	C
8001-35-2	Toxaphene	790	U
12674-11-2	Aroclor-1016	400	U
11104-28-2	Aroclor-1221	400	U
11141-16-5	Aroclor-1232	400	U
53469-21-9	Aroclor-1242	400	U
12672-29-6	Aroclor-1248	400	U
11097-69-1	Aroclor-1254	790	U
11096-82-5	Aroclor-1260	790	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA99

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297012

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 20 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/09/89

GPC Cleanup: (Y/N) N pH: 7.5 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	20.	U
72-55-9	4,4'-DDE	20.	U
72-20-8	Endrin	20.	U
33213-65-9	Endosulfan II	20.	U
72-54-8	4,4'-DDD	20.	U
1031-07-8	Endosulfan sulfate	20.	U
50-29-3	4,4'-DDT	~~20.~~	~~U~~
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	20.	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	gamma-Chlordane	100	U
8001-35-2	Toxaphene	200	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	200	U
11096-82-5	Aroclor-1260	200	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BAW90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 296990

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/09/89

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.9	U
319-85-7	beta-BHC	8.9	U
319-86-8	delta-BHC	8.9	U
58-89-9	gamma-BHC (Lindane)	8.9	U
76-44-8	Heptachlor	8.9	U
309-00-2	Aldrin	8.9	U
1024-57-3	Heptachlor epoxide	8.9	U
959-98-8	Endosulfan I	8.9	U
60-57-1	Dieldrin	33.	
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	89.	U
53494-70-5	Endrin ketone	18.	U
5103-71-9	alpha-Chlordane	89.	U
5103-74-2	gamma-Chlordane	89.	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	89.	U
11104-28-2	Aroclor-1221	89.	U
11141-16-5	Aroclor-1232	89.	U
53469-21-9	Aroclor-1242	89.	U
12672-29-6	Aroclor-1248	89.	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. BBA47

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097003C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 11 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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	370	U
111-91-1	bis(2-Chloroethoxy)Methane	1800	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	370	U
91-58-7	2-Chloronaphthalene	1800	U
88-74-4	2-Nitroaniline	370	U
131-11-3	Dimethyl Phthalate	1800	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA47

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097003C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 11 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

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	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	740	U
56-55-3	Benzo(a)Anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)Phthalate	46	J
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	Dibenzo(a,h)Anthracene	370	U
191-24-2	Benzo(g,h,i)Perylene	370	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA47

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097003C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 11 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

Number TICs found: 3

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.93	300	J
2.		ALDOL	6.13	370	~~NJ~~
3.		ALDOL	6.67	340	~~NJ~~

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA48

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097005C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 16 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)Ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
100-51-6	Benzyl Alcohol	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
39638-32-9	bis(2-Chloroisopropyl)Ether	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-Di-n-Propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
65-85-0	Benzoic Acid	390	U
111-91-1	bis(2-Chloroethoxy)Methane	1900	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-Methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	390	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethyl Phthalate	1900	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA48

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097005C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 16 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-Methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenyl-phenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-Butylphthalate	250	J
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	790	U
56-55-3	Benzo(a)Anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)Phthalate	65	J
117-84-0	Di-n-Octyl Phthalate	390	U
205-99-2	Benzo(b)Fluoranthene	390	U
207-08-9	Benzo(k)Fluoranthene	390	U
50-32-8	Benzo(a)Pyrene	390	U
193-39-5	Indeno(1,2,3-cd)Pyrene	390	U
53-70-3	Dibenzo(a,h)Anthracene	390	U
191-24-2	Benzo(g,h,i)Perylene	390	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA48

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097005C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 16 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00

Number TICs found: 6

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		ALDOL	6.00	550	AJ
2.		ALDOL	6.55	360	AJ
3.	21078-65-9	1-DECANOL, 2-ETHYL-	19.32	400	J
4.		UNKNOWN	20.04	400	J
5.		UNKNOWN HYDROCARBON	20.39	1200	J
6.		UNKNOWN HYDROCARBON	21.60	550	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA58

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097006C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 22 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
100-51-6	Benzyl Alcohol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
39638-32-9	bis(2-Chloroisopropyl)Ether	420	U
106-44-5	4-Methylphenol	69	J
621-64-7	N-Nitroso-Di-n-Propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
65-85-0	Benzoic Acid	2100	U
111-91-1	bis(2-Chloroethoxy)Methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethyl Phthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA58

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097006C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 22 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100	U J
83-32-9	Acenaphthene	420	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-Methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
84-74-2	Di-n-Butylphthalate	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)Anthracene	420	U J
218-01-9	Chrysene	420	U J
117-81-7	bis(2-Ethylhexyl)Phthalate	85	J
117-84-0	Di-n-Octyl Phthalate	420	U J
205-99-2	Benzo(b)Fluoranthene	420	U
207-08-9	Benzo(k)Fluoranthene	420	U
50-32-8	Benzo(a)Pyrene	420	U
193-39-5	Indeno(1,2,3-cd)Pyrene	420	U
53-70-3	Dibenzo(a,h)Anthracene	420	U
191-24-2	Benzo(g,h,i)Perylene	420	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BBA58

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: GH097006C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 22 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/01/89

GPC Cleanup: (Y/N) N pH: 7.0 Dilution Factor: 1.00

Number TICs found: 15

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.78	900	J
2.		ALDOL	6.00	1600	J
3.		ALDOL	6.53	300	J
4.		UNKNOWN	7.20	550	J
5.		UNKNOWN HYDROCARBON	18.29	300	J
6.		UNKNOWN HYDROCARBON	19.35	730	J
7.		UNKNOWN SUBST. HYDROCARBON	20.07	430	J
8.		UNKNOWN HYDROCARBON	20.37	1600	J
9.		UNKNOWN HYDROCARBON	21.64	940	J
10.		UNKNOWN	21.75	550	J
11.		UNKNOWN	22.14	380	J
12.		UNKNOWN	23.80	600	J
13.		UNKNOWN	24.24	3200	J
14.		UNKNOWN	24.52	550	J
15.		UNKNOWN	24.64	340	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA87

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297037

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097037C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl Alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
39638-32-9	bis(2-Chloroisopropyl)Ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl Phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: BBA87

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297037

Sample wt/vol: 1000 (g/mL) ML Lab File ID: GH097037C22

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. ____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/30/89

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-Methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U
53-70-3	Dibenzo(a,h)Anthracene	10	U
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA45

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297000

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 12 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/09/89

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.1	U
319-85-7	beta-BHC	9.1	U
319-86-8	delta-BHC	9.1	U
58-89-9	gamma-BHC (Lindane)	9.1	U
76-44-8	Heptachlor	9.1	U
309-00-2	Aldrin	9.1	U
1024-57-3	Heptachlor epoxide	9.1	U
959-98-8	Endosulfan I	9.1	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	43.	U
1031-07-8	Endosulfan sulfate	18.	U
50-29-3	4,4'-DDT	56.	U
72-43-5	Methoxychlor	91.	U
53494-70-5	Endrin ketone	18.	U
5103-71-9	alpha-Chlordane	91.	U
5103-74-2	gamma-Chlordane	91.	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	91.	U
11104-28-2	Aroclor-1221	91.	U
11141-16-5	Aroclor-1232	91.	U
53469-21-9	Aroclor-1242	91.	U
12672-29-6	Aroclor-1248	91.	U
11097-69-1	Aroclor-1254	91.	U
11096-82-5	Aroclor-1260	180	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA46

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 10 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/09/89

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.00

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.9	U
319-85-7	beta-BHC	8.9	U
319-86-8	delta-BHC	8.9	U
58-89-9	gamma-BHC (Lindane)	8.9	U
76-44-8	Heptachlor	8.9	U
309-00-2	Aldrin	8.9	U
1024-57-3	Heptachlor epoxide	8.9	U
959-98-8	Endosulfan I	8.9	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	45.	U
1031-07-8	Endosulfan sulfate	18.	U
50-29-3	4,4'-DDT	43.	U
72-43-5	Methoxychlor	89.	U
53494-70-5	Endrin ketone	18.	U
5103-71-9	alpha-Chlordane	89.	U
5103-74-2	gamma-Chlordane	89.	U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	89.	U
11104-28-2	Aroclor-1221	89.	U
11141-16-5	Aroclor-1232	89.	U
53469-21-9	Aroclor-1242	89.	U
12672-29-6	Aroclor-1248	89.	U
11097-69-1	Aroclor-1254	180	U
11096-82-5	Aroclor-1260	180	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA47

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297003

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 11 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/89

GPC Cleanup: (Y/N) N pH: 7.0 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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA48

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297005

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 16 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/89

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.00

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	9.5	U
319-85-7	beta-BHC	9.5	U
319-86-8	delta-BHC	9.5	U
58-89-9	gamma-BHC (Lindane)	9.5	U
76-44-8	Heptachlor	9.5	U
309-00-2	Aldrin	9.5	U
1024-57-3	Heptachlor epoxide	9.5	U
959-98-8	Endosulfan I	9.5	U
60-57-1	Dieldrin	19.	U
72-55-9	4,4'-DDE	19.	U
72-20-8	Endrin	19.	U
33213-65-9	Endosulfan II	19.	U
72-54-8	4,4'-DDD	19.	U
1031-07-8	Endosulfan sulfate	19.	U
50-29-3	4,4'-DDT	19.	U
72-43-5	Methoxychlor	95.	U
53494-70-5	Endrin ketone	19.	U
5103-71-9	alpha-Chlordane	95.	U
5103-74-2	gamma-Chlordane	95.	U
8001-35-2	Toxaphene	190	U
12674-11-2	Aroclor-1016	95.	U
11104-28-2	Aroclor-1221	95.	U
11141-16-5	Aroclor-1232	95.	U
53469-21-9	Aroclor-1242	95.	U
12672-29-6	Aroclor-1248	95.	U
11097-69-1	Aroclor-1254	95.	U
11096-82-5	Aroclor-1260	190	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA58

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BAW90

Matrix: (soil/water) SOIL Lab Sample ID: 297006

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. 22 dec. ____ Date Extracted: 10/30/89

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 11/03/89

GPC Cleanup: (Y/N) N pH: 7.0 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	20.	U
72-55-9	4,4'-DDE	20.	U
72-20-8	Endrin	20.	U
33213-65-9	Endosulfan II	20.	U
72-54-8	4,4'-DDD	20.	U
1031-07-8	Endosulfan sulfate	20.	U
50-29-3	4,4'-DDT	20.	U
72-43-5	Methoxychlor	100	U
53494-70-5	Endrin ketone	20.	U
5103-71-9	alpha-Chlordane	100	U
5103-74-2	gamma-Chlordane	100	U
8001-35-2	Toxaphene	200	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	200	U
11096-82-5	Aroclor-1260	200	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA87

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297037

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

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/26/89

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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: BBA88

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297039

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

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/26/89

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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA89

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297040

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

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/26/89

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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA90

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297041

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

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/26/89

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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: BBA91

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297042

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

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/26/89

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	0.050	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	0.10	U
53494-70-5	Endrin ketone	0.50	U
5103-71-9	alpha-Chlordane	0.10	U
5103-74-2	gamma-Chlordane	0.50	U
8001-35-2	Toxaphene	0.50	U
12674-11-2	Aroclor-1016	1.0	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	0.50	U
11096-82-5	Aroclor-1260	1.0	U
		1.0	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BAS96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297044

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

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/26/89

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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BAH96

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297043

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

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/26/89

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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: BBA84

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297021

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

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/26/89

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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA85

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297030

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

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ dec. _____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/26/89

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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BBA86

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

Lab Code: COMPU Case No.: 12974 SAS No.: _____ SDG No.: BBA83

Matrix: (soil/water) WATER Lab Sample ID: 297032

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

Level: (low/med) LOW Date Received: 10/21/89

% Moisture: not dec. _____ dec. ____ Date Extracted: 10/26/89

Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 10/26/89

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

Corrections

Data Tracking Form 2 - Qualification check
Revision 0

of Case # : 12974 TYPE : Organic

CONTRACTOR : NUS REVIEWER : V. Smith/P. Greenlaw

TYPE OF ERROR (Crit,Signif,Trans) : Trans 1/8/90

DESCRIPTION : (BN/A) BBA99 2-Methylphenol was rejected due incorrect spectral identifications. There is not prime positive - but interfering ion 51-57 make it doubtful - can change to "U"

ACTION : If the identification is incorrect, the analyte should be qualified with "U" or non detect not "R". I believe that the identifications is correct, the primary and secondary ions are present, R.T match, the extra ions present are due to baseline interference.

TYPE OF ERROR (Crit,Signif,Trans) : Signif 1/8/90

DESCRIPTION : (Pest/PCB) BBA99 4 DDT was rejected because of lack of Confirmation Concentration in both columns are almost identical 20 vs 24 %.

ACTION : 4,4' DDT is present in both columns - no need to reject it.

In case of lack of Confirmation (False positive) Data should be qualified with "U" not "R".

Critical error= a significant error which effects 2 or more samples
Significant error= categories identified on the Functional Guidelines
Description error= can also be considered as critical or significant

ERRORS - # CRITICAL ____ # SIGNIF : ____ # TRANS : ____

REVIEWER : Mahmoud S. Hamidi DATE : 1/3/90

Yes, but look at the chromatogram - peak on confirmation Column is only a hill (peak), Also since DDE and DDD were not present increased doubt PG 1/8/90

Case# 12974 Site Bellport Laundry Matrix: Soil ✓

SDG MBZ561 Lab Silver Water ✓

Contractor NUS-FIT Reviewer Valerie Mathers Other

A.2.1 The case description and exceptions, if any, are noted below with reason(s) for rejection or qualification as estimated value(s) J.

① Associated data of Ag has been qualified as unuseable in the following samples because the %R of the CRI standard was <50%:
MBZ 561-566, 589, 590, 597-604, 608 & 609

② Data of the following samples has been qualified as estimated (J) because CRI & CRA standard %R's were outside control limits (80-120%) and acceptable 'affected ranges' (0 to 2XCRDL for AA & 0 to 4XCRDL for ICP):
(Note: only positive data > IDL is flagged for each analyte below)
Sb → MBZ-599 & 601; Se → MBZ-598, 600 & 603; Zn → (all samples in SDG-MBZ561) MBZ 561-566, 589, 590, 597-604, 608 & 609

③ Analytes of the following aqueous samples were qualified as estimated (J) because aqueous field blanks, MBZ 561 & 562, were used as matrix spikes & the analyte values in the field samples were <4x the spike added concentration of their associated spike sample.
(Note: Circled analytes have been previously qualified for other QC. criteria - Refer to Note #2)

(Continued)

A.2.1 (continuation)

MBZ-561, 562, 563 → Al, Fe, Pb, (Zn)

MBZ-564 → Al, Ba, Be, Cu, Mn, (Zn)

MBZ-565 → Al, Cu, Fe, Pb, Mn

MBZ-566 → Al, Cr, Cu, Fe, Pb, Mn

MBZ-589 → Al, Cu, Fe, Pb, Mn, (Zn)

MBZ-590 & 608 → Al, Ba, Be, Cu, Fe, Pb, Mn, (Zn)

MBZ-609 → Al, Ba, Fe, Pb, Mn, (Zn)

(4) Because the matrix spike %R was outside control limits (75-125%) for Sb in Soil (58.1%) and Pb in Aqueous (66.0%), these analytes should be qualified as estimated (J) in all samples of their respective matrices. However, Sb was previously qualified in soil samples MBZ 599 & 601 for CRI %R criteria, as was Pb in all aqueous samples except MBZ-564 for sample concentrations of Pb < 4x spike added when the spike is a field blank. Therefore, it was necessary to qualify only Sb in soil samples MBZ-597, 598, 600, 602-604 and Pb in aqueous sample MBZ-564.

(5) Because field blanks, MBZ 561 & 562, were used for the aqueous lab duplicates, analytes in associated aqueous samples > CRDL were qualified as estimated (J). These are as follows:

(Note: Circled analytes have been previously qualified for other QC criteria as indicated)

MBZ 563 → (Pb) (Refer to Note (3) for Pb)

MBZ 564 → (Al), Ca, (Cu), Fe, (Pb), (Mn), Na, & (Zn) (Refer to Note (2) for Zn; (Refer to Note (3) for Al, Cu, & Mn; Refer to Note (4) for Pb)

(Continued →

A.2.1 (continuation) from Note (5)

MBZ 565, 566 → Ca, (Cu), (Fe), (Pb), Hg, Na, (Zn) (Refer to Note (2) for Zn; (Refer to Note (3) for Cu, Fe, & Pb)

MBZ 589 → Ca, (Fe), (Pb), Hg, Na, (Zn) (Refer to Note (2) for Zn; Refer to Note (3) for Fe & Pb)

MBZ 590 → (Al), (Pb), (Mn), Na, (Zn) (Refer to Note (2) for Zn; Refer to Note (3) for Al, Pb, Mn

MBZ 608 → Ca, (Fe), (Pb), (Mn), Hg, Na, (Zn) (Refer to Note (2) for Zn; Refer to Note (3) for Fe, Pb, & Mn)

MBZ 609 → (Fe), (Mn), Na, (Zn) (Refer to Note for Zn; Refer to Note (3) for Fe & Mn)

(6) The analyte, As, should be qualified as estimated (J) in the following samples associated with the lab duplicate pair, MBZ 604/604D, because the difference in concentrations between the sample & duplicate is > 2X CRDL when sample &/or duplicate concentrations of As are < 5X CRDL:

As → MBZ 597-604

(2) Chromium & Arsenic should be qualified as estimated (J) on Form I's of the soil field duplicate pair, MBZ 600/601, due to the difference in Cr & As concentrations between the pair exceeding 2X CRDL when sample &/or duplicate concentrations of Cr & As, respectively, are < 5X CRDL. Arsenic, however, has been previously qualified for other QC criteria as indicated in Note (6).

(Continued)

A.2.1 (continuation)

(8) Because a field blank, MBX561, was used for the ICP Serial Dilution when other non-field blank aqueous samples were available in the Sample Delivery Group for this purpose, all data associated with the sample used for the aqueous ICP Serial Dilution should be qualified as estimated (J) if ≥ 10XIDL. These are as follows:

(Note: circled analytes have been previously qualified for other QC criteria as indicated).

MBZ564 → (Al), (Ca), (Cu), (Fe), (Pb), Mg, (Mn), (Na), (Zn) (Refer to Note (2) for Zn; Refer to Note (3) for Al, Cu, & Mn; Refer to Note (4) for Pb; Refer to Note (5) for Ca, Fe & Na)

MBZ565 & 566 → (Ca), (Fe), (Pb), Mg, (Na), (Zn) (Refer to Note (2) for Zn; Refer to Note (3) for Fe & Pb; Refer to Note (5) for Ca & Na)

MBZ589 → (Ca), (Fe), Mg, (Na), (Zn) (Refer to Note (2) for Zn; Refer to Note (5) for Ca, Na)

MBZ590 → (Al), Ca, Mg, (Mn), (Na), (Zn) (Refer to Note (2) for Zn; Refer to Note (3) for Al & Mn; Refer to Note (5) for Na)

MBZ608 → (Ca), (Fe), (Pb), Mg, (Mn), (Na), (Zn) (Refer to Note (2) for Zn; Refer to Note (3) for Fe, Pb, & Mn; Refer to Note (5) for Ca & Na)

MBZ609 → Ca, (Fe), Mg, (Mn), (Na), (Zn) (Refer to Note (2) for Zn; Refer to Note (3) for Fe, Mn; Refer to Note (5) for Na)

(9) Because the coefficient of correlation calculated from the analyses of both soil & aqueous Hg Standards was <0.995, Hg in all samples associated with these standards should be qualified as estimated (J)

(Continued →

A.2.1 (continuation) of Note (9)

on Form I's. This includes MBZ 561-566, 589, 590, 597-604, 608 & 609. Hg was previously qualified in samples MBZ 565, 566, 589, & 608 for other QC. criteria (Refer to Note (5)).

(10) Pb in the following samples should be qualified as unuseable resulting from the analytical spike recovery of Pb in these samples being >150%: MBZ 564, 565, 589, 590, 608 & 609.

(11) Because the coefficient of correlation in the MSA is <0.995 for As & Pb in samples MBZ 604D & 566, respectively, results of these analytes in associated samples should be qualified as estimated (J). All associated results, however, have been previously qualified or rejected for other QC criteria as indicated below:

(Pb) → MBZ 561-563, & 566 (Refer to Note (2))

Pb (Rejected) → MBZ 564, 565, 589, 590, 608 & 609 (Refer to Note (10))

(As) → MBZ 597-604 (Refer to Note (6))

A.2.2 Contract-Problems/Non-Compliance

(1) Field blank was used for ICP Serial Dilution.

(2) The % solids of the lab duplicate MBZ 604D was never determined & was, therefore, assumed for the purpose of calculation to be equal to that of sample MBZ-604

(3) Field Blanks, MBZ 561 & 562, were used for the lab duplicates, although non-field blank aqueous samples were also available in the same SDG for this purpose.

(4) Proper notation for duplicate results outside control limits was not shown beside the analytical results of Mn on Form I's of samples MBZ 603 & 604. (Continued →

MMB Reviewer: _____ Date: _____
Signature

Contractor Reviewer: _____ Date: _____
Signature

Verified by: _____ Date: _____

A.2.2 Contract-Problems/Non-Compliance *Continued*

(5) The following results were not appropriately qualified with a 'W' for post digestion spike recoveries between 40 & 84% or >115% and sample absorbance (or concentration) <50% of the spike concentration: Se → MBZ 561, 566, 598, 602, 608; Tl → MBZ 603; Pb → MBZ 563, 590.

(6) Page 74 of the data pack, Analysis Run Log, is missing samples MBZ 597D & 597S which are included in the raw data.

(7) Page 88, Analysis Run Log for Pb analyzed by Method 'F', the wrong dilution factor, 4, was recorded for listed MSA additions MBZ-5660, 5661, & 5662. (Continued)

MB Reviewer: _____ Date: _____
Signature

Contractor Reviewer: _____ Date: _____
Signature

Verified by: _____ Date: _____

A.2.2 Contract-Problems/Non-Compliance

(8) The analyst did not initial his/her hand written corrections of the raw data on pages 151, 154, 155, 156, 157, 158, 159, 160, 162 & 163.

MMB Reviewer: _____ Date: _____
Signature

Contractor Reviewer: Valerie A. Mathews Date: 1/19/90
Signature

Verified by: Hairy Shields Date: 1/30/90

U. S. EPA - CLP

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

SOW No.: 7/88

EPA Sample No.	Lab Sample ID
MBZ561	
MBZ561D	
MBZ561S	
MBZ562	
MBZ562D	
MBZ562S	
MBZ563	
MBZ564	
MBZ564D	
MBZ564S	
MBZ565	
MBZ566	
MBZ589	
MBZ590	
MBZ597	
MBZ597D	
MBZ597S	
MBZ598	
MBZ599	
MBZ600	

Were ICP interelement corrections applied?	Yes/No	YES
Were ICP background corrections applied?	Yes/No	YES
If yes, were raw data generated before application of background corrections?	Yes/No	NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory manager or his disignee, as verified by the following signatures.

Signature: Carol Williams Name: CAROL WILLIAMS

Date: NOVEMBER 24, 1989 Title: MANAGER'S DESIGNEE

U. S. EPA - CLP

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

SOW No.: 7/88

EPA Sample No.	Lab Sample ID
MBZ601	
MBZ602	
MBZ603	
MBZ604	
MBZ604D	
MBZ604S	
MBZ608	
MBZ609	

Were ICP interelement corrections applied?	Yes/No	YES
Were ICP background corrections applied?	Yes/No	YES
If yes, were raw data generated before application of background corrections?	Yes/No	NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory manager or his disignee, as verified by the following signatures.

Signature: Carol Williams Name: CAROL WILLIAMS

Date: NOVEMBER 24, 1989 Title: MANAGER'S DEGIGNEE

12974-02-0009

In Reference to Case No(s):
12974

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM
Telephone Record Log

Date of Call: 10/23/89 7:30 AM

Laboratory Name: SILVER VALLEY LABS., INC.

Lab Contact: COLLEEN BRAUN

Region:

Regional Contact: MONICA

Call Initiated By: ✓ Laboratory ___ Region

In reference to data for the following sample number(s):

Summary of Questions/Issues Discussed:

RETURNING CALL.

Summary of Resolution:

CASE 12974. COC LIST SIX SAMPLES NOT WERE NOT SHIPPED, CROSS THRU THESE ID'S MB7591 THRU MB7596. CASE COMPLETE WITH 8 LS TM & 10 LW TM AIR BILL # 348 822 7023.

Colleen Braun 10/23/89
Signature Date

Distribution: (1) Lab Copy, (2) Region Copy, (3) SMO Copy

In Reference to Case No(s):
12974

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Telephone Record Log

Date of Call: 10/23/89 7:30 AM

Laboratory Name: SILVER VALLEY LABS., INC.

Lab Contact: COLLEEN BRAUN

Region: II

Regional Contact: MONICA

Call Initiated By: ✓ Laboratory ___ Region

In reference to data for the following sample number(s):

Summary of Questions/Issues Discussed:

RETURNING CALL.

Summary of Resolution:

CASE 12974, COC LIST SIX SAMPLES ~~NOT~~ WERE NOT SHIPPED, CROSS THRU THESE ID'S MBZ591 THRU MBZ596. CASE COMPLETE WITH 8 LS TM & 10 LW TM AIR BILL # 348 872 7023.

Colleen Braun
Signature

10/23/89
Date

Distribution: (1) Lab Copy, (2) Region Copy, (3) SMO Copy

EPA SAMPLE NO. 20

1

INORGANIC ANALYSIS DATA SHEET

MBZ597

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 77.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9280.00			P
7440-36-0	Antimony	6.70	U	N J	P
7440-38-2	Arsenic	3.80		S* J	F
7440-39-3	Barium	26.80	B		P
7440-41-7	Beryllium	.60	B		P
7440-43-9	Cadmium	1.00	U		P
7440-70-2	Calcium	2000.00			P
7440-47-3	Chromium	13.70		*	P
7440-48-4	Cobalt	1.90	B		P
7440-50-8	Copper	8.00			P
7439-89-6	Iron	9240.00			P
7439-92-1	Lead	55.50			P
7439-95-4	Magnesium	1340.00			P
7439-96-5	Manganese	99.80		*	P
7439-97-6	Mercury	.13	U	J	CV
7440-02-0	Nickel	5.60	B		P
7440-09-7	Potassium	446.00	B		P
7782-49-2	Selenium	.77	U	S	F
7440-22-4	Silver	~~.77~~	~~U~~		P
7440-23-5	Sodium	27.40	B		P
7440-28-0	Thallium	.52	U	W	F
7440-62-2	Vanadium	21.80			P
7440-66-6	Zinc	37.00		J	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO. 24

MBZ598

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 77.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3720.00			P
7440-36-0	Antimony	6.70	U	NJ	P
7440-38-2	Arsenic	3.20		*J	F
7440-39-3	Barium	25.30	B		P
7440-41-7	Beryllium	.58	B		P
7440-43-9	Cadmium	1.00	U		P
7440-70-2	Calcium	4830.00			P
7440-47-3	Chromium	7.30		*	P
7440-48-4	Cobalt	1.50	U		P
7440-50-8	Copper	10.10			P
7439-89-6	Iron	5380.00			P
7439-92-1	Lead	73.00			P
7439-95-4	Magnesium	1560.00			P
7439-96-5	Manganese	112.00		*	P
7439-97-6	Mercury	.13	U	J	CV
7440-02-0	Nickel	6.40	U		P
7440-09-7	Potassium	582.00	B		P
7782-49-2	Selenium	.79	B	JW	F
7440-22-4	Silver				P
7440-23-5	Sodium	259.00	B		P
7440-28-0	Thallium	.51	U		F
7440-62-2	Vanadium	12.60	B		P
7440-66-6	Zinc	52.50		J	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBZ599

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 91.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4080.00			P
7440-36-0	Antimony	5.90	B	NJ	P
7440-38-2	Arsenic	2.40		*J	F
7440-39-3	Barium	13.80	B		P
7440-41-7	Beryllium	.44	B		P
7440-43-9	Cadmium	.88	U		P
7440-70-2	Calcium	1270.00			P
7440-47-3	Chromium	7.80		*	P
7440-48-4	Cobalt	1.70	B		P
7440-50-8	Copper	8.90			P
7439-89-6	Iron	5530.00			P
7439-92-1	Lead	107.00			P
7439-95-4	Magnesium	850.00	B		P
7439-96-5	Manganese	62.10		*	P
7439-97-6	Mercury	.11	U	J	CV
7440-02-0	Nickel	5.50	U		P
7440-09-7	Potassium	152.00	U		P
7782-49-2	Selenium	.66	U		F
7440-22-4	Silver	~~.88~~ 1.9			P
7440-23-5	Sodium	15.90	U		P
7440-28-0	Thallium	.44	U		F
7440-62-2	Vanadium	11.00			P
7440-66-6	Zinc	56.50		J	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

EPA SAMPLE NO. 23

1

INORGANIC ANALYSIS DATA SHEET

MBZ600

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 87.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2350.00			P
7440-36-0	Antimony	5.90	U	NJ	P
7440-38-2	Arsenic	3.90		S*J	F
7440-39-3	Barium	8.70	B		P
7440-41-7	Beryllium	.46	B		P
7440-43-9	Cadmium	.91	U		P
7440-70-2	Calcium	2190.00			P
7440-47-3	Chromium	7.40		*J	P
7440-48-4	Cobalt	1.40	B		P
7440-50-8	Copper	4.70	B		P
7439-89-6	Iron	3900.00			P
7439-92-1	Lead	56.40			P
7439-95-4	Magnesium	1250.00			P
7439-96-5	Manganese	47.20		*	P
7439-97-6	Mercury	.11	U	J	CV
7440-02-0	Nickel	5.70	U		P
7440-09-7	Potassium	170.00	B		P
7782-49-2	Selenium	.80	B	WJ	F
7440-22-4	Silver	~~.60~~	U		P
7440-23-5	Sodium	17.60	U		P
7440-28-0	Thallium	.46	U		F
7440-62-2	Vanadium	18.90			P
7440-66-6	Zinc	32.20		J	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

24

EPA SAMPLE NO.

MBZ601

INORGANIC ANALYSIS DATA SHEET

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 90.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2330.00			P
7440-36-0	Antimony	6.70	B	NJ	P
7440-38-2	Arsenic	73.90		*J	F
7440-39-3	Barium	9.80	B		P
7440-41-7	Beryllium	.51	B		P
7440-43-9	Cadmium	.88	U		P
7440-70-2	Calcium	2180.00			P
7440-47-3	Chromium	22.50		*J	P
7440-48-4	Cobalt	1.60	B		P
7440-50-8	Copper	12.70			P
7439-89-6	Iron	3680.00			P
7439-92-1	Lead	57.40			P
7439-95-4	Magnesium	1110.00			P
7439-96-5	Manganese	49.50		*	P
7439-97-6	Mercury	.11	U	J	CV
7440-02-0	Nickel	5.50	U		P
7440-09-7	Potassium	194.00	B		P
7782-49-2	Selenium	.66	U		F
7440-22-4	Silver	~~.66~~	~~U~~		P
7440-23-5	Sodium	30.80	B		P
7440-28-0	Thallium	.44	U		F
7440-62-2	Vanadium	16.20			P
7440-66-6	Zinc	33.40		J	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:
ARSENIC 10X DILUTION.

25

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBZ502

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 90.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6270.00			P
7440-36-0	Antimony	5.80	U	NJ	P
7440-38-2	Arsenic	1.90	B	*	F
7440-39-3	Barium	13.90	B		P
7440-41-7	Beryllium	.50	B		P
7440-43-9	Cadmium	.89	U		P
7440-70-2	Calcium	881.00	B		P
7440-47-3	Chromium	7.10		*	P
7440-48-4	Cobalt	1.40	B		P
7440-50-8	Copper	3.20	B		P
7439-89-6	Iron	6340.00			P
7439-92-1	Lead	19.40			F
7439-95-4	Magnesium	665.00	B		P
7439-96-5	Manganese	48.40		*	P
7439-97-6	Mercury	.11	U	J	CV
7440-02-0	Nickel	5.60	U		P
7440-09-7	Potassium	210.00	B		P
7782-49-2	Selenium	.67	U	W	F
7440-22-4	Silver	~~[illegible]~~			P
7440-23-5	Sodium	27.80	B		P
7440-28-0	Thallium	.44	U		F
7440-62-2	Vanadium	12.50			P
7440-66-6	Zinc	12.70		J	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:
LEAD ~~10X~~ DILUTION.

26

EPA SAMPLE NO.

MBZ603

1
INORGANIC ANALYSIS DATA SHEET

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/22/89

% Solids: 84.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500.00			P
7440-36-0	Antimony	6.10	U	N J	P
7440-38-2	Arsenic	5.00		*J	F
7440-39-3	Barium	21.90	B		P
7440-41-7	Beryllium	.72	B		P
7440-43-9	Cadmium	.94	U		P
7440-70-2	Calcium	398.00	B		P
7440-47-3	Chromium	10.30		*	P
7440-48-4	Cobalt	1.50	B		P
7440-50-8	Copper	8.10			P
7439-89-6	Iron	9840.00			P
7439-92-1	Lead	27.90		W	F
7439-95-4	Magnesium	840.00	B		P
7439-96-5	Manganese	53.90		*J	P
7439-97-6	Mercury	.12	U	J	CV
7440-02-0	Nickel	5.90	U		P
7440-09-7	Potassium	238.00	B		P
7782-49-2	Selenium	1.70		SJ	F
7440-22-4	Silver	~~.71~~	~~U~~		P
7440-23-5	Sodium	18.20	U		P
7440-28-0	Thallium	.47	U	W	F
7440-62-2	Vanadium	19.30			P
7440-66-6	Zinc	23.70		J	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:
LEAD 10X DILUTION.

U.S. EPA - CLP

EPA SAMPLE NO. MBZ604 27

1

INORGANIC ANALYSIS DATA SHEET

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 82.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3340.00			P
7440-36-0	Antimony	6.30	U	N J	P
7440-38-2	Arsenic	12.20		* J	F
7440-39-3	Barium	24.70	B		P
7440-41-7	Beryllium	.71	B		P
7440-43-9	Cadmium	.97	U		P
7440-70-2	Calcium	5270.00			P
7440-47-3	Chromium	5.80		*	P
7440-48-4	Cobalt	2.30	B		P
7440-50-8	Copper	17.90			P
7439-89-6	Iron	5020.00			P
7439-92-1	Lead	110.00			F
7439-95-4	Magnesium	1990.00			P
7439-96-5	Manganese	105.00		*	P
7439-97-6	Mercury	√AM 5.2 ~~.07~~	U	J	CV
7440-02-0	Nickel	6.10	U		P
7440-09-7	Potassium	305.00	B		P
7782-49-2	Selenium	.73	U	W	F
7440-22-4	Silver	~~[illegible]~~			P
7440-23-5	Sodium	53.50	B		P
7440-28-0	Thallium	.49	U		F
7440-62-2	Vanadium	10.50	B		P
7440-66-6	Zinc	52.90		J	P
	Cyanide				NR

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:
LEAD 20X DILUTION.

15

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBZ564

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	545.00		J	P
7440-36-0	Antimony	26.00	U		P
7440-38-2	Arsenic	3.00	U		F
7440-39-3	Barium	104.00	B	J	P
7440-41-7	Beryllium	2.00	B	J	P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	15200.00		J	P
7440-47-3	Chromium	3.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	956.00		J	P
7439-89-6	Iron	4500.00		J	P
7439-92-1	Lead	[illegible]		J	F
7439-95-4	Magnesium	2790.00	B	J	P
7439-96-5	Manganese	52.60		J	P
7439-97-6	Mercury	.20	U	J	CV
7440-02-0	Nickel	25.00	U		P
7440-09-7	Potassium	2810.00	B		P
7782-49-2	Selenium	3.00	U		F
7440-22-4	Silver	[illegible]			P
7440-23-5	Sodium	21000.00		J	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.00	U		P
7440-66-6	Zinc	192.00		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
LEAD 10X DILUTION.

16

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBZ565

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	44.00	B	J	P
7440-36-0	Antimony	26.00	U		P
7440-38-2	Arsenic	3.00	U		F
7440-39-3	Barium	13.00	U		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	7940.00		J	P
7440-47-3	Chromium	3.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	57.10		J	P
7439-89-6	Iron	284.00		J	P
7439-92-1	Lead	~~32.70~~		~~W J~~	F
7439-95-4	Magnesium	4440.00	B	J	P
7439-96-5	Manganese	9.10	B	J	P
7439-97-6	Mercury	.24		J	CV
7440-02-0	Nickel	25.00	U		P
7440-09-7	Potassium	1530.00	B		P
7782-49-2	Selenium	3.00	U	W	F
7440-22-4	Silver	~~8.00~~	U		P
7440-23-5	Sodium	12400.00		J	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.00	U		P
7440-66-6	Zinc	7970.00		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
LEAD 4X DILUTION.

17

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.: MBZ586

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.10	B	J	P
7440-36-0	Antimony	26.00	U		P
7440-38-2	Arsenic	3.00	U		F
7440-39-3	Barium	13.00	U		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	7880.00		J	P
7440-47-3	Chromium	3.60	B	J	P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	57.70		J	P
7439-89-6	Iron	258.00		J	P
7439-92-1	Lead	~~4.00~~ 7800		N*+J	F
7439-95-4	Magnesium	4370.00	B	J	P
7439-96-5	Manganese	10.60	B	J	P
7439-97-6	Mercury	.28		J	CV
7440-02-0	Nickel	25.00	U		P
7440-09-7	Potassium	1050.00	B		P
7782-49-2	Selenium	3.00	U	W	F
7440-22-4	Silver	[redacted]	U		P
7440-23-5	Sodium	12200.00		J	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.00	U		P
7440-66-6	Zinc	7970.00		J	P
	Cyanide				NR

VAM 7800 ug/l5

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
LEAD 4X DILUTION.

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBZ589

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MB7561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	55.60	B	J	P
7440-36-0	Antimony	26.00	U		P
7440-38-2	Arsenic	3.00	U		F
7440-39-3	Barium	13.00	U		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	7420.00		J	P
7440-47-3	Chromium	3.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	20.20	B	J	P
7439-89-6	Iron	173.00		J	P
7439-92-1	Lead	~~3.80~~		~~J~~	F
7439-95-4	Magnesium	3920.00	B	J	P
7439-96-5	Manganese	8.30	B	J	P
7439-97-6	Mercury	.36		J	CV
7440-02-0	Nickel	25.00	U		P
7440-09-7	Potassium	691.00	U		P
7782-49-2	Selenium	3.00	U	W	F
7440-22-4	Silver	~~3.00~~	~~U~~		P
7440-23-5	Sodium	9150.00		J	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.00	U		P
7440-66-6	Zinc	1350.00		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.: MBZ590

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	775.00		J	P
7440-36-0	Antimony	26.00	U		P
7440-38-2	Arsenic	3.00	U		F
7440-39-3	Barium	30.20	B	J	P
7440-41-7	Beryllium	2.00	B	J	P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	2240.00	B	J	P
7440-47-3	Chromium	3.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	20.80	B	J	P
7439-89-6	Iron	59.50	B	J	P
7439-92-1	Lead	[illegible]		[illegible]	F
7439-95-4	Magnesium	1200.00	B	J	P
7439-96-5	Manganese	107.00		J	P
7439-97-6	Mercury	.20	U	J	CV
7440-02-0	Nickel	25.00	U		P
7440-09-7	Potassium	977.00	B		P
7782-49-2	Selenium	3.00	U		F
7440-22-4	Silver	~~3.00~~	~~U~~		P
7440-23-5	Sodium	5650.00		J	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.00	U		P
7440-66-6	Zinc	48.70		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBZ608

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.40	B	J	P
7440-36-0	Antimony	26.00	U		P
7440-38-2	Arsenic	3.00	U		F
7440-39-3	Barium	31.00	B	J	P
7440-41-7	Beryllium	2.00	B	J	P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	11400.00		J	P
7440-47-3	Chromium	3.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	11.90	B	J	P
7439-89-6	Iron	812.00		J	P
7439-92-1	Lead	[illegible]		[illegible]	F
7439-95-4	Magnesium	2170.00	B	J	P
7439-96-5	Manganese	138.00		J	P
7439-97-6	Mercury	.24		J	CV
7440-02-0	Nickel	25.00	U		P
7440-09-7	Potassium	2550.00	B		P
7782-49-2	Selenium	3.00	U	W	F
7440-22-4	Silver	[illegible]			P
7440-23-5	Sodium	13200.00		J	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.00	U		P
7440-66-6	Zinc	55.50		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
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EPA SAMPLE NO. 29

INORGANIC ANALYSIS DATA SHEET

MB7609

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ5E1

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.50	B	J	P
7440-36-0	Antimony	26.00	U		P
7440-38-2	Arsenic	3.00	U		F
7440-39-3	Barium	40.50	B	J	P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	4840.00	B	J	P
7440-47-3	Chromium	3.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	6.00	U		P
7439-89-6	Iron	664.00		J	P
7439-92-1	Lead	~~1.60~~	~~B~~	~~J~~	F
7439-95-4	Magnesium	1770.00	B	J	P
7439-96-5	Manganese	21.50		J	P
7439-97-6	Mercury	.20	U	J	CV
7440-02-0	Nickel	25.00	U		P
7440-09-7	Potassium	1190.00	B		P
7782-49-2	Selenium	3.00	U		F
7440-22-4	Silver	~~3.00~~	~~U~~		P
7440-23-5	Sodium	13200.00		J	P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.00	U		P
7440-66-6	Zinc	246.00		J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBZ561

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	40.80	B	J	P
7440-36-0	Antimony	26.00	U		P
7440-38-2	Arsenic	3.00	U		F
7440-39-3	Barium	13.00	U		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	36.60	B		P
7440-47-3	Chromium	3.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	6.00	U		P
7439-89-6	Iron	11.60	B	UJ	P
7439-92-1	Lead	1.40	B	N*J	F
7439-95-4	Magnesium	47.00	U		P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.20	U	UJ	CV
7440-02-0	Nickel	25.00	U		P
7440-09-7	Potassium	691.00	U		P
7782-49-2	Selenium	3.00	U	W	F
7440-22-4	Silver	[illegible]	U		P
7440-23-5	Sodium	77.00	U		P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.00	U		P
7440-66-6	Zinc	8.80	B	J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBZ562

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	31.30	B	J	P
7440-36-0	Antimony	26.00	U		P
7440-38-2	Arsenic	3.00	U		F
7440-39-3	Barium	13.00	U		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	29.50	B		P
7440-47-3	Chromium	3.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	6.00	U		P
7439-89-6	Iron	33.40	B	J	P
7439-92-1	Lead	3.60		N*J	F
7439-95-4	Magnesium	47.00	U		P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.20	U	J	CV
7440-02-0	Nickel	25.00	U		P
7440-09-7	Potassium	691.00	U		P
7782-49-2	Selenium	3.00	U		F
7440-22-4	Silver	[illegible]			P
7440-23-5	Sodium	77.00	U		P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.00	U		P
7440-66-6	Zinc	9.90	B	J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MBZ563

Lab Name: SILVER VALLEY LABS., INC Contract: 68-W8-0074

Lab Code: SILVER Case No.: 12974 SAS No.: SDG No.: MBZ561

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

Level (low/med): LOW Date Received: 10/23/89

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.10	B	J	P
7440-36-0	Antimony	26.00	U		P
7440-38-2	Arsenic	3.00	U		F
7440-39-3	Barium	13.00	U		P
7440-41-7	Beryllium	2.00	U		P
7440-43-9	Cadmium	4.00	U		P
7440-70-2	Calcium	29.00	U		P
7440-47-3	Chromium	3.00	U		P
7440-48-4	Cobalt	6.00	U		P
7440-50-8	Copper	6.00	U		P
7439-89-6	Iron	29.70	B	J	P
7439-92-1	Lead	1.30	B	N*J W	F
7439-95-4	Magnesium	47.00	U		P
7439-96-5	Manganese	2.00	U		P
7439-97-6	Mercury	.20	U	J	CV
7440-02-0	Nickel	25.00	U		P
7440-09-7	Potassium	691.00	U		P
7782-49-2	Selenium	3.00	U		F
7440-22-4	Silver	~~2.00~~	~~U~~		P
7440-23-5	Sodium	77.00	U		P
7440-28-0	Thallium	2.00	U		F
7440-62-2	Vanadium	6.00	U		P
7440-66-6	Zinc	7.20	B	J	P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: