218360

SITE INVESTIGATION

HAMERSLEY MANUFACTURING COMPANY LANDFILL
WALLINGTON BOROUGH, BERGEN COUNTY
EPA ID NO. NJSFN0204214

Volume 2 of 3

New Jersey Department of Environmental Protection
Division of Publicly Funded Site Remediation
Environmental Measurements and Site Assessment Section

ATTACHMENT DD

NATIONAL-
408
LANING TRANSIT BO

HAMERSLEY

DD1

GW3A First attempt encountered
refusal at 9 ft 2nd attempt
screen set 24-20.5. 1647
water at top of rods. VOCs
collected 1655-1705 very
silty (dark grey). No VOC on
FID in rod. Semi 1706-1715
Depart 1800

1/20/99

1030 hrs - on site
1043 Setting up at GW1B - drive to
30 ft plan. 1100 hrs - 30 ft

GW1B 30-28 ft screen 1115-1120
Samplers DG, SH dark reddish color

cis DCE	5.4	ppb
TCE	9.7	"
PCE	1.0	"

GW1C 36.5-40' screen interval
water pushes up to 22 ft in rods
1155-1200

GC: ND-TRANS, 05, 43, TCE 9.6, PCE 1.5

DD2

371-3482 Carey

Secaucas 493 County Ave
8-6pm M-F

4:00
7:30

GW1D - Back over hole after Decon 1245hrs proceeding to 50 ft or bedrock, whichever is first.

Refusal 40 ft

FID 19.-20 ppb at top of rod.

GW1D
1320-1323

5.1 cis
10.8 TCE
1.4 PCE

Lunch —

1457 - Grouting GW1 took 15 lbs / 6 gals

GW11 1520 hrs NS + SS
Obstructions 3 times gave up at 1630 hrs. No water

1/21/99
New GHR personnel on site 0900
paul Astheimer
Chris Glackin

DD3

Since we detected TCE DCE at GW1 it seems critical that we determine whether soils are to blame for the noted contamination or for attribution purposes, I have switched location S-9 to the GW1 location.

S-9 boring started 1000 hrs.

0-4 NO response from FID on whole core.
4-8 NO respose " " " "
8-12 " " " " " "
12-16 " " " " " "

VOC sample taken at top of water table at very bottom of 16' part of core.

S.9 container # 9800896130
11.9 grams 1038 hrs
PAHS samples
Semis, Pest/PCB, METALS, CN by 1050 hrs.
AMBIENT BLANK ALSO TAKEN

0-4 top soil sandy silty soil (cobbles ss) med sand w silt

med sand w silt

7.5-8 red silt + silty sand

8 brown fill 6" red silty fs fractured ss + silt 12 pieces

12 silty fine sand with fractured ss 16 cobbles wet last 6 inches

S-2 1147 first core - obstruction geoprobe moves over 5 ft.
refusal at 2nd hole at 6.5 ft.
move
refusal, move

4th hole appears to be good.

0-4 brick, concrete primarily with thin (2 in) layer of (ash?) black waste.

DD5

4-8 lots of void in tube - bottom had pallet + slight petrol odor at 8ft FID response ~1.5.

8-12 pallet/wood has FID reading ~119 odor of chemical/septic. Brick fragments

12-16 16 ft depth is moist wood brick, tire, concrete, some soil at bottom with glass FID as high as 350 ~~towards~~ at bottom half.

~~16-20~~ 16-19 wood, some soil, slight petrol odor
FID >500
PID ~20

19-23 largely void FID ≳100
PID ~10

	PID	FID
23-25		
	1	480
	1	10
25	3.5	45

50% recovery

Black, petroleum odor whole core

photo's 10 + 11

water in macro core sleeve

Samples NS, PA

other parameters 1315

Bottle # 980089612.0

VOC at bottom of core 1307 hrs

tare weight 12.3 grams

DD6

S1 1500 1st core.

0-4 silty fin s PID 1-3 ppm
petroleum odor

4-8 brick, wood, concrete 1515 hrs

8-12 fine-med s. w/ silt, dark read, ss. white.
some fill mostly soil - PID non responsive

12-16 12-13 cave in
13-13.5 med sand, brown no PID
13.5 14.5 silty fs w trace gravel No PID
14.5-15 concrete + cinders no PID
15-16 fine silty sand with gravel No PID
terminal part mostly cinder

16-20 1/2 void concrete at terminal end.
fms w silt + trace coarse sand
petroleum odor No PID respons
FID 0-5

1539 - VOC S1 at 15' interval
11.9 grams NS + PA
Bottle 9800896133
Semis, Post PCB, Metals, CN 14'-16' 1340

DD7

1-22-99 On Site 0915 hrs
Jennifer Healy-

-S4- 0930 hrs

0-4 Top → Bottom Red Brow med sand → Ash layer + bottom 2 ft are asphalt + concrete
No PID response

4-8 Core is half void, Top → Bottom No response PID
asphalt five bricks wood

8-12 TOP (core is half void) Bot
PID .25 PID 5 1 PID 8 PID
Cave in Brick Black soil WOOD

→ 1027 hrs

12-16 WOOD - slight petroleum odor
NO PID Response

16-20 NO PID, WOOD + BRICK
Some SOIL AT BOTTOM.

20-21.5 refusal - Some sample petroleum odor

VOC 16.4 grams BN/AE 1156 ppms

DD8

Pest - PCBs sample taken from another core that was removed from adjacent (5 ft) hole at depth of 21-25 feet. Very low recovery. 1201 hrs. PAHs samplers.

No volume for metals or CN.

Break

55 1239 hrs - Lunch - 1334

0-4 F-m s with silty NO PID response

4-8 Core in concrete wood 6-8 ft About 1-2ppm PID in wood

8-12 1 ft core in 1 ft wood 2 ft medsand NO sig. PID
COLD may be effecting PID.
Drifting upward.

12-16 12- → 16
NO PID → PID 5
Fine silty sand → petrol sheen → moist sand

16-20

16 → 17 → 20

Cave IN → M-C sand no silt NO PID

wet 19.5-20

VOC, PA, NS, 1404 hrs

12.2 grams Bottle # 9800896142

taken At 19.5 ft

18' - 20' sampled as homogeneous

MIX for BNAE PAST PCB CN + METALS

PA, NS 1410 hrs

S-3 1447

04

0 → 4

concrete → brick → silty fs wood

NO PID response →

NO odor →

4-8

4 → 7 ft → 8 ft

VOID → wood, concrete, slag

NO PID response →

DD10

8 → 9 10.5 → 12

VOID → WOOD concrete wood SOIL BRICK

PID ~1ppm(?) No response →

1459 hrs

12 — 13 13.5 14 15.5 → 16

VOID WOOD SOIL WOOD SOIL

OIL/odor OIL odor

<1ppm PID →

16 — 17 18 19 → 20

VOID → WOOD 19.5 cs

oil/septic

PID No Response

20 25

VOC's taken at 21 Ft level 1533 hrs

PA + NS 11.2 grams

23'-25' ← other parameters → 1543

PA, NS

DD11

S6 1615

0 → 4
yellow fill ← BLACK CINDERS →
NO odor NO PID response

4 → 8
← BLACK CINDERS →
← NO PID Response →

8 ← BLACK CINDERS → 12
NO PID

12 — BLACK ASH → 16

16 — 18.5 20
VOID → ASH → Brick

20 ASH 21 Coarse SAND → 25
↑ WATER TABLE

VOC's taken in ash sand interface 21 ft
PA, NS 1645 hrs 11.79

BA/AE, PEST PCB CN Mes 19-21' 1653

DD12

1/25/99 GHR Dave Gulic USA Romanowsk Strat. Envir Mgm Nevin Bradford

GW7 is moved from its planned location to a spot with better access. The spot is 25 feet west of gate to lot on the road.

GW7A collected 1030 hrs by DG+NB
Screened interval 21.5-25 ft

A series of obstructions ensued which delayed us getting GW7B. Tried small rods so as to not waste geoinsite points.

B.F. Reports
~~Trans~~ cis DCE - 1.1 ppb } GW7A
TCE - 0.6 " }
plus many peaks

Nevin has used the auger to bore to 4 ft
Now using geoprobe rods + expendable points to get beyond 25 ft. 1225 hours.

It's snowing.

There is quite an angle to the geopr. rods
1300 pushing Geoprobe Geoinsight to 40'
- Lunch -
1345 Set to collect GW7B.
- screen did not deploy
- steam cleaner did not operate

DD13

GW7B collected 1430 hrs
screen set 36.5'-40'
DU, NB

GW7C 1530 hrs driving rod.

Visit from Steve Gray - he is concerned with guy
- NJHMFA is scared.
- tyvek - scary
- language of "hazardous wastedump" because it is scary
- insistance on sampling inside dump because you could monitor the perimeter

was concerned that he had to come down + recopy my file. I told him I would keep him up to snuff with the important stuff if he trusted me to do that. I said that I gave him those in the recent letter.

I explained what went into the dump + that it is very likely a "hazardous waste", so the description hazardous waste dump is appropriate.

DD14

- hydrogen
- roll tubing
- Bag grout
- Bubble Wrap
- Steam yerny not working
- DI for ~~next~~ Weds
- Rods
- Clear tape

1545 hrs screen set 55-51.5'
1555 hrs VOC's collected LR, NB
1600 hrs - decide to leave rods in hole - Collect GW7D tomorrow - Steam cleaner still down
Robert Fowler Reports
~~Trans~~ Cis DCE 9.9 ppb
TCE 1.5 "
FB4 Blank - PZ, NB 1645 hrs - NOTE THERE WAS NO FB3
Leave site 1720 hrs

DD15

1/26/99

Problem with steam cleaner is worst today. Impossible to even pull cord to start engine. Yes, there was gasoline — actually it appeared that the engine was flooded yesterday - air filter saturated with gasoline. Left unit at horizon.

Call to office reveals that unit started!

Talks w Triggs + Schoenleber reveal that unit has had difficulties being started in past.

Used Tap/detergent → Tap → DI for decon of GW7C rods.

1031 hrs - Rods pushed to ~~70~~ 69.4 ft refusal! probably bedrock.

GW7D (BXJ19) NB, DG 1040 hrs effervescence!!

cis	17.6 ppb
Trans	0.8 ppb
TCE	7 ppb
PCE	1.6 ppb

sampling both preserved + unpreserved samples.

lots of TIC's

GW7D unpreserv 1135 NB, DG

Discussion with NB about lack of utility response. We walked area and NB decided it was ok to proceed. Grouted 30 lbs / 12 galls

Chad V.S. arrives with decon steam gen-equip is decomm'd.

DD16

1304 hrs - MOVED TO LOCATION

GW2, pounded 3 soil macro cores. Back out right to fence line with RR.

0 → 4ft
soil + gravel | ash + wood chips | concrete fiberglass

4 → 8
wood chips, ash, - wood

8 → 11.6
Refusal.

moved ahead 10 feet 2 more macro cores again revealed ash, brick, concrete + wood. Since there is no getting away from the waste, I decided to proceed right at the fence area despite the waste.

1326 hrs -

1349 hrs Rods to 20 ft at GW2

GW2A 25 - 21.5' 1408 hrs.

(BXH75) NS, NB

DD17

Robert Fowler reports VOC in GW2C

1445 - Driving cores to 40'

GW2B - Screened 36.5-40' 1515 hrs
(BXH74) RF, NB

FB5 NS, PZ 1501 hrs

Robert Fowler Reports for GW2B
trans DCE — 0.4 ppb
cis DCE — 7.9 ppb
TCE — 1.4 ppb

Some TICs

GW2C Screened 51.5'-55' 1556
DG, NB

RF Reports
trans 44
cis ~~42~~ 55
TCE 82
PCE 13

Numerous TICs

GW2D Screened 66.5-70 1653 hrs

VOCs 1715 hrs DG, NB
(BXH66) (cis 43, TCE 66
trans 0.8, PCE 9)

DD18

0821

1/27/99 0900 hrs on site.

NB here - move geoprobe onto GW2 for grouting

0910 - GHR arrives

0935 - grouting GW2

Measuring sampling locations

GW1/S9 is 35 feet from curb at Main Ave + 40 feet from incline of RR siding.

S1 95 ft from incline of RR siding
200 ft from curb at Main ave

S2 75 ft from incline of RR siding
340 ft " curb at Main Ave

GW2 25 ft from RR siding
350 ft " Main curb.

GW3B - Drive 1 inch rods as pilot hole 1112 hrs.

1130 hrs. NB reports that he made it to depth but busted up the 1 inch rods. We are going down with GeoInsight.

DD19

1220 hrs GW3B collected 36.5'-40'

NB, PA BXH83

Duplicate called GW15B
BXH94 say its taken at 1300 hrs

PID at top of rod apparently responded about 0.2.

Dave triggs Reports for GW3B
cis DCE ~1 ppb
TCE ~1 ppb

GW3C 1412 Screened 51.5-55 PA NB
BHX59

FB6 1408 PZ,C
BHJ24 (BXJ24)

Dave Triggs Reports for GW3C
cis 56 ppb
TCE 4.9 ppb
PCE ~2 ppb

GW3D Screened 66.5-70' 1510 hrs
BXH43
PA, NB

- TRIGGS REPORTS -

cis 68.87 TCE 141.5
Trans 0.538 PCE 16.41

GW3 being grouted. Depart site 1700

DD20

1/28/99

FB7 PZ, CG 1050 hrs

GW4A refusal 2x, 3x made it to 25' - but no water - decision to get to 35' - 1055.

GW4A Screened 31.5' 35'

1123 hrs PA, NB

DAV2 TRIGGS REPORTS GW4A

TCE 5.8

CIS DCE 2.185

Some TICS

Decanning rods 1145 hrs.

GW4B Screened 41.5-45'

1210 hrs PA, NB

Trans 0.65
CIS 2.987
TCE 13.92
PCE 0.803

D.T. GW4B GC RUN.

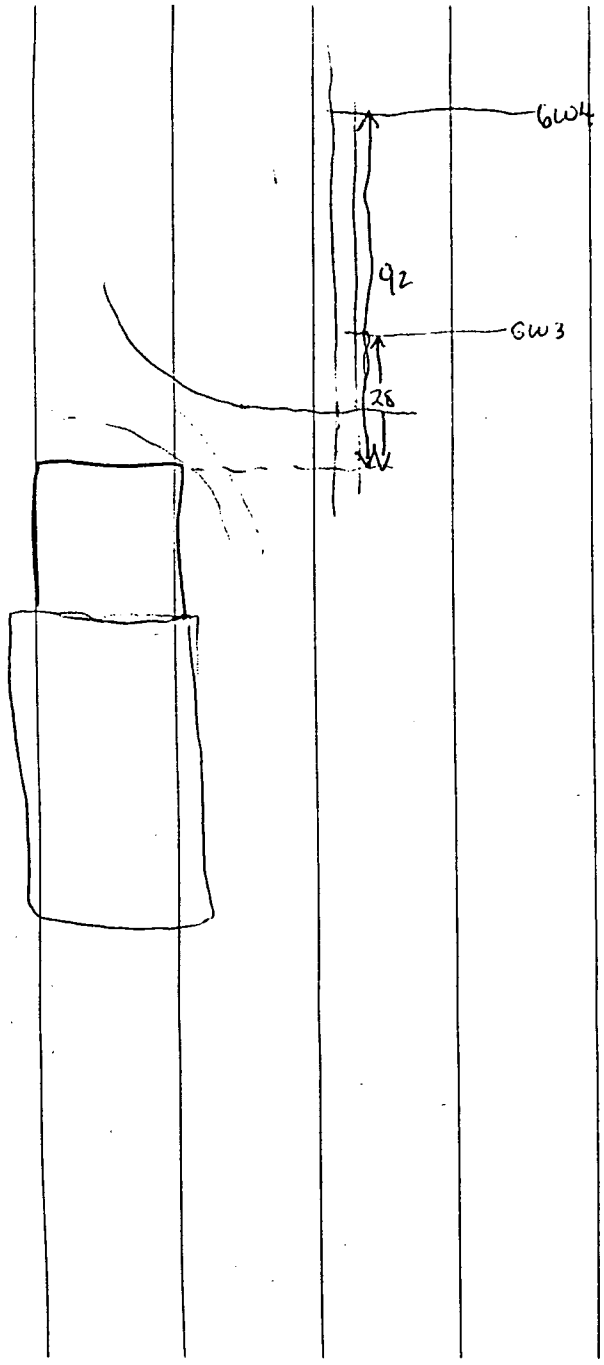
GW4C screened 51.5-55' 1255 hrs

PA, NB

TRIGGS REPORTS

TRANS .044 TCE 16.15

CIS 2.8



GW4D Screened 66.5'-70'
NS; PA 1430 hrs
Trans .331
CIS 14.21
TCE 139.4
PCE 4.611

1500 hrs - grouting GW4

GW3 is 28 paces ~~along~~ from flush line of building as shown ~~below~~ opposite.
GW4 is 92 paces from flush line

GW5A 1610 hrs 21.5'-25'
BXJ18
PA, NB
CIS .273 } Triggs
TCE 1.642

Discussion with Cory - will pick up blank water on tues night.

DD22

1/29/99

On site with Filled Decon tank-745

Pulling rods at GW5A.

0830 - rods pushed to 40' at GW5B

Screened 34.5-40' samplers NB, PA

GW5B at 0900 hrs.

TRIGGS TCE 34.05 PCE 2.75 LOB of TICS

GW5C 1002 hrs PA, NB

(BXH 54) Screened 51.5'-55'

★ OUT OF O-RINGS for Geoinsight

when

Trans	4.034	Triggs 5C
Cis	8.134	
TCE	33.54	
PCE	8.48	

1120 - rods set 70 ft. 66.5'-70'

1152 - cant get sample - very silty soup like liquid. We cut off check valve + poored out silt. Will try to collect sample from higher in the rods.

Sample very silts

GW5D 1200 SH, NB, PA

DD23

- sample tubing
- more rods
- coated tyvek
- charge drill, charge TV.t

1218 grouting GW5

Triggs
Trans 1
cis 9.7
TCE 3.3

Big bubbles in sample!!

Triggs ran it a.

1330 hrs — Geoprobe back at GW13 location. Pushing to 40'.

GW13B PA, NB 1414 hrs ~~36~~ 5'-40'
BXHA1
sample fairly clear.
cis 6.149 — Dave Trigs

FB8 BF, NS 1517 hrs

GW13C NB, SH, PA 51.5 -55'
1500 hrs
Triggs Reports — Trans .677 TCE 1.22
cis 6.64

Grout GW13
Decon ; Depart 1642

DD24

2/1/99 1000 hrs

Jerry Schneider + Sean Smith
at GW13 - go to 70 ft.
FB7 1050 hrs PZ, NS
J.S. reports refusal at 60 ft
GW13D taken At 60'-57' (RF since NP)

"SW6" is Dup at SW4 location
SW4 LR, SH, NS samples
1140-1200 Surface Water
1205-1220 Seds pH 6.7

SW4 taken 20 ft upstream of
stormwater discharge. Sheen
on seds No Dup for metals here)

(SED 3) (1410-1420 SW3)
(1430-1524) MS/MSD + Dup here for
sediments pH 6.7
Sed 3 was taken 40 yds down stream from
SW3 due to

GW 8A 25' - 21.5' RF, SS
GW 8B 39.1 — 36.1' JS, SS OBSTRUCTION
GW 8C 55 - 51.5 JS, RF
sheen visible on
GW 8B + 8C

DD25

Rob. Fowler Reports:

GW8A PCE 0.3 ppb
TCE 0.3 ppb

GW8B PCE 0.6
cis DCE 0.09 many TICs
TCE 1.9

*GW8C ~~TRA~~DCE 0.8
cis DCE 0.08
TCE 0.2
PCE 0.5

*3 rods broke off must assume this sample is from only 40 ft or so.

SW 2 pH 6.2

SW 1 pH 6.2

SW5
1720 - 1737 NS pH 6.5
Sed 5 1746
10.4 g for VOC
SED 5 complete 1759

DD26

2/2/99

Decision to redrill at GW8 location to 55 ft depth. Move over 5 ft and again encounter refusal at ___ ft. Pull up rods in order to decon + try again but find that last rod was sheared off. ~~at final rod~~. So 2 more rods are destroyed. Took BN/AE + Pest/PCB from rods left in (from yesterday) at 39' ~~one~~ (GW8B)

Note that water purged from rods was clear + had no sheen but stinks of waste oil. Calling it GW8B. 10.30 hrs LR, SH samplers.

1116 - grouting both GW8 locations.

ANOTHER BROKEN ROD - we are out of GEOINSITE EQUIP.!! must use

D027

- DOH bottles
- MeOH Bottles (put placard on it)
- get blanks
- strapping tape
- get points on desk

2/3/99

- COC seals for bottles
- Strapping tape
- VPS "to lab" Forms
- Large zip-loc bags

Geoprobe 1" rods + no screen.

GW14A 1218 hrs - ready to push rod.
1230 - pushed to 24 ft
1250 - difficulty getting water - try peristaltic instead of check valve.

TOOK BN AE, PEST PCB + VOC AT 1300 hrs SH, SS, NS

FB8 1330 hrs SS, LR, NS

Paperwork + bottles ~> 1721
Calls to warehouse, etc

Fowler Reports GW14A Trans 0.3 TCE 5.0
CIS 2.7 PCE 0.2

2-3-99 On site 1000

On GW10 1018 - Drive small rod to 15 ft - hit obstruction

1030 hrs - Fitting for point has concrete + brick jammed into it! Trying to clean it out. 1045 - Filling fitting where it was sampled.

1050 moved over 5' - will try again - appear to be hitting voids 1058 - pushed to 25 ft. Will retrieve small rod + use geoinsight for GW sample.

DD26

~~GW10A~~ - 1120 hrs LR, DG

try to get GW10A through Geoinsight but apparently its filled with soil - no water. Pulled rods out - lost 1 in the hole.

- Deconning rods - done 1150 hrs.

Will try small dia rod now - pushed to 15' and refusal - will try 1 more time at GW10

1210 - Geoprobe moving to a point 50 ft west - Geoprobe stuck in mud - 1225 - geoprobe out of mud.

1230 - driving small rod at new location obstruction at 12 ft.

Mike Formisano - Roller hockey lease holder - Amsterdam property (called Attorney Jacobs)

1302 - ~~21.5 - 25'~~ at GW10A - getting H_2O depth 21 ft last rod broken

GW10A - 1306 hrs - LR + DG dark silty sample

Fowler Reports - TCE at 0.1 ppb.

TB4 in cooler for this sample set.

DD29

Rods are broken again—
we cannot continue with
groundwater.

DD30

57 (GW14 location) (TVA Battery dead.)

0 ½ void → F-CS, Asphalt, glass, silty F-MS, concrete → 4 ft

4 ← Ash → 8
(caverin, silty FS, plastic sheet, ash-wood, light petrol soil)

8 ← Black Ash → 12

12 Black Ash → F-M sand wet → 16

57 VOC LR, DG 15.5 ft (sand) 1500 hrs

semis, pest/pcb, metals + CN taken from a composite of 12-16 ft interval 1515 hrs LR/DG

58

0 leaf silty F-MS white Ash, wood, brick, coal, MCS → 4

4 CS, silty MS, silty FS, silt + clay, brick, plastic, wood, brick → 8

8 silty FS, sandstone, silty F-MS concrete silty F-MS → 12

12 silty FS, coal + ash, silty FS, sandstone frag, coal ash → 16

DD31

16 → 20

wet silty f-ms, → , ms, sandstone, silty fs

- VOC at 19.75 ft 1530 hrs LR/DG
- All other parameters taken from composite of 16-20 ft interval 1535-1550 LR/DG

1627 hrs decon complete.

DD32

Hamburg LF 1/20/99

On site @ 0920 CUS

GC operation All conc in ppb

~~Gtd~~

STD OK - update time; 12 cu/n, 30°C

	T DCE	CDCE	TCE	PCE	~~[illegible]~~ Depth
GW 1B	ND	5.4	9.7	1.0	
STG BLK	ND	ND	ND	ND	
GW 1C	ND	4.3	9.6	1.5	
STG BLK	ND	ND	ND	ND	

	All Conc PPB				
	T DCE	CDCE	TCE	PCE	Depth
GW 1-A	ND	ND	ND	ND	17-20
GW 1 B	ND	5.4	9.7	1.0	27-30
GW 1 C	ND	4.3	9.6	1.5	37-40
GW 1 D	ND	5.1	10.8	~~ND~~ 1.4	
GW 13A	ND	ND	ND	ND	17-20
GW 3A	ND	ND	ND	ND	21-24

DD33

ATTACHMENT EE

ATTACHMENT EE

Summary Report
Job # A0531330P
Term Contract X-22787

January, 19 - February 3, 1999 - Groundwater Sampling
Hamersley Landfill
Wallington, New Jersey
Bergen County, New Jersey

Sampling Date: January 19 - February 3, 1999
Report Date: February 8, 1999

Submitted by
Steven J. Hoke, P.G.
GHR Consulting Services, Inc.
300 Welsh Road
Building Three, Suite 110
Horsham, PA 19044-2209

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EEI

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Appendix B: Summary of Field Data

EE2

1. Executive Summary

Between January 19 and February 3, 1999 , GHR Consulting Services, Inc. (GHR) collected soil and groundwater samples from the landfill, former lagoon, and former underground storage tank areas on a property known as the Hamersly Landfill, located in Wallington, Bergen County, New Jersey. Five surface water and sediment samples were also collected along the banks of the Saddle River. The samples were collected under the supervision of the New Jersey Department of Environmental Protection's (NJDEP) Mr. Nick Sadono, the Case Manager for the Site. Mr. Sadono coordinated the project prior to the on-site work, and provided technical guidance during the actual field work. The GHR sampling personnel included Mr. Steven Hoke, P.G., Senior Project Manager/Geologist, Ms. Lisa Romanoski, Environmental Scientist, Mr. David Gulick, Environmental Scientist/Engineer, Mr, Christopher Glackin, Environmental Scientist, and Mr. Paul Astheimer, Environmental Scientist.

The NJDEP also engaged a Geoprobe through GHR. The Geoprobe was owned and operated by Mr. Sean Smith and Mr. Nevin Bradford of Strategic Environmental Management, Inc., located in Fayetteville, New York.

The engagement letter and scope of work (SOW) are presented in Appendix A.

GHR documented most of the on-site activities. Photo documentation was not required for this sampling episode. All activities were conducted using Level D dermal and respiratory protection. GHR was given a Health and Safety Plan by Mr. Sadono prior to the initiation of on-site activities.

2. Site Description

The Hamersley site does not have a street address; however, it is known as the Hamersley Manufacturing Company Landfill and is listed in tax records as "Main Street - rear". The site is also known as the Farmland Dairy Property. The Hamersley Landfill is located in Wallington Borough, Bergen County, New Jersey. The objective for the site investigation is to characterize contaminants and to determine the hazards these substances may pose to the environment and public health.

The site is partially secured with fencing but could be accessed from the Saddle River and from the railroad. The subject property is covered with dirt and demolition rubble is visible on the surface of the landfill and is probably buried in the landfill as well.

The Hamersley site consists of a former lagoon, and formerly contained 10 -12 underground storage tanks which stored petroleum products. In the 1990's the tanks, along with an unspecified amount of soil, were removed. Areas of concern identified by NJDEP/EMSA for sample collection include the landfill, former lagoon, a concrete pad, former USTs and Saddle River. Petroleum waste, solvents, and other unidentified materials are expected to be present. No other details concerning the USTs or use of the site were supplied to GHR.

EE3

3. Description of Sampling and QA/QC Methods Used

All sampling activities performed by GHR personnel were conducted in accordance with procedures specified in the NJDEP Field Sampling Procedures Manual. Soil samples were collected using lab cleaned and dedicated stainless steel trowels and augers provided by the NJDEP. Groundwater samples were collected using clear PVC tubing using either inertial surge techniques or a peristaltic pump. The samples were chain-of-custody sealed in coolers supplied by the laboratory. One aqueous field blank per day was collected when volatile organics constituted a parameter being investigated. GHR and NJDEP personnel established a decontamination area to steam clean all geoprobe rods used at each sample location and depth. The tubing from each monitoring well was discarded. GHR personnel wore disposable latex gloves during all sampling activities. Trash and disposables were collected in plastic bags and removed from the site by NJDEP personnel.

A summary of the field data is presented as Appendix B.

EE4

APPENDIX A
ENGAGEMENT LETTER AND SCOPE OF WORK

EE5

State of New Jersey

Christine Todd Whitman
Governor

Department of Environmental Protection
Division of Publicly Funded Site Remediation
PO Box 407
Trenton, New Jersey 08625-0407
(609) 584-4280

Robert C. Shinn, Jr.
Commissioner

Mr.Steven Hoke
300 Welsh Rd.
Building Three Suite 110
Horsham, PA 19044-2209

Here is a breakdown of the cost estimate I have prepared based on contract prices. Bear in mind, that although we anticipate the job lasting three weeks, it may take longer or it may be truncated by unforseen conditions. As a result the prices must be calculated on a per diem basis.

Geoprobe® w/operator	1 unit	@ $882.00	X 14 days	= $12,348.00
1 man crew field tech.	2 ea.	@ $211.50	X 14 days	= $ 5,922.00
Mob and de-mob	3 ea.	@ $602.90	X 1	= $ 1,808.70*
Final report Part 1	1 ea.	@ $901.20	X 1	= $ 901.20
				$20,979.90

Please contact me ASAP with your Thanks, Paul

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APPENDIX B
FIELD DATA

Hamersley Landfill
Middlesex, Middlesex County, New Jersey
Tuesday, January 19, 1999

Day 1

Boring #	TD	Screen	Begin	End	VOCs	Comments
GW-1		17-20	1110	1154	4	
GW-13	20'	17-20	1430	1510	2	
GW-3	----	----	1540	1600	----	Refusal at 9.4'; directed to move ~20' towards rink
GW-3A (second attempt)	16.4'	24-20.5	1610	1715		Peristaltic and surge technique used to bring up water

End of Day 1

E3

Hamersley
Middlesex, Middlesex County, New Jersey
Wednesday, January 20, 1999

Day 2

Boring #	TD	Screen	Begin	End	VOCs	Comments
GW1-B	30	28'-30	1045	1120	2	
GW1-C	40	36.5-40	1135	1200	2	
GW1-D	~36		1245	1335		Refusal @ 36'
GW-11	----	----	1520	1606	----	Obstructions 3 times; gave up at 1630 hours no water

End of Day 2

EE9

Hamersley
Middlesex, Middlesex County, New Jersey
Thursday, January 21, 1999

Day 3

Boring #	TD	Screen	Begin	End	VOCs	Comments
S-9	16'		1010	1055		started macro-core sampling
S-2	6.5'		1145	1340		Refusal at ~6.5' at three locations; got through on fourth location
S-1	25'		1440	1546		

End of Day 3

E10

Hamersley
Middlesex, Middlesex County, New Jersey
Friday, January 22, 1999

Day 4

Boring #	TD	Screen	Begin	End	VOCs	Comments
S4	21.2' refusal		0930	1156		0-4: red, brn med.Sand-ash layer; bottom 2' are ashalt & concrete, 4-8: core is half void; ashalt,fire bricks, wood 8-12: core is half void; cave in, brick, black soil, wood 12-16: wood, slight petrol. odor 16-20: wood and brick 20-21.5: refusal sample collected @ 20-21.5'
S-5	18' -20'		1315	1400		
S-3	not recorded		1435			
S-6	not recorded		1610			cinders

End of Day 4

EE11

Hamersley
Middlesex, Middlesex County, New Jersey
Monday, January 25, 1999

Day 5

Boring #	TD	Screen	Begin	End	VOCs	Comments
GW7-A	25	25-21.5	1015	1030	2	GW7 is moved from ists planned location to a spot with better access; the spot is 25' west of gate to lot on the road
GW7-B	40	40-36.5	1225	1430	2	screen did not deploy
GW-7C	55	55-51.5	1530	1600		decide to leave rods in hole-collect GW7D tomorrow
						Field blank #4 @ 1645-note there was no FB#3

End of Day 5

E512

Hamersley
Middlesex, Middlesex County, New Jersey
Tuesday, January 26, 1999

Day 6

Boring #	TD	Screen	Begin	End	VOCs	Comments
GW7D	69.4		0900	1040		effervescence
GW2		----	1304	1326		pounded 3 soil macro cores 0-4: soil & gravel, ash & wood chips, concrete & fiberglass 4-8: wood chips, ash, wood 8-11.6:same moved ahead 10'; 2 more macro cores revealed ash, brick, concrete and wood; we proceeded right at fence area despite the waste
GW2A	25	25-21.5	1330	1408		
GW2B	40	40-36.5	1445	1515		Field Blank #5 @1501
GW2C	55	55-51.5		1556		
GW2D	70	70-66.5	1653	1715		

End of Day 6

EE13

Hamersley
Middlesex, Middlesex County, New Jersey
Wednesday, January 27, 1999

Day 7

Boring #	TD	Screen	Begin	End	VOCs	Comments
GW3	31		1055	1125		Drove smaller rods to 31'
GW3-B	40	40-36.5	1120	1220		Duplicate called GW15B
GW3-C	55	55-51.5	1412			Field Blank #6 @ 1408
GW3-D	70	70-66.5	1510			

End of Day 7

E14

Hamersley
Middlesex, Middlesex County, New Jersey
Thursday, January 28, 1999

Day 8

Boring #	TD	Screen	Begin	End	VOCs	Comments
						Field Blank #7 @ 1050
GW4-A	35	35-33.5	1100	1123		Refusal 2 times; third time made it to 25', but no water; decision to go to 35' at 1055
GW4-B	45	45-41.5	1210			
GW4-C	55	55-51.5	1255			
GW4-D	70	70-66.5	1430	1500		
GW5-A	25	25-21.5	1610			

End of Day 8

EE15

EE16

Hamersley
Middlesex, Middlesex County, New Jersey
Friday, January 29, 1999

Day 9

Boring #	TD	Screen	Begin	End	VOCs	Comments
GW5-B	40	40-36.5	0830	0900		sampled @ 40'
GW5-C	55	55-51.5	1002			sampled @ 55'
GW5-D	70	70-66.5	1120	1200		sampled @ 70' sample very silty
GW13-B	40	40-36.5	1330	1414		
						Field blank #8 @ 1517
GW13-C	55	55-51.5	1500			

End of Day 9

E317

Hamersley
Middlesex, Middlesex County, New Jersey
Monday, February 1, 1999

Day 10

Boring #	TD	Screen	Begin	End	VOCs	Comments
GW13-D	60	60-57	1000			Refusal @ 60 Field Blank #7 @1050
SW4 Sed4	----	----	1140 1205	1200 1220		S6 is dup. At SW4 location no dup for metals here
SW3 Sed 3	----	----	1410 1430	1420 1525		MS, MSD, and Dup her for sediments
SW2 Sed 2	----	----	1552 1626	1558 1640		Gravely
SW1 Sed 1	----	----	1702 1716	1709 1730		Sandy
SW5 Sed5	----	----	1720 1746	1737 1759		
GW8-A	25	25-21.5				
GW8-B	39.1	39.1-36.1				Refusal @ 39.1
GW8-C	55	55-51.5				End of Day 10

E-15

Hamersley
Middlesex, Middlesex County, New Jersey
Tuesday, February 2, 1999

Day 11

Boring #	TD	Screen	Begin	End	VOCs	Comments
GW8-B	39'		1030	1116		out of geoinsight rods; must use geoprobe rods without screen
GW14-A	24'		1218	1300		
GW8-A	25'					
GW8-C	55'					Grouted

End of Day 11

EEA

Hamersley
Middlesex, Middlesex County, New Jersey
Wednesday, February 3, 1999

Day 12

Boring #	TD	Screen	Begin	End	VOCs	Comments
GW-10	25'					
GW10-A	24'	20.5 - 24	1018	1306		hit obstruction @15'-moved over 5' moved again to a new location rods are broken again; cannot continue with groundwater
S7	15.5	----	1515	1530		0-4: half void, f-c sand, asphalt, glass, silty soil, concrete 4-8: cave in, silty fs, plastic sheet, ash, wood, light pet. odor 8-12: black ash 12-16: black ash, f-m sand, wet sample @ 15.5' @ 1500
S8	20'	----	1535	1550		0-4: silty f-m sand, white ash, wood, brick, coal, mcs 4-8: cs, sitly ms, silty fs, silty clay, brick, plastic, wood 8-12: silty fs, sand stone, silty fs, concrete,. Silty f-m sand 12-16: silty fs, coal, ash silty fs, sandstone, coal ash 16-20: wet, silty, f-m sand, ms, sandstone, silty fs sample @ 19.76 @1530

End of Day 12

EE20

ATTACHMENT FF

State of New Jersey

Christine Todd Whitman
Governor

Department of Environmental Protection

Robert C. Shinn, Jr.
Commissioner

Division of Publicly Funded Site Remediation
PO Box 407
Trenton, New Jersey 08625-0407
(609) 584-4280

June 2, 1999

Larry Jacobs
Farer & Fersko
600 South Ave
PO Box 580
Westfield, NJ 07091

Re: Documents Regarding Block 71, Lot 35.02

Dear Mr. Jacobs:

As you know, the New Jersey Department of Environmental Protection (NJDEP) is writing a Site Investigation report for the above noted lot. Part of that process requires that we attempt to gather all relevant documents regarding the lot. Based upon the June 30, 1992 EWMA submittal which you forwarded to this office, EWMA was in the midst of a "Phase 1 site inspection" when it discovered the UST discharge at the lot. Typically, a "Phase 1" will include a historical evaluation of site operations. I would therefore be very interested in receiving a copy of EWMA's phase one report.

11/17/99 for the 2nd X Mr. Jacobs has promised to send deeds + "Pennwall" Consent order.

Your January 12, 1999 letter to this office indicates that your office would be forwarding a response to the "Request for Information" which we sent to you on November 17, 1998. Please indicate whether I should expect any additional materials regarding the site.

Finally, regarding the recent ground water sampling which was done by a party that was a potential buyer for the lot, it is my understanding that the monitor well data from the lot mirrored NJDEP's Geoprobe data. The consultant who I spoke to could not send me any official documents regarding the matter, but I am hoping you can.

FFI

Attached please find a summary of the certified laboratory data from our sampling efforts in January of this year. I expect that our report on the site can be completed by end of summer.

Should you have any questions regarding this letter, you can contact me at 609-584-4275.

Very truly yours,

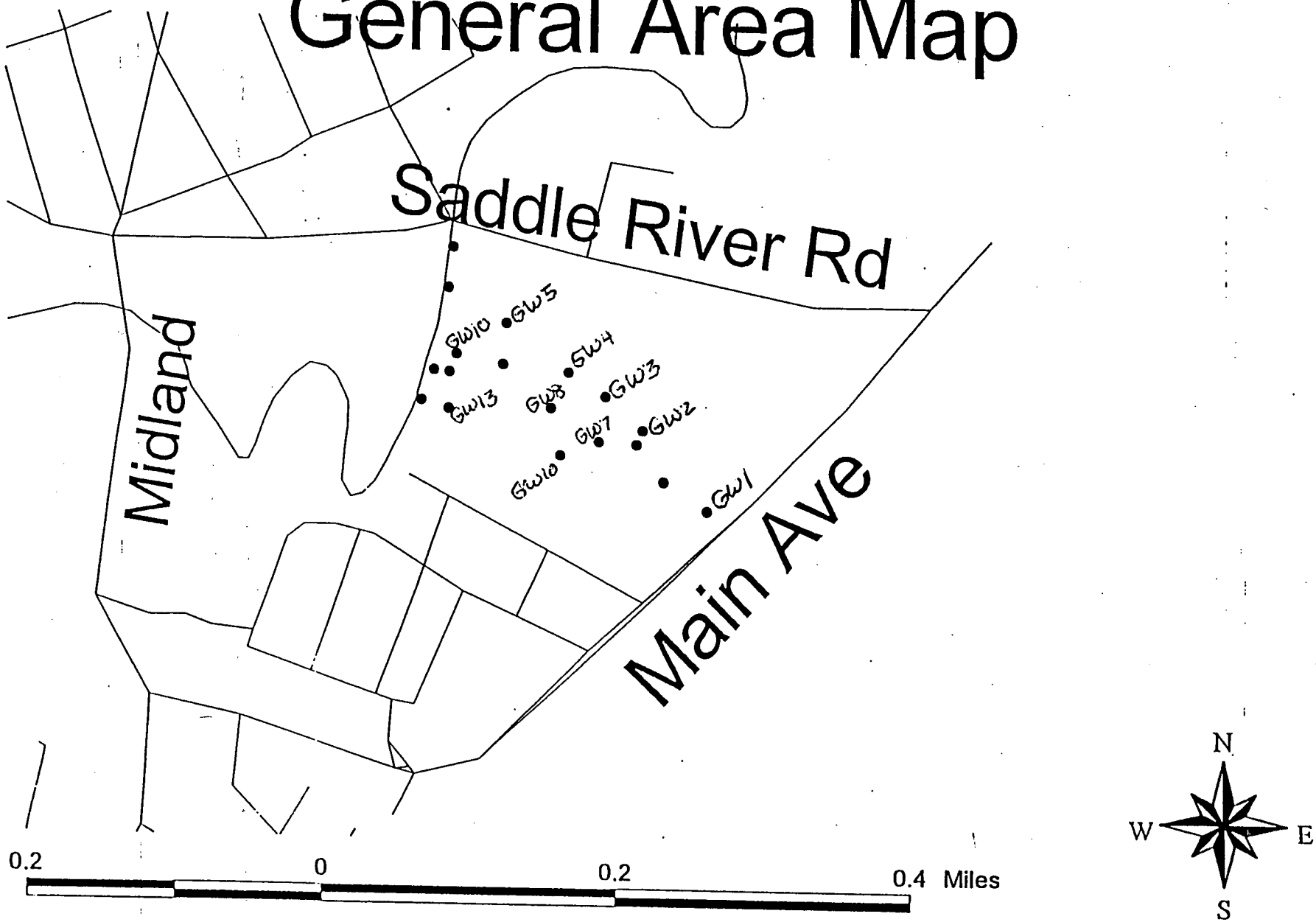
Nick Sodano, HSMS 2
Bureau of Environmental
Measurements & Quality
Assurance

VIA FACSIMILE

FF2

Hamersley Sample Locations
General Area Map

FF3



VOC Data for Ground Water Samples Collected at Hamersley Manufacturing Co. Landfill Wallington Borough, Bergen County

Sample #	Sample Depth	1,2-DCE (CIS)	TCE	Vinyl Chloride	PCE
GW1A	20 feet	ND	ND	ND	ND
GW1B	30 feet	8 ppb	8 ppb	ND	1 ppb
GW1C	40 feet	7 ppb	9 ppb	ND	1 ppb
GW1D	40 feet	7 ppb	9 ppb	ND	1 ppb
Note: Geoprobe could not penetrate beyond 40 feet in depth					

Sample #	Sample Depth	1,2-DCE (CIS)	TCE	Vinyl Chloride	PCE
GW2A	25 feet	0.6 PPB	ND	ND	ND
GW2B	40 feet	18 ppb	4 ppb	3 ppb	ND
GW2C	55 feet	490 ppb	160 ppb	1 ppb	6 ppb
GW2D	70 feet	270 ppb	100 ppb	2 ppb	5 ppb

Sample #	Sample Depth	1,2-DCE (CIS)	TCE	Vinyl Chloride	PCE
GW3A	25 feet	ND	0.6 ppb	ND	ND
GW3B	40 feet	0.8 ppb	0.7 ppb	ND	ND
GW3C	55 feet	67 ppb	25 ppb	ND	1 ppb
GW3D	70 feet	93 ppb	70 ppb	1 ppb	6 ppb
GW16b	Duplicate of GW3B	0.8 ppb	0.6 ppb	ND	ND

Sample #	Sample Depth	1,2-DCE (CIS)	TCE	Vinyl Chloride	PCE
GW4A	Note: These sample bottles were broken in transit from the site to the laboratory. Also broken were all of GW5 samples and all of GW13 excepting the GW13A sample.				
GW4B					
GW4C					
GW4D	70 feet	270 ppb	78 ppb	3 ppb	1 ppb

Sample #	Sample Depth	1,2-DCE (CIS)	TCE	Vinyl Chloride	PCE
GW7A	25 feet	ND	ND	ND	ND
GW7B	40 feet	9 ppb	ND	5 ppb	ND
GW7C	55 feet	12 ppb	0.8 ppb	ND	ND ppb
GW7D	69.4 feet	22 ppb	16 ppb	2 ppb	20 ppb
Note: Chlorobenzene was detected at GW7C & 7D at 21 ppb and 13 ppb respectively. The GWQS for same is 50 ppb. Note: Geoprobe could not penetrate deeper than 69.4 feet.					

FF4

VOC Data for Ground Water Samples Collected at Hamersley Manufacturing Co. Landfill Wallington Borough, Bergen County

Sample #	Sample Depth	1,2-DCE (CIS)	TCE	Vinyl Chloride	PCE
Note: None of the above noted compounds were detected at GW8. However, a sheen was observed on the ground water collected and naphthalene was detected in GW8B and GW8C at 2ppb. The GWQS for naphthalene is 300 ppb.					

Sample #	Sample Depth	1,2-DCE (CIS)	TCE	Vinyl Chloride	PCE
GW10A	21 feet	ND	ND	ND	ND
GW13A	20 feet	2 ppb	ND	0.7 ppb	ND
GW14A	24 feet	4 ppb	5 ppb	ND	ND7

FF5

TRANSMIT CONFIRMATION REPORT

NO.	:	001
RECEIVER	:	9087898660
TRANSMITTER	:	NJDEP/EMSA
DATE	:	JUN 02'99 8:29
DURATION	:	02'19
MODE	:	STD
PAGES	:	05
RESULT	:	OK

FF6

ATTACHMENT GG

MEMORANDUM

TO: Wallington Wells File

FROM: Nick Sodano, HSMS 2, NJDEP, EMSA

SUBJECT: Interview of 7/28/1999

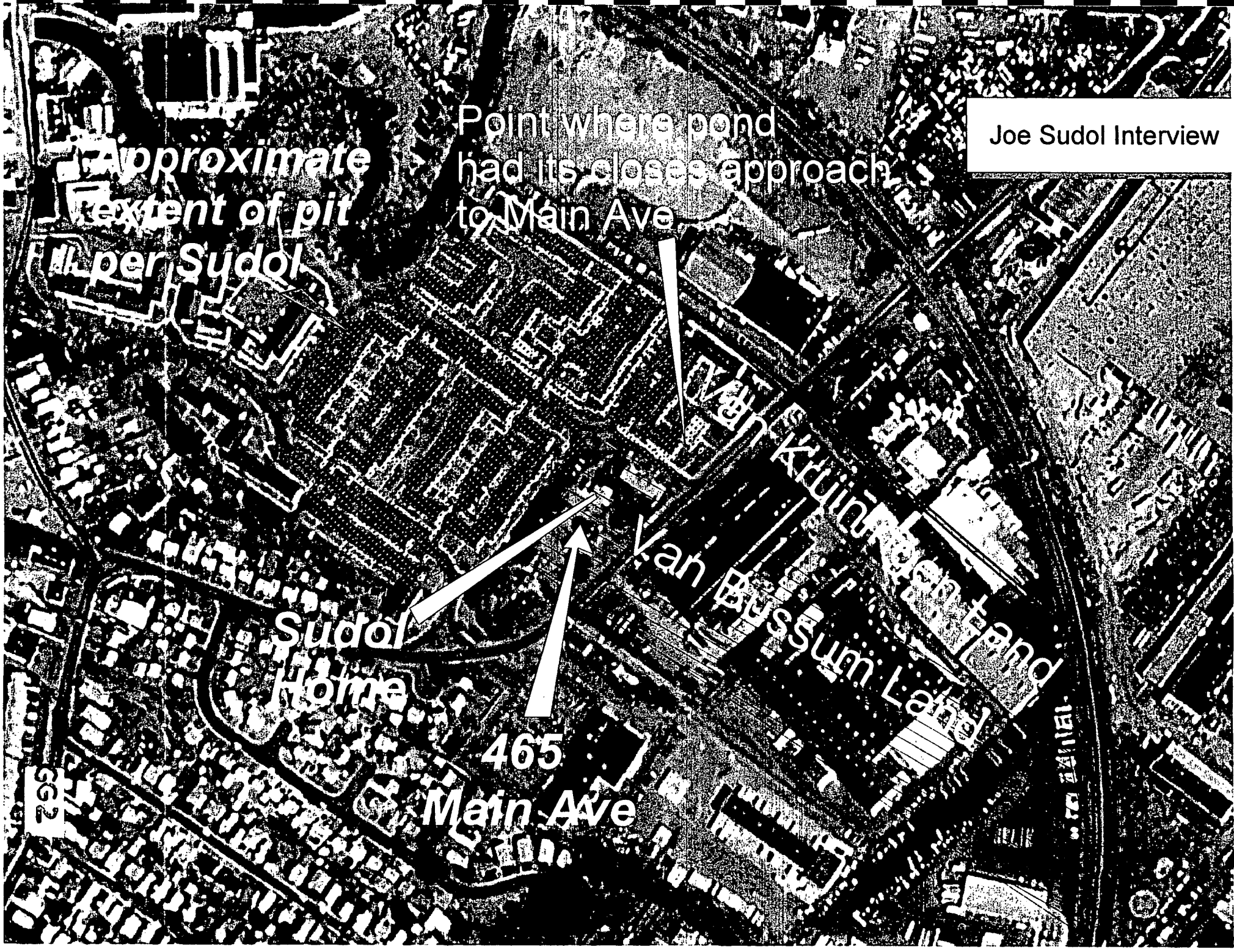
On this date I proceeded to Wallington to conduct an interview with Mr. Joseph Sudol, long time resident of the Borough of Wallington.

Mr. Sudol, who is in his 80s, has been retired since 1970. He worked 30 years for Curtiss Wright Corp. and is a pensioner of the company. His employment with Curtiss Wright began in 1940, when he worked at the Paterson plant. As soon as the Wood Ridge plant began operations, he moved to that location because they needed experienced workers to teach all the new employees. Mr. Sudol's work included the cutting of Magnesium metal. I asked if he used cutting oil for this process and he said no, that they cut the metal dry. He said that the metal often began to burn but was quickly extinguished by workers. They used "soap stone" as a means to keep flame extinguished. Mr. Sudol stated that at some point in his employ, the company began to automate some of this cutting jobs and at that time they began to get into cutting oils. He did not have memories of wastes produced by Curtiss Wright.

Mr. Sudol lives in a house located on Main Avenue which has a back yard that overlooks the Jasontown Apartments. The house is adjacent to and just north of 465 Main Avenue, which was the former house of William Van Kruiningen. Mr. Sudol's father purchased the house next to 465 Main Avenue Circa 1945. Mr. Sudol did not live there since he was married in 1938 and with a family by the time his father moved next to Van Kruiningen. However, Mr. Sudol visited regularly, helped with the Tavern at the house and had a garden at the property. He has lived there since 1964 when his father passed away. Mr. Sudol has a number of memories regarding the Van Kruiningen's and their land. He provided the following statements.

a. The Van Kruiningen's operated a landfill in the pit behind the 465 Main Avenue house. The size of the pit is generally as found in the attached sketch.
b. The pit did contain a pond which grew and decreased in size based upon flooding, rain and filling activites. The pond had its closest approach to Main Avenue near the current Blum St. which is a thorofare which leads out from Jasontown Apts (see sketch).
c. The Van Kruiningen's accepted waste from many, many sources, but Curtiss Wright a more routine sources of waste. Mr. Sudol recalls with specificity Curtiss Wright trucks entering the pit while he could not remember the names of other trucks entering the pit.
d. Mr. Sudol could not specify the extent of the landfill within the pit and added that the Van Kruiningen's discouraged folks from wandering in the pit. He recalled Mr. Van Kruiningen coming to him and stating that he did not want Mr. Sudol's children wandering in the pit. He thought they were fearful of children being hurt or drowning.
e. Mr. Sudol was not aware of any pipes which drained into the Van Kruiningen pit.
f. The Van Kruiningen's charged folk to fish in the pond before the war.
g. Prior to the war, Mr. Sudol was allowed to retrieve buckets of water from the pond for his garden at his father's house.
h. After the war, Mr. Sudol felt that the pond was not fit for fishing or irrigation. He did not recall oil or a fire at the pond but stated that he thought it had been largely filled.
i. Mr. Van Kruiningen lost a "shovel" into the Hamersley pond (note: another local contact stated that a dredge machine had fallen into the Van Kruiningen pond.)
j. The Hamersley pond was not a receptical for Hamersley waste, it was a source of clean water for the Hamersley facility. They had a pump house next to the pond.

Joe Sudol Interview



ATTACHMENT HH

FIELD GC ANALYSIS

GC OPERATOR: D. Triggs

DATE: 1/27/99, 1/28

SITE: Hammond

PHOTOVAC # 449

(SKETCH)

DEPTH (FT)	SAMPLE #	CONTAMINANT	CONC.(PPB)	COMMENTS
	3B	Cis DCE	1.328	
		TCE	1.160	
	3C	Cis DCE	56.32	
27th		TCE	49.98	
		PCE	2.169	
	3D	Trans DCE	0.538	
		Cis DCE	68.87	
		TCE	141.5	
		PCE	16.41	
	4A	Cis	2.185	
		TCE	5.801	
	4B	Trans PCE	0.065	
		Cis	2.987	
		TCE	13.92	
		PCE	0.803	
28th	4C	Trans	0.044	
		Cis	2.828	
		TCE	16.15	
	4D	Trans	0.331	
		Cis	14.21	
		TCE	139.4	
		PCE	4.611	
	5A	Cis	0.203	
		TCE	1.642	

NOTES: gain 20 Chad's PCE/TCE/DCE std. 28th - a lot of carry drift.

WEATHER:

HHI

FIELD GC ANALYSIS

GC OPERATOR: D. Trigg

DATE: 1/29/00

SITE: Hammerly

PHOTOVAC # 449

(SKETCH)

DEPTH (FT)	SAMPLE #	CONTAMINANT	CONC.(PPB)	COMMENTS
	5B	TCE	34.08	
		PCE	2.78	
	5C	Trans	4.034	
		Cis	8.154	
		TCE	33.54	
		PCE	8.480	
	5D	Trans	1.010	
		Cis	9.718	
		TCE	3.342	
	13B	Cis	6.149	
2nd run —	5D	Trans	0.411	
		Cis	8.716	
		TCE	3.447	
	13C	Trans	0.077	
		Cis	6.645	
		TCE	1.224	

NOTES: Initial baseline problems.

HH2

Hamersley L.F.

January 15, - February 3,1999
Groundwater
GC Analysis

Location	TCE	PCE	T- DCE	C-DCE
	(ppb)	(ppb)	(ppb)	(ppb)
GW-1A	nd	nd	nd	nd
GW-1B	9.7	1	nd	5.4
GW-1C	9.6	1.4	nd	4.3
GW-1D	10.8	1.4	nd	5.1
GW-7A	0.6	nd	1.1	nd
GW-7B	nd	nd	7.5	nd
GW-7C	1.5	nd	9.9	nd
GW-7D	7	11.6	0.8	17.6
GW-2A	nd	nd	nd	nd
GW-2B	1.4	nd	0.4	7.9
GW-2C	82	13	4.5	55
GW-2D	64	9.2	0.8	43
GW-3A	nd	nd	nd	nd
GW-3B	1.1	nd	nd	1.3
GW-3C	49	2.1	0.3	56
GW-3D	141	16.4	0.5	68.8

HH3

Hamersley L.F.

January 15, - February 3,1999
Groundwater
GC Analysis

GW-4A	5.8	nd	0.1	2.1
GW-4B	13.9	0.8	0.06	2.9
GW-4C	16.1	nd	0.04	2.8
GW-4D	139	4.6	0.3	14.2
GW-5A	1.6	nd	nd	0.2
GW-5B	34	2.7	nd	nd
GW-5C	33	8.4	4	8.1
GW-5D	3.4	nd	1	9.1
GW-13A	nd	nd	nd	nd
GW-13B	nd	nd	0.1	6.1
GW-13C	1.2	nd	0.07	6.6
GW-13D	nd	nd	nd	nd
GW-8A	0.1	0.3	nd	nd
GW-8B	1	1.2	nd	0.1
GW-8C	0.2	0.5	0.02	0.08
GW-14A	5	0.2	0.3	2.7

HH4

Hamersley L.F.

January 15, - February 3,1999
Groundwater
GC Analysis

GW-10A	0.1	nd	nd	nd

HH5

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH52 GW1A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.002 Date Received: 01/21/99

Lab File ID: B0694 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH6

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH52 GW1A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.002 Date Received: 01/21/99

Lab File ID: B0694 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	UNKNOWN	2.46	5	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

HH7

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH73

GW11

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.007 Date Received: 01/21/99

Lab File ID: B0698 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	8	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	2	
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	8	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH8

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH73 GW1B

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.007 Date Received: 01/21/99

Lab File ID: B0698 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH82 GW1C

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.008 Date Received: 01/21/99

Lab File ID: B0699 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	7	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	2	
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	9	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	
79-34-5	1,1,2,2-Tetrachloroethane	0.9	J
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH10

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH82 GW1C

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.008 Date Received: 01/21/99

Lab File ID: B0699 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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HH11
000060

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH58 GW1D

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.009 Date Received: 01/21/99

Lab File ID: B0700 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	7	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	2	
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	9	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH12

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH58 GW1I

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.009 Date Received: 01/21/99

Lab File ID: B0700 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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HH13

0265

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH52 ~~262~~

GW1A MPS 3/09/99

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2801

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/24/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	.3	J
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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

HH14

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH52 GW1A

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2801

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/24/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10 ~~4~~	~~JB~~ 4
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~1~~	~~JB~~ 4
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	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~6~~	~~JB~~ 4
117-84-0	Di-n-octylphthalate	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

HH15

0267

EPA SAMPLE NO.

BXH52 GW1A

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2801

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/24/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:____

Number TICs Found: 15 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	24.35	11	~~JB~~ R
02.	UNKNOWN	22.41	11	~~JB~~ R
03.	UNKNOWN	24.31	9	J
04.	UNKNOWN	25.66	8	~~JB~~ R
05.	UNKNOWN	23.97	8	~~JB~~
06.	UNKNOWN	23.93	6	~~JB~~
07.	UNKNOWN	25.72	6	~~JB~~
08.	UNKNOWN	27.33	6	~~JB~~
09.	UNKNOWN	24.48	4	~~JB~~
10.	UNKNOWN	26.08	4	~~JB~~
11.112-34-5	ETHANOL, 2-(2-BUTOXYETHOXY)-	12.59	4	~~JBN~~
12.	UNKNOWN	26.05	3	~~JB~~
13.	UNKNOWN	15.35	3	~~JB~~
14.	UNKNOWN	27.39	2	J
15.	UNKNOWN	21.97	2	J
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HH16

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXH52 GWIA

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-01

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1013CLP468

% Moisture: _____ decanted: (Y/N)__ Date Received: 01/21/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/01/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

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 ~~0.00070~~	~~JP~~ H
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 J
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
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH75 GW2A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.008 Date Received: 01/28/99

Lab File ID: B0768 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	0.6	J
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH75 GW2A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.008 Date Received: 01/28/99

Lab File ID: B0768 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH74 GW2B

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.009 Date Received: 01/28/99

Lab File ID: B0769 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	3	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	18	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	4	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH20

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH74 GW2E

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.009 Date Received: 01/28/99

Lab File ID: B0769 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH93 GW2C

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.012 Date Received: 01/28/99

Lab File ID: B0772 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	2	
75-34-3	1,1-Dichloroethane	5	
156-59-2	cis-1,2-Dichloroethene	* 490 ~~420~~	~~E~~
156-60-5	trans-1,2-Dichloroethene	2	
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	* 160 ~~120~~	~~E~~
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	6	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

* Results from dilution

FORM I LCV OLC02.0

000169
HH22

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH93 GW26

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.012 Date Received: 01/28/99

Lab File ID: B0772 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH66 GW2D

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.013 Date Received: 01/28/99

Lab File ID: B0792 Date Analyzed: 02/01/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	2	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	13	J
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	
75-34-3	1,1-Dichloroethane	13	
156-59-2	cis-1,2-Dichloroethene	* 270 ~~240~~	~~E~~
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	2	
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	0.9	J
56-23-5	Carbon tetrachloride	1	UJ
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	* 100 ~~87~~	~~E~~
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

* Results from dilution

FORM I LCV

HH24

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH66 GW2D

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.013 Date Received: 01/28/99

Lab File ID: B0792 Date Analyzed: 02/01/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH34 GW3A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.004 Date Received: 01/21/99

Lab File ID: B0695 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	0.6	J
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH34 GW3A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.004 Date Received: 01/21/99

Lab File ID: B0695 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1189

EPA SAMPLE NO.

BXH34 GW3A

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-03

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1013CLP477

% Moisture: _____ decanted: (Y/N)__ Date Received: 01/21/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/02/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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 J
1031-07-8	Endosulfan Sulfate	0.10 ~~0.0079~~	~~JP~~ 4
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

HH28

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH83 GW3B

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.014 Date Received: 01/28/99

Lab File ID: B0795 Date Analyzed: 02/01/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	0.8	J
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U J
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	0.7	J
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH83 GW3B

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.014 Date Received: 01/28/99

Lab File ID: B0795 Date Analyzed: 02/01/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH94 GW16I

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Duplicate of GW3B

Lab Sample ID: 5074.015 Date Received: 01/28/99

Lab File ID: B0796 Date Analyzed: 02/01/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	14	J
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	0.8	J
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	UJ
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	0.6	J
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH94 GW16I

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36 Duplicate of GW3B

Lab Sample ID: 5074.015 Date Received: 01/28/99

Lab File ID: B0796 Date Analyzed: 02/01/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH59 GW3

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.017 Date Received: 01/28/99

Lab File ID: B0777 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	0.8	J
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	* 67 ~~72~~	~~E~~
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	25	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

FORM I LCV * Result from Dilution OLC02.0

000066
HH33

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH59 GW3C

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.017 Date Received: 01/28/99

Lab File ID: B0777 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH43 GW3

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.018 Date Received: 01/28/99 2/4/99

Lab File ID: B0783 Date Analyzed: 01/30/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	0.9	J
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	* 93 ~~100~~	~~E~~
156-60-5	trans-1,2-Dichloroethene	0.8	J
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	70 ~~82~~	~~E~~
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	6	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	0.6	J
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

FORM I LCV * Result from dilution OLC02.0

000038

HH35

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH43 GW3D

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.018 Date Received: 01/28/99

Lab File ID: B0783 Date Analyzed: 01/30/99 2/4/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH34 GW3A

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2854

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	.4	J
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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH34 GW3A

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2854

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U J
100-02-7	4-Nitrophenol	25	U J
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10 ~~3~~	~~JB~~ M
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~7~~	~~JB~~ M
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	10	U J
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	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 J
53-70-3	Dibenz(a,h)anthracene	10	U J
191-24-2	Benzo(g,h,i)perylene	10	U J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH34 GW3A

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2854

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:____

Number TICs Found: 8 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01. 112-34-5	ETHANOL, 2-(2-BUTOXYETHOXY)-	12.38	3	JBN
02.	UNKNOWN	22.17	3	~~JB~~
03.	UNKNOWN	15.14	3	~~JB~~
04. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYLI	22.65	2	JN
05.	UNKNOWN	15.73	2	J
06.	UNKNOWN	23.77	2	~~JB~~
07.	UNKNOWN	14.76	2	J
08.	UNKNOWN	24.27	2	~~JB~~
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ08 GW4D

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.006 Date Received: 02/03/99

Lab File ID: B0942 Date Analyzed: 02/08/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	3	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	2	
75-34-3	1,1-Dichloroethane	1	
156-59-2	cis-1,2-Dichloroethene	* 270 ~~320~~	~~E~~
156-60-5	trans-1,2-Dichloroethene	1	
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	* 78 ~~95~~	~~E~~
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	2	
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

* Results from dilutions

FORM I LCV

000142

OLC02.0

HH40

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ08 GW4D

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.006 Date Received: 02/03/99

Lab File ID: B0942 Date Analyzed: 02/08/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH54 GW7F

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.002 Date Received: 01/28/99

Lab File ID: B0756 Date Analyzed: 01/28/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1 ~~0.6~~	~~J~~ U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

FORM I LCV

HH42

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH54 GW7A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.002 Date Received: 01/28/99

Lab File ID: B0756 Date Analyzed: 01/28/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.					
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1LCA

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

BXH79 GW7B

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.003 Date Received: 01/28/99

Lab File ID: B0757 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	5	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	2	
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	9	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	3	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

FORM I LCV

OLC02.0

000152

HH44

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH79 GW7B

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.003 Date Received: 01/28/99

Lab File ID: B0757 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH77 GW7C

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.004 Date Received: 01/28/99

Lab File ID: B0758 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	0.8	J
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	12	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	0.8	J
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	21	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH77 GW7C

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.004 Date Received: 01/28/99

Lab File ID: B0758 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH61 GW7D (unpreserve

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.007 Date Received: 01/28/99

Lab File ID: B0766 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	2	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	UR
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	* 22 ~~33~~	~~E~~
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	UR
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	* 16 ~~28~~	~~E~~
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	* 20 ~~35~~	~~E~~
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	13	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	UR
120-82-1	1,2,4-Trichlorobenzene	1	U

*Results from Dilution

FORM I LCV OLC02.0

000083

HH48

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH61

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.007 Date Received: 01/28/99

Lab File ID: B0766 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.		UNKNOWN	2.52	3	J
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ19 GW7I

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.006 Date Received: 01/28/99

Lab File ID: B0760 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	3	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	15	J
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	14	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	4	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	0.7	J
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	4	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	0.6	~~U~~ J
108-90-7	Chlorobenzene	3	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

FORM I LCV

OLC02.0

000212

HH50

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXJ19 GW7D

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.006 Date Received: 01/28/99

Lab File ID: B0760 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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000212 A
HH51

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH99 GWBA

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.005 Date Received: 02/03/99

Lab File ID: B0997 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	22	J
75-15-0	Carbon disulfide	4	
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH52

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH99 GW8A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.005 Date Received: 02/03/99

Lab File ID: B0997 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	UNKNOWN	23.31	2	J
2. 91-20-3	Naphthalene	29.99	2	JN
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH48 GW8I

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.002 Date Received: 02/03/99

Lab File ID: B0978 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	2	
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH48 GW8B

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.002 Date Received: 02/03/99

Lab File ID: B0978 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.	91-20-3	Naphthalene	29.96	2	JN
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000082

FORM I LCV-TIC

OLC02.0

HH55

0305

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BXH57 GW8B

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2835

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	.5	J
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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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 ~~9~~	~~J~~ 4
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	.6	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	7	J

HH56

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH57 GW8B

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2835

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	3	J
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10 ~~3~~	~~J~~ 4
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	6	J
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	2	J
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	6	J
120-12-7	Anthracene	3	J
86-74-8	Carbazole	.5	J
84-74-2	Di-n-butylphthalate	10 ~~8~~	~~JB~~ 4
206-44-0	Fluoranthene	4	J
129-00-0	Pyrene	2	J
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	1	J
218-01-9	Chrysene	1	J
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	.8	J
207-08-9	Benzo(k)fluoranthene	1	J
50-32-8	Benzo(a)pyrene	.8	J
193-39-5	Indeno(1,2,3-cd)pyrene	10	U J
53-70-3	Dibenz(a,h)anthracene	10	U J
191-24-2	Benzo(g,h,i)perylene	10	U J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH57 GWB B

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2835

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:____

Number TICs Found: 30 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	22.24	22	J
02.934-34-9	2(3H)-BENZOTHIAZOLONE	18.46	19	JN
03.80-05-7	PHENOL, 4,4'-(1-METHYLETHYLI	22.79	18	JN
04.81-84-5	1,8-NAPHTHALIC ANHYDRIDE	21.96	13	JN
05.	UNKNOWN	24.10	13	J
06.	UNKNOWN	24.62	12	J
07.	UNKNOWN	16.34	8	J
08.	UNKNOWN	26.80	6	J
09.	UNKNOWN	17.87	6	J
10.	UNKNOWN	11.47	5	J
11.	UNKNOWN C4 ALKYL BENZENE ISO	15.85	5	J
12.	UNKNOWN C12H8O ISOMER	23.28	5	J
13.	UNKNOWN	19.85	5	J
14.90-12-0	NAPHTHALENE, 1-METHYL-	14.44	5	JN
15.	UNKNOWN	11.74	4	J
16.	UNKNOWN	22.67	4	J
17.	UNKNOWN	11.45	4	J
18.	UNKNOWN	24.93	4	J
19.	UNKNOWN	22.45	4	J
20.	UNKNOWN	15.44	4	J
21.	UNKNOWN	17.00	4	J
22.	UNKNOWN	15.20	4	~~JB~~ K
23.	UNKNOWN	23.50	3	J
24.	UNKNOWN	23.20	3	J
25.	UNKNOWN	19.29	3	J
26.	UNKNOWN	20.06	3	J
27.	UNKNOWN	24.03	3	J
28.	UNKNOWN	24.34	3	J
29.	UNKNOWN	13.45	3	J
30.	UNKNOWN	21.09	3	J

HH58

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXH57 GW8B

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-13

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1019CLP053

% Moisture: _____ decanted: (Y/N)__ Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/05/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/20/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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 ~~0.0065~~	~~JP~~ U
72-20-8	Endrin	0.10 ~~0.0084~~	~~JP~~ U
33213-65-9	Endosulfan II	0.10 ~~0.013~~	~~JP~~ U
72-54-8	4,4'-DDD	0.10 ~~0.0042~~	~~JP~~ U
1031-07-8	Endosulfan Sulfate	0.10 ~~0.019~~	~~JP~~ U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U J
53494-70-5	Endrin Ketone	0.10 ~~0.013~~	~~JP~~ U
7421-93-4	Endrin Aldehyde	0.10 ~~0.0061~~	~~JP~~ U
5103-71-9	alpha-Chlordane	0.0038	~~JP~~ J
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST

OLM03.0

HH59

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH50 GW8C

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093_003 Date Received: 02/03/99

Lab File ID: B0979 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH60

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH50 GW8C

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.003 Date Received: 02/03/99

Lab File ID: B0979 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.		UNKNOWN	23.30	3	J
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HH61

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH67 GW10A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.008 Date Received: 02/04/99

Lab File ID: B1004 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

000108

FORM I LCV OLC02.0

HH62

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH67 GW10A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.008 Date Received: 02/04/99

Lab File ID: B1004 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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000109

FORM I LCV-TIC

OLC02.0

HH63

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH35 GW13A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.003 Date Received: 01/21/99

Lab File ID: B0706 Date Analyzed: 01/23/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	0.7	J
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	2	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH64

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH35

GW13A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.003 Date Received: 01/21/99

Lab File ID: B0706 Date Analyzed: 01/23/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH35RE GW13A

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-02RE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2853

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	.9	J
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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

HH66

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH35RE GW13A

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-02RE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2853

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U J
100-02-7	4-Nitrophenol	25	U J
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	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~5~~	~~J~~B M
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U J
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U J
117-84-0	Di-n-octylphthalate	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 J
53-70-3	Dibenz(a,h)anthracene	10	U J
191-24-2	Benzo(g,h,i)perylene	10	U J

(1) - Cannot be separated from Diphenylamine

HH67

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH35RE 6W13A

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-02RE

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2853

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

Number TICs Found: 6 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	25.48	4	J
02.	UNKNOWN	15.14	3	~~JB~~ R
03.	UNKNOWN	22.60	2	J
04. 112-34-5	ETHANOL, 2-(2-BUTOXYETHOXY)-	12.38	2	~~JBN~~ R
05.	UNKNOWN	14.76	2	J
06.	UNKNOWN	24.18	2	J
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXH35 GW13A

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-02

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1013CLP469

% Moisture: _____ decanted: (Y/N)__ Date Received: 01/21/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/01/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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 ~~0.00096~~	~~JP~~ U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan Sulfate	0.10 ~~0.0093~~	~~JP~~ U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.10 ~~0.0086~~	~~JP~~ U
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

0087

EPA SAMPLE NO.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BXH33 GW14A

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-15

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2837

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	.5	J
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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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 ~~2~~	~~J~~ 4
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

HH70

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH33 GW14A

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-15

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2837

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10 ~~8~~	~~J~~ 4
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	.5	J
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~1~~	~~JB~~ 4
206-44-0	Fluoranthene	.3	J
129-00-0	Pyrene	.3	J
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~1~~	~~J~~ 4
117-84-0	Di-n-octylphthalate	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 J
53-70-3	Dibenz(a,h)anthracene	10	U J
191-24-2	Benzo(g,h,i)perylene	10	U J

(1) - Cannot be separated from Diphenylamine

0089
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH33 GW14A

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-15

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2837

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:____

Number TICs Found: 13 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	16.94	6	J
02.	UNKNOWN ACID	12.08	5	J
03.	UNKNOWN	15.20	3	~~JB~~ R
04.	UNKNOWN	9.01	3	J
05.	UNKNOWN	24.13	3	J
06.	UNKNOWN C6H4FNO3 ISOMER	12.02	3	J
07.	UNKNOWN	23.81	2	J
08.	UNKNOWN ACID	13.44	2	J
09.	UNKNOWN	23.78	2	J
10.	UNKNOWN	22.25	2	J
11.	UNKNOWN	27.75	2	J
12.	UNKNOWN HEXANEDIOIC ACID ISO	23.95	2	J
13.	UNKNOWN C8H18O3 ISOMER	12.44	2	J
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HH72

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH33 GW14A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.004 Date Received: 02/04/99

Lab File ID: B1000 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	0.8	J
156-59-2	cis-1,2-Dichloroethene	4	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	0.5	J
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	5	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH33 GW14A

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.004 Date Received: 02/04/99

Lab File ID: B1000 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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000047

FORM I LCV-TIC OLC02.0

HH74

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXH33 GW14A

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-15

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1019CLP055

% Moisture: _____ decanted: (Y/N) __ Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/05/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/20/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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	0.05 ~~0.016~~	~~JP~~ U
319-86-8	delta-BHC	0.05 ~~0.0087~~	~~JPB~~ 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	0.010	J
72-20-8	Endrin	0.011	J
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 ~~0.0039~~	~~JP~~ U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin Ketone	0.014	~~JP~~ J
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

Surface Water

HH76

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ11 SW1

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.007 Date Received: 02/04/99

Lab File ID: B1020 Date Analyzed: 02/11/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	2	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	5	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	0.5	J
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	2	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH77

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXJ11 SW1

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.007 Date Received: 02/04/99

Lab File ID: B1020 Date Analyzed: 02/11/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
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000175

FORM I LCV-TIC

OLC02.0

HH78

EPA SAMPLE NO.

SW1
MBQF73

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): WATER Lab Sample ID: 66634S

Level (low/med): LOW Date Received: 02/03/99

% 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	18.6	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	85.4	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	48900			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	26.6			P
7439-89-6	Iron	314			P
7439-92-1	Lead	2.2	B		P
7439-95-4	Magnesium	12500			P
7439-96-5	Manganese	142			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	4230	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	53500			P
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	67.8			P
	Cyanide	4.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

HH79

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH47 SW1

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-14

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2836

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

HH80

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 0244

BXH47 SW1

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-14

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2836

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10 ~~3~~	~~B~~ 4
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~6~~	~~JB~~ 4
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	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

HH81

EPA SAMPLE NO.

BXH47 SW1

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-14

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2836

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs Found: 7 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C6H4FNO3 ISOMER	14.47	4	J
02.	UNKNOWN	11.83	4	J
03.	UNKNOWN	15.19	3	~~JB~~ K
04.	UNKNOWN C6H4FNO3 ISOMER	12.01	3	J
05.	UNKNOWN	11.67	3	J
06.	UNKNOWN	11.73	2	J
07.	UNKNOWN	9.01	2	J
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HH82

NEW JERSEY STATE DEPARTMENT of HEALTH and SENIOR SERVICES
ENVIRONMENTAL and CHEMICAL LABORATORY SERVICES
GENERAL CHEMISTRY

Laboratory Sample No. 9900483 Field No: ... SW1

	Sample Results	Result Qualifier	MDL	Analysis Date
Phenols(SSI)	ANR		0.05	
Phenols(pw)	ANR		0.005	
Hardness	223.03		5	990208
Sulfate	ANR		1	
Oil & Grease	ANR		2.4	
Petroleum Hydrocarbons	ANR		1	
Cyanide	ANR		0.010	
Conductance in umhos	ANR		0.1	
Dissolved Oxygen	ANR		0.2	
Fluoride	ANR		0.1	
Fluoride with Distillation	ANR		0.1	
Silica	ANR		2.5	
Sulfide	ANR		1	
TOX	ANR		.04	

	Sample Result	Result Qualifier	Dilutions				Analysis Date
BOD_5	ANR		% conc				
			+ / -				
$CBOD_5$	ANR		% conc				
			+ / -				
BOD_{20}	ANR		% conc				
			+ / -				
$CBOD_{20}$	ANR		% conc				
			+ / -				

NOTE: Sample results, method blanks and MDLs are expressed in parts per million (ppm), unless otherwise specified.

ANR = Analyte Not Request
J-MI = Approximate value due to matrix interferences
J-QC = Approximate value due to quality control problems.
J-HT = Approximate value due to the sample exceeding the holding time.
NA = Not Applicable
NAP = No analysis possible
QNS = Quantity Not Sufficient
EFAILURE = Equipment failure
NRP = No result possible

HH83

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXH47 SW01

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-14

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1019CLP054

% Moisture: _____ decanted: (Y/N)__ Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/05/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/20/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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	0.05 ~~0.0056~~	~~JP~~ U
959-98-8	Endosulfan I	0.05 ~~0.0040~~	~~JP~~ U
60-57-1	Dieldrin	0.0057	J
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 J
53494-70-5	Endrin Ketone	0.10 ~~0.0013~~	~~JP~~ U
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05 ~~0.0047~~	~~JP~~ U
5103-74-2	gamma-Chlordane	0.05 ~~0.0048~~	~~JP~~ U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH90 SW2

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.005 Date Received: 02/04/99

Lab File ID: B1001 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	2	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	5	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	2	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

000122

HH85

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH90

SW2

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.005 Date Received: 02/04/99

Lab File ID: B1001 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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000123

FORM I LCV-TIC

OLC02.0

HH86

EPA SAMPLE NO.

SW2
MBQF72

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): WATER Lab Sample ID: 66636S

Level (low/med): LOW Date Received: 02/03/99

% 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	22.7	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	81.2	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	46900			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	26.0			P
7439-89-6	Iron	316			P
7439-92-1	Lead	1.6	B		P
7439-95-4	Magnesium	12000			P
7439-96-5	Manganese	134			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.0	U		P
7440-09-7	Potassium	4020	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	51500			P
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	61.7			P
	Cyanide	4.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

HH87

NEW JERSEY STATE DEPARTMENT of HEALTH and SENIOR SERVICES
ENVIRONMENTAL and CHEMICAL LABORATORY SERVICES
GENERAL CHEMISTRY

Laboratory Sample No. 9900484 Field No: ... SW2

	Sample Results	Result Qualifier	MDL	Analysis Date
Phenols(SSI)	ANR		0.05	
Phenols(pw)	ANR		0.005	
Hardness	220.46		5	990208
Sulfate	ANR		1	
Oil & Grease	ANR		2.4	
Petroleum Hydrocarbons	ANR		1	
Cyanide	ANR		0.010	
Conductance in umhos	ANR		0.1	
Dissolved Oxygen	ANR		0.2	
Fluoride	ANR		0.1	
Fluoride with Distillation	ANR		0.1	
Silica	ANR		2.5	
Sulfide	ANR		1	
TOX	ANR		.04	

	Sample Result	Result Qualifier	Dilutions				Analysis Date
BOD_5	ANR		% conc				
			+ / -				
$CBOD_5$	ANR		% conc				
			+ / -				
BOD_{20}	ANR		% conc				
			+ / -				
$CBOD_{20}$	ANR		% conc				
			+ / -				

NOTE: Sample results, method blanks and MDLs are expressed in parts per million (ppm), unless otherwise specified.

ANR = Analyte Not Request
J-MI = Approximate value due to matrix interferences
J-QC = Approximate value due to quality control problems.
J-HT = Approximate value due to the sample exceeding the holding time.
NA = Not Applicable
NAP = No analysis possible
QNS = Quantity Not Sufficient
EFAILURE = Equipment failure
NRP = No result possible

HH88

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH90 SW2

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-16

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2838

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

HH89

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH90 SW2

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-16

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2838

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10 ~~2~~	~~J~~ 4
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~2~~	~~JB~~ 4
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	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~6~~	~~J~~ 4
117-84-0	Di-n-octylphthalate	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

HH90

1F

EPA SAMPLE NO.

BXH90 SW2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-16

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2838

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:___

Number TICs Found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	15.19	3	~~JB~~ R
02.	UNKNOWN	9.01	2	J
03.	UNKNOWN	11.81	2	J
04.				
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HH91

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXH90 SW2

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-16

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1019CLP056

% Moisture: _____ decanted: (Y/N)__ Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/05/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/20/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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	0.05 ~~0.0064~~	~~JPB~~ 4
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	0.05 ~~0.0030~~	~~JP~~ 4
959-98-8	Endosulfan I	0.05 ~~0.0063~~	~~J~~ 4
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.0077	J
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 J
53494-70-5	Endrin Ketone	0.10 ~~0.0081~~	~~JP~~ 4
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.0050	J
5103-74-2	gamma-Chlordane	0.05 ~~0.0039~~	~~JP~~ 4
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST

OLM03.0

HH92

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH47

SW3

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.003 Date Received: 02/04/99

Lab File ID: B0999 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	2	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	5	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	0.5	J
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	2	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH93

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH47

SW3

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.003 Date Received: 02/04/99

Lab File ID: B0999 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.					
2.					
3.					
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH31

SW6

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.001 Date Received: 02/03/99

Lab File ID: B0977 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	2	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	5	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	0.9	J
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	2	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH31

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

SW6

Lab Sample ID: 5093.001 Date Received: 02/03/99

Lab File ID: B0977 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.					
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HH96

EPA SAMPLE NO.

SW3
MBQF71

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): WATER Lab Sample ID: 66633S

Level (low/med): LOW Date Received: 02/03/99

% 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	86.3	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	86.3	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	48700			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	37.4			P
7439-89-6	Iron	362			P
7439-92-1	Lead	1.1	B		P
7439-95-4	Magnesium	12500			P
7439-96-5	Manganese	144			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.5	B		P
7440-09-7	Potassium	4210	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	52900			P
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	72.3			P
	Cyanide	4.0	U		CA

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

HH97

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH32 SW3

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-22

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2852

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

HH98

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH32 SW3

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-22

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2852

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U J
100-02-7	4-Nitrophenol	25	U J
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10 ~~.7~~	~~J~~ 4
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~.2~~	~~JB~~ 4
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	10	U J
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~.7~~	~~J~~ 4
117-84-0	Di-n-octylphthalate	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 J
53-70-3	Dibenz(a,h)anthracene	10	U J
191-24-2	Benzo(g,h,i)perylene	10	U J

(1) - Cannot be separated from Diphenylamine

0070

EPA SAMPLE NO.

BXH32 SW3

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-22

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2852

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

Number TICs Found: 2 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	32.34	13	J
02.	UNKNOWN	15.13	3	~~JB~~ K
03.				
04.				
05.				
06.				
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HH100

NEW JERSEY STATE DEPARTMENT of HEALTH and SENIOR SERVICES
ENVIRONMENTAL and CHEMICAL LABORATORY SERVICES
GENERAL CHEMISTRY

Laboratory Sample No. 9900485 Field No: ... SW3

	Sample Results	Result Qualifier	MDL	Analysis Date
Phenols(SSI)	ANR		0.05	
Phenols(pw)	ANR		0.005	
Hardness	217.35		5	990208
Sulfate	ANR		1	
Oil & Grease	ANR		2.4	
Petroleum Hydrocarbons	ANR		1	
Cyanide	ANR		0.010	
Conductance in umhos	ANR		0.1	
Dissolved Oxygen	ANR		0.2	
Fluoride	ANR		0.1	
Fluoride with Distillation	ANR		0.1	
Silica	ANR		2.5	
Sulfide	ANR		1	
TOX	ANR		.04	

	Sample Result	Result Qualifier	Dilutions				Analysis Date
BOD_5	ANR		% conc				
			+ / -				
$CBOD_5$	ANR		% conc				
			+ / -				
BOD_{20}	ANR		% conc				
			+ / -				
$CBOD_{20}$	ANR		% conc				
			+ / -				

NOTE: Sample results, method blanks and MDLs are expressed in parts per million (ppm), unless otherwise specified.

ANR = Analyte Not Request
J-MI = Approximate value due to matrix interferences
J-QC = Approximate value due to quality control problems.
J-HT = Approximate value due to the sample exceeding the holding time.
NA = Not Applicable
NAP = No analysis possible
QNS = Quantity Not Sufficient
EFAILURE = Equipment failure
NRP = No result possible

HH01

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ21 SW4

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.009 Date Received: 02/03/99

Lab File ID: B0967 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	2	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	5	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	0.6	J
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	2	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

FORM I LCV

OLC02.0

HH102

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXJ21

SW4

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.009 Date Received: 02/03/99

Lab File ID: B0967 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
2.				
3.				
4.				
5.				
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EPA SAMPLE NO.

SW4
MBQF70

INORGANIC ANALYSIS DATA SHEET

ab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

atrix (soil/water): WATER Lab Sample ID: 66629S

evel (low/med): LOW Date Received: 02/03/99

% 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	38.6	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	5.4	B		P
7440-39-3	Barium	89.4	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	50600			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	30.7			P
7439-89-6	Iron	491			P
7439-92-1	Lead	1.4	B		P
7439-95-4	Magnesium	13000			P
7439-96-5	Manganese	159			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	4540	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	55700			P
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	59.6			P
	Cyanide	4.0	U		CA

olor Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

omments:

HH104

NEW JERSEY STATE DEPARTMENT of HEALTH and SENIOR SERVICES
ENVIRONMENTAL and CHEMICAL LABORATORY SERVICES
GENERAL CHEMISTRY

Laboratory Sample No. 9900486 Field No: ... SW4

	Sample Results	Result Qualifier	MDL	Analysis Date
Phenols(SSI)	ANR		0.05	
Phenols(pw)	ANR		0.005	
Hardness	216.66		5	990208
Sulfate	ANR		1	
Oil & Grease	ANR		2.4	
Petroleum Hydrocarbons	ANR		1	
Cyanide	ANR		0.010	
Conductance in umhos	ANR		0.1	
Dissolved Oxygen	ANR		0.2	
Fluoride	ANR		0.1	
Fluoride with Distillation	ANR		0.1	
Silica	ANR		2.5	
Sulfide	ANR		1	
TOX	ANR		.04	

	Sample Result	Result Qualifier	Dilutions				Analysis Date
BOD_5	ANR		% conc				
			+ / -				
$CBOD_5$	ANR		% conc				
			+ / -				
BOD_{20}	ANR		% conc				
			+ / -				
$CBOD_{20}$	ANR		% conc				
			+ / -				

NOTE: Sample results, method blanks and MDLs are expressed in parts per million (ppm), unless otherwise specified.

ANR = Analyte Not Request
J-MI = Approximate value due to matrix interferences
J-QC = Approximate value due to quality control problems.
J-HT = Approximate value due to the sample exceeding the holding time.
NA = Not Applicable
NAP = No analysis possible
QNS = Quantity Not Sufficient
EFAILURE = Equipment failure
NRP = No result possible

HH105

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH32

SW 5

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.002 Date Received: 02/04/99

Lab File ID: B0998 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	2	
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	5	
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	0.7	J
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	0.9	J
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	2	
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH106

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH32

SW5

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.002 Date Received: 02/04/99

Lab File ID: B0998 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.				
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EPA SAMPLE NO.

SW5
MBQF74

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): WATER Lab Sample ID: 66632S

Level (low/med): LOW Date Received: 02/03/99

% 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	78.5	B		P
7440-36-0	Antimony	3.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	90.8	B	E	P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	1.0	U		P
7440-70-2	Calcium	50700			P
7440-47-3	Chromium	1.0	U		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	24.1	B		P
7439-89-6	Iron	440			P
7439-92-1	Lead	2.2	B		P
7439-95-4	Magnesium	13200			P
7439-96-5	Manganese	172			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	4600	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	54900			P
7440-28-0	Thallium	3.0	U		P
7440-62-2	Vanadium	1.1	B		P
7440-66-6	Zinc	69.2			P
	Cyanide	4.0	U		CA

J

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

HH108

NEW JERSEY STATE DEPARTMENT of HEALTH and SENIOR SERVICES
ENVIRONMENTAL and CHEMICAL LABORATORY SERVICES
GENERAL CHEMISTRY

Laboratory Sample No. 9900487 Field No: ... SW5

	Sample Results	Result Qualifier	MDL	Analysis Date
Phenols(SSI)	ANR		0.05	
Phenols(pw)	ANR		0.005	
Hardness	218.85		5	990208
Sulfate	ANR		1	
Oil & Grease	ANR		2.4	
Petroleum Hydrocarbons	ANR		1	
Cyanide	ANR		0.010	
Conductance in umhos	ANR		0.1	
Dissolved Oxygen	ANR		0.2	
Fluoride	ANR		0.1	
Fluoride with Distillation	ANR		0.1	
Silica	ANR		2.5	
Sulfide	ANR		1	
TOX	ANR		.04	

	Sample Result	Result Qualifier	Dilutions				Analysis Date
BOD_5	ANR		% conc				
			+ / -				
$CBOD_5$	ANR		% conc				
			+ / -				
BOD_{20}	ANR		% conc				
			+ / -				
$CBOD_{20}$	ANR		% conc				
			+ / -				

NOTE: Sample results, method blanks and MDLs are expressed in parts per million (ppm), unless otherwise specified.

ANR = Analyte Not Request
J-MI = Approximate value due to matrix interferences
J-QC = Approximate value due to quality control problems.
J-HT = Approximate value due to the sample exceeding the holding time.
NA = Not Applicable
NAP = No analysis possible
QNS = Quantity Not Sufficient
EFAILURE = Equipment failure
NRP = No result possible

HH109

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ11 SW5

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2834

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ11 SW5

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2834

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	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	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	.2	J
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~2~~	~~JB~~ U
206-44-0	Fluoranthene	.2	J
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	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~5~~	~~J~~ U
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	.6	J
193-39-5	Indeno(1,2,3-cd)pyrene	2	~~J~~ U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	2	~~J~~ U

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ11 SW5

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2834

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____

Number TICs Found: 2 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	15.19	3	~~JB~~ R
02.	UNKNOWN	9.02	3	J
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Sediments

HH113

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SED1

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377493

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377493EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 33 Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1800	U
74-83-9	Bromomethane	1800	U
75-01-4	Vinyl Chloride	1800	U
75-00-3	Chloroethane	1800	U
75-09-2	Methylene Chloride	1800	U
67-64-1	Acetone	1800	U
75-15-0	Carbon Disulfide	1800	U
75-35-4	1,1-Dichloroethene	1800	U
75-34-3	1,1-Dichloroethane	1800	U
540-59-0	1,2-Dichloroethene (total)	1800	U
67-66-3	Chloroform	1800	U
107-06-2	1,2-Dichloroethane	1800	U
78-93-3	2-Butanone	1800	U
71-55-6	1,1,1-Trichloroethane	1800	U
56-23-5	Carbon Tetrachloride	1800	U
75-27-4	Bromodichloromethane	1800	U
78-87-5	1,2-Dichloropropane	1800	U
10061-01-5	cis-1,3-Dichloropropene	1800	U
79-01-6	Trichloroethene	1800	U
124-48-1	Dibromochloromethane	1800	U
79-00-5	1,1,2-Trichloroethane	1800	U
71-43-2	Benzene	1800	U
10061-02-6	trans-1,3-Dichloropropene	1800	U
75-25-2	Bromoform	1800	U
108-10-1	4-Methyl-2-Pentanone	1800	U
591-78-6	2-Hexanone	1800	U
127-18-4	Tetrachloroethene	1800	U
79-34-5	1,1,2,2-Tetrachloroethane	1800	U
108-88-3	Toluene	1800	U
108-90-7	Chlorobenzene	1800	U
100-41-4	Ethylbenzene	1800	U
100-42-5	Styrene	1800	U
1330-20-7	Xylene (total)	1800	U

HH114

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SED1

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377493

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377493EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 33 Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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HH115

EPA SAMPLE NO.

SED1
MBQF91

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): SOIL Lab Sample ID: 66635S

Level (low/med): LOW Date Received: 02/03/99

% Solids: 74.1

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2510			P
7440-36-0	Antimony	0.79	U		P
7440-38-2	Arsenic	2.2	B		P
7440-39-3	Barium	50.3	B		P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	0.66	B		P
7440-70-2	Calcium	1470			P
7440-47-3	Chromium	19.5			P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	35.8			P
7439-89-6	Iron	6020			P
7439-92-1	Lead	91.5			P
7439-95-4	Magnesium	1050	B		P
7439-96-5	Manganese	81.1			P
7439-97-6	Mercury	0.14	U		CV
7440-02-0	Nickel	8.7	B		P
7440-09-7	Potassium	141	B		P
7782-49-2	Selenium	1.0	U	N	P
7440-22-4	Silver	0.52	U		P
7440-23-5	Sodium	162	B	E	P
7440-28-0	Thallium	0.79	U		P
7440-62-2	Vanadium	9.4	B		P
7440-66-6	Zinc	141			P
	Cyanide	0.27	U		CA

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

HH116

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ24 SED1

92

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-13

Sample wt/vol: 30 (g/mL) G Lab File ID: >02404

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 26 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	12	~~J~~ J
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	20	~~J~~
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	20	~~J~~
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	13	~~J~~
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	130	~~J~~

HH117

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ24 SED 1

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 93

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-13

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2404

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 26 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U J
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	44	~~J~~
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440 ~~16~~	~~JB~~ M
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	120	~~J~~
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	260	~~J~~
86-74-8	Carbazole	140	~~J~~
84-74-2	Di-n-butylphthalate	440 ~~30~~	~~JB~~ M
206-44-0	Fluoranthene	2300	
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	160	~~J~~
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	940	
218-01-9	Chrysene	1200	
117-81-7	bis(2-Ethylhexyl)phthalate	480	~~B~~ M
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	880	
207-08-9	Benzo(k)fluoranthene	720	
50-32-8	Benzo(a)pyrene	970	
193-39-5	Indeno(1,2,3-cd)pyrene	860	
53-70-3	Dibenz(a,h)anthracene	270	~~J~~
191-24-2	Benzo(g,h,i)perylene	880	

(1) - Cannot be separated from Diphenylamine

HH118

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXJ24 SED1

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 94

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-13

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2404

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 26 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	32.33	1200	J
02.	UNKNOWN	32.07	920	J
03.	UNKNOWN	31.32	680	J
04.	UNKNOWN C20H12 PAH	27.83	610	J
05.	UNKNOWN PHTHALATE ISOMER	27.51	560	J
06.	UNKNOWN	33.82	480	J
07.	UNKNOWN	26.59	480	J
08.	UNKNOWN	30.90	460	J
09.	UNKNOWN	31.48	430	J
10.	UNKNOWN	9.21	420	~~JB~~ K
11.	UNKNOWN SILOXANE	11.77	420	~~JB~~ K
12.	UNKNOWN	32.26	410	J
13.	UNKNOWN	30.19	400	J
14.	UNKNOWN C15H10 PAH	20.97	390	J
15.	UNKNOWN PHTHALATE ISOMER	29.09	320	J
16.	UNKNOWN	28.43	280	J
17.	UNKNOWN C20H12 PAH	28.13	280	J
18.	UNKNOWN	29.34	270	J
19.	UNKNOWN	32.83	260	J
20.	UNKNOWN	32.54	230	J
21.	UNKNOWN	28.22	220	J
22.	UNKNOWN	26.74	220	~~JB~~ K
23.	UNKNOWN C15H12 PAH	20.71	220	J
24.	UNKNOWN C17H12 PAH	23.33	210	J
25.	UNKNOWN	29.84	200	J
26.	UNKNOWN	26.20	190	J
27.	UNKNOWN PHTHALATE ISOMER	26.97	190	J
28.	UNKNOWN	30.44	180	J
29.	UNKNOWN	26.87	170	J
30.	UNKNOWN C15H12 PAH	20.77	160	J

HH119

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXJ24 SED 1

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water): SOIL Lab Sample ID: 990124B-13

Sample wt/vol: 30 (g/ml) G Lab File ID: C1021CLP064

% Moisture: 28 decanted: (Y/N) N Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/05/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8 Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG Q

319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U J
319-86-8	delta-BHC	~~2.4~~	~~P~~ R
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor Epoxide	2.4 ~~0.32~~	~~JP~~ U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6 ~~3.5~~	~~JP~~ U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	5.7	~~P~~ JN
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan Sulfate	4.6 ~~2.0~~	~~JP~~ U
50-29-3	4,4'-DDT	4.6 ~~1.1~~	~~JP~~ U J
72-43-5	Methoxychlor	24.	U J
53494-70-5	Endrin Ketone	4.6	U
7421-93-4	Endrin Aldehyde	4.6	U
5103-71-9	alpha-Chlordane	17.	~~PB~~ JN
5103-74-2	gamma-Chlordane	10.	~~PB~~ JN
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	46.	U
11104-28-2	Aroclor-1221	93.	U
11141-16-5	Aroclor-1232	46.	U
53469-21-9	Aroclor-1242	140	
12672-29-6	Aroclor-1248	46.	U
11097-69-1	Aroclor-1254	140	~~P~~ J
11096-82-5	Aroclor-1260	46 ~~70~~	~~P~~ U

FORM I PEST

OLM03.0

HH120

NEW JERSEY STATE DEPARTMENT of HEALTH and SENIOR SERVICES
ENVIRONMENTAL and CHEMICAL LABORATORY SERVICES
GENERAL CHEMISTRY

Laboratory Sample No. 9900488
Collection Date: 990201.1710
Laboratory Batch No. 99PFS00005
Matrix: Soil

Field No: ... SED1
Receipt Date: 990203.0930
Report Date: MAR. 23 1999

TOTAL ORGANIC CARBON

REPLICATE ANALYSIS

Number	Result mg/Kg	Qualifer
1.	12300	
2.	8600	
3.	6340	
4.	27600	
5.	25400	
6.	6500	

Mean: 14457. mg/Kg (dry weight basis) Qualifer:

Standard Deviation: 9598

Date of analysis : 990210-0211

PERCENT LOSS on DRYING: % Date of Analysis:
PERCENT Total Residue : 72.4 % Date of Analysis: 990205.1540

NR = Analyte Not Requested QNS = Quantity Not Sufficient
J-MI = Approximate value due to matrix interferences
J-QC = Approximate value due to quality control problems.
J-EHT or HT = Approximate value due to the sample exceeding the holding time.
NA = Not Applicable EFAILURE = Equipment failure
This is a custom form for TOCs in soil.
LP/GSTOC03.RPT <990323.1542>
$Header: GSTOC03.RPT,v 1.2 97/02/11 09:45:00 nuzzo Exp $

HH121

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SED2

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377494

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377494EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 36 Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1900	U
74-83-9	Bromomethane	1900	U
75-01-4	Vinyl Chloride	1900	U
75-00-3	Chloroethane	1900	U
75-09-2	Methylene Chloride	1900	U
67-64-1	Acetone	1900	U
75-15-0	Carbon Disulfide	1900	U
75-35-4	1,1-Dichloroethene	1900	U
75-34-3	1,1-Dichloroethane	1900	U
540-59-0	1,2-Dichloroethene (total)	1900	U
67-66-3	Chloroform	1900	U
107-06-2	1,2-Dichloroethane	1900	U
78-93-3	2-Butanone	1900	U
71-55-6	1,1,1-Trichloroethane	1900	U
56-23-5	Carbon Tetrachloride	1900	U
75-27-4	Bromodichloromethane	1900	U
78-87-5	1,2-Dichloropropane	1900	U
10061-01-5	cis-1,3-Dichloropropene	1900	U
79-01-6	Trichloroethene	1900	U
124-48-1	Dibromochloromethane	1900	U
79-00-5	1,1,2-Trichloroethane	1900	U
71-43-2	Benzene	1900	U
10061-02-6	trans-1,3-Dichloropropene	1900	U
75-25-2	Bromoform	1900	U
108-10-1	4-Methyl-2-Pentanone	1900	U
591-78-6	2-Hexanone	1900	U
127-18-4	Tetrachloroethene	1900	U
79-34-5	1,1,2,2-Tetrachloroethane	1900	U
108-88-3	Toluene	1900	U
108-90-7	Chlorobenzene	1900	U
100-41-4	Ethylbenzene	1900	U
100-42-5	Styrene	1900	U
1330-20-7	Xylene (total)	1900	U

HH122

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SED2

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377494

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377494EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 36 Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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HH123

NEW JERSEY STATE DEPARTMENT of HEALTH and SENIOR SERVICES
ENVIRONMENTAL and CHEMICAL LABORATORY SERVICES
GENERAL CHEMISTRY

aboratory Sample No. 9900489
ollection Date: 990201.1610
Laboratory Batch No. 99PFS00005
atrix: Soil

Field No: ... SED2
Receipt Date: 990203.0930
Report Date: MAR. 23 1999

TOTAL ORGANIC CARBON

REPLICATE ANALYSIS

Number	Result mg/Kg	Qualifer
1.	14000	
2.	12900	
3.	4540	
4.	9960	
5.	8660	
6.	21500	

Mean: 11927. mg/Kg (dry weight basis) Qualifer:

Standard Deviation: 5762

Date of analysis : 990210-0211

PERCENT LOSS on DRYING: % Date of Analysis:
PERCENT Total Residue : 69.6 % Date of Analysis: 990205.1540

NR = Analyte Not Requested QNS = Quantity Not Sufficient
J-MI = Approximate value due to matrix interferences
J-QC = Approximate value due to quality control problems.
-EHT or HT = Approximate value due to the sample exceeding the holding time.
NA = Not Applicable EFAILURE = Equipment failure
This is a custom form for TOCs in soil.
LP/GSTOC03.RPT <990323.1542>
$Header: GSTOC03.RPT,v 1.2 97/02/11 09:45:00 nuzzo Exp $

HH124

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SED3

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377495

Sample wt/vol: 10.3 (g/mL) G Lab File ID: L377495EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 43 Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2000	U
74-83-9	Bromomethane	2000	U
75-01-4	Vinyl Chloride	910	J
75-00-3	Chloroethane	2000	U
75-09-2	Methylene Chloride	2000	U
67-64-1	Acetone	2000	U
75-15-0	Carbon Disulfide	360	J
75-35-4	1,1-Dichloroethene	2000	U
75-34-3	1,1-Dichloroethane	2000	U
540-59-0	1,2-Dichloroethene (total)	1900	J
67-66-3	Chloroform	2000	U
107-06-2	1,2-Dichloroethane	2000	U
78-93-3	2-Butanone	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
56-23-5	Carbon Tetrachloride	2000	U
75-27-4	Bromodichloromethane	2000	U
78-87-5	1,2-Dichloropropane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
79-01-6	Trichloroethene	2000	U
124-48-1	Dibromochloromethane	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
71-43-2	Benzene	2000	U
10061-02-6	trans-1,3-Dichloropropene	2000	U
75-25-2	Bromoform	2000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
591-78-6	2-Hexanone	2000	U
127-18-4	Tetrachloroethene	2000	U
79-34-5	1,1,2,2-Tetrachloroethane	2000	U
108-88-3	Toluene	330	J
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	2000	U
100-42-5	Styrene	2000	U
1330-20-7	Xylene (total)	2000	U

HH125

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SED3

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377495

Sample wt/vol: 10.3 (g/mL) G Lab File ID: L377495EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 43 Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
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28.				
29.				
30.				

HH126

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SED3RE

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377495R1

Sample wt/vol: 10.3 (g/mL) G Lab File ID: L377495E2V

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 43 Date Analyzed: 02/08/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2000	U
74-83-9	Bromomethane	2000	U
75-01-4	Vinyl Chloride	880	J
75-00-3	Chloroethane	2000	U
75-09-2	Methylene Chloride	2000	U
67-64-1	Acetone	2000	U
75-15-0	Carbon Disulfide	2000	U
75-35-4	1,1-Dichloroethene	2000	U
75-34-3	1,1-Dichloroethane	2000	U
540-59-0	1,2-Dichloroethene (total)	2300	
67-66-3	Chloroform	2000	U
107-06-2	1,2-Dichloroethane	2000	U
78-93-3	2-Butanone	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
56-23-5	Carbon Tetrachloride	2000	U
75-27-4	Bromodichloromethane	2000	U
78-87-5	1,2-Dichloropropane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
79-01-6	Trichloroethene	2000	U
124-48-1	Dibromochloromethane	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
71-43-2	Benzene	2000	U
10061-02-6	trans-1,3-Dichloropropene	2000	U
75-25-2	Bromoform	2000	U
108-10-1	4-Methyl-2-Pentanone	2000	U
591-78-6	2-Hexanone	2000	U
127-18-4	Tetrachloroethene	2000	U
79-34-5	1,1,2,2-Tetrachloroethane	2000	U
108-88-3	Toluene	390	J
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	2000	U
100-42-5	Styrene	2000	U
1330-20-7	Xylene (total)	2000	U

HH127

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SED3RE

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377495R1

Sample wt/vol: 10.3 (g/mL) G Lab File ID: L377495E2V

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 43 Date Analyzed: 02/08/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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HH128

EPA SAMPLE NO.

SED3
MBQF93

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): SOIL Lab Sample ID: 66625S

Level (low/med): LOW Date Received: 02/03/99

% Solids: 56.8

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5880			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	21.1			P
7440-39-3	Barium	125			P
7440-41-7	Beryllium	0.66	B		P
7440-43-9	Cadmium	4.9			P
7440-70-2	Calcium	3200			P
7440-47-3	Chromium	360			P
7440-48-4	Cobalt	9.3	B		P
7440-50-8	Copper	1060			P
7439-89-6	Iron	16500			P
7439-92-1	Lead	173			P
7439-95-4	Magnesium	1970			P
7439-96-5	Manganese	226			P
7439-97-6	Mercury	0.61			CV
7440-02-0	Nickel	16.9			P
7440-09-7	Potassium	429	B		P
7782-49-2	Selenium	1.4	U	N	P
7440-22-4	Silver	3.2	B		P
7440-23-5	Sodium	228	B	E	P
7440-28-0	Thallium	1.0	U		P
7440-62-2	Vanadium	22.2			P
7440-66-6	Zinc	277			P
	Cyanide	0.35	U		CA

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

HH129

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ26 SED3

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 217

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-05

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2421

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 43 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	22	~~J~~ J
111-44-4	bis(2-Chloroethyl)ether	580	U
95-57-8	2-Chlorophenol	580	U
541-73-1	1,3-Dichlorobenzene	580	U
106-46-7	1,4-Dichlorobenzene	580	U
95-50-1	1,2-Dichlorobenzene	22	~~J~~
95-48-7	2-Methylphenol	580	U
108-60-1	2,2'-oxybis(1-Chloropropane)	580	U
106-44-5	4-Methylphenol	140	~~J~~
621-64-7	N-Nitroso-di-n-propylamine	580	U
67-72-1	Hexachloroethane	580	U
98-95-3	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-5	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	38	~~J~~
111-91-1	bis(2-Chloroethoxy)methane	580	U
120-83-2	2,4-Dichlorophenol	580	U
120-82-1	1,2,4-Trichlorobenzene	580	U
91-20-3	Naphthalene	250	~~J~~
106-47-8	4-Chloroaniline	580	U
87-68-3	Hexachlorobutadiene	580	U
59-50-7	4-Chloro-3-methylphenol	580	U
91-57-6	2-Methylnaphthalene	120	~~J~~
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	580	U
208-96-8	Acenaphthylene	210	~~J~~
606-20-2	2,6-Dinitrotoluene	580	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	290	J

HH13c

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ26 SED3

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

218

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-05

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2421

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 43 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1400	U J
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	130	~~J~~
121-14-2	2,4-Dinitrotoluene	580	U
84-66-2	Diethylphthalate	580	U
7005-72-3	4-Chlorophenyl-phenylether	580	U
86-73-7	Fluorene	320	~~J~~
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine (1)	79	~~J~~
101-55-3	4-Bromophenyl-phenylether	580	U
118-74-1	Hexachlorobenzene	580	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	2700	
120-12-7	Anthracene	760	
86-74-8	Carbazole	250	~~J~~
84-74-2	Di-n-butylphthalate	580 ~~26~~	~~JB~~ 4
206-44-0	Fluoranthene	2700	
129-00-0	Pyrene	3200	
85-68-7	Butylbenzylphthalate	580	U
91-94-1	3,3'-Dichlorobenzidine	580	U
56-55-3	Benzo(a)anthracene	1800	
218-01-9	Chrysene	2100	
117-81-7	bis(2-Ethylhexyl)phthalate	580 ~~280~~	~~JB~~ 4
117-84-0	Di-n-octylphthalate	580	U
205-99-2	Benzo(b)fluoranthene	1600	
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	900	
53-70-3	Dibenz(a,h)anthracene	310	~~J~~
191-24-2	Benzo(g,h,i)perylene	580	U

(1) - Cannot be separated from Diphenylamine

HH131

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ26 SED 3

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 219

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-05

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2421

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 43 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.8

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	31.54	19000	J
02.	UNKNOWN	31.96	16000	J
03.	UNKNOWN	32.17	5500	J
04.	UNKNOWN	31.07	5400	J
05.	UNKNOWN	33.92	5300	J
06.	UNKNOWN	32.53	5000	J
07.	UNKNOWN	34.30	4700	J
08.	UNKNOWN	26.25	4300	J
09.	UNKNOWN	24.61	3200	J
10.	UNKNOWN	32.83	2600	J
11.	UNKNOWN	33.36	2400	J
12.	UNKNOWN	9.19	2400	J~~B~~
13.	UNKNOWN	24.93	2000	J
14.	UNKNOWN	32.71	2000	J
15.	UNKNOWN	11.77	1800	J
16.	UNKNOWN	10.54	1800	J
17.	UNKNOWN	10.82	1800	J
18.	UNKNOWN	28.71	1600	J
19.	UNKNOWN	10.38	1600	J
20.	UNKNOWN C15H12 PAH	20.70	1600	J
21.	UNKNOWN	33.73	1400	J
22.	UNKNOWN	27.81	1400	J
23.	UNKNOWN	20.97	1300	J
24.	UNKNOWN	10.63	1300	J
25.	UNKNOWN	11.29	1300	J
26.	UNKNOWN C16H14 PAH	21.62	1200	J
27.	UNKNOWN	9.58	1200	J
28.	UNKNOWN	27.69	1100	J
29.	UNKNOWN	32.36	1100	J
30.	UNKNOWN	31.69	1000	J

HH132

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

SED6
MBQG06

Duplicate of SED3

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): SOIL Lab Sample ID: 66628S

Level (low/med): LOW Date Received: 02/03/99

% Solids: 54.8

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5610			P
7440-36-0	Antimony	1.1	U		P
7440-38-2	Arsenic	20.5			P J
7440-39-3	Barium	113			P
7440-41-7	Beryllium	0.64	B		P
7440-43-9	Cadmium	5.1			P
7440-70-2	Calcium	2850			P
7440-47-3	Chromium	296			P
7440-48-4	Cobalt	9.7	B		P
7440-50-8	Copper	929			P
7439-89-6	Iron	15800			P
7439-92-1	Lead	166			P
7439-95-4	Magnesium	1820			P
7439-96-5	Manganese	206			P
7439-97-6	Mercury	0.70			CV
7440-02-0	Nickel	16.1			P
7440-09-7	Potassium	385	B		P
7782-49-2	Selenium	1.4	U	N	P
7440-22-4	Silver	3.1	B		P
7440-23-5	Sodium	217	B	E	P
7440-28-0	Thallium	1.1	U		P
7440-62-2	Vanadium	21.5			P
7440-66-6	Zinc	254			P
	Cyanide	0.36	U		CA

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

000020

HH133

0916

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXJ26 SED3

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water): SOIL Lab Sample ID: 990124B-05

Sample wt/vol: 30 (g/ml) G Lab File ID: C1021CLP070

% Moisture: 41 decanted: (Y/N) N Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/05/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.9	U
319-85-7	beta-BHC	2.9	U
319-86-8	delta-BHC	2.9	U
58-89-9	gamma-BHC (Lindane)	2.9	U
76-44-8	Heptachlor	2.9 ~~0.18~~	~~JP~~ U
309-00-2	Aldrin	2.9 ~~0.83~~	~~JP~~ U
1024-57-3	Heptachlor Epoxide	2.9 ~~0.36~~	~~JP~~ U
959-98-8	Endosulfan I	2.9 ~~0.36~~	~~JPB~~ U
60-57-1	Dieldrin	5.6	U
72-55-9	4,4'-DDE	5.6	U
72-20-8	Endrin	5.6	U
33213-65-9	Endosulfan II	5.6	U
72-54-8	4,4'-DDD	11.	~~P~~ N
1031-07-8	Endosulfan Sulfate	4.8	J
50-29-3	4,4'-DDT	5.6	U
72-43-5	Methoxychlor	29.	U
53494-70-5	Endrin Ketone	5.6	U
7421-93-4	Endrin Aldehyde	5.6	U
5103-71-9	alpha-Chlordane	~~3.7~~	~~PB~~ R
5103-74-2	gamma-Chlordane	2.9 ~~2.6~~	~~JPB~~ U
8001-35-2	Toxaphene	290	U
12674-11-2	Aroclor-1016	56.	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	56.	U
53469-21-9	Aroclor-1242	56 ~~12.~~	~~JP~~ U
12672-29-6	Aroclor-1248	56.	U
11097-69-1	Aroclor-1254	56 ~~29.~~	~~JP~~ U
11096-82-5	Aroclor-1260	56.	U

FORM I PEST

OLM03.0

HH134

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ39 SED3 DUPLICATE

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 590

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-07

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2424

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 42 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	25	~~J~~ J
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
95-50-1	1,2-Dichlorobenzene	20	J
95-48-7	2-Methylphenol	570	U
108-60-1	2,2'-oxybis(1-Chloropropane)	570	U
106-44-5	4-Methylphenol	140	J
621-64-7	N-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	25	J
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	280	J
106-47-8	4-Chloroaniline	39	J
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	73	J
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	140	J
606-20-2	2,6-Dinitrotoluene	570	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	150	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ39 SED3 DUP

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

591

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-07

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2424

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 42 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	84	~~J~~
121-14-2	2,4-Dinitrotoluene	570	U
84-66-2	Diethylphthalate	570 ~~10~~	~~JB~~
7005-72-3	4-Chlorophenyl-phenylether	570	U
86-73-7	Fluorene	190	~~J~~
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine (1)	74	~~J~~
101-55-3	4-Bromophenyl-phenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	1800	
120-12-7	Anthracene	480	J
86-74-8	Carbazole	150	J
84-74-2	Di-n-butylphthalate	570 ~~110~~	~~JB~~
206-44-0	Fluoranthene	2100	
129-00-0	Pyrene	2400	
85-68-7	Butylbenzylphthalate	570	U
91-94-1	3,3'-Dichlorobenzidine	570	U
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1500	
117-81-7	bis(2-Ethylhexyl)phthalate	570 ~~400~~	~~JB~~
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo(b)fluoranthene	1100	
207-08-9	Benzo(k)fluoranthene	1100	
50-32-8	Benzo(a)pyrene	1300	
193-39-5	Indeno(1,2,3-cd)pyrene	560	J
53-70-3	Dibenz(a,h)anthracene	220	J
191-24-2	Benzo(g,h,i)perylene	570	U

(1) - Cannot be separated from Diphenylamine

HH136

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ39 SED3 DUP

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 592

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-07

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2424

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 42 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	31.58	27000	J
02.	UNKNOWN	32.01	24000	J
03.	UNKNOWN	26.27	16000	J
04.	UNKNOWN	31.08	7700	J
05.	UNKNOWN	32.56	7300	J
06.	UNKNOWN	33.98	7100	J
07.	UNKNOWN	24.61	6500	J
08.	UNKNOWN	33.45	5900	J
09.	UNKNOWN	32.18	5600	J
10.	UNKNOWN	34.32	5000	J
11.	UNKNOWN	31.64	3700	J
12.	UNKNOWN	24.92	3400	J
13.	UNKNOWN	32.87	2900	J
14.	UNKNOWN	29.36	2800	J
15.	UNKNOWN	32.73	2300	J
16.	UNKNOWN	33.75	2200	J
17.	UNKNOWN	28.71	2200	J
18.	UNKNOWN	27.82	2000	J
19.	UNKNOWN	29.87	1900	J
20.	UNKNOWN	26.07	1700	J
21.	UNKNOWN	29.80	1600	J
22.	UNKNOWN	31.72	1500	J
23.	UNKNOWN C15H12 PAH	20.71	1500	J
24.	UNKNOWN	11.76	1400	JB
25.	UNKNOWN C17H12 PAH	23.34	1400	J
26.	UNKNOWN	25.03	1300	J
27.	UNKNOWN	32.37	1300	J
28.	UNKNOWN	33.00	1200	J
29.	UNKNOWN	24.15	1200	J
30.	UNKNOWN	27.96	1100	J

HH137

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
0983
BXJ39 SED3 DUP

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water): SOIL Lab Sample ID: 990124B-07

Sample wt/vol: 30 (g/ml) G Lab File ID: C1021CLP041

% Moisture: 44 decanted: (Y/N) N Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/05/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/26/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.0	U
319-85-7	beta-BHC	3.0	U J
319-86-8	delta-BHC	3.0 ~~2.1~~	~~JP~~ M
58-89-9	gamma-BHC (Lindane)	3.0	U
76-44-8	Heptachlor	3.0 ~~0.19~~	~~JP~~ M
309-00-2	Aldrin	0.91	~~JP~~ J
1024-57-3	Heptachlor Epoxide	3.0 ~~1.0~~	~~JP~~ M
959-98-8	Endosulfan I	3.0 ~~0.89~~	~~JPB~~ M
60-57-1	Dieldrin	5.9	U
72-55-9	4,4'-DDE	5.9	U
72-20-8	Endrin	5.9	U
33213-65-9	Endosulfan II	5.9	U
72-54-8	4,4'-DDD	14.	~~P~~ NJ
1031-07-8	Endosulfan Sulfate	<9 ~~5.2~~	~~JP~~ M
50-29-3	4,4'-DDT	5.9	U J
72-43-5	Methoxychlor	30.	U J
53494-70-5	Endrin Ketone	5.9	U
7421-93-4	Endrin Aldehyde	5.9	U
5103-71-9	alpha-Chlordane	4.4	~~PB~~ UJ
5103-74-2	gamma-Chlordane	3.3	~~B~~
8001-35-2	Toxaphene	300	U
12674-11-2	Aroclor-1016	59.	U
11104-28-2	Aroclor-1221	120	U
11141-16-5	Aroclor-1232	59.	U
53469-21-9	Aroclor-1242	59.	U
12672-29-6	Aroclor-1248	59.	U
11097-69-1	Aroclor-1254	42.	J
11096-82-5	Aroclor-1260	<9 ~~34.~~	~~JP~~ M

FORM I PEST

OLM03.0

HH138

NEW JERSEY STATE DEPARTMENT of HEALTH and SENIOR SERVICES
ENVIRONMENTAL and CHEMICAL LABORATORY SERVICES
GENERAL CHEMISTRY

aboratory Sample No. 9900490 Field No: ... SED3
ollection Date: ..... 990201.1525 Receipt Date: 990203.0930
aboratory Batch No. 99PFS00005 Report Date: MAR. 23 1999
atrix: Soil

TOTAL ORGANIC CARBON

REPLICATE ANALYSIS

Number	Result mg/Kg	Qualifer
1.	42000	
2.	33100	
3.	39400	
4.	43200	
5.	43500	
6.	36600	

Mean: 39633. mg/Kg (dry weight basis) Qualifer:

Standard Deviation: 4128

Date of analysis : 990201-0211

PERCENT LOSS on DRYING: . % Date of Analysis:
PERCENT Total Residue : 59.7 % Date of Analysis: 990205.1540

R = Analyte Not Requested QNS = Quantity Not Sufficient
MI = Approximate value due to matrix interferences
-QC = Approximate value due to quality control problems.
EHT or HT = Approximate value due to the sample exceeding the holding time.
A = Not Applicable EFAILURE = Equipment failure
his is a custom form for TOCs in soil.
P/GSTOC03.RPT <990323.1542>
Header: GSTOC03.RPT,v 1.2 97/02/11 09:45:00 nuzzo Exp $

HH139

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SED4

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377496

Sample wt/vol: 8.6 (g/mL) G Lab File ID: L377496EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 28 Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1900	U
74-83-9	Bromomethane	1900	U
75-01-4	Vinyl Chloride	1900	U
75-00-3	Chloroethane	1900	U
75-09-2	Methylene Chloride	1900	U
67-64-1	Acetone	1900	U
75-15-0	Carbon Disulfide	1900	U
75-35-4	1,1-Dichloroethene	1900	U
75-34-3	1,1-Dichloroethane	1900	U
540-59-0	1,2-Dichloroethene (total)	1900	U
67-66-3	Chloroform	1900	U
107-06-2	1,2-Dichloroethane	1900	U
78-93-3	2-Butanone	1900	U
71-55-6	1,1,1-Trichloroethane	1900	U
56-23-5	Carbon Tetrachloride	1900	U
75-27-4	Bromodichloromethane	1900	U
78-87-5	1,2-Dichloropropane	1900	U
10061-01-5	cis-1,3-Dichloropropene	1900	U
79-01-6	Trichloroethene	1900	U
124-48-1	Dibromochloromethane	1900	U
79-00-5	1,1,2-Trichloroethane	1900	U
71-43-2	Benzene	1900	U
10061-02-6	trans-1,3-Dichloropropene	1900	U
75-25-2	Bromoform	1900	U
108-10-1	4-Methyl-2-Pentanone	1900	U
591-78-6	2-Hexanone	1900	U
127-18-4	Tetrachloroethene	1900	U
79-34-5	1,1,2,2-Tetrachloroethane	1900	U
108-88-3	Toluene	1900	U
108-90-7	Chlorobenzene	1900	U
100-41-4	Ethylbenzene	1900	U
100-42-5	Styrene	1900	U
1330-20-7	Xylene (total)	1900	U

HH 140

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SED4

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377496

Sample wt/vol: 8.6 (g/mL) G Lab File ID: L377496EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 28 Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

HH141

EPA SAMPLE NO.

SED4
MBQF94

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): SOIL Lab Sample ID: 66623S

Level (low/med): LOW Date Received: 02/03/99

% Solids: 69.3

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2810			P
7440-36-0	Antimony	0.84	U		P
7440-38-2	Arsenic	4.6			P
7440-39-3	Barium	63.3			P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	0.90	B		P
7440-70-2	Calcium	2190			P
7440-47-3	Chromium	16.2			P
7440-48-4	Cobalt	3.2	B		P
7440-50-8	Copper	47.7			P
7439-89-6	Iron	8680			P
7439-92-1	Lead	61.5			P
7439-95-4	Magnesium	1560			P
7439-96-5	Manganese	92.0			P
7439-97-6	Mercury	0.18			CV J
7440-02-0	Nickel	11.4			P
7440-09-7	Potassium	165	B		P
7782-49-2	Selenium	1.1	U	N	P
7440-22-4	Silver	0.56	U		P
7440-23-5	Sodium	212	B	E	P
7440-28-0	Thallium	0.84	U		P
7440-62-2	Vanadium	11.7	B		P
7440-66-6	Zinc	127			P
	Cyanide	0.29	U		CA

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

HH142

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ21 SED4

26

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-01

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2420

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 32 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	14	J J
111-44-4	bis(2-Chloroethyl)ether	480	U
95-57-8	2-Chlorophenol	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
95-50-1	1,2-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-oxybis(1-Chloropropane)	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-di-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	bis(2-Chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	120	J
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	77	J
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	480	U
208-96-8	Acenaphthylene	79	J
606-20-2	2,6-Dinitrotoluene	480	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	230	J

HH143

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ21 SED4

27

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-01

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2420

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 32 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U J
100-02-7	4-Nitrophenol	1200	U J
132-64-9	Dibenzofuran	98	~~J~~
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethylphthalate	4X0 ~~10~~	~~JB~~ A1
7005-72-3	4-Chlorophenyl-phenylether	480	U
86-73-7	Fluorene	240	~~J~~
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	64	~~J~~
101-55-3	4-Bromophenyl-phenylether	480	U
118-74-1	Hexachlorobenzene	480	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	2600	
120-12-7	Anthracene	570	
86-74-8	Carbazole	320	J
84-74-2	Di-n-butylphthalate	4X0 ~~48~~	~~JB~~ A1
206-44-0	Fluoranthene	2900	
129-00-0	Pyrene	3400	
85-68-7	Butylbenzylphthalate	68	J
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)anthracene	1500	
218-01-9	Chrysene	1800	
117-81-7	bis(2-Ethylhexyl)phthalate	1500	~~B~~
117-84-0	Di-n-octylphthalate	52	~~J~~
205-99-2	Benzo(b)fluoranthene	1400	
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	1200	
53-70-3	Dibenz(a,h)anthracene	430	J
191-24-2	Benzo(g,h,i)perylene	1100	

(1) - Cannot be separated from Diphenylamine

HH144

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ21 SED4

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 28

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-01

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2420

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 32 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	32.07	7200	J
02.	UNKNOWN	32.94	6200	J
03.	UNKNOWN	33.21	3500	J
04.	UNKNOWN	32.23	2300	J
05.	UNKNOWN	32.54	2300	J
06.	UNKNOWN	33.61	2200	J
07.	UNKNOWN	34.17	2000	J
08.	UNKNOWN C22H14 PAH	31.29	1400	J
09.	UNKNOWN	32.66	1300	J
10.	UNKNOWN C20H12 PAH	27.82	1200	J
11.	UNKNOWN	33.86	980	J
12.	UNKNOWN	20.95	810	J
13.	UNKNOWN C22H14 PAH	31.44	780	J
14.	UNKNOWN	30.16	770	J
15.	UNKNOWN C15H12 PAH	20.68	740	J
16.	UNKNOWN	29.31	620	J
17.	UNKNOWN C22H12 PAH	32.34	590	J
18.	UNKNOWN	9.19	580	~~JB~~
19.	UNKNOWN	27.14	570	J
20.	UNKNOWN	22.26	560	J
21.	UNKNOWN C20H12 PAH	28.12	560	J
22. 84-65-1	9,10-ANTHRACENEDIONE	21.37	540	JN
23.	UNKNOWN	33.70	500	J
24.	UNKNOWN	29.70	490	J
25.	UNKNOWN	26.19	400	J
26.	UNKNOWN	27.62	390	J
27.	UNKNOWN C15H12 PAH	20.75	360	J
28.	UNKNOWN SILOXANE	11.74	360	~~JB~~
29.	UNKNOWN C20H12 PAH	27.43	350	J
30.	UNKNOWN	28.20	340	J

HH145

893

EPA SAMPLE NO.

BXJ21 SED4

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water): SOIL Lab Sample ID: 990124B-01

Sample wt/vol: 30 (g/ml) G Lab File ID: C1021CLP067

% Moisture: 33 decanted: (Y/N) N Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/05/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.5	U
319-85-7	beta-BHC	2.5	U J
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC (Lindane)	2.5	U
76-44-8	Heptachlor	2.5	U
309-00-2	Aldrin	2.5	U
1024-57-3	Heptachlor Epoxide	2.5	U
959-98-8	Endosulfan I	2.5 ~~0.47~~	~~JPB~~ U
60-57-1	Dieldrin	4.9 ~~4.2~~	~~JP~~ U
72-55-9	4,4'-DDE	4.9	U
72-20-8	Endrin	5.9	~~P~~ J N
33213-65-9	Endosulfan II	4.9	U
72-54-8	4,4'-DDD	9.8	
1031-07-8	Endosulfan Sulfate	4.4 ~~1.9~~	~~JP~~ U
50-29-3	4,4'-DDT	4.4 ~~1.0~~	~~JB~~ J
72-43-5	Methoxychlor	25.	U
53494-70-5	Endrin Ketone	10.	~~P~~ J
7421-93-4	Endrin Aldehyde	4.9	U
5103-71-9	alpha-Chlordane	~~17.~~	~~PB~~ K
5103-74-2	gamma-Chlordane	10.	~~PB~~ N
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	49.	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	49.	U
53469-21-9	Aroclor-1242	220	~~P~~ J
12672-29-6	Aroclor-1248	49.	U
11097-69-1	Aroclor-1254	330	~~P~~ J
11096-82-5	Aroclor-1260	44 ~~120~~	~~P~~ U

FORM I PEST

OLM03.0

HH146

NEW JERSEY STATE DEPARTMENT of HEALTH and SENIOR SERVICES
ENVIRONMENTAL and CHEMICAL LABORATORY SERVICES
GENERAL CHEMISTRY

aboratory Sample No. 9900491
ollection Date: 990201.1210
Laboratory Batch No. 99PFS00005
atrix: Soil

Field No: ... SED4
Receipt Date: 990203.0930
Report Date: MAR. 23 1999

TOTAL ORGANIC CARBON

REPLICATE ANALYSIS

Number	Result mg/Kg	Qualifer
1.	14500	
2.	25200	
3.	21700	
4.	20600	
5.	20300	
6.	17100	

Mean: 19900. mg/Kg (dry weight basis) Qualifer:

Standard Deviation: 3714

Date of analysis : 990210-0211

PERCENT LOSS on DRYING: % Date of Analysis:
PERCENT Total Residue : 75.0 % Date of Analysis: 990205.1540

R = Analyte Not Requested QNS = Quantity Not Sufficient
-MI = Approximate value due to matrix interferences
QC = Approximate value due to quality control problems.
EHT or HT = Approximate value due to the sample exceeding the holding time.
IA = Not Applicable EFAILURE = Equipment failure
is is a custom form for TOCs in soil.
P/GSTOC03.RPT <990323.1542>
Header: GSTOC03.RPT,v 1.2 97/02/11 09:45:00 nuzzo Exp $

H4147

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SED5

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377497

Sample wt/vol: 10.5 (g/mL) G Lab File ID: L377497EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 53 Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2400	U
74-83-9	Bromomethane	2400	U
75-01-4	Vinyl Chloride	2400	U
75-00-3	Chloroethane	2400	U
75-09-2	Methylene Chloride	2400	U
67-64-1	Acetone	2400	U
75-15-0	Carbon Disulfide	2400	U
75-35-4	1,1-Dichloroethene	2400	U
75-34-3	1,1-Dichloroethane	2400	U
540-59-0	1,2-Dichloroethene (total)	2400	U
67-66-3	Chloroform	2400	U
107-06-2	1,2-Dichloroethane	2400	U
78-93-3	2-Butanone	2400	U
71-55-6	1,1,1-Trichloroethane	2400	U
56-23-5	Carbon Tetrachloride	2400	U
75-27-4	Bromodichloromethane	2400	U
78-87-5	1,2-Dichloropropane	2400	U
10061-01-5	cis-1,3-Dichloropropene	2400	U
79-01-6	Trichloroethene	2400	U
124-48-1	Dibromochloromethane	2400	U
79-00-5	1,1,2-Trichloroethane	2400	U
71-43-2	Benzene	2400	U
10061-02-6	trans-1,3-Dichloropropene	2400	U
75-25-2	Bromoform	2400	U
108-10-1	4-Methyl-2-Pentanone	2400	U
591-78-6	2-Hexanone	2400	U
127-18-4	Tetrachloroethene	2400	U
79-34-5	1,1,2,2-Tetrachloroethane	2400	U
108-88-3	Toluene	2400	U
108-90-7	Chlorobenzene	2400	U
100-41-4	Ethylbenzene	2400	U
100-42-5	Styrene	2400	U
1330-20-7	Xylene (total)	2400	U

HH148

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SED5

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377497

Sample wt/vol: 10.5 (g/mL) G Lab File ID: L377497EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. 53 Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

EPA SAMPLE NO.

SED5
MBQF95

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): SOIL Lab Sample ID: 66624S

Level (low/med): LOW Date Received: 02/03/99

% Solids: 59.4

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5560			P
7440-36-0	Antimony	1.0	U		P
7440-38-2	Arsenic	5.5			P
7440-39-3	Barium	113			P
7440-41-7	Beryllium	0.46	B		P
7440-43-9	Cadmium	1.3	B		P
7440-70-2	Calcium	2610			P
7440-47-3	Chromium	40.3			P
7440-48-4	Cobalt	4.9	B		P
7440-50-8	Copper	66.2			P
7439-89-6	Iron	10800			P
7439-92-1	Lead	188			P
7439-95-4	Magnesium	2020			P
7439-96-5	Manganese	175			P
7439-97-6	Mercury	0.21			CV J
7440-02-0	Nickel	15.2			P
7440-09-7	Potassium	271	B		P
7782-49-2	Selenium	1.3	U	N	P
7440-22-4	Silver	1.2	B		P
7440-23-5	Sodium	260	B	E	P
7440-28-0	Thallium	1.0	B		P
7440-62-2	Vanadium	18.6			P
7440-66-6	Zinc	191			P
	Cyanide	0.33	U		CA

Color Before: BLACK Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

HH150

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ28 SED5

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 280

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-08

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2419

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 52 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	32	~~J~~ T
111-44-4	bis(2-Chloroethyl)ether	1400	U
95-57-8	2-Chlorophenol	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
95-48-7	2-Methylphenol	1400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	N-Nitroso-di-n-propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	bis(2-Chloroethoxy)methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
120-82-1	1,2,4-Trichlorobenzene	1400	U
91-20-3	Naphthalene	58	J
106-47-8	4-Chloroaniline	31	J
87-68-3	Hexachlorobutadiene	1400	U
59-50-7	4-Chloro-3-methylphenol	1400	U
91-57-6	2-Methylnaphthalene	72	J
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	3400	U
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	3400	U
131-11-3	Dimethylphthalate	1400	U
208-96-8	Acenaphthylene	240	J
606-20-2	2,6-Dinitrotoluene	1400	U
99-09-2	3-Nitroaniline	3400	U
83-32-9	Acenaphthene	390	J

HH151

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ28 SED5

281

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-08

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2419

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 52 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	3400	U
100-02-7	4-Nitrophenol	3400	U
132-64-9	Dibenzofuran	110	J
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
7005-72-3	4-Chlorophenyl-phenylether	1400	U
86-73-7	Fluorene	440	J
100-01-6	4-Nitroaniline	3400	U
534-52-1	4,6-Dinitro-2-methylphenol	3400	U
86-30-6	N-Nitrosodiphenylamine (1)	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
87-86-5	Pentachlorophenol	3400	U
85-01-8	Phenanthrene	4000	
120-12-7	Anthracene	690	J
86-74-8	Carbazole	330	J
84-74-2	Di-n-butylphthalate	1400 ~~60~~	~~U~~
206-44-0	Fluoranthene	4900	
129-00-0	Pyrene	6100	
85-68-7	Butylbenzylphthalate	150	J
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)anthracene	2200	
218-01-9	Chrysene	3200	
117-81-7	bis(2-Ethylhexyl)phthalate	4000	J
117-84-0	Di-n-octylphthalate	1400	U
205-99-2	Benzo(b)fluoranthene	2700	
207-08-9	Benzo(k)fluoranthene	2700	
50-32-8	Benzo(a)pyrene	2700	
193-39-5	Indeno(1,2,3-cd)pyrene	2400	
53-70-3	Dibenz(a,h)anthracene	810	J
191-24-2	Benzo(g,h,i)perylene	2300	

(1) - Cannot be separated from Diphenylamine

HH152

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ28 SED5 282

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-08

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2419

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 52 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 6.4

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	32.07	20000	J
02.	UNKNOWN	33.62	9500	J
03.	UNKNOWN	29.33	8200	J
04.	UNKNOWN	33.23	7200	J
05.	UNKNOWN	34.17	5400	J
06.	UNKNOWN	32.54	4800	J
07.	UNKNOWN	31.30	4300	J
08.	UNKNOWN	32.24	3700	J
09.	UNKNOWN	18.02	3500	J
10.	UNKNOWN	30.17	3400	J
11.	UNKNOWN	32.87	3400	J
12.	UNKNOWN	32.93	3200	J
13.	UNKNOWN	32.65	2500	J
14.	UNKNOWN	28.65	2300	J
15.	UNKNOWN	29.83	2200	J
16.	UNKNOWN C22H14 PAH	31.46	2200	J
17.	UNKNOWN C15H12 PAH	20.69	2200	J
18.	UNKNOWN C20H12 PAH	27.82	2000	J
19.	UNKNOWN	20.94	1900	J
20.	UNKNOWN C22H12 PAH	32.35	1800	J
21.	UNKNOWN	22.26	1700	J
22.	UNKNOWN	27.15	1400	J
23.	UNKNOWN	29.72	1400	J
24.	UNKNOWN	31.58	1400	J
25.	UNKNOWN	27.88	1300	J
26.	UNKNOWN	26.73	1200	JB
27.	UNKNOWN	26.19	1200	J
28.	UNKNOWN	28.21	1200	J
29.	UNKNOWN C16H14 PAH	21.61	1200	J
30.	UNKNOWN	30.29	1100	J

HH153

0926

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ28 SED5

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water): SOIL Lab Sample ID: 990124B-08

Sample wt/vol: 30 (g/ml) G Lab File ID: C1021CLP081

% Moisture: 50 decanted: (Y/N) N Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/05/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.4	U J
319-85-7	beta-BHC	3.4	U
319-86-8	delta-BHC	3.4	U
58-89-9	gamma-BHC (Lindane)	3.4	U
76-44-8	Heptachlor	3.4 ~~0.59~~	~~JP~~ U
309-00-2	Aldrin	3.4	U
1024-57-3	Heptachlor Epoxide	3.4	U
959-98-8	Endosulfan I	3.4 ~~1.0~~	~~JP~~ U
60-57-1	Dieldrin	6.6	U
72-55-9	4,4'-DDE	6.6	U
72-20-8	Endrin	6.6	U
33213-65-9	Endosulfan II	6.6	U
72-54-8	4,4'-DDD	26.	~~P~~ J
1031-07-8	Endosulfan Sulfate	7.2	~~P~~ NJ
50-29-3	4,4'-DDT	6.6 ~~5.1~~	~~JP~~ U
72-43-5	Methoxychlor	34.	U
53494-70-5	Endrin Ketone	6.6	U
7421-93-4	Endrin Aldehyde	6.6	U
5103-71-9	alpha-Chlordane	40.	~~PB~~ U
5103-74-2	gamma-Chlordane	28.	~~PB~~ U
8001-35-2	Toxaphene	340	U J
12674-11-2	Aroclor-1016	66.	U
11104-28-2	Aroclor-1221	130	U
11141-16-5	Aroclor-1232	66.	U
53469-21-9	Aroclor-1242	150	
12672-29-6	Aroclor-1248	66.	U
11097-69-1	Aroclor-1254	240	~~P~~ J
11096-82-5	Aroclor-1260	66 ~~100~~	~~P~~ U J

FORM I PEST

OLM03.0

HH154

NEW JERSEY STATE DEPARTMENT of HEALTH and SENIOR SERVICES
ENVIRONMENTAL and CHEMICAL LABORATORY SERVICES
GENERAL CHEMISTRY

aboratory Sample No. 9900492
ollection Date: 990201.1745
Laboratory Batch No. 99PFS00005
atrix: Soil

Field No: ... SED5
Receipt Date: 990203.0930
Report Date: MAR. 23 1999

TOTAL ORGANIC CARBON

REPLICATE ANALYSIS

Number	Result mg/Kg	Qualifer
1.	25200	
2.	41100	
3.	46300	
4.	42900	
5.	45000	
6.	39500	

Mean: 40000. mg/Kg (dry weight basis) Qualifer:

Standard Deviation: 7663

Date of analysis : 990201-0211

PERCENT LOSS on DRYING: % Date of Analysis:
PERCENT Total Residue : 54.6 % Date of Analysis: 990205.1540

NR = Analyte Not Requested QNS = Quantity Not Sufficient
-MI = Approximate value due to matrix interferences
-QC = Approximate value due to quality control problems.
EHT or HT = Approximate value due to the sample exceeding the holding time.
NA = Not Applicable EFAILURE = Equipment failure
his is a custom form for TOCs in soil.
LP/GSTOC03.RPT <990323.1542>
$Header: GSTOC03.RPT,v 1.2 97/02/11 09:45:00 nuzzo Exp $

HH155

TIC ALKANE REPORT

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

EPA Sample No. BXH57 GW8B Concentration Units: UG/L

CLASS	Total Concentration
Unknown Straight Alkane	N/A
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXH33 GW14A Concentration Units: UG/L

CLASS	Total Concentration
Unknown Straight Alkane	12
Unknown Branched Alkane	4
Unknown Cyclic Alkane	N/A

EPA Sample No. BXH39 FB8 Concentration Units: UG/L

CLASS	Total Concentration
Unknown Straight Alkane	N/A
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXH31 Concentration Units: UG/L

CLASS	Total Concentration
Unknown Straight Alkane	2
Unknown Branched Alkane	2
Unknown Cyclic Alkane	N/A

TIC ALKANE REPORT

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

EPA Sample No. BXH35RE GW13A Concentration Units: UG/L

CLASS	Total Concentration
Unknown Straight Alkane	33
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXH34 GW3A Concentration Units: UG/L

CLASS	Total Concentration
Unknown Straight Alkane	78
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ25 ? Trip Blank? (can't be) Concentration Units: UG/KG

solid matrix

CLASS	Total Concentration
Unknown Straight Alkane	1900
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ29 S1 Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	520
Unknown Branched Alkane	170
Unknown Cyclic Alkane	N/A

TIC ALKANE REPORT

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

EPA Sample No. BXJ29RE S1 Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	720
Unknown Branched Alkane	210
Unknown Cyclic Alkane	N/A

TIC ALKANE REPORT

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

EPA Sample No. SBLKPQ Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	86
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. SBLKAQ Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	73
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ36 S8 Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	3500
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ24 SED1 Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	N/A
Unknown Branched Alkane	1800
Unknown Cyclic Alkane	N/A

TIC ALKANE REPORT

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: ____ SDG No.: BXJ32

EPA Sample No. BXJ28 SED 5 Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	5400
Unknown Branched Alkane	16000
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ21 SED 4 Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	620
Unknown Branched Alkane	5900
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ26 SED3 Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	N/A
Unknown Branched Alkane	4100
Unknown Cyclic Alkane	1100

EPA Sample No. BXJ39 SED 3 Duplicate Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	2400
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

HH16

TIC ALKANE REPORT

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

EPA Sample No. BXJ36RE S8 (redo) Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	4600
Unknown Branched Alkane	670
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ24RE SED 1 (redo) Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	1100
Unknown Branched Alkane	820
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ40 Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	N/A
Unknown Branched Alkane	3400
Unknown Cyclic Alkane	N/A

7099-0124B
EPA
SAMPLE SUMMARY

CLIENT ID	LAB ID	MATRIX	DATE COLLECTED	DATE RECEIVED
XJ21	990124B-01	SOIL	02/01/99	02/03/99
BXJ26	990124B-05	SOIL	02/01/99	02/03/99
XJ40	990124B-06	SOIL	02/01/99	02/03/99
BXJ40	990124B-06MS	SOIL	02/01/99	02/03/99
XJ40	990124B-06MSD	SOIL	02/01/99	02/03/99
BXJ39	990124B-07	SOIL	02/01/99	02/03/99
XJ28	990124B-08	SOIL	02/01/99	02/03/99
BXJ35	990124B-10	SOIL	02/03/99	02/04/99
XJ36	990124B-11	SOIL	02/03/99	02/04/99
XJ32	990124B-12	SOIL	01/22/99	01/26/99
BXJ24	990124B-13	SOIL	02/01/99	02/03/99

SAMPLE DELIVERY GROUP (SDG) TRAFFIC REPORT (TR) COVER SHEET

Lab Name: IEA/CT Contract No.: 68- D5.0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____-___

Full Sample Analysis Price in Contract:

SDG No./First Sample in SDG: BXJ32 Sample Receipt Date: 01 26 99 (MM/DD/YY)
(Lowest EPA Sample Number in first shipment of samples received under SDG)

Last Sample in SDG: BXJ36 ~~BXJ40~~ PH 2/17/99 Sample Receipt Date: 02 ~~03~~ 04 99 (MM/DD/YY) PH 2/17/99
(Highest EPA Sample Number in last shipment of samples received under SDG)

EPA Sample Numbers in the SDG (listed in alphanumeric order):

1	BXJ21	11	
2	BXJ24	12	
3	BXJ26	13	
4	BXJ28	14	
5	BXJ32	15	
6	BXJ35	16	
7	BXJ36	17	
8	BXJ39	18	
9	BXJ40	19	
10	PH 2/9/99	20	PH 2/9/99

Note: There are a maximum of 20 field samples in an SDG.

Attach Traffic Reports to this form in alphanumeric order (i.e., the order listed on this form).

Paul Hall for — Sample Custodian

2/9/99 — Date

HH163

TIC ALKANE REPORT

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

EPA Sample No. SBLKVP Concentration Units: UG/L

CLASS	Total Concentration
Unknown Straight Alkane	37
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXH52 GW1A Concentration Units: UG/L

CLASS	Total Concentration
Unknown Straight Alkane	35
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXH35 GW13A Concentration Units: UG/L

CLASS	Total Concentration
Unknown Straight Alkane	48
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ05 FB1 Concentration Units: UG/L

CLASS	Total Concentration
Unknown Straight Alkane	46
Unknown Branched Alkane	6
Unknown Cyclic Alkane	N/A

TIC ALKANE REPORT

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

EPA Sample No. BXJ34 S6 Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	1400
Unknown Branched Alkane	91
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ33 S5 Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	100
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ31 S3 Concentration Units: UG/KG

CLASS	Total Concentration
Unknown Straight Alkane	170
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

EPA Sample No. BXJ11 SW5 Concentration Units: UG/L

CLASS	Total Concentration
Unknown Straight Alkane	5
Unknown Branched Alkane	N/A
Unknown Cyclic Alkane	N/A

Blanks

HH166

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXH39 FB8

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-17

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1019CLP057

% Moisture: _____ decanted: (Y/N)__ Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/05/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/20/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

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 J
53494-70-5	Endrin Ketone	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ05 FB

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-04

Sample wt/vol: 950 (g/mL) ML Lab File ID: >P2804

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/24/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	26	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ05

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-04

Sample wt/vol: 950 (g/mL) ML Lab File ID: >P2804

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/24/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	26	U
100-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	.4	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	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	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1	JB
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	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	.9	JB
117-84-0	Di-n-octylphthalate	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	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

HH169

0381

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ05

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-04

Sample wt/vol: 950 (g/mL) ML Lab File ID: >P2804

Level: (low/med) LOW Date Received: 01/21/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 01/25/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 02/24/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs Found: 3 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	15.35	4	JB
02. 112-34-5	ETHANOL, 2-(2-BUTOXYETHOXY)-	12.58	3	JBN
03.	UNKNOWN ACID	22.38	2	J
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HH170

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXJ05 FB

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-04

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1013CLP478

% Moisture: _____ decanted: (Y/N)__ Date Received: 01/21/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 01/22/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/02/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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 J
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
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377635

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377635EV

Level: (low/med) MED Date Received: 02/05/99

% Moisture: not dec. _____ Date Analyzed: 02/09/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

HH172

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377635

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377635EV

Level: (low/med) MED Date Received: 02/05/99

% Moisture: not dec. _____ Date Analyzed: 02/09/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

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.

TB2

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377499

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377499EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. _____ Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TB2

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377499

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377499EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. _____ Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

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.

AB1

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376729

Sample wt/vol: 10.0 (g/mL) G Lab File ID: N376729E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. _____ Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

HH 176

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AB1

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376729

Sample wt/vol: 10.0 (g/mL) G Lab File ID: N376729E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. _____ Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

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.

AB2

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376730

Sample wt/vol: 10.0 (g/mL) G Lab File ID: N376730E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. _____ Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

HH178

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AB2

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376730

Sample wt/vol: 10.0 (g/mL) G Lab File ID: N376730E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. _____ Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AB3

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377498

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377498EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. _____ Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

HH180

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AB3

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377498

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377498EV

Level: (low/med) MED Date Received: 02/04/99

% Moisture: not dec. _____ Date Analyzed: 02/06/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

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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HH181

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

AB-4

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377634

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377634EV

Level: (low/med) MED Date Received: 02/05/99

% Moisture: not dec. _____ Date Analyzed: 02/09/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

HH182

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

AB-4

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377634

Sample wt/vol: 10.0 (g/mL) G Lab File ID: L377634EV

Level: (low/med) MED Date Received: 02/05/99

% Moisture: not dec. _____ Date Analyzed: 02/09/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

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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HH183

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ15

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

TB-2

Lab Sample ID: 5074.011 Date Received: 01/28/99

Lab File ID: B0770 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

FORM I LCV

HH184

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ15

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36 TB-2

Lab Sample ID: 5074.011 Date Received: 01/28/99

Lab File ID: B0770 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ25

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

TB3

Lab Sample ID: 5093.010 Date Received: 02/03/99

Lab File ID: B0968 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXJ25

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

TB3

Lab Sample ID: 5093.010 Date Received: 02/03/99

Lab File ID: B0968 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ41

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

TB4

Lab Sample ID: 5089.009 Date Received: 02/04/99

Lab File ID: B1005 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

000211

FORM I LCV

OLC02.0

HH188

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ41

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31 TB4

Lab Sample ID: 5089.009 Date Received: 02/04/99

Lab File ID: B1005 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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000212

FORM I LCV-TIC

OLC02.0

HH189

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ05

FB-1

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.005 Date Received: 01/21/99

Lab File ID: B0696 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ05

FB-1

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Lab Sample ID: 5064.005 Date Received: 01/21/99

Lab File ID: B0696 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ16

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

FB-2

Lab Sample ID: 5064.006 Date Received: 01/21/99

Lab File ID: B0697 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH192

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ16

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH34

FB-2

Lab Sample ID: 5064.006 Date Received: 01/21/99

Lab File ID: B0697 Date Analyzed: 01/22/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH36

FB-4

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.005 Date Received: 01/28/99

Lab File ID: B0759 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	0.7	J
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH36

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

FB-4

Lab Sample ID: 5074.005 Date Received: 01/28/99

Lab File ID: B0759 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ00

FB-5

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.010 Date Received: 01/28/99

Lab File ID: B0767 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ00

FB-5

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.010 Date Received: 01/28/99

Lab File ID: B0767 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ24

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.016 Date Received: 01/28/99 2/9/99

Lab File ID: B0776 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

FB-6

000222
HH197

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ24

FB-6

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH36

Lab Sample ID: 5074.016 Date Received: _____

Lab File ID: B0776 Date Analyzed: 01/29/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH71

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

FB-7

Lab Sample ID: 5093.004 Date Received: 02/03/99

Lab File ID: B0995 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH71

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

FB-7

Lab Sample ID: 5093.004 Date Received: 02/03/99

Lab File ID: B0995 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.					
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ15

FB-8

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.008 Date Received: 02/03/99

Lab File ID: B0966 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

HH201

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXJ15

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31 FB-8

Lab Sample ID: 5093.008 Date Received: 02/03/99

Lab File ID: B0966 Date Analyzed: 02/09/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.					
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1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH39

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

FB-8

Lab Sample ID: 5089.006 Date Received: 02/04/99

Lab File ID: B1002 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	* 54 ~~60~~	~~E~~
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

* Result from dilution

FORM I LCV

000055

OLC02.0

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH39

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

FB-8

Lab Sample ID: 5089.006 Date Received: 02/04/99

Lab File ID: B1002 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
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000056

HH203

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ10

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31 FB9

Lab Sample ID: 5093.007 Date Received: 02/03/99

Lab File ID: B0996 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	U
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

000170

FORM I LCV

OLC02.0

HH204

1LCE

EPA SAMPLE NO.

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ10

FB-C

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5093.007 Date Received: 02/03/99

Lab File ID: B0996 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.					
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000171

FORM I LCV-TIC

OLC02.0

HH205

1LCA

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH63

FB-9

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

Lab Sample ID: 5089.010 Date Received: 02/04/99

Lab File ID: B1006 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

CAS NO.	COMPOUND	CONCENTRATION (ug/L)	Q
74-87-3	Chloromethane	1	U
74-83-9	Bromomethane	1	U
75-01-4	Vinyl chloride	1	U
75-00-3	Chloroethane	1	U
75-09-2	Methylene chloride	2	U
67-64-1	Acetone	5	~~U~~ R
75-15-0	Carbon disulfide	1	
75-35-4	1,1-Dichloroethene	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	1	U
78-93-3	2-Butanone	5	~~U~~ R
74-97-5	Bromochloromethane	1	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon tetrachloride	1	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	1	U
1330-20-7	Xylenes (total)	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	~~U~~ R
120-82-1	1,2,4-Trichlorobenzene	1	U

1LCE

LOW CONC. WATER VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXH63

Lab Name: PDP ANALYTICAL SERVICES Contract: 68-D7-0004

Lab Code: PDP Case No.: 26777 SAS No.: _____ SDG No.: BXH31

FB-9

Lab Sample ID: 5089.010 Date Received: 02/04/99

Lab File ID: B1006 Date Analyzed: 02/10/99

Purge Volume: 20 (mL) Dilution Factor: 1.0

GC Column: DB-624 ID: 0.53 (mm) Length: 60 (m)

Number TICs found: 0

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L)	Q
1.					
2.					
3.					
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH39 FB8

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-17

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2847

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N) ___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	.2	J
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

HH208

00224

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH39 FB8

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-17

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2847

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U UJ
100-02-7	4-Nitrophenol	25	U UJ
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1	JB
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	10	U J
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	2	J
117-84-0	Di-n-octylphthalate	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 J
53-70-3	Dibenz(a,h)anthracene	10	U J
191-24-2	Benzo(g,h,i)perylene	10	U J

(1) - Cannot be separated from Diphenylamine

HH209

-0225
EPA SAMPLE NO.

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH39 FBB

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-17

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2847

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:____

Number TICs Found: 2 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	16.89	4	J
02.	UNKNOWN	26.94	2	JB
03.				
04.				
05.				
06.				
07.				
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HH210

SOILS

HH211

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376722

Sample wt/vol: 11.7 (g/mL) G Lab File ID: N376722E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 14 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

HH212

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S1

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376722

Sample wt/vol: 11.7 (g/mL) G Lab File ID: N376722E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 14 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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30.				

HH213

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

S1
MBQF96

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): SOIL Lab Sample ID: 65550S

Level (low/med): LOW Date Received: 01/26/99

% Solids: 85.3

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7720			P
7440-36-0	Antimony	0.68	U		P
7440-38-2	Arsenic	6.1			P
7440-39-3	Barium	85.1			P
7440-41-7	Beryllium	0.42	B		P
7440-43-9	Cadmium	0.42	B		P
7440-70-2	Calcium	13900			P
7440-47-3	Chromium	11.1			P
7440-48-4	Cobalt	6.4	B		P
7440-50-8	Copper	54.4			P
7439-89-6	Iron	11900			P
7439-92-1	Lead	103			P
7439-95-4	Magnesium	3270			P
7439-96-5	Manganese	276			P
7439-97-6	Mercury	0.13			CV
7440-02-0	Nickel	12.4			P
7440-09-7	Potassium	484	B		P
7782-49-2	Selenium	0.91	U	N	P
7440-22-4	Silver	0.46	U		P
7440-23-5	Sodium	308	B	E	P
7440-28-0	Thallium	1.1	B		P
7440-62-2	Vanadium	24.0			P
7440-66-6	Zinc	81.6			P
	Cyanide	0.23	U		CA

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

HH214

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ29 S1

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-07

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2872

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 14 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	12	J
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	21	J
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	960	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	30	J
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	960	U
83-32-9	Acenaphthene	200	J

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ29 S1

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-07

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2872

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 14 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	59	J
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	160	J
100-01-6	4-Nitroaniline	960	U
534-52-1	4,6-Dinitro-2-methylphenol	960	U J
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	800	
120-12-7	Anthracene	230	J
86-74-8	Carbazole	91	J
84-74-2	Di-n-butylphthalate	380 ~~17~~	~~JB~~ U
206-44-0	Fluoranthene	950	
129-00-0	Pyrene	1000	
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	490	
218-01-9	Chrysene	850	
117-81-7	bis(2-Ethylhexyl)phthalate	380 ~~34~~	~~JB~~ ✓
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	320	J
207-08-9	Benzo(k)fluoranthene	500	
50-32-8	Benzo(a)pyrene	480	
193-39-5	Indeno(1,2,3-cd)pyrene	360	J
53-70-3	Dibenz(a,h)anthracene	160	J
191-24-2	Benzo(g,h,i)perylene	210	J

(1) - Cannot be separated from Diphenylamine

HH216

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ29 S1

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-07

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2872

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 14 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.7

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C17H12 PAH	23.03	520	J
02.	UNKNOWN C20H12 PAH	27.47	500	J
03.	UNKNOWN	8.85	360	~~JBN~~ 4
04.	UNKNOWN C22H14 PAH	30.75	330	J
05.	UNKNOWN	20.66	320	J
06.	UNKNOWN	29.68	300	J
07.	UNKNOWN	28.05	280	J
08.	UNKNOWN C19H14 PAH	25.60	280	J
09.	UNKNOWN	28.57	260	J
10.	UNKNOWN BENZO[B]NAPHTHOTHIOP	24.30	260	J
11.	UNKNOWN	28.89	220	J
12.	UNKNOWN C17H12 PAH	22.79	200	J
13.	UNKNOWN C22H14 PAH	30.87	190	J
14.	UNKNOWN C18H12 PAH	25.05	180	J
15.	UNKNOWN C20H12 PAH	27.77	170	J
16.	UNKNOWN C19H14 PAH	25.89	170	J
17.	UNKNOWN C15H12 PAH	20.46	170	J
18.	UNKNOWN	28.33	160	J
19.	UNKNOWN	28.38	160	J
20.	UNKNOWN C17H12 PAH	23.24	150	J
21.	UNKNOWN C15H12 PAH	20.40	150	J
22.	UNKNOWN C17H12 PAH	23.15	150	J
23.	UNKNOWN	28.21	140	J
24.	UNKNOWN	26.57	140	J
25.	UNKNOWN	25.76	140	J
26.	UNKNOWN	28.52	140	J
27.	UNKNOWN C17H12 PAH	23.50	140	J
28.	UNKNOWN	26.32	140	J
29.	UNKNOWN C17H12 PAH	23.44	130	J
30.	UNKNOWN	32.12	120	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXJ29 S1

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): SOIL Lab Sample ID: 990124A-07

Sample wt/vol: 30 (g/ml) G Lab File ID: C1013CLP515

% Moisture: 14 decanted: (Y/N) N Date Received: 01/26/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/27/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/03/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 9.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor Epoxide	2.0 ~~0.39~~	~~JP~~ U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8 3.0	~~JP~~ U
1031-07-8	Endosulfan Sulfate	3.8 ~~1.5~~	~~JP~~ U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin Ketone	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0 ~~1.5~~	~~JPB~~ U
5103-74-2	gamma-Chlordane	2.0 ~~1.1~~	~~JP~~ U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38.	U
11104-28-2	Aroclor-1221	78.	U
11141-16-5	Aroclor-1232	38.	U
53469-21-9	Aroclor-1242	38.	U
12672-29-6	Aroclor-1248	38.	U
11097-69-1	Aroclor-1254	38.	U
11096-82-5	Aroclor-1260	38.	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S2

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376723

Sample wt/vol: 11.6 (g/mL) G Lab File ID: N376723E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 14 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	180	J
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

HH219

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S2

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376723

Sample wt/vol: 11.6 (g/mL) G Lab File ID: N376723E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 14 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 24

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIPHATIC ALDEHYDE	11.71	890	J
2. 104-76-7	1-HEXANOL, 2-ETHYL-	12.06	1500	NJ
3.	UNKNOWN ALKYLCYCLOHEXANE	12.49	1100	J
4.	UNKNOWN	12.68	1600	J
5.	UNKNOWN	12.83	710	J
6.	UNKNOWN	12.92	860	J
7.	UNKNOWN ALKANE	13.11	1700	J
8.	UNKNOWN	13.19	1200	J
9.	UNKNOWN	13.35	2000	J
10.	UNKNOWN	13.45	1500	J
11.	UNKNOWN	13.54	810	J
12.	UNKNOWN	13.68	1100	J
13.	UNKNOWN NAPHTHALENE DERIVATI	13.88	6200	J
14.	UNKNOWN	14.02	2100	J
15.	UNKNOWN	14.13	2400	J
16.	UNKNOWN	14.28	1900	J
17.	UNKNOWN	14.35	960	J
18.	UNKNOWN	14.42	6400	J
19.	UNKNOWN	14.59	6400	J
20.	UNKNOWN NAPHTHALENE DERIVATI	14.90	3800	J
21.	UNKNOWN NAPHTHALENE DERIVATI	15.06	7300	J
22.	UNKNOWN	15.34	3300	J
23.	UNKNOWN	15.48	4900	J
24.	UNKNOWN NAPHTHALENE DERIVATI	15.58	3900	J
25.				
26.				
27.				
28.				
29.				
30.				

HH220

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

S2
MBQF97

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): SOIL Lab Sample ID: 65549S

Level (low/med): LOW Date Received: 01/26/99

% Solids: 79.9

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3970			P
7440-36-0	Antimony	0.72	U		P
7440-38-2	Arsenic	5.6			P
7440-39-3	Barium	246			P
7440-41-7	Beryllium	0.24	U		P
7440-43-9	Cadmium	2.9			P
7440-70-2	Calcium	6620			P
7440-47-3	Chromium	40.1			P
7440-48-4	Cobalt	4.2	B		P
7440-50-8	Copper	274			P
7439-89-6	Iron	19000			P
7439-92-1	Lead	347			P
7439-95-4	Magnesium	1630			P
7439-96-5	Manganese	136			P
7439-97-6	Mercury	0.14			CV
7440-02-0	Nickel	19.9			P
7440-09-7	Potassium	249	B		P
7782-49-2	Selenium	0.96	U	N	P
7440-22-4	Silver	0.57	B		P
7440-23-5	Sodium	147	B	E	P
7440-28-0	Thallium	0.91	B		P
7440-62-2	Vanadium	14.8			P
7440-66-6	Zinc	749			P
	Cyanide	0.25	U		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

HH221

0673

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ30RE 52

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-06RE

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2871

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1600	U
111-44-4	bis(2-Chloroethyl)ether	1600	U
95-57-8	2-Chlorophenol	1600	U
541-73-1	1,3-Dichlorobenzene	1600	U
106-46-7	1,4-Dichlorobenzene	1600	U
95-50-1	1,2-Dichlorobenzene	1600	U
95-48-7	2-Methylphenol	1600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	1600	U
106-44-5	4-Methylphenol	1600	U
621-64-7	N-Nitroso-di-n-propylamine	1600	U
67-72-1	Hexachloroethane	1600	U
98-95-3	Nitrobenzene	1600	U
78-59-1	Isophorone	1600	U
88-75-5	2-Nitrophenol	1600	U
105-67-9	2,4-Dimethylphenol	1600	U
111-91-1	bis(2-Chloroethoxy)methane	1600	U
120-83-2	2,4-Dichlorophenol	1600	U
120-82-1	1,2,4-Trichlorobenzene	1600	U
91-20-3	Naphthalene	1400	J
106-47-8	4-Chloroaniline	1600	U
87-68-3	Hexachlorobutadiene	1600	U
59-50-7	4-Chloro-3-methylphenol	1600	U
91-57-6	2-Methylnaphthalene	600	J
77-47-4	Hexachlorocyclopentadiene	1600	U
88-06-2	2,4,6-Trichlorophenol	1600	U
95-95-4	2,4,5-Trichlorophenol	4100	U
91-58-7	2-Chloronaphthalene	1600	U
88-74-4	2-Nitroaniline	4100	U
131-11-3	Dimethylphthalate	1600	U
208-96-8	Acenaphthylene	370	J
606-20-2	2,6-Dinitrotoluene	1600	U
99-09-2	3-Nitroaniline	4100	U
83-32-9	Acenaphthene	1200	J

HH222

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ30RE S2

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-06RE

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2871

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	4100	U
100-02-7	4-Nitrophenol	4100	U
132-64-9	Dibenzofuran	1200	J
121-14-2	2,4-Dinitrotoluene	1600	U
84-66-2	Diethylphthalate	1600	U
7005-72-3	4-Chlorophenyl-phenylether	1600	U
86-73-7	Fluorene	1800	
100-01-6	4-Nitroaniline	4100	U
534-52-1	4,6-Dinitro-2-methylphenol	4100	U
86-30-6	N-Nitrosodiphenylamine (1)	1600	U
101-55-3	4-Bromophenyl-phenylether	1600	U
118-74-1	Hexachlorobenzene	1600	U
87-86-5	Pentachlorophenol	4100	U
85-01-8	Phenanthrene	12000	
120-12-7	Anthracene	3000	
86-74-8	Carbazole	1200	J
84-74-2	Di-n-butylphthalate	1600	U
206-44-0	Fluoranthene	9200	
129-00-0	Pyrene	9000	
85-68-7	Butylbenzylphthalate	1600	U
91-94-1	3,3'-Dichlorobenzidine	1600	U
56-55-3	Benzo(a)anthracene	4100	
218-01-9	Chrysene	5900	
117-81-7	bis(2-Ethylhexyl)phthalate	1600	U
117-84-0	Di-n-octylphthalate	1600	U
205-99-2	Benzo(b)fluoranthene	2400	
207-08-9	Benzo(k)fluoranthene	3300	
50-32-8	Benzo(a)pyrene	3600	
193-39-5	Indeno(1,2,3-cd)pyrene	3900	
53-70-3	Dibenz(a,h)anthracene	1500	J
191-24-2	Benzo(g,h,i)perylene	2700	

(1) - Cannot be separated from Diphenylamine

HH223

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ30RE 52

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-06RE

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2871

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 19 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	22.32	18000	J
02.	UNKNOWN C20H12 PAH	27.47	3300	J
03.	UNKNOWN C18H18 PAH	22.97	2700	J
04.	UNKNOWN	20.67	2300	J
05.	UNKNOWN C17H12 PAH	23.04	2200	J
06.	UNKNOWN C17H12 PAH	23.16	1800	J
07.	UNKNOWN C17H12 PAH	23.50	1700	J
08.	UNKNOWN	28.14	1500	J
09.	UNKNOWN C20H12 PAH	27.76	1300	J
10.	UNKNOWN C18H10 PAH	24.41	1300	J
11.	UNKNOWN C17H12 PAH	22.80	1200	J
12.243-42-5	BENZO[B]NAPHTHO[2,3-D]FURAN	22.58	1200	JN
13.	UNKNOWN C22H14 PAH	30.75	1200	J
14.	UNKNOWN BENZO[B]NAPHTHOTHIOP	24.30	1200	J
15.	UNKNOWN C15H12 PAH	20.41	1100	J
16.	UNKNOWN C20H12 PAH	27.11	1100	J
17.	UNKNOWN C17H12 PAH	23.24	1000	J
18.	UNKNOWN	29.66	1000	J
19.	UNKNOWN	22.21	1000	J
20.	UNKNOWN C19H14 PAH	25.60	970	J
21.	UNKNOWN C15H12 PAH	20.47	960	J
22.	UNKNOWN C18H12 PAH	25.04	900	J
23.	UNKNOWN C18H12 PAH	24.37	890	J
24.	UNKNOWN C22H12 PAH	30.16	880	J
25.	UNKNOWN	28.31	880	J
26.	UNKNOWN C22H14 PAH	30.88	850	J
27.82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.08	840	JN
28.	UNKNOWN C17H10O ISOMER	24.50	770	J
29.	UNKNOWN	21.62	750	J
30.	UNKNOWN C22H14 PAH	30.05	750	J

H1224

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXJ30 S2

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): SOIL Lab Sample ID: 990124A-06

Sample wt/vol: 30 (g/ml) G Lab File ID: C1013CLP498

% Moisture: 19 decanted: (Y/N) N Date Received: 01/26/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/27/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/02/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U J
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	~~2.8~~	~~P~~ R
1024-57-3	Heptachlor Epoxide	~~3.1~~	~~P~~ R
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1	U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	~~6.6~~	~~P~~ R
33213-65-9	Endosulfan II	17.	
72-54-8	4,4'-DDD	20.	J
1031-07-8	Endosulfan Sulfate	26.	~~P~~ R
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21.	U
53494-70-5	Endrin Ketone	4.1	U
7421-93-4	Endrin Aldehyde	4 / ~~1.5~~	~~JP~~ U
5103-71-9	alpha-Chlordane	~~7.5~~	~~PB~~ R
5103-74-2	gamma-Chlordane	2.1	U
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41.	U
11104-28-2	Aroclor-1221	83.	U
11141-16-5	Aroclor-1232	41.	U
53469-21-9	Aroclor-1242	41.	U
12672-29-6	Aroclor-1248	41.	U
11097-69-1	Aroclor-1254	41.	U
11096-82-5	Aroclor-1260	41.	U

FORM I PEST

OLM03.0

HH225

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S3

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376724

Sample wt/vol: 11.3 (g/mL) G Lab File ID: N376724E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 17 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl Chloride	1300	U
75-00-3	Chloroethane	1300	U
75-09-2	Methylene Chloride	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
75-35-4	1,1-Dichloroethene	1300	U
75-34-3	1,1-Dichloroethane	1300	U
540-59-0	1,2-Dichloroethene (total)	1300	U
67-66-3	Chloroform	1300	U
107-06-2	1,2-Dichloroethane	1300	U
78-93-3	2-Butanone	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
75-27-4	Bromodichloromethane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
79-01-6	Trichloroethene	1300	U
124-48-1	Dibromochloromethane	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
71-43-2	Benzene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
75-25-2	Bromoform	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
591-78-6	2-Hexanone	1300	U
127-18-4	Tetrachloroethene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
108-88-3	Toluene	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
100-42-5	Styrene	1300	U
1330-20-7	Xylene (total)	1300	U

HH226

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S3

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376724

Sample wt/vol: 11.3 (g/mL) G Lab File ID: N376724E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 17 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 4

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	12.81	720	J
2.	UNKNOWN	14.26	970	J
3.	UNKNOWN	14.85	1000	J
4.	UNKNOWN	14.95	1200	J
5.				
6.				
7.				
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HH227

EPA SAMPLE NO.

S3
MBQF98

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): SOIL Lab Sample ID: 65553S

Level (low/med): LOW Date Received: 01/26/99

% Solids: 84.8

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4820			P
7440-36-0	Antimony	0.68	U		P
7440-38-2	Arsenic	3.5			P
7440-39-3	Barium	33.4	B		P
7440-41-7	Beryllium	0.35	B		P
7440-43-9	Cadmium	0.23	U		P
7440-70-2	Calcium	834	B		P
7440-47-3	Chromium	9.6			P
7440-48-4	Cobalt	4.4	B		P
7440-50-8	Copper	13.2			P
7439-89-6	Iron	10800			P
7439-92-1	Lead	6.5			P
7439-95-4	Magnesium	1650			P
7439-96-5	Manganese	81.5			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	7.8	B		P
7440-09-7	Potassium	247	B		P
7782-49-2	Selenium	0.91	U	N	P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	116	B	E	P
7440-28-0	Thallium	0.68	U		P
7440-62-2	Vanadium	14.0			P
7440-66-6	Zinc	27.8			P
	Cyanide	0.24	U		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

HH229

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ31 S3

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-10

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2833

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

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
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
111-91-1	bis(2-Chloroethoxy)methane	390	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	990	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	390	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ31 S3

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-10

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2833

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990	U
100-02-7	4-Nitrophenol	990	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	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	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	990	U
85-01-8	Phenanthrene	10	J
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	Di-n-butylphthalate	390 ~~16~~	~~JB~~ 4
206-44-0	Fluoranthene	14	J
129-00-0	Pyrene	18	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	390 ~~25~~	~~JB~~ 4
117-84-0	Di-n-octylphthalate	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	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U

(1) - Cannot be separated from Diphenylamine

HH230

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXJ31 S3

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-10

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2833

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 16 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5

Number TICs Found: 5 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C4 ALKYL BENZENE ISO	17.13	310	J
02.	UNKNOWN	9.09	290	~~JB~~ K
03.	UNKNOWN	20.87	89	J
04.	UNKNOWN C18H18 PAH	23.19	87	J
05.	UNKNOWN	12.50	83	~~JB~~ K
06.				
07.				
08.				
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HH231

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
1289
BXJ31 S3

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): SOIL Lab Sample ID: 990124A-10

Sample wt/vol: 30 (g/ml) G Lab File ID: C1013CLP514

% Moisture: 16 decanted: (Y/N) N Date Received: 01/26/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/27/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/03/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0 ~~0.13~~	~~JPB~~ U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor Epoxide	2.0 ~~0.25~~	~~JP~~ U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.9	U
72-55-9	4,4'-DDE	0.71	~~JP~~ J
72-20-8	Endrin	3.9	U
33213-65-9	Endosulfan II	3.9 ~~0.19~~	~~JP~~ U
72-54-8	4,4'-DDD	3.9 ~~0.63~~	~~JP~~ U
1031-07-8	Endosulfan Sulfate	3.9	U
50-29-3	4,4'-DDT	3.9	U
72-43-5	Methoxychlor	20 ~~0.43~~	~~JPB~~ U
53494-70-5	Endrin Ketone	3.9	U
7421-93-4	Endrin Aldehyde	3.9	U
5103-71-9	alpha-Chlordane	2.0 ~~0.73~~	~~JB~~ U
5103-74-2	gamma-Chlordane	0.46	~~JP~~ J
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	39.	U
11104-28-2	Aroclor-1221	80.	U
11141-16-5	Aroclor-1232	39.	U
53469-21-9	Aroclor-1242	39.	U
12672-29-6	Aroclor-1248	39 ~~9.0~~	~~J~~ U
11097-69-1	Aroclor-1254	39.	U
11096-82-5	Aroclor-1260	39.	U

FORM I PEST

OLM03.0

HH232

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S4

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376725

Sample wt/vol: 10.2 (g/mL) G Lab File ID: N376725E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 32 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1700	U
74-83-9	Bromomethane	1700	U
75-01-4	Vinyl Chloride	1700	U
75-00-3	Chloroethane	1700	U
75-09-2	Methylene Chloride	1700	U
67-64-1	Acetone	1700	U
75-15-0	Carbon Disulfide	1700	U
75-35-4	1,1-Dichloroethene	1700	U
75-34-3	1,1-Dichloroethane	1700	U
540-59-0	1,2-Dichloroethene (total)	1700	U
67-66-3	Chloroform	1700	U
107-06-2	1,2-Dichloroethane	1700	U
78-93-3	2-Butanone	1700	U
71-55-6	1,1,1-Trichloroethane	1700	U
56-23-5	Carbon Tetrachloride	1700	U
75-27-4	Bromodichloromethane	1700	U
78-87-5	1,2-Dichloropropane	1700	U
10061-01-5	cis-1,3-Dichloropropene	1700	U
79-01-6	Trichloroethene	1700	U
124-48-1	Dibromochloromethane	1700	U
79-00-5	1,1,2-Trichloroethane	1700	U
71-43-2	Benzene	1700	U
10061-02-6	trans-1,3-Dichloropropene	1700	U
75-25-2	Bromoform	1700	U
108-10-1	4-Methyl-2-Pentanone	1700	U
591-78-6	2-Hexanone	1700	U
127-18-4	Tetrachloroethene	1700	U
79-34-5	1,1,2,2-Tetrachloroethane	1700	U
108-88-3	Toluene	200	J
108-90-7	Chlorobenzene	1700	U
100-41-4	Ethylbenzene	1700	U
100-42-5	Styrene	1700	U
1330-20-7	Xylene (total)	1700	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S4

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376725

Sample wt/vol: 10.2 (g/mL) G Lab File ID: N376725E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 32 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 7

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN TERPENE	12.16	2100	J
2.		UNKNOWN ALKANE	12.79	1900	J
3.		UNKNOWN TERPENE	12.87	1600	J
4.		UNKNOWN C4-ALKYLBENZENE	13.48	6300	J
5.		UNKNOWN ALKANE	13.93	2700	J
6.		UNKNOWN ALKANE	14.83	1600	J
7.	91-20-3	NAPHTHALENE	15.45	1700	NJ
8.					
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HH234

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ32 S4

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 346

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-12

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2416

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 22 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	17000	U
111-44-4	bis(2-Chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	17000	U
541-73-1	1,3-Dichlorobenzene	17000	U
106-46-7	1,4-Dichlorobenzene	17000	U
95-50-1	1,2-Dichlorobenzene	17000	U
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	17000	U
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	bis(2-Chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
120-82-1	1,2,4-Trichlorobenzene	17000	U
91-20-3	Naphthalene	3700	J
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
59-50-7	4-Chloro-3-methylphenol	17000	U
91-57-6	2-Methylnaphthalene	4900	J
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	42000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	42000	U
131-11-3	Dimethylphthalate	17000	U
208-96-8	Acenaphthylene	3700	J
606-20-2	2,6-Dinitrotoluene	17000	U
99-09-2	3-Nitroaniline	42000	U
83-32-9	Acenaphthene	12000	J

HH235

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ32 S4

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 347

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-12

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2416

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 22 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	42000	U
100-02-7	4-Nitrophenol	42000	U
132-64-9	Dibenzofuran	12000	J
121-14-2	2,4-Dinitrotoluene	17000	U
84-66-2	Diethylphthalate	17000	U
7005-72-3	4-Chlorophenyl-phenylether	17000	U
86-73-7	Fluorene	27000	
100-01-6	4-Nitroaniline	42000	U
534-52-1	4,6-Dinitro-2-methylphenol	42000	U
86-30-6	N-Nitrosodiphenylamine (1)	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
87-86-5	Pentachlorophenol	42000	U
85-01-8	Phenanthrene	110000	
120-12-7	Anthracene	35000	
86-74-8	Carbazole	12000	J
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	97000	
129-00-0	Pyrene	93000	
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	52000	
218-01-9	Chrysene	48000	
117-81-7	bis(2-Ethylhexyl)phthalate	19000	~~B~~ 4
117-84-0	Di-n-octylphthalate	380	J
205-99-2	Benzo(b)fluoranthene	37000	
207-08-9	Benzo(k)fluoranthene	43000	
50-32-8	Benzo(a)pyrene	42000	
193-39-5	Indeno(1,2,3-cd)pyrene	22000	
53-70-3	Dibenz(a,h)anthracene	8600	J
191-24-2	Benzo(g,h,i)perylene	15000	J

(1) - Cannot be separated from Diphenylamine

HH236

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ32 S4

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

348

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-12

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2416

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 22 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) Y pH: 8.0

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C20H12 PAH	27.79	33000	J
02.	UNKNOWN C17H12 PAH	23.30	32000	J
03.	UNKNOWN	20.94	31000	J
04.	UNKNOWN C17H12 PAH	23.42	31000	J
05.	UNKNOWN C18H18 PAH	23.22	29000	J
06.	UNKNOWN	24.69	28000	J
07.	UNKNOWN	22.25	22000	J
08.	UNKNOWN	24.47	16000	J
09.	UNKNOWN C17H12 PAH	23.06	16000	J
10.	UNKNOWN BENZO[B]NAPHTHOTHIOP	24.57	15000	J
11.	UNKNOWN C17H12 PAH	25.31	15000	J
12.	UNKNOWN C15H12 PAH	23.51	14000	J
13.	UNKNOWN C15H12 PAH	20.74	13000	J
14.	UNKNOWN C18H12 PAH	24.63	13000	J
15.	UNKNOWN C19H14 PAH	25.86	13000	J
16.	UNKNOWN C15H12 PAH	20.68	13000	J
17.	UNKNOWN	21.60	12000	J
18.	UNKNOWN C20H12 PAH	27.40	12000	J
19.	UNKNOWN C16H11N ISOMER	25.55	11000	J
20.	UNKNOWN C20H12 PAH	28.09	10000	J
21.	UNKNOWN	21.35	9800	J
22.82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.75	9800	JN
23.	UNKNOWN BENZO[B]NAPTHOFURAN	22.85	9500	J
24.	UNKNOWN C17H12 PAH	23.76	9400	J
25.	UNKNOWN C4 ALKYL BENZENE	9.89	9100	J
26.	UNKNOWN BENZO[B]NAPHTHOTHIOP	24.90	9100	J
27.	UNKNOWN	26.15	8800	J
28.	UNKNOWN C16H11N ISOMER	25.45	8800	J
29.612-94-2	NAPHTHALENE, 2-PHENYL-	21.28	8700	JN
30.	UNKNOWN C19H14 PAH	25.77	8600	J

HH237

0937

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXJ32 54

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water): SOIL Lab Sample ID: 990124B-12

Sample wt/vol: 30 (g/ml) G Lab File ID: C1013CLP504

% Moisture: 22 decanted: (Y/N) N Date Received: 01/26/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/27/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/03/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U J
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2 ~~0.66~~	~~JP~~ N
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor Epoxide	2.2 ~~1.8~~	~~JP~~ N
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	8.2	~~P~~ N J
72-54-8	4,4'-DDD	8.3	J
1031-07-8	Endosulfan Sulfate	*21 ~~23.~~	~~P~~ ~~K~~ N
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22.	U J
53494-70-5	Endrin Ketone	4.2	U
7421-93-4	Endrin Aldehyde	4.2	U
5103-71-9	alpha-Chlordane	* 11 ~~7.9~~	~~PB~~ ~~K~~ N
5103-74-2	gamma-Chlordane	6.1	~~P~~ J
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42.	U
11104-28-2	Aroclor-1221	~~86.~~	U
11141-16-5	Aroclor-1232	*210 ~~98.~~	~~P~~
53469-21-9	Aroclor-1242	~~42.~~	U
12672-29-6	Aroclor-1248	42.	U
11097-69-1	Aroclor-1254	100	~~P~~ J
11096-82-5	Aroclor-1260	42.	U

* Values Transferred from dilution analyses, + qualifier

FORM I PEST

OLM03.0

HH238

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S5

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376726

Sample wt/vol: 11.8 (g/mL) G Lab File ID: N376726E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 10 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1100	U
74-83-9	Bromomethane	1100	U
75-01-4	Vinyl Chloride	1100	U
75-00-3	Chloroethane	1100	U
75-09-2	Methylene Chloride	1100	U
67-64-1	Acetone	1100	U
75-15-0	Carbon Disulfide	1100	U
75-35-4	1,1-Dichloroethene	1100	U
75-34-3	1,1-Dichloroethane	1100	U
540-59-0	1,2-Dichloroethene (total)	1100	U
67-66-3	Chloroform	1100	U
107-06-2	1,2-Dichloroethane	1100	U
78-93-3	2-Butanone	1100	U
71-55-6	1,1,1-Trichloroethane	1100	U
56-23-5	Carbon Tetrachloride	1100	U
75-27-4	Bromodichloromethane	1100	U
78-87-5	1,2-Dichloropropane	1100	U
10061-01-5	cis-1,3-Dichloropropene	1100	U
79-01-6	Trichloroethene	1100	U
124-48-1	Dibromochloromethane	1100	U
79-00-5	1,1,2-Trichloroethane	1100	U
71-43-2	Benzene	1100	U
10061-02-6	trans-1,3-Dichloropropene	1100	U
75-25-2	Bromoform	1100	U
108-10-1	4-Methyl-2-Pentanone	1100	U
591-78-6	2-Hexanone	1100	U
127-18-4	Tetrachloroethene	1100	U
79-34-5	1,1,2,2-Tetrachloroethane	1100	U
108-88-3	Toluene	1100	U
108-90-7	Chlorobenzene	1100	U
100-41-4	Ethylbenzene	1100	U
100-42-5	Styrene	1100	U
1330-20-7	Xylene (total)	1100	U

HH239

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S5

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376726

Sample wt/vol: 11.8 (g/mL) G Lab File ID: N376726E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 10 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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HH240

EPA SAMPLE NO.

S5
MBQG00

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): SOIL Lab Sample ID: 65552S

Level (low/med): LOW Date Received: 01/26/99

% Solids: 92.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3550			P
7440-36-0	Antimony	0.65	U		P
7440-38-2	Arsenic	2.2	B		P
7440-39-3	Barium	22.8	B		P
7440-41-7	Beryllium	0.27	B		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	817	B		P
7440-47-3	Chromium	5.4			P
7440-48-4	Cobalt	3.6	B		P
7440-50-8	Copper	12.9			P
7439-89-6	Iron	8310			P
7439-92-1	Lead	1.9			P
7439-95-4	Magnesium	1590			P
7439-96-5	Manganese	320			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	6.5	B		P
7440-09-7	Potassium	207	B		P
7782-49-2	Selenium	0.87	U	N	P
7440-22-4	Silver	0.43	U		P
7440-23-5	Sodium	121	B	E	P
7440-28-0	Thallium	0.69	B		P
7440-62-2	Vanadium	10.9			P
7440-66-6	Zinc	23.1			P
	Cyanide	0.21	U		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

HH241

0756

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ33 S5

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-09

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2832

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 7 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	2,2'-oxybis(1-Chloropropane)	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	890	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	890	U
83-32-9	Acenaphthene	350	U

HH242

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ33 S5

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-09

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2832

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 7 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	890	U
534-52-1	4,6-Dinitro-2-methylphenol	890	U
86-30-6	N-Nitrosodiphenylamine (1)	350	U
101-55-3	4-Bromophenyl-phenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	Di-n-butylphthalate	350 ~~21~~	~~JB~~ U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350 ~~26~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U

(1) - Cannot be separated from Diphenylamine

0758

EPA SAMPLE NO.

BXJ33 S5

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-09

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2832

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 7 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6

Number TICs Found: 4 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	9.10	250	~~JB~~ R
02. 120-32-1	CLOROPHENE	20.48	110	JN
03.	UNKNOWN	12.51	83	~~JB~~ R
04.	UNKNOWN	15.19	73	J
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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXJ33 S5

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): SOIL Lab Sample ID: 990124A-09

Sample wt/vol: 30 (g/ml) G Lab File ID: C1013CLP513

% Moisture: 7 decanted: (Y/N) N Date Received: 01/26/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/27/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/03/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	1.8	U
319-85-7	beta-BHC	1.8	U
319-86-8	delta-BHC	1.8 ~~0.30~~	~~JPB~~ U J
58-89-9	gamma-BHC (Lindane)	1.8	U
76-44-8	Heptachlor	1.8	U
309-00-2	Aldrin	1.8	U
1024-57-3	Heptachlor Epoxide	1.8	U
959-98-8	Endosulfan I	0.31	J
60-57-1	Dieldrin	3.5	U
72-55-9	4,4'-DDE	3.5	U
72-20-8	Endrin	3.5	U
33213-65-9	Endosulfan II	3.5 ~~0.16~~	~~JP~~ U
72-54-8	4,4'-DDD	3.5	U
1031-07-8	Endosulfan Sulfate	3.5 ~~0.20~~	~~JP~~ U
50-29-3	4,4'-DDT	3.5	U
72-43-5	Methoxychlor	18 ~~0.95~~	~~JPB~~ U
53494-70-5	Endrin Ketone	3.5	U
7421-93-4	Endrin Aldehyde	3.5	U
5103-71-9	alpha-Chlordane	1.8 ~~0.33~~	~~JPB~~ U
5103-74-2	gamma-Chlordane	1.8 ~~0.22~~	~~JP~~ U
8001-35-2	Toxaphene	180	U
12674-11-2	Aroclor-1016	35.	U
11104-28-2	Aroclor-1221	72.	U
11141-16-5	Aroclor-1232	35.	U
53469-21-9	Aroclor-1242	35.	U
12672-29-6	Aroclor-1248	35.	U
11097-69-1	Aroclor-1254	35.	U
11096-82-5	Aroclor-1260	35.	U

FORM I PEST

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S6

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376727

Sample wt/vol: 11.7 (g/mL) G Lab File ID: N376727E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 21 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl Chloride	1300	U
75-00-3	Chloroethane	1300	U
75-09-2	Methylene Chloride	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
75-35-4	1,1-Dichloroethene	1300	U
75-34-3	1,1-Dichloroethane	1300	U
540-59-0	1,2-Dichloroethene (total)	1300	U
67-66-3	Chloroform	1300	U
107-06-2	1,2-Dichloroethane	1300	U
78-93-3	2-Butanone	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
75-27-4	Bromodichloromethane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
79-01-6	Trichloroethene	1300	U
124-48-1	Dibromochloromethane	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
71-43-2	Benzene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
75-25-2	Bromoform	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
591-78-6	2-Hexanone	1300	U
127-18-4	Tetrachloroethene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
108-88-3	Toluene	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
100-42-5	Styrene	1300	U
1330-20-7	Xylene (total)	1300	U

HH246

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S6

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376727

Sample wt/vol: 11.7 (g/mL) G Lab File ID: N376727E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 21 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

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.

S6RE

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376727R1

Sample wt/vol: 11.7 (g/mL) G Lab File ID: N376727E3V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 21 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl Chloride	1300	U
75-00-3	Chloroethane	1300	U
75-09-2	Methylene Chloride	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
75-35-4	1,1-Dichloroethene	1300	U
75-34-3	1,1-Dichloroethane	1300	U
540-59-0	1,2-Dichloroethene (total)	1300	U
67-66-3	Chloroform	1300	U
107-06-2	1,2-Dichloroethane	1300	U
78-93-3	2-Butanone	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
75-27-4	Bromodichloromethane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
79-01-6	Trichloroethene	1300	U
124-48-1	Dibromochloromethane	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
71-43-2	Benzene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
75-25-2	Bromoform	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
591-78-6	2-Hexanone	1300	U
127-18-4	Tetrachloroethene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
108-88-3	Toluene	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
100-42-5	Styrene	1300	U
1330-20-7	Xylene (total)	1300	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S6RE

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376727R1

Sample wt/vol: 11.7 (g/mL) G Lab File ID: N376727E3V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 21 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

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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HH248

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

56
MBQG01

ab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

ab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

atrix (soil/water): SOIL Lab Sample ID: 65551S

evel (low/med): LOW Date Received: 01/26/99

% Solids: 80.8

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1270			P
7440-36-0	Antimony	1.2	B		P
7440-38-2	Arsenic	6.6			P
7440-39-3	Barium	39.3	B		P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	0.25	U		P
7440-70-2	Calcium	3800			P
7440-47-3	Chromium	6.3			P
7440-48-4	Cobalt	3.6	B		P
7440-50-8	Copper	28.0			P
7439-89-6	Iron	5920			P
7439-92-1	Lead	41.8			P
7439-95-4	Magnesium	206	B		P
7439-96-5	Manganese	39.2			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	24.0			P
7440-09-7	Potassium	181	B		P
7782-49-2	Selenium	1.9		N	P
7440-22-4	Silver	0.49	U		P
7440-23-5	Sodium	106	B	E	P
7440-28-0	Thallium	0.74	U		P
7440-62-2	Vanadium	7.5	B		P
7440-66-6	Zinc	49.6			P
	Cyanide	1.3			CA

olor Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

omments:

HH249

C777

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BXJ34 S6

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-08

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2831

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 25 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	9	J
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	12	J
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

HH25C

0778

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

BXJ34 56

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-08

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2831

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 25 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	19	J
86-74-8	Carbazole	440	U
84-74-2	Di-n-butylphthalate	440 ~~19~~	~~JB~~ U
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	58	J
218-01-9	Chrysene	76	J
117-81-7	bis(2-Ethylhexyl)phthalate	440 ~~77~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	38	J
207-08-9	Benzo(k)fluoranthene	38	J
50-32-8	Benzo(a)pyrene	36	J
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U

(1) - Cannot be separated from Diphenylamine

HH251

0779

EPA SAMPLE NO.

BXJ34 S6

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-08

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2831

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 25 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2

Number TICs Found: 6 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	9.09	330	~~JB~~ R
02.	UNKNOWN	30.10	280	J
03.	UNKNOWN	28.94	150	J
04.	UNKNOWN	29.26	120	J
05.	UNKNOWN	12.50	110	~~JB~~ R
06.	UNKNOWN C15H12 PAH	20.64	100	J
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30.				

HH252

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXJ34 S6

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): SOIL Lab Sample ID: 990124A-08

Sample wt/vol: 30 (g/ml) G Lab File ID: C5023CLP051

% Moisture: 25 decanted: (Y/N) N Date Received: 01/26/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/27/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/04/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	2.3	U J
319-86-8	delta-BHC	2.3 ~~0.23~~	~~JPB~~ U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor Epoxide	2.3 ~~0.11~~	~~JP~~ U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	4.4 ~~0.24~~	~~JP~~ U
72-55-9	4,4'-DDE	4.4	U
72-20-8	Endrin	4.4	U
33213-65-9	Endosulfan II	4.4 ~~0.14~~	~~JP~~ U
72-54-8	4,4'-DDD	4.4	U
1031-07-8	Endosulfan Sulfate	4.4 ~~0.25~~	~~JP~~ U
50-29-3	4,4'-DDT	4.4	U
72-43-5	Methoxychlor	23.	U
53494-70-5	Endrin Ketone	4.4	U
7421-93-4	Endrin Aldehyde	4.4	U
5103-71-9	alpha-Chlordane	2.3	U
5103-74-2	gamma-Chlordane	0.26	~~JP~~ J
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	44.	U
11104-28-2	Aroclor-1221	89.	U
11141-16-5	Aroclor-1232	44.	U
53469-21-9	Aroclor-1242	44.	U
12672-29-6	Aroclor-1248	44 ~~11.~~	~~JP~~ U
11097-69-1	Aroclor-1254	40.	~~JP~~ J
11096-82-5	Aroclor-1260	44.	U

FORM I PEST

OLM03.0

HH253

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-7

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377632

Sample wt/vol: 10.8 (g/mL) G Lab File ID: L377632EV

Level: (low/med) MED Date Received: 02/05/99

% Moisture: not dec. 17 Date Analyzed: 02/09/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl Chloride	1300	U
75-00-3	Chloroethane	1300	U
75-09-2	Methylene Chloride	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
75-35-4	1,1-Dichloroethene	1300	U
75-34-3	1,1-Dichloroethane	1300	U
540-59-0	1,2-Dichloroethene (total)	1300	U
67-66-3	Chloroform	1300	U
107-06-2	1,2-Dichloroethane	1300	U
78-93-3	2-Butanone	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
75-27-4	Bromodichloromethane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
79-01-6	Trichloroethene	1300	U
124-48-1	Dibromochloromethane	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
71-43-2	Benzene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
75-25-2	Bromoform	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
591-78-6	2-Hexanone	1300	U
127-18-4	Tetrachloroethene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
108-88-3	Toluene	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
100-42-5	Styrene	1300	U
1330-20-7	Xylene (total)	1300	U

HH254

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-7

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377632

Sample wt/vol: 10.8 (g/mL) G Lab File ID: L377632EV

Level: (low/med) MED Date Received: 02/05/99

% Moisture: not dec. 17 Date Analyzed: 02/09/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
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30.				

EPA SAMPLE NO.

S7
MBQG02

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): SOIL Lab Sample ID: 66642S

Level (low/med): LOW Date Received: 02/04/99

% Solids: 79.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2480			P
7440-36-0	Antimony	0.76	U		P
7440-38-2	Arsenic	13.2			P J
7440-39-3	Barium	52.9			P
7440-41-7	Beryllium	0.61	B		P
7440-43-9	Cadmium	0.25	U		P
7440-70-2	Calcium	1840			P
7440-47-3	Chromium	21.7			P
7440-48-4	Cobalt	3.7	B		P
7440-50-8	Copper	45.9			P
7439-89-6	Iron	8580			P
7439-92-1	Lead	34.9			P
7439-95-4	Magnesium	417	B		P
7439-96-5	Manganese	103			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	9.3	B		P
7440-09-7	Potassium	239	B		P
7782-49-2	Selenium	1.8		N	P J
7440-22-4	Silver	0.51	U		P
7440-23-5	Sodium	111	B	E	P
7440-28-0	Thallium	0.76	U		P
7440-62-2	Vanadium	11.0	B		P
7440-66-6	Zinc	35.9			P
	Cyanide	0.25	U		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

HH256

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ35 S7

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 402

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-10

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2417

Level: (low/med) LOW Date Received: 02/04/99

% Moisture: 21 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 6.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2100	U
111-44-4	bis(2-Chloroethyl)ether	2100	U
95-57-8	2-Chlorophenol	2100	U
541-73-1	1,3-Dichlorobenzene	2100	U
106-46-7	1,4-Dichlorobenzene	2100	U
95-50-1	1,2-Dichlorobenzene	2100	U
95-48-7	2-Methylphenol	2100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2100	U
106-44-5	4-Methylphenol	2100	U
621-64-7	N-Nitroso-di-n-propylamine	2100	U
67-72-1	Hexachloroethane	2100	U
98-95-3	Nitrobenzene	2100	U
78-59-1	Isophorone	2100	U
88-75-5	2-Nitrophenol	2100	U
105-67-9	2,4-Dimethylphenol	2100	U
111-91-1	bis(2-Chloroethoxy)methane	2100	U
120-83-2	2,4-Dichlorophenol	2100	U
120-82-1	1,2,4-Trichlorobenzene	2100	U
91-20-3	Naphthalene	190	J
106-47-8	4-Chloroaniline	2100	U
87-68-3	Hexachlorobutadiene	2100	U
59-50-7	4-Chloro-3-methylphenol	2100	U
91-57-6	2-Methylnaphthalene	360	J
77-47-4	Hexachlorocyclopentadiene	2100	U
88-06-2	2,4,6-Trichlorophenol	2100	U
95-95-4	2,4,5-Trichlorophenol	5200	U
91-58-7	2-Chloronaphthalene	2100	U
88-74-4	2-Nitroaniline	5200	U
131-11-3	Dimethylphthalate	2100	U
208-96-8	Acenaphthylene	640	J
606-20-2	2,6-Dinitrotoluene	2100	U
99-09-2	3-Nitroaniline	5200	U
83-32-9	Acenaphthene	800	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ35 S7

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ82 403

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-10

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2417

Level: (low/med) LOW Date Received: 02/04/99

% Moisture: 21 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 6.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	5200	U
100-02-7	4-Nitrophenol	5200	U
132-64-9	Dibenzofuran	400	J
121-14-2	2,4-Dinitrotoluene	2100	U
84-66-2	Diethylphthalate	2100	U
7005-72-3	4-Chlorophenyl-phenylether	2100	U
86-73-7	Fluorene	1000	J
100-01-6	4-Nitroaniline	5200	U
534-52-1	4,6-Dinitro-2-methylphenol	5200	U
86-30-6	N-Nitrosodiphenylamine (1)	2100	U
101-55-3	4-Bromophenyl-phenylether	2100	U
118-74-1	Hexachlorobenzene	2100	U
87-86-5	Pentachlorophenol	5200	U
85-01-8	Phenanthrene	10000	
120-12-7	Anthracene	3100	
86-74-8	Carbazole	430	J
84-74-2	Di-n-butylphthalate	2100	U
206-44-0	Fluoranthene	13000	
129-00-0	Pyrene	16000	
85-68-7	Butylbenzylphthalate	120	J
91-94-1	3,3'-Dichlorobenzidine	2100	U
56-55-3	Benzo(a)anthracene	7500	
218-01-9	Chrysene	7400	
117-81-7	bis(2-Ethylhexyl)phthalate	2100 ~~440~~	~~JB~~ U
117-84-0	Di-n-octylphthalate	2100	U
205-99-2	Benzo(b)fluoranthene	5900	
207-08-9	Benzo(k)fluoranthene	5400	
50-32-8	Benzo(a)pyrene	7200	
193-39-5	Indeno(1,2,3-cd)pyrene	4300	
53-70-3	Dibenz(a,h)anthracene	1500	J
191-24-2	Benzo(g,h,i)perylene	4600	

(1) - Cannot be separated from Diphenylamine

HH258

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXJ35 S7

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 404

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-10

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2417

Level: (low/med) LOW Date Received: 02/04/99

% Moisture: 21 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 6.8

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C20H12 PAH	27.79	5800	J
02.	UNKNOWN	20.94	5400	J
03.	UNKNOWN C17H12 PAH	23.30	5000	J
04.	UNKNOWN C17H12 PAH	23.07	3300	J
05.	UNKNOWN C17H12 PAH	23.51	3100	J
06.	UNKNOWN BENZO[B]NAPHTHOTHIOP	24.57	2600	J
07.	UNKNOWN C15H12 PAH	20.68	2600	J
08.	UNKNOWN C18H14 PAH	24.36	2500	J
09.	UNKNOWN C15H12 PAH	20.75	2500	J
10.	UNKNOWN C17H12 PAH	23.77	2400	J
11.	UNKNOWN C19H14 PAH	25.86	2400	J
12.	UNKNOWN C20H14 PAH	26.86	2300	J
13.82-05-3	7H-BENZ[DE]ANTHRACEN-7-ONE	24.77	2200	JN
14.5737-13-3	CYCLOPENTA(DEF)PHENANTHRENON	22.04	2200	JN
15.	UNKNOWN C18H10 PAH	24.68	2100	J
16.	UNKNOWN	22.49	2100	J
17.	UNKNOWN C17H12 PAH	23.71	2100	J
18.	UNKNOWN C18H12 PAH	24.64	2100	J
19.	UNKNOWN C18H12 PAH	25.32	2000	J
20.	UNKNOWN C16H14 PAH	21.84	1900	J
21.	UNKNOWN C17H12 PAH	23.42	1800	J
22.	UNKNOWN	22.75	1700	J
23.	UNKNOWN C20H12 PAH	27.40	1700	J
24.	UNKNOWN C20H12 PAH	28.09	1700	J
25.	UNKNOWN C17H14 PAH	23.62	1600	J
26.	UNKNOWN C16H14 PAH	21.90	1600	J
27.	UNKNOWN C16H12 PAH	21.28	1600	J
28.243-42-5	BENZO[B]NAPHTHO[2,3-D]FURAN	22.85	1500	JN
29.	UNKNOWN C19H14 PAH	26.14	1400	J
30.	UNKNOWN C22H14 PAH	31.26	1400	J

HH259

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXJ35 S7

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water): SOIL Lab Sample ID: 990124B-10

Sample wt/vol: 30 (g/ml) G Lab File ID: C5023CLP039

% Moisture: 19 decanted: (Y/N) N Date Received: 02/04/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/05/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/03/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.1	U
319-85-7	beta-BHC	2.1	U J
319-86-8	delta-BHC	2.1 ~~0.30~~	~~JP~~ U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.1	U
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor Epoxide	2.1 ~~1.8~~	~~JP~~ U
959-98-8	Endosulfan I	2.1	U
60-57-1	Dieldrin	4.1 ~~2.1~~	~~JP~~ U
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1 ~~3.1~~	~~JP~~ U
72-54-8	4,4'-DDD	4.1	U
1031-07-8	Endosulfan Sulfate	~~10.~~	~~P~~ R
50-29-3	4,4'-DDT	4.1 ~~2.0~~	~~JP~~ U
72-43-5	Methoxychlor	21.	U J
53494-70-5	Endrin Ketone	4.1	U
7421-93-4	Endrin Aldehyde	4.1	U
5103-71-9	alpha-Chlordane	~~6.6~~	~~PB~~ R
5103-74-2	gamma-Chlordane	3.0	~~P~~
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41.	U
11104-28-2	Aroclor-1221	83.	U
11141-16-5	Aroclor-1232	41.	U
53469-21-9	Aroclor-1242	41.	U
12672-29-6	Aroclor-1248	41.	U
11097-69-1	Aroclor-1254	190	~~P~~ J
11096-82-5	Aroclor-1260	41.	U

FORM I PEST

OLM03.0

HH260

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S-8

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377633

Sample wt/vol: 10.7 (g/mL) G Lab File ID: L377633EV

Level: (low/med) MED Date Received: 02/05/99

% Moisture: not dec. 12 Date Analyzed: 02/09/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1300	U
74-83-9	Bromomethane	1300	U
75-01-4	Vinyl Chloride	1300	U
75-00-3	Chloroethane	1300	U
75-09-2	Methylene Chloride	1300	U
67-64-1	Acetone	1300	U
75-15-0	Carbon Disulfide	1300	U
75-35-4	1,1-Dichloroethene	1300	U
75-34-3	1,1-Dichloroethane	1300	U
540-59-0	1,2-Dichloroethene (total)	1300	U
67-66-3	Chloroform	1300	U
107-06-2	1,2-Dichloroethane	1300	U
78-93-3	2-Butanone	1300	U
71-55-6	1,1,1-Trichloroethane	1300	U
56-23-5	Carbon Tetrachloride	1300	U
75-27-4	Bromodichloromethane	1300	U
78-87-5	1,2-Dichloropropane	1300	U
10061-01-5	cis-1,3-Dichloropropene	1300	U
79-01-6	Trichloroethene	1300	U
124-48-1	Dibromochloromethane	1300	U
79-00-5	1,1,2-Trichloroethane	1300	U
71-43-2	Benzene	1300	U
10061-02-6	trans-1,3-Dichloropropene	1300	U
75-25-2	Bromoform	1300	U
108-10-1	4-Methyl-2-Pentanone	1300	U
591-78-6	2-Hexanone	1300	U
127-18-4	Tetrachloroethene	1300	U
79-34-5	1,1,2,2-Tetrachloroethane	1300	U
108-88-3	Toluene	1300	U
108-90-7	Chlorobenzene	1300	U
100-41-4	Ethylbenzene	1300	U
100-42-5	Styrene	1300	U
1330-20-7	Xylene (total)	1300	U

HH261

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S-8

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 377633

Sample wt/vol: 10.7 (g/mL) G Lab File ID: L377633EV

Level: (low/med) MED Date Received: 02/05/99

% Moisture: not dec. 12 Date Analyzed: 02/09/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
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7.					
8.					
9.					
10.					
11.					
12.					
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26.					
27.					
28.					
29.					
30.					

HH262

EPA SAMPLE NO.

S8
MBQG03

INORGANIC ANALYSIS DATA SHEET

ab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

atrix (soil/water): SOIL Lab Sample ID: 66643S

evel (low/med): LOW Date Received: 02/04/99

% Solids: 84.1

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5,	Aluminum	5320			P
7440-36-0	Antimony	0.71	U		P
7440-38-2	Arsenic	3.6			P
7440-39-3	Barium	48.3			P
7440-41-7	Beryllium	0.41	B		P
7440-43-9	Cadmium	0.24	U		P
7440-70-2	Calcium	2370			P
7440-47-3	Chromium	10.3			P
7440-48-4	Cobalt	4.8	B		P
7440-50-8	Copper	18.7			P
7439-89-6	Iron	9410			P
7439-92-1	Lead	49.3			P
7439-95-4	Magnesium	1360			P
7439-96-5	Manganese	191			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	13.7			P
7440-09-7	Potassium	330	B		P
7782-49-2	Selenium	0.95	U	N	P
7440-22-4	Silver	0.48	U		P
7440-23-5	Sodium	155	B	E	P
7440-28-0	Thallium	1.0	B		P
7440-62-2	Vanadium	14.8			P
7440-66-6	Zinc	50.9			P
	Cyanide	0.24	U		CA

olor Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

omments:

HH263

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ36 S8

460

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-11

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2403

Level: (low/med) LOW Date Received: 02/04/99

% Moisture: 16 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

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
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	64	J
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	70	J
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	990	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	12	J
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	990	U
83-32-9	Acenaphthene	130	J

HH 264

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ36 S8

461

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-11

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2403

Level: (low/med) LOW Date Received: 02/04/99

% Moisture: 16 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	990	U J
100-02-7	4-Nitrophenol	990	U
132-64-9	Dibenzofuran	70	J
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	140	J
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U J
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	990	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	280	J
86-74-8	Carbazole	230	J N
84-74-2	Di-n-butylphthalate	390 ~~22~~	~~JB~~ 4J
206-44-0	Fluoranthene	2400	J
129-00-0	Pyrene	1400	
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	1000	
218-01-9	Chrysene	1300	
117-81-7	bis(2-Ethylhexyl)phthalate	390 ~~88~~	~~JB~~ 4
117-84-0	Di-n-octylphthalate	390	U J
205-99-2	Benzo(b)fluoranthene	930	
207-08-9	Benzo(k)fluoranthene	910	
50-32-8	Benzo(a)pyrene	980	
193-39-5	Indeno(1,2,3-cd)pyrene	860	
53-70-3	Dibenz(a,h)anthracene	300	J
191-24-2	Benzo(g,h,i)perylene	910	

(1) - Cannot be separated from Diphenylamine

HH265

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ36 S8

462

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-11

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2403

Level: (low/med) LOW Date Received: 02/04/99

% Moisture: 16 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN C22H14 PAH	31.31	790	J
02.	UNKNOWN C20H12 PAH	27.82	740	J
03.	UNKNOWN	32.05	650	J
04.	UNKNOWN	32.07	480	J
05.	UNKNOWN BENZO[B]NAPTHOTHIOPH	24.60	460	J
06.	UNKNOWN C22H14 PAH	31.47	430	J
07.	UNKNOWN	26.90	400	J
08.	UNKNOWN	29.34	400	J
09.	UNKNOWN C17H12 PAH	23.54	390	J
10.	UNKNOWN C17H10O ISOMER	24.38	390	J
11.	UNKNOWN	20.98	360	J
12.	UNKNOWN	30.18	350	J
13.	UNKNOWN C17H12 PAH	23.33	350	J
14.	UNKNOWN	9.22	340	~~JB~~ K
15.	UNKNOWN C20H12 PAH	28.13	320	J
16.	UNKNOWN	27.16	320	J
17.	UNKNOWN C17H10O ISOMER	24.80	310	J
18.	UNKNOWN C15H12 PAH	20.70	300	J
19.	UNKNOWN C16H11N ISOMER	25.58	290	J
20.	UNKNOWN	32.53	280	J
21.	UNKNOWN	23.09	280	J
22.	UNKNOWN	34.18	270	J
23.	UNKNOWN	26.74	260	~~JB~~ K
24.	UNKNOWN C16H11N ISOMER	25.47	250	J
25.	UNKNOWN	22.52	250	J
26.	UNKNOWN	31.59	250	J
27.	UNKNOWN	28.42	240	J
28.243-42-5	BENZO[B]NAPHTHO[2,3-D]FURAN	22.87	240	JN
29.	UNKNOWN	32.28	230	J
30.	UNKNOWN	28.23	220	J

HH266

0971

EPA SAMPLE NO.

BXJ36 S8

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water): SOIL Lab Sample ID: 990124B-11

Sample wt/vol: 30 (g/ml) G Lab File ID: C5023CLP041

% Moisture: 13 decanted: (Y/N) N Date Received: 02/04/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/05/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 03/04/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U J
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0 ~~0.50~~	~~JP~~ U
76-44-8	Heptachlor	2.0 ~~0.49~~	~~JP~~ U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor Epoxide	~~2.2~~	~~P~~ R
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	7.1	~~P~~ J
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8 ~~3.6~~	~~JP~~ U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U
1031-07-8	Endosulfan Sulfate	3.8 ~~1.3~~	~~JP~~ U
50-29-3	4,4'-DDT	~~6.8~~	~~P~~ R
72-43-5	Methoxychlor	20.	U J
53494-70-5	Endrin Ketone	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
5103-71-9	alpha-Chlordane	26.	~~B~~
5103-74-2	gamma-Chlordane	19.	~~B~~
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38.	U
11104-28-2	Aroclor-1221	77.	U
11141-16-5	Aroclor-1232	38.	U
53469-21-9	Aroclor-1242	38.	U
12672-29-6	Aroclor-1248	38.	U
11097-69-1	Aroclor-1254	140	
11096-82-5	Aroclor-1260	38.	U

FORM I PEST

OLM03.0

HH267

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S9

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376728

Sample wt/vol: 11.4 (g/mL) G Lab File ID: N376728E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 9 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl Chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene Chloride	1200	U
67-64-1	Acetone	1200	U
75-15-0	Carbon Disulfide	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon Tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-Pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	1200	U
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

HH268

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S9

Lab Name: SEVERN TRENT LABORATORIES Contract: 95X22651

Lab Code: INCHVT Case No.: HA011999 SAS No.: SDG No.: 72251

Matrix: (soil/water) SOIL Lab Sample ID: 376728

Sample wt/vol: 11.4 (g/mL) G Lab File ID: N376728E2V

Level: (low/med) MED Date Received: 01/23/99

% Moisture: not dec. 9 Date Analyzed: 01/27/99

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 25000(uL) Soil Aliquot Volume: 100(uL)

Number TICs found: 0

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
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HH269

EPA SAMPLE NO.

59
MBQG04

INORGANIC ANALYSIS DATA SHEET

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-D5-0166

Lab Code: CHEM Case No.: 26777 SAS No.: SDG No.: MBQF96

Matrix (soil/water): SOIL Lab Sample ID: 65548S

Level (low/med): LOW Date Received: 01/26/99

% Solids: 90.1

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4380			P
7440-36-0	Antimony	0.87	B		P
7440-38-2	Arsenic	2.4			P
7440-39-3	Barium	51.0			P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	0.22	U		P
7440-70-2	Calcium	7640			P
7440-47-3	Chromium	7.4			P
7440-48-4	Cobalt	5.0	B		P
7440-50-8	Copper	13.6			P
7439-89-6	Iron	11500			P
7439-92-1	Lead	7.0			P
7439-95-4	Magnesium	2200			P
7439-96-5	Manganese	359			P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	10.8			P
7440-09-7	Potassium	418	B		P
7782-49-2	Selenium	0.87	U	N	P
7440-22-4	Silver	0.44	U		P
7440-23-5	Sodium	147	B	E	P
7440-28-0	Thallium	0.65	U		P
7440-62-2	Vanadium	8.4	B		P
7440-66-6	Zinc	35.2			P
	Cyanide	0.22	U		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

HH270

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ37 S9

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-05

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2830

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 13 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	950	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	950	U
83-32-9	Acenaphthene	380	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ37 S9

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-05

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2830

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 13 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	950	U
534-52-1	4,6-Dinitro-2-methylphenol	950	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenyl-phenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	Di-n-butylphthalate	380 ~~28~~	~~JB~~ 4
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380 ~~62~~	~~JB~~ 4
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U J
53-70-3	Dibenz(a,h)anthracene	380	U J
191-24-2	Benzo(g,h,i)perylene	380	U J

(1) - Cannot be separated from Diphenylamine

HH272

0819

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXJ37 S9

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-05

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2830

Level: (low/med) LOW Date Received: 01/26/99

% Moisture: 13 decanted: (Y/N) N Date Extracted: 01/28/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 02/26/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8

Number TICs Found: 1 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	9.09	240	~~JB~~ R
02.				
03.				
04.				
05.				
06.				
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28.				
29.				
30.				

HH273

1315

EPA SAMPLE NO.

BXJ37 59

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): SOIL Lab Sample ID: 990124A-05

Sample wt/vol: 30 (g/ml) G Lab File ID: C1013CLP497

% Moisture: 13 decanted: (Y/N) N Date Received: 01/26/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 01/27/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/02/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0 ~~0.048~~	~~JPB~~ U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor Epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	3.8	U
72-55-9	4,4'-DDE	3.8	U
72-20-8	Endrin	3.8	U
33213-65-9	Endosulfan II	3.8	U
72-54-8	4,4'-DDD	3.8	U J
1031-07-8	Endosulfan Sulfate	3.8	U
50-29-3	4,4'-DDT	3.8	U
72-43-5	Methoxychlor	20 ~~0.48~~	~~JPB~~ U
53494-70-5	Endrin Ketone	3.8	U
7421-93-4	Endrin Aldehyde	3.8	U
5103-71-9	alpha-Chlordane	2.0 ~~0.11~~	~~JPB~~ U J
5103-74-2	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	38.	U
11104-28-2	Aroclor-1221	77.	U
11141-16-5	Aroclor-1232	38.	U
53469-21-9	Aroclor-1242	38.	U
12672-29-6	Aroclor-1248	38.	U
11097-69-1	Aroclor-1254	38.	U
11096-82-5	Aroclor-1260	38.	U

FORM I PEST

OLM03.0

HH274

MEMORANDUM

TO: HAMERSLEY MANUFACTURING COMPANY FILE

RE: MISTAKES REGARDING SAMPLE NUMBERS

FROM: Nick Sodano, HSMS 2

Date: March 20, 2000

Mistakes were made by NJDEP personnel regarding sampling numbers during the sampling at Hamersley Manufacturing Company during January of 1999. There was a failure to adequately check and recheck the corresponding chain of custodys and corresponding EPA sample numbers vs. DEP field numbers. As a result, seven samples were analyzed which NJDEP cannot identify. The sample results in question are attached.

Fortunately, none of these results show any significant levels of contamination. Also, none are critical to NJDEP's assessment of the remaining results which are not in question.

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXH32 SW5

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-22

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1019CLP062

% Moisture: _____ decanted: (Y/N) __ Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/05/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/20/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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	0.05 ~~0.017~~	~~JP~~ U J
319-86-8	delta-BHC	0.05 ~~0.0051~~	~~JPB~~ U
58-89-9	gamma-BHC (Lindane)	0.05 ~~0.0080~~	~~JPB~~ U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor Epoxide	0.05 ~~0.0038~~	~~JP~~ U
959-98-8	Endosulfan I	0.05 ~~0.0024~~	~~JP~~ U
60-57-1	Dieldrin	0.0048	~~JP~~ J
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 J
53494-70-5	Endrin Ketone	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05 ~~0.0040~~	~~JP~~ U
5103-74-2	gamma-Chlordane	0.0050	J
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST

OLM03.0

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXJ11 SW5

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-12

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1019CLP052

% Moisture: ____ decanted: (Y/N)__ Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/05/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/20/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

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	0.05 ~~0.0043~~	~~JP~~ U
959-98-8	Endosulfan I	0.05 ~~0.0016~~	~~JP~~ 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 J
53494-70-5	Endrin Ketone	0.10	U
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.05 ~~0.0027~~	~~JP~~ U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST

OLM03.0

HH277

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BYH96

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-20

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1019CLP058

% Moisture: _____ decanted: (Y/N)__ Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/05/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/20/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

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

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U J
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	0.05 ~~0.0034~~	~~JP~~ 4
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.0070	J
72-55-9	4,4'-DDE	0.10 ~~0.0022~~	~~JP~~ 4
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 J
53494-70-5	Endrin Ketone	0.013	J
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	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.
BXH31

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): WATER Lab Sample ID: 990124A-21

Sample wt/vol: 1000 (g/ml) ML Lab File ID: C1019CLP061

% Moisture: _____ decanted: (Y/N) __ Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 02/05/99

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 02/20/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

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 J
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.05 ~~0.012~~	~~JPB~~ U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor Epoxide	0.05 ~~0.0039~~	~~JP~~ U
959-98-8	Endosulfan I	0.05 ~~0.0074~~	~~J~~ U
60-57-1	Dieldrin	0.0048	J
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
7421-93-4	Endrin Aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.0055	~~JP~~ J
5103-74-2	gamma-Chlordane	0.05 ~~0.0050~~	~~JP~~ U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

FORM I PEST

OLM03.0

HH279

0833

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BYH96

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-20

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2848

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

HH280

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BYH96

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-20

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2848

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:_____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U J
100-02-7	4-Nitrophenol	25	U J
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10 ~~2~~	~~J~~ 4
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~2~~	~~JB~~ 4
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	10	U J
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10 ~~6~~	~~J~~ 4
117-84-0	Di-n-octylphthalate	.3	J
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 J
53-70-3	Dibenz(a,h)anthracene	10	U J
191-24-2	Benzo(g,h,i)perylene	10	U J

(1) - Cannot be separated from Diphenylamine

HH281

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BYH96

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-20

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2848

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Number TICs Found: 5 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	24.16	3	J
02.	UNKNOWN C8H18O3 ISOMER	12.39	3	J
03.	UNKNOWN	15.14	2	JB
04.	UNKNOWN	14.76	2	J
05.	UNKNOWN ACID	11.16	2	J
06.				
07.				
08.				
09.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
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27.				
28.				
29.				
30.				

HH282

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
BXJ25

TRIP BLANK? (CANT BE)

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water): SOIL Lab Sample ID: 990124A-19

Sample wt/vol: 30 (g/ml) G Lab File ID: C1021CLP020

% Moisture: 47 decanted: (Y/N) N Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/10/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/26/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.2	U J
319-85-7	beta-BHC	3.2	U J
319-86-8	delta-BHC	3.2	U J
58-89-9	gamma-BHC (Lindane)	3.2	U
76-44-8	Heptachlor	3.2	U
309-00-2	Aldrin	3.2	U
1024-57-3	Heptachlor Epoxide	3.2 ~~1.3~~	~~JP~~ 4
959-98-8	Endosulfan I	3.2	U
60-57-1	Dieldrin	6.2 ~~3.5~~	~~JP~~ 4
72-55-9	4,4'-DDE	6.2	U
72-20-8	Endrin	6.2 ~~2.8~~	~~JP~~ 4
33213-65-9	Endosulfan II	6.2	U
72-54-8	4,4'-DDD	5.8	J
1031-07-8	Endosulfan Sulfate	6.2 ~~1.7~~	~~JPB~~ 4
50-29-3	4,4'-DDT	6.2 ~~2.6~~	~~JP~~ 4
72-43-5	Methoxychlor	32.	U
53494-70-5	Endrin Ketone	6.2	U
7421-93-4	Endrin Aldehyde	6.2	U
5103-71-9	alpha-Chlordane	12.	~~P~~ N
5103-74-2	gamma-Chlordane	8.2	~~PB~~ N
8001-35-2	Toxaphene	320	U
12674-11-2	Aroclor-1016	62.	U
11104-28-2	Aroclor-1221	130	U
11141-16-5	Aroclor-1232	62.	U
53469-21-9	Aroclor-1242	62.	U
12672-29-6	Aroclor-1248	62 ~~44.~~	~~JP~~ 4
11097-69-1	Aroclor-1254	79.	~~P~~
11096-82-5	Aroclor-1260	62.	U

FORM I PEST

OLM03.0

HH283

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO. 77

BXJ25 TRIP BLANK (CANT BE!)

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-19

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2856

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 30 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	19	~~J~~ J
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	98	~~J~~
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	28	~~J~~
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	39	~~J~~
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	470	U
208-96-8	Acenaphthylene	22	~~J~~
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	Acenaphthene	63	~~J~~

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ25

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-19

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2856

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 30 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	30	J
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	80	J
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	930	
120-12-7	Anthracene	180	J
86-74-8	Carbazole	83	J
84-74-2	Di-n-butylphthalate	470	U
206-44-0	Fluoranthene	850	
129-00-0	Pyrene	780	
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	470	U
56-55-3	Benzo(a)anthracene	360	J
218-01-9	Chrysene	620	
117-81-7	bis(2-Ethylhexyl)phthalate	470 ~~200~~	~~JB~~
117-84-0	Di-n-octylphthalate	470	U
205-99-2	Benzo(b)fluoranthene	280	J
207-08-9	Benzo(k)fluoranthene	390	J
50-32-8	Benzo(a)pyrene	370	J
193-39-5	Indeno(1,2,3-cd)pyrene	390	J
53-70-3	Dibenz(a,h)anthracene	140	J
191-24-2	Benzo(g,h,i)perylene	420	J

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXJ25

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) SOIL Lab Sample ID: 990124A-19

Sample wt/vol: 30 (g/mL) G Lab File ID: >P2856

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 30 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 10.0

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	31.04	1400	J
02.	UNKNOWN	29.52	1000	J
03.	UNKNOWN	31.78	860	J
04.	UNKNOWN	30.59	670	J
05.	UNKNOWN	33.85	660	J
06.	UNKNOWN	9.04	380	~~JB~~ R
07.	UNKNOWN C22H12 PAH	32.10	340	J
08.	UNKNOWN	29.98	340	J
09.	UNKNOWN	32.93	340	J
10.	UNKNOWN	29.16	320	J
11.	UNKNOWN C15H12 PAH	20.58	320	J
12.	UNKNOWN C20H12 PAH	27.69	290	J
13.	UNKNOWN	26.64	280	J
14.	UNKNOWN	34.39	270	J
15. 80-05-7	PHENOL, 4,4'-(1-METHYLETHYLI	22.64	270	JN
16.	UNKNOWN	29.63	250	J
17.	UNKNOWN SILOXANE ISOMER	11.59	240	~~JB~~ R
18.	UNKNOWN	33.29	210	J
19.	UNKNOWN	32.25	210	J
20.	UNKNOWN C15H24O ISOMER	18.68	210	J
21.	UNKNOWN	32.98	200	J
22.	UNKNOWN	28.09	200	J
23.	UNKNOWN C17H12 PAH	23.22	190	J
24.	UNKNOWN	32.58	180	J
25.	UNKNOWN	31.48	180	J
26.	UNKNOWN C22H14 PAH	31.22	180	J
27.	UNKNOWN	20.85	180	J
28.	UNKNOWN C14H22O ISOMER	18.54	170	J
29.	UNKNOWN	18.83	170	J
30.	UNKNOWN	31.14	170	J

HH286

0040

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH31 ?

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

possibly SW6 Duplcat of SW4

Matrix: (soil/water) WATER Lab Sample ID: 990124A-21

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2851

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:____

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
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
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	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

HH287

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXH31

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-21

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2851

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

possi SW

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U J
100-02-7	4-Nitrophenol	25	U J
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10 ~~J~~	~~J~~ 4
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	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	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10 ~~J~~	~~JB~~ 4
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	10	U J
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	4 ~~J~~	~~J~~ 4
117-84-0	Di-n-octylphthalate	1	J
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 J
53-70-3	Dibenz(a,h)anthracene	10	U J
191-24-2	Benzo(g,h,i)perylene	10	U J

(1) - Cannot be separated from Diphenylamine

1F

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

BXH31

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXH34

Matrix: (soil/water) WATER Lab Sample ID: 990124A-21 Possible SW6

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >P2851

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 02/04/99

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/01/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:____

Number TICs Found: 9 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	24.14	4	J
02.	UNKNOWN	24.10	3	J
03.	UNKNOWN	15.14	3	~~JB~~ r
04.	UNKNOWN C8H18O3 ISOMER	12.38	3	J
05.	UNKNOWN	27.04	2	J
06.	UNKNOWN	23.76	2	J
07.	UNKNOWN	27.08	2	J
08.	UNKNOWN	22.19	2	J
09.	UNKNOWN	23.71	2	J
10.				
11.				
12.				
13.				
14.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ40 ?

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32 653

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-06

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2427

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 43 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: ~~03/02/99~~

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	580	U J
111-44-4	bis(2-Chloroethyl)ether	580	U
95-57-8	2-Chlorophenol	580	U
541-73-1	1,3-Dichlorobenzene	580	U
106-46-7	1,4-Dichlorobenzene	580	U
95-50-1	1,2-Dichlorobenzene	580	U
95-48-7	2-Methylphenol	580	U
108-60-1	2,2'-oxybis(1-Chloropropane)	580	U
106-44-5	4-Methylphenol	66	J
621-64-7	N-Nitroso-di-n-propylamine	580	U
67-72-1	Hexachloroethane	580	U
98-95-3	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-5	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	580	U
111-91-1	bis(2-Chloroethoxy)methane	580	U
120-83-2	2,4-Dichlorophenol	580	U
120-82-1	1,2,4-Trichlorobenzene	580	U
91-20-3	Naphthalene	140	J
106-47-8	4-Chloroaniline	34	J
87-68-3	Hexachlorobutadiene	580	U
59-50-7	4-Chloro-3-methylphenol	580	U
91-57-6	2-Methylnaphthalene	49	J
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
95-95-4	2,4,5-Trichlorophenol	1400	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	1400	U
131-11-3	Dimethylphthalate	580	U
208-96-8	Acenaphthylene	96	J
606-20-2	2,6-Dinitrotoluene	580	U
99-09-2	3-Nitroaniline	1400	U
83-32-9	Acenaphthene	160	J

HH290

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

BXJ40

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

654

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-06

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2427

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 43 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1400	U J
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	66	~~J~~
121-14-2	2,4-Dinitrotoluene	580	U
84-66-2	Diethylphthalate	1800	~~B~~
7005-72-3	4-Chlorophenyl-phenylether	580	U
86-73-7	Fluorene	170	~~J~~
100-01-6	4-Nitroaniline	1400	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	N-Nitrosodiphenylamine (1)	37	~~J~~
101-55-3	4-Bromophenyl-phenylether	580	U
118-74-1	Hexachlorobenzene	580	U
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	390	~~J~~
86-74-8	Carbazole	160	~~J~~
84-74-2	Di-n-butylphthalate	SRC ~~15~~	~~JB~~
206-44-0	Fluoranthene	1600	
129-00-0	Pyrene	1900	
85-68-7	Butylbenzylphthalate	580	U
91-94-1	3,3'-Dichlorobenzidine	580	U
56-55-3	Benzo(a)anthracene	900	
218-01-9	Chrysene	1000	
117-81-7	bis(2-Ethylhexyl)phthalate	SRC ~~190~~	~~JB~~
117-84-0	Di-n-octylphthalate	580	U
205-99-2	Benzo(b)fluoranthene	800	
207-08-9	Benzo(k)fluoranthene	770	
50-32-8	Benzo(a)pyrene	890	
193-39-5	Indeno(1,2,3-cd)pyrene	530	~~J~~
53-70-3	Dibenz(a,h)anthracene	200	~~J~~
191-24-2	Benzo(g,h,i)perylene	580	U

(1) - Cannot be separated from Diphenylamine

HH291

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

BXJ40

655

Lab Name: STL/CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water) SOIL Lab Sample ID: 990124B-06

Sample wt/vol: 30 (g/mL) G Lab File ID: >Q2427

Level: (low/med) LOW Date Received: 02/03/99

% Moisture: 43 decanted: (Y/N) N Date Extracted: 02/09/99

Concentrated Extract Volume: 500 (uL) Date Analyzed: 03/02/99

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs Found: 30 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01.	UNKNOWN	31.51	39000	J
02.	UNKNOWN	31.92	35000	J
03.	UNKNOWN	32.49	11000	J
04.	UNKNOWN	26.23	10000	J
05.	UNKNOWN	31.02	10000	J
06.	UNKNOWN C21H16 ISOMER	33.88	8500	J
07.	UNKNOWN	34.26	8100	J
08.	UNKNOWN	24.58	5300	J
09.	UNKNOWN	31.56	4200	J
10.	UNKNOWN	32.78	4100	J
11.	UNKNOWN	27.77	3500	J
12.	UNKNOWN	24.89	3400	J
13.	UNKNOWN	33.33	3200	J
14.	UNKNOWN	33.37	3000	J
15.	UNKNOWN	32.65	2800	J
16.	UNKNOWN C22H12 PAH	32.06	2700	J
17.	UNKNOWN	29.82	2100	J
18.	UNKNOWN	29.74	2000	J
19.	UNKNOWN	27.91	1900	J
20.	UNKNOWN	33.68	1800	J
21.	UNKNOWN	28.66	1800	J
22.	UNKNOWN	29.30	1700	J
23.	UNKNOWN	32.94	1500	J
24.	UNKNOWN	31.63	1300	J
25.	UNKNOWN	26.05	1200	J
26.	UNKNOWN	30.30	1200	J
27.	UNKNOWN	24.41	1100	J
28.	UNKNOWN	25.00	1100	J
29.	UNKNOWN	26.74	1000	JB
30.	UNKNOWN	32.29	1000	J

HH292

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

C993
EPA SAMPLE NO.
BXJ40 ?

Lab Name: STL-CT Contract: 68-D5-0014

Lab Code: IEACT Case No.: 26777 SAS No.: _____ SDG No.: BXJ32

Matrix: (soil/water): SOIL Lab Sample ID: 990124B-06

Sample wt/vol: 30 (g/ml) G Lab File ID: C1021CLP073

% Moisture: 43 decanted: (Y/N) N Date Received: 02/03/99

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/05/99

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 02/27/99

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	3.0	U
319-85-7	beta-BHC	3.0	U J
319-86-8	delta-BHC	3.0	U
58-89-9	gamma-BHC (Lindane)	3.0	U
76-44-8	Heptachlor	3.0 ~~0.085~~	~~JP~~ U
309-00-2	Aldrin	1.7	J
1024-57-3	Heptachlor Epoxide	3.0 ~~1.1~~	~~JP~~ U
959-98-8	Endosulfan I	3.0 ~~0.80~~	~~JPB~~ U
60-57-1	Dieldrin	5.8	U
72-55-9	4,4'-DDE	5.8	U
72-20-8	Endrin	5.8	U
33213-65-9	Endosulfan II	5.8	U
72-54-8	4,4'-DDD	18.	~~P~~ NJ
1031-07-8	Endosulfan Sulfate	5.8 ~~4.8~~	~~JP~~ U
50-29-3	4,4'-DDT	5.8	U
72-43-5	Methoxychlor	30.	U
53494-70-5	Endrin Ketone	5.8	U
7421-93-4	Endrin Aldehyde	5.8	U
5103-71-9	alpha-Chlordane	~~6.6~~	~~PB~~ R
5103-74-2	gamma-Chlordane	5.0	~~B~~
8001-35-2	Toxaphene	300	U
12674-11-2	Aroclor-1016	58.	U
11104-28-2	Aroclor-1221	120	U
11141-16-5	Aroclor-1232	58.	U
53469-21-9	Aroclor-1242	58.	U
12672-29-6	Aroclor-1248	58.	U
11097-69-1	Aroclor-1254	43.	~~JP~~ J
11096-82-5	Aroclor-1260	58.	U

FORM I PEST

OLM03.0

HH293