EPA Region 5 Records Ctr.
303291

INSPECTION REPORT
FOR
LoBue #2
Chicago Heights, IL
ILD980902050
R05-8303-01F

MARCH 7, 1986

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Cardinal

ecology and environment, inc.
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415
International Specialists in the Environment

MEMORANDUM

DATE: March 7, 1986
TO: File
FROM: Suzanne Kozlowski/Steve Nelson
SUBJECT: Illinois/R05-8303-01F/IL0244
Chicago Heights/LoBue #2
ILD 980902050

LoBue #2 is an active open dump/landfill that has operated since approximately 1970. The site is located on the north side of Sauk Trail Road south of Chicago Heights. The site is permitted to accept foundry sand, slag, cinders, concrete, brick, asphalt and cardboard. LoBue #2 also accepted empty drums which were believed to contain paint and solvents. The site was identified by the Illinois EPA in the form of a Preliminary Assessment, submitted to the U.S. EPA.

On October 25, 1984, Ecology and Environment FIT members conducted a site inspection and interview. Five soil samples were later collected on July 2, 1985 to obtain waste characteristics. The analytical data is summarized in Table 1. The background sample, MEF 231, contained low levels of arsenic (As), lead (Pb), and vanadium (V). Three soil samples contained beryllium (Be), cadmium (Cd), copper (Cu), mercury (Hg) and nickel (Ni) as well as lead at levels ten times above background. Sample MEF 234 showed no contamination. Sample MEF 235 contained polyaromatic hydrocarbons and pesticides while no other samples showed any organic contamination.

recycled paper

Soils in the area are predominantly clays above ten feet of silty loam overlying bedrock. Contaminants can reach the Silurian-Dolomite bedrock aquifer by migrating through fractures and solution cavities. However, the potential for contaminant migration appears quite low. Furthermore, little or no groundwater flow occurs through the soil zone as evidenced by the monitoring wells present. Inspections by the Illinois EPA found little water in the southwest monitoring well, and no water in the southeast monitoring well. The FIT inspection on 10/25/84 found the same conditions even though surface conditions were very wet at the time. Thus, the potential for groundwater contamination appears quite low.

81E:4X

Table 1
LoBue #2
Summary of Analytical Data

Metals Detected (1)	Soil Sample Locations			
	MEF 231	MEF 232	MEF 233	MEF 235
As	9.3	104	20	14
Be	--	4	6	--
Cd	--	--	3	5
Cu	--	128	56	33
Pb	9.2	173	89	177
Hg	--	0.14	0.20	0.16
Ni	--	100	90	41
V	29	47	40	--

Sample MEF 234 showed no contamination. (S-4 on map)

Organics(2) Detected	MEF 235
Phenathrene	540
Fluoranthene	1000
Pyrene	610
Chrysene	360
Benzo(b)fluoranthene	530
Benzo(K)fluoranthene	530
4-4'DDE	31
4-4'DDT	49

Legend:
MEF 231 - Background sample
MEF 232 - SE edge of foundry sand pile (S-2 on map)
MEF 233 - W edge of foundry sand pile (S-3 on map)
MEF 235 - N edge of foundry sand pile (S-5 on map)
(1) reported in parts per million
(2) reported in parts per billion

2

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IL-0244-05

REFERENCE #5

SITE NAME

SITE I CS-8303-1F

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	098090205

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Lo Bue #2	on Sauk Trail west of State

03 CITY	04 STATE	05 ZIP CODE	06 COUNTY	07 COUNTY CODE	08 CONG DIST
Chicago Heights	IL	60411	Cook	031	2

09 COORDINATES LATITUDE	LONGITUDE	10 TYPE OF OWNERSHIP (Check one)
41° 29' 0	87° 32' ?	☒ A. PRIVATE ☐ B. FEDERAL ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL ☐ F. OTHER ☐ G. UNKNOWN

III. INSPECTION INFORMATION

01 DATE OF INSPECTION (MONTH DAY YEAR)	02 SITE STATUS	03 YEARS OF OPERATION (BEGINNING YEAR / ENDING YEAR)
10 25 84	☒ ACTIVE ☐ INACTIVE	≈ 1970 / Present ___ UNKNOWN

04 AGENCY PERFORMING INSPECTION (Check all that apply)

☐ A. EPA ☒ B. EPA CONTRACTOR Ecology & Environment, Inc. (Name of firm) ☐ C. MUNICIPAL ☐ D. MUNICIPAL CONTRACTOR ___ (Name of firm)

☐ E. STATE ☐ F. STATE CONTRACTOR ___ (Name of firm) ☐ G. OTHER ___ (Specify)

05 CHIEF INSPECTOR	06 TITLE	07 ORGANIZATION	08 TELEPHONE NO.
Ron St. John	Hydrogeologist; FIT Member	Ecology & Environment, Inc.	(312) 663-9415
09 OTHER INSPECTORS	**10 TITLE**	**11 ORGANIZATION**	**12 TELEPHONE NO.**
Steven Nelson	Zoologist; FIT Member	Ecology & Environment, Inc.	(312) 663-9415
			( )
			( )
			( )
			( )

13 SITE REPRESENTATIVES INTERVIEWED	14 TITLE	15 ADDRESS	16 TELEPHONE NO.
Nick Lo Bue	Partner	344 E. 16th St. Chicago Heights, IL 60411	(312) 797-6666
			( )
			( )
			( )
			( )
			( )

17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CONDITIONS
☒ PERMISSION ☐ WARRANT	1100	Cool, Cloudy, light Breeze from S.W. Intermittent Rain

IV. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)	03 TELEPHONE NO.
Bonnie Eleder	I.E.P.A.	(312) 345-9780

04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM	05 AGENCY	06 ORGANIZATION	07 TELEPHONE NO.	08 DATE (MONTH DAY YEAR)
Steven Nelson	US EPA	E & E, Inc.	312/663-9415	11 1 84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980902050

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

- [X] A SOLID
- [X] B POWDER, FINES
- [ ] C SLUDGE
- [ ] E SLURRY
- [X] F LIQUID
- [ ] G GAS
- [X] D. OTHER Foundry Wastes (Specify)

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS _____
CUBIC YARDS 322,667
NO OF DRUMS _____

03 WASTE CHARACTERISTICS (Check all that apply)

- [X] A TOXIC
- [ ] B CORROSIVE
- [ ] C RADIOACTIVE
- [X] D. PERSISTENT
- [X] E SOLUBLE
- [ ] F. INFECTIOUS
- [X] G FLAMMABLE
- [X] H IGNITABLE
- [ ] I. HIGHLY VOLATILE
- [ ] J EXPLOSIVE
- [ ] K. REACTIVE
- [ ] L INCOMPATIBLE
- [ ] M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE	Unknown		
SOL	SOLVENTS	Unknown		Empty Drums (≈ 50 55 gal & 5 gal)
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS	Unknown		Empty Drums (≈ 150 55 gal)
BAS	BASES			
MES	HEAVY METALS	Unknown		Empty Drums, foundry wastes

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
OLW	State site inspection report 4-8-71		indicated this present on site		
SOL, ACD, MES	State site inspection reports noted the presence of drums on-site and being filled.				
	Site is permitted to accept foundry wastes (sand, slag, ash) and inert industrial wastes. Much of these wastes have been dumped into pits and buried. These are also piled on-site, and at present scavanging operations are being conducted to remove steel from waste piles. The above mentioned drums are reported to have been buried in the pits along with foundry and other industrial wastes.				

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E&E, Chicago RV FIT site inspection / interview, conducted by St. John & Nelson. 10-25-84

E&E, Chicago RV FIT Files

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980902050

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION — 02 [ ] OBSERVED (DATE _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 102,881 — 04 NARRATIVE DESCRIPTION
Site has accepted hazardous materials, and adequate containment is questionable. Soils at site are ≈ 35'-60' thick, composed of clays in upper layer, with ≈ 10' of silty loam overlying bedrock. Bedrock is Silurian Dolomite. Potential exists for contaminants to reach bedrock, and migrate thru solution cavities or fractures and enter aquifer. This potential, however, appears quite low.

01 [X] B. SURFACE WATER CONTAMINATION — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10,206 persons via Ini. — 04 NARRATIVE DESCRIPTION
On-site runoff sampled in 1982 showed high pH (=12.1) probably due to piles of foundry wastes. Also, drums observed on-site with contents spilled on ground. No runoff/runon diversion systems, or treatment are present. Runoff from site enters Third Creek, which is an intermittent stream. Also, as baseflow of Third Creek is probably due to ground water recharge, contaminants leached into groundwater, could enter stream. Third Creek flows into Deer Creek, which enters Thorn creek, which eventually flows to the Calumet River ≈ 8-9 mi. North.

01 [ ] C. CONTAMINATION OF AIR — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 [ ] D. FIRE/EXPLOSIVE CONDITIONS — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 [X] E. DIRECT CONTACT — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10,206 (1 mile) — 04 NARRATIVE DESCRIPTION
Site is accessable, but with difficulty. It is only fenced on the South side. Foundry wastes piled on site, and caustic (pH=12.1) runnoff has been observed on-site. 1982

01 [X] F. CONTAMINATION OF SOIL — 02 [ ] OBSERVED (DATE: _____) — [X] POTENTIAL — [ ] ALLEGED
03 AREA POTENTIALLY AFFECTED: ≈ 10 (Acres) — 04 NARRATIVE DESCRIPTION
Foundry wastes piled on surface could leach contaminants into soil. Wastes which were landfilled could contaminate soils also.

01 [X] G. DRINKING WATER CONTAMINATION — 02 [ ] OBSERVED (DATE _____) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 102,881 * — 04 NARRATIVE DESCRIPTION
Population in this area (area of site) is served by ground-water, drawn from the Silurian/Devonian Dolomite, at depth ranging from 100'-500'. The town of South Chicago Heights has one of its municipal wells located ≈ 0.2 mi. S.SW. of the site. Most communities wells are located to the N., W., or E. of the site, However, two (2) other communities within 3 mi. have wells to the S. of site. General groundwater flow is S. (See Ground water sec. A. above)

01 [ ] H. WORKER EXPOSURE/INJURY — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

01 [ ] I. POPULATION EXPOSURE/INJURY — 02 [ ] OBSERVED (DATE: _____) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ — 04 NARRATIVE DESCRIPTION
N/A

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* Note: Population shown for Groundwater, and Drinking Water sections above include all persons served by water drawn from wells located within 3 mi. of site.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980902050

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) — POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☐ K DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

N/A

01 ☐ L CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☒ M UNSTABLE CONTAINMENT OF WASTES (Spills, Runoff, Standing liquids, Leaking drums) — 02 ☒ OBSERVED (DATE: 1979, 1980) — ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 10,000 persons w/in 1mi. of site — 04 NARRATIVE DESCRIPTION 1981
Many drums at site, some with their contents (paint waste) spilled out on the ground, some with plastic liners apparently contained acid or other chemical wastes. Runoff on-site sampled had high pH (9/12.1) - 1982, probably due to piles of fly ash w/foundry wastes.

01 ☐ N DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☐ O CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) — ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

N/A

01 ☒ P ILLEGAL/UNAUTHORIZED DUMPING — 02 ☒ OBSERVED (DATE: 2/70) — ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION
Site origionally was an illegal open-dump. Recieved operating permit (state) but continued to accept unauthorized wastes (eg. drums with paint wastes etc.)

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

N/A

III. TOTAL POPULATION POTENTIALLY AFFECTED: 102,881 persons

IV. COMMENTS

Soils at the site are predominantly clays, and it appears that little or no ground-water flow occurs through the soil zone here, as evidenced by monitoring wells present. Previous inspections by I.E.P.A. found very little water in the S.W. monitoring well, the S.E. monitoring well was dry, and the N.W. monitoring well could not be located. The FIT inspection of 10-25-84 found the same conditions, even though surface conditions at the time were very wet.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E, Chicago RV FIT Site inspection/interview, conducted by St. John & Nelson. 10-25-84.
Telecom's, with local water supply officials. 10-31-84
Analysis of Internal water system in the City of Chicago Heights #81-110 by Robinson Engineering Co., LTD.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION
PART 4 - PERMIT AND DESCRIPTIVE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980902050

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
☐ A NPDES				
☐ B UIC				
☐ C AIR				
☐ D RCRA				
☐ E RCRA INTERIM STATUS				
☐ F SPCC PLAN				
☐ G STATE (Specify)	1975-64-OP	12-17-75	open	Permit for disposal of Foundry
☐ H LOCAL (Specify)				waste and Industrial refuse.
☐ I OTHER (Specify)				
☐ J NONE				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE
☐ A SURFACE IMPOUNDMENT		
☒ B. PILES	Unknown	
☐ C. DRUMS, ABOVE GROUND		
☐ D TANK, ABOVE GROUND		
☐ E. TANK, BELOW GROUND		
☒ F LANDFILL	≈ 322,667	cu yrds.
☐ G LANDFARM		
☐ H OPEN DUMP		
☐ I. OTHER (Specify)		

04 TREATMENT (Check all that apply): None
- ☐ A. INCENERATION
- ☐ B UNDERGROUND INJECTION
- ☐ C CHEMICAL/PHYSICAL
- ☐ D. BIOLOGICAL
- ☐ E WASTE OIL PROCESSING
- ☐ F. SOLVENT RECOVERY
- ☐ G. OTHER RECYCLING/RECOVERY
- ☐ H. OTHER (Specify)

05 OTHER
- ☐ A. BUILDINGS ON SITE

None

06 AREA OF SITE: ≈ 29 (Acres)

10 acers filled.

07 COMMENTS: Site is old brickyard. Pits were origionally dug for clay to use in bricks. Origional pits were enlarged and additional pits were dug for clay and to accomodate additional wastes. Wastes were dumped into pits and covered, reportedly, with 3'-5' of clay. Foundry wastes have been filled and piled on surface. Drums, reportedly empty, have also been buried in pits, along with miscellaneous construction debris and other refuse.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

☐ A. ADEQUATE, SECURE ☒ B. MODERATE ☐ C. INADEQUATE, POOR ☐ D. INSECURE, UNSOUND, DANGEROUS

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC. Drums, reportedly empty, were buried on-site. State site inspections in 1979, 1980, 1981 report observing many drums on-site, some with their contents (paint waste) spilled on the ground. No surface water diversion systems are present. Runnoff on-site observed with high pH (≈12.1), probably due to piles of foundry wastes (w/fly ash). No liners or leachate control systems present, however site is underlain by clay soils reported to be ≈ 20'-30' thick.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: ☐ YES ☒ NO

02 COMMENTS: Site is fenced on South side bordering Sauk Trail. West side is bordered by railroad embankment. North of site is sanitary dist. sludge pits and east is farm field. Majority of wastes are buried, however foundry wastes are piled on surface. Access can be gained with difficulty by entering from the North East or West.

VI. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

E & E, Chicago RV FIT site inspection/interview, conducted by St. John & Nelson, 10-25-84.

E & E, Chicago RV FIT Files.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980902050

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY (Check as applicable)	SURFACE	WELL	02 STATUS			03 DISTANCE TO SITE
			ENDANGERED	AFFECTED	MONITORED	
COMMUNITY	A. ☐	B. ☒	A. ☐	B. ☐	C. ☒	A. 0.2 (mi)
NON-COMMUNITY	C. ☐	D. ☒	D. ☒	E. ☐	F. ☐	B. ≈1.0 (mi)

Potentially

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY (Check one)

☒ A. ONLY SOURCE FOR DRINKING ☐ B. DRINKING (Other sources available) COMMERCIAL, INDUSTRIAL, IRRIGATION (No other water sources available) ☐ C. COMMERCIAL, INDUSTRIAL, IRRIGATION (Limited other sources available) ☐ D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 102,881 persons

03 DISTANCE TO NEAREST DRINKING WATER WELL 0.2 (mi)

04 DEPTH TO GROUNDWATER	05 DIRECTION OF GROUNDWATER FLOW	06 DEPTH TO AQUIFER OF CONCERN	07 POTENTIAL YIELD OF AQUIFER	08 SOLE SOURCE AQUIFER
≥35 (ft)	S	≈200 (ft)	Unknown (gpd)	☒ YES ☐ NO

09 DESCRIPTION OF WELLS (Including usage, depth, and location relative to population and buildings) Three monitoring wells exist on-site, one could not be located, one was dry, one contained very little water. These are set at surface of bedrock. Soils in this area are Silty Clay loams → Silty loams. Bedrock is Dolomite of Silurian Age and is encountered at ≈ 35'-60'. Wells in this area draw from Silurian/Devonian aquifer at ≈ 100'-500' depths. Some community wells may draw from multiple aquifers and have depths of up to 2,000'.

10 RECHARGE AREA: ☐ YES ☒ NO — COMMENTS

11 DISCHARGE AREA: ☒ YES ☐ NO — COMMENTS Assume base-flow of creek is due to ground water discharge. Creek elevation = 585' MSL.

IV. SURFACE WATER

01 SURFACE WATER USE (Check one)

☒ A. RESERVOIR, RECREATION DRINKING WATER SOURCE ☐ B. IRRIGATION, ECONOMICALLY IMPORTANT RESOURCES ☐ C. COMMERCIAL, INDUSTRIAL ☐ D. NOT CURRENTLY USED

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	Potentially AFFECTED	DISTANCE TO SITE
Third Creek on Western Border of Site	☒	<0.1 (mi)
Sauk Trail Lake	☐	1-5 (mi)
Deer Lake	☐	2.0 (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN

ONE (1) MILE OF SITE	TWO (2) MILES OF SITE	THREE (3) MILES OF SITE
A. 10206 NO. OF PERSONS	B. 32790 NO. OF PERSONS	C. 63,516 NO. OF PERSONS

02 DISTANCE TO NEAREST POPULATION 0.5 (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE 8629

04 DISTANCE TO NEAREST OFF-SITE BUILDING 0.2 (mi)

05 POPULATION WITHIN VICINITY OF SITE (Provide narrative description of nature of population within vicinity of site, e.g., rural, village, densely populated urban area)

Site is located in non-residential area. Commercial, Industrial areas lie within 0.5 mi. Residential areas begin ≈ 0.5 mi from site. To the North, South, and West population is urban and relatively dense. To the East, the population rural and sparse for the most part, however Sauk Village is present @ 23 mi East of site. Here population is urban.

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 5 - WATER, DEMOGRAPHIC, AND ENVIRONMENTAL DATA

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980902050

VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

☒ A. 10^{-6} – 10^{-8} cm/sec ☐ B. 10^{-4} – 10^{-6} cm/sec ☐ C. 10^{-4} – 10^{-3} cm/sec ☐ D GREATER THAN 10^{-3} cm/sec

Clays

02 PERMEABILITY OF BEDROCK (Check one)

☐ A. IMPERMEABLE (Less than 10^{-6} cm sec) ☒ B. RELATIVELY IMPERMEABLE (10^{-4} – 10^{-6} cm sec) ☐ C. RELATIVELY PERMEABLE (10^{-2} – 10^{-4} cm sec) ☐ D. VERY PERMEABLE (Greater than 10^{-2} cm sec)

Dolomite

03 DEPTH TO BEDROCK	04 DEPTH OF CONTAMINATED SOIL ZONE	05 SOIL pH
≈30 - 60 (ft)	unknown (ft)	6.1 - 7.3

06 NET PRECIPITATION	07 ONE YEAR 24 HOUR RAINFALL	08 SLOPE: SITE SLOPE	DIRECTION OF SITE SLOPE	TERRAIN AVERAGE SLOPE
2.0 (in)	2.5 (in)	3 - 6 %	W. N. W.	3 - 3 %

09 FLOOD POTENTIAL

SITE IS IN N/A YEAR FLOODPLAIN

10 ☐ SITE IS ON BARRIER ISLAND, COASTAL HIGH HAZARD AREA, RIVERINE FLOODWAY

N/A

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE: A. N/A (mi) OTHER: B. 2.1 (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species): >3.0 (mi)

ENDANGERED SPECIES: N/A

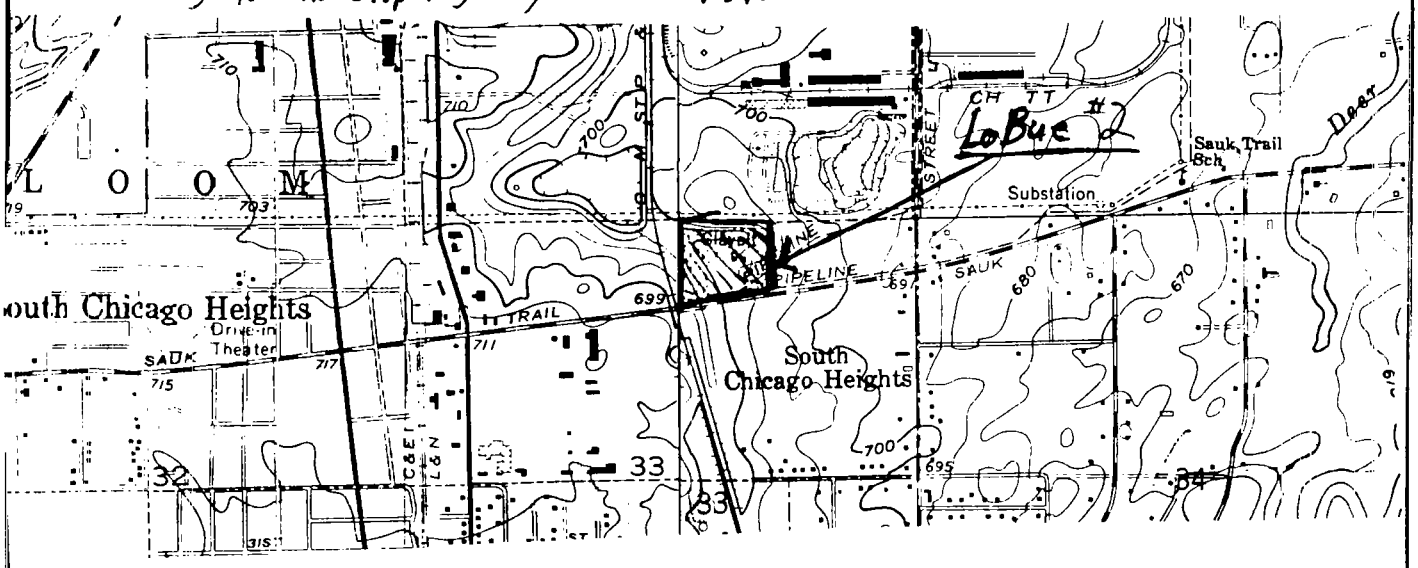
13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL	RESIDENTIAL AREAS; NATIONAL/STATE PARKS, FORESTS, OR WILDLIFE RESERVES	AGRICULTURAL LANDS: PRIME AG LAND	AG LAND
A. 0.5 (mi)	B. 0.5 (mi)	C. 0.1 (mi)	D. – (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Surrounding terrain slopes gently to the N.N.W.



VII. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E, Chicago RI FIT Files.
Soil Survey of DuPage and Part of Cook Counties, Illinois
Climatic Atlas of the United States

EPA FORM 2070-13 (7-81)

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POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 6 - SAMPLE AND FIELD INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980902050

II. SAMPLES TAKEN

SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER		No Samples Taken	
SURFACE WATER			
WASTE			
AIR			
RUNOFF			
SPILL			
SOIL			
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN

01 TYPE	02 COMMENTS
h. Nu	No readings above background.

IV. PHOTOGRAPHS AND MAPS

01 TYPE ☐ GROUND ☐ AERIAL

02 IN CUSTODY OF _____ (Name of organization or individual)

03 MAPS ☒ YES ☐ NO

04 LOCATION OF MAPS E & E, Chicago Region V FIT Files

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

None

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E, Chicago RV FIT, Site Inspection, conducted by St. John & Nelson and interview with site representatives. 10-25-84.

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 7 - OWNER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980902050

II. CURRENT OWNER(S)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE
Lo Bue, Inc.		344 E. 16th St.		Chicago Heights	IL	60411

PARENT COMPANY (If applicable)

08 NAME	09 D+B NUMBER	10 STREET ADDRESS (P.O. Box, RFD #, etc.)	11 SIC CODE	12 CITY	13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

IV. REALTY OWNER(S) (If applicable, list most recent first)

01 NAME	02 D+B NUMBER	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	05 CITY	06 STATE	07 ZIP CODE

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E, Chicago RV FIT, Site inspection/interview, Conducted by St. John & Nelson. 10-25-89

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 8 - OPERATOR INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980902050

II. CURRENT OPERATOR (Provide if different from owner)

01 NAME: Lo Bue, Inc.	02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.): 344 E. 16th St.	04 SIC CODE:
05 CITY: Chicago Heights	06 STATE: IL / 07 ZIP CODE: 60411
08 YEARS OF OPERATION: ≈ 14 yrs.	09 NAME OF OWNER: LoBue Family

OPERATOR'S PARENT COMPANY (If applicable)

10 NAME:	11 D+B NUMBER:
12 STREET ADDRESS (P.O. Box, RFD #, etc.):	13 SIC CODE:
14 CITY:	15 STATE: / 16 ZIP CODE:

III. PREVIOUS OPERATOR(S) (List most recent first, provide only if different from owner)

01 NAME:	02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.):	04 SIC CODE:
05 CITY:	06 STATE: / 07 ZIP CODE:
08 YEARS OF OPERATION:	09 NAME OF OWNER DURING THIS PERIOD:

PREVIOUS OPERATORS' PARENT COMPANIES (If applicable)

10 NAME:	11 D+B NUMBER:
12 STREET ADDRESS (P.O. Box, RFD #, etc.):	13 SIC CODE:
14 CITY:	15 STATE: / 16 ZIP CODE:

01 NAME:	02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.):	04 SIC CODE:
05 CITY:	06 STATE: / 07 ZIP CODE:
08 YEARS OF OPERATION:	09 NAME OF OWNER DURING THIS PERIOD:

10 NAME:	11 D+B NUMBER:
12 STREET ADDRESS (P.O. Box, RFD #, etc.):	13 SIC CODE:
14 CITY:	15 STATE: / 16 ZIP CODE:

01 NAME:	02 D+B NUMBER:
03 STREET ADDRESS (P.O. Box, RFD #, etc.):	04 SIC CODE:
05 CITY:	06 STATE: / 07 ZIP CODE:
08 YEARS OF OPERATION:	09 NAME OF OWNER DURING THIS PERIOD:

10 NAME:	11 D+B NUMBER:
12 STREET ADDRESS (P.O. Box, RFD #, etc.):	13 SIC CODE:
14 CITY:	15 STATE: / 16 ZIP CODE:

IV. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E, Chicago RI FIT, Site inspection/interview, conducted by St. John & Nelson. 10-25-84

EPA FORM 2070-13 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 9 - GENERATOR/TRANSPORTER INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
IL	D980902050

II. ON-SITE GENERATOR

01 NAME	02 D+B NUMBER

03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE

05 CITY	06 STATE	07 ZIP CODE

III. OFF-SITE GENERATOR(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Columbia Tool Steel Co.		Thrall Car Mfg. Co.	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
Lincoln Highway		West 26th St. & State	
05 CITY / 06 STATE / 07 ZIP CODE		05 CITY / 06 STATE / 07 ZIP CODE	
Chicago Heights / IL / 60411		Chicago Heights / IL / 60411	
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
Stauffer Chemical Co.		Amsco	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
East 11th St. & Arnold		No current address	
05 CITY / 06 STATE / 07 ZIP CODE		05 CITY / 06 STATE / 07 ZIP CODE	
Chicago Heights / IL / 60411		Chicago Heights	

IV. TRANSPORTER(S)

01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
LoBue, Inc.			
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
344 E. 16th St.			
05 CITY / 06 STATE / 07 ZIP CODE		05 CITY / 06 STATE / 07 ZIP CODE	
Chicago Heights / IL / 60411			
01 NAME	02 D+B NUMBER	01 NAME	02 D+B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)	04 SIC CODE
05 CITY / 06 STATE / 07 ZIP CODE		05 CITY / 06 STATE / 07 ZIP CODE	

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

E & E, Chicago RI FIT, site inspection/interview, conducted by St. John & Nelson. 10-25-84

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980902050

II. PAST RESPONSE ACTIVITIES

01 ☐ A. WATER SUPPLY CLOSED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ B. TEMPORARY WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ C. PERMANENT WATER SUPPLY PROVIDED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ D. SPILLED MATERIAL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ E. CONTAMINATED SOIL REMOVED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ F. WASTE REPACKAGED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ G. WASTE DISPOSED ELSEWHERE — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ H. ON SITE BURIAL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ I. IN SITU CHEMICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ J. IN SITU BIOLOGICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ K. IN SITU PHYSICAL TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ L. ENCAPSULATION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ M. EMERGENCY WASTE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ N. CUTOFF WALLS — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ O. EMERGENCY DIKING/SURFACE WATER DIVERSION — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ P. CUTOFF TRENCHES/SUMP — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

01 ☐ Q. SUBSURFACE CUTOFF WALL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION: No

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 10 - PAST RESPONSE ACTIVITIES

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980902050

II PAST RESPONSE ACTIVITIES *(Continued)*

01 ☐ R. BARRIER WALLS CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

01 ☐ S. CAPPING/COVERING — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

01 ☐ T. BULK TANKAGE REPAIRED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

01 ☐ U. GROUT CURTAIN CONSTRUCTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

01 ☐ V. BOTTOM SEALED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

01 ☐ W. GAS CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

01 ☐ X. FIRE CONTROL — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

01 ☐ Y. LEACHATE TREATMENT — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

01 ☐ Z. AREA EVACUATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

01 ☐ 1. ACCESS TO SITE RESTRICTED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

01 ☐ 2. POPULATION RELOCATED — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

01 ☐ 3. OTHER REMEDIAL ACTIVITIES — 02 DATE _____ — 03 AGENCY _____
04 DESCRIPTION No

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

E&E, Chicago RI FIT, site inspection/interview, conducted by St. John & Nelson. 10-25-84
E&E, Chicago RI FIT files.

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT
PART 11 - ENFORCEMENT INFORMATION

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
IL	D980902050

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION ☒ YES ☐ NO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

In 1972 IEPA charged LoBue, Inc. with disposal of refuse without permit and alleged disposal of oils and hazardous materials without approval. I.E.P.A. then ordered LoBue, Inc. To apply for a state permit.

III. SOURCES OF INFORMATION *(Cite specific references, e.g., state files, sample analysis, reports)*

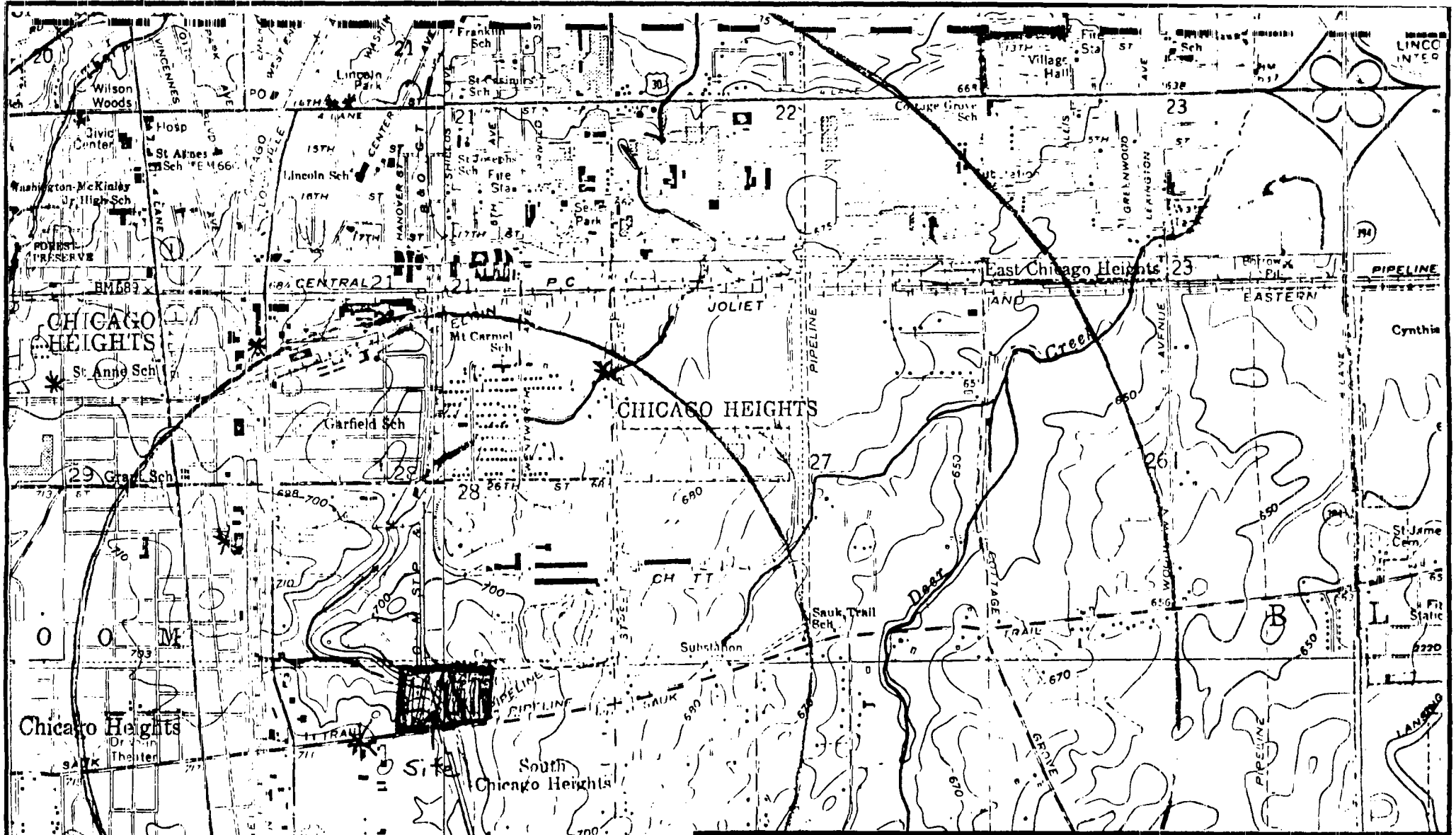
E & E, Chicago RV FIT Files.

	High	Moderate	Low
Fire and Explosion Hazard			
Flammable Materials			NA
Explosives			NA
Incompatable Chemicals			NA
Direct Contact with Acutely Toxic Chemicals			
Site Security			NA
Leaking Drums or Tanks			NA
Open Lagoons or pits			NA
Materials on Surface			NA
Proximity of Population			NA
Evidence of Casual Site Use			NA
Contaminated Water Supply			
Exceeds 10 Day Snarl			NA
Gross Taste or Odors			NA
Alternate Water Available			NA
Potential Contamination			NA

Is the site abandoned or active?

3

Cardinal



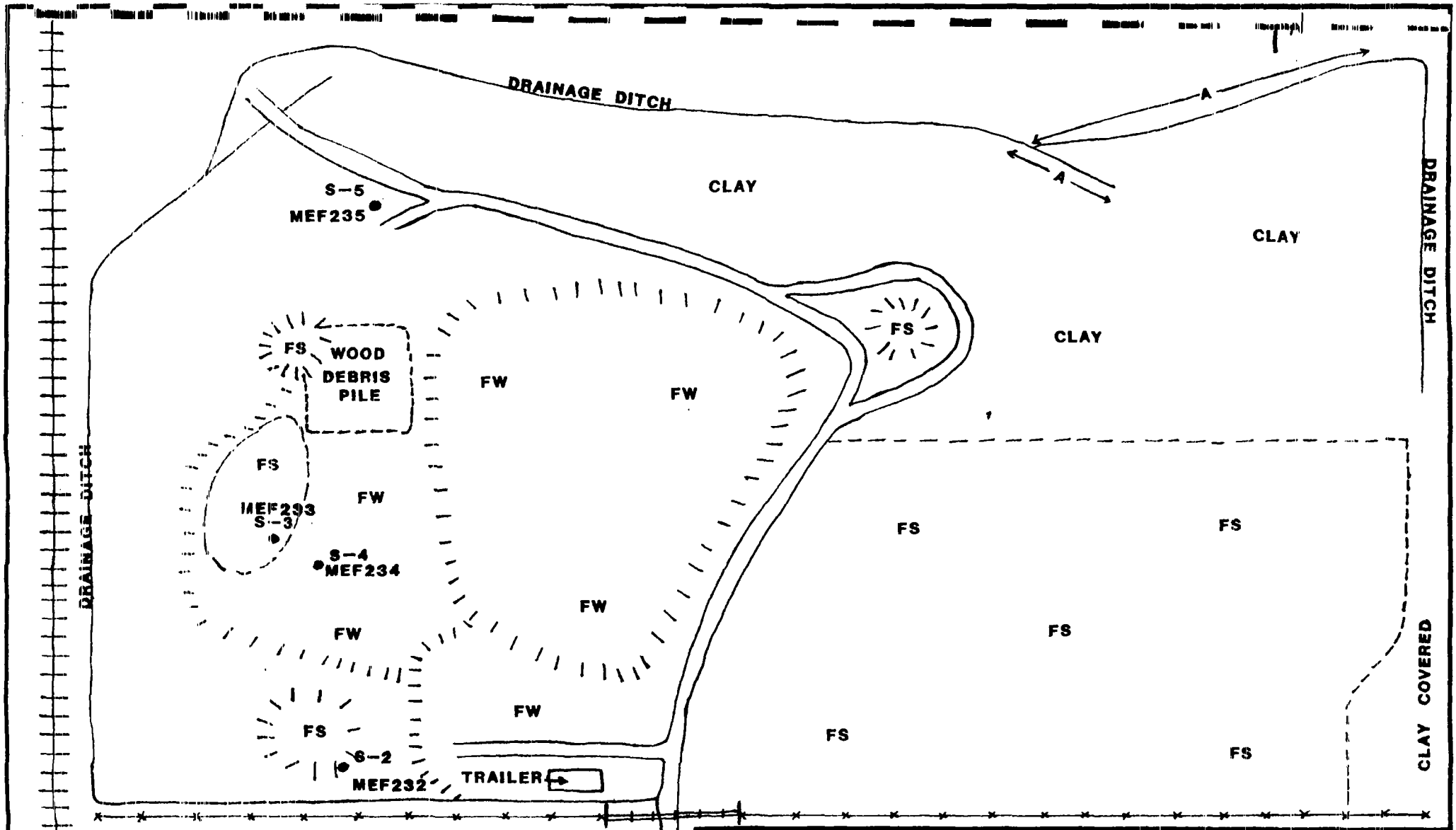
ecology and environment, inc.
111 WEST JACKSON BOULEVARD
CHICAGO, IL 60604

SCALE: 1 : 24000	DYER & STEGER QUADS	DRAWN BY
DATE: 1973		REVISED

LO BUE # 2

TDD # R05-8303-01F

DRAWING NUMBER



SAUK TRAIL ROAD

LEGEND

FS - FOUNDRY SAND PILE

FW - FOUNDRY WASTE STOCKPILE

A - SOLID WASTE AND DIRT PILES

ecology and environment, inc.
111 WEST JACKSON BOULEVARD
CHICAGO, IL 60604

SCALE: NO SCALE		DRAWN BY SEK
DATE: 1-14-86		REVISED

LoBue # 2

TDD # R05-8303-01F

DRAWING NUMBER

4

al

INTRODUCTION TO DATA TABLES

A SUMMARY OF THE ANALYTICAL RESULTS FOR SAMPLES WHICH WERE TAKEN DURING FIELD ACTIVITIES CAN BE FOUND IN THE FOLOWING TABLES. ONLY DETECTABLE CONCENTRATIONS ARE REPORTED, HOWEVER, IF THE COMPOUND HAS A FOOTNOTE FOLLOWING THE VALUE, CONSULT THE DEFINITION OF THE FOOTNOTE PROVIDED BELOW. ADDITIONAL QA/QC INFORMATION IS PROVIDED IN THE ATTACHED DATA SHEETS.

I) REPORTING UNITS
- A) ORGANICS
  - 1) Water Samples - ug/l or ppb (parts per billion)
  - 2) Soils or Sediments - ug/kg or ppb (parts per billion)
- B) METALS
  - 1) Water Samples - ug/l or ppb
  - 2) Soils or sediments - mg/kg or ppm

II) DEFINITION OF FOOTNOTES TO ANALYTICAL DATA

A) ORGANICS

Footnote	Definition	Interpretation
UJ	Detection Limit (D.L.) is estimated because of a Quality Control (QC) protocol. D.L. is possibly above or below Contract Required Detection Limit (CRDL).	Compound was not detected
UB	Compound found in laboratory blank. No Value above CRDL.	Compound was not detected
UJB	Compound found in laboratory blank, but not detected in sample. CRDL is estimated because of a QC protocol.	Compound was not detected
B	Compound found in blank. Two interpretations are possible:	
	a) If sample value is equivalent to D.L. to 5x blank concentration	Compound value is semi-quantitative.
	b) If sample value is greater than 5x the blank concentration	Compound value is quantitative
JB	Compound found in blank, value is estimated because of QC protocol.	Compound value is semi-quantitative
R	Do Not Use Value. Major Violation of QC Protocol	Compound value is not usable.
C	Value adjusted for blank (an unacceptable procedure)	Compound value is semi-quantitative
J	Value is above CRDL and is an estimated value because of a QC protocol	Compound value is semi-quantitative
Q	No Analytical Result	Compound was not detected
N	Presumptive evidence for the presence of a compound as used for a Tentatively Identified Compound (TIC)	Compound value is semi-quantitative

B) METALS

FOOTNOTE	DEFINITION	INTERPRETATION
E	Estimated or not reported due to interference. See laboratory narrative.	Compound or element was not detected or value is semi-quantitative
s	Analysis by Method of Standard Additions (Look for a "+" Footnote)	Value is quantative
R	Spike recoveries outside QC protocols which indicates a possible matrix problem. Data may be biased high or low. See spike results and laboratory narrative.	Value may be quantitative or semiquantitative
*	Duplicate value outside QC protocols which indicates a possible matrix problem	Value is semiquantitative
+	Correlation coefficient for standard additions is less than 0.995. See review and laboratory narrative.	Data value is biased
[ ]	Value is real, but is above instrument D.L. and below CRDL	Value may be quantitative or semiquantitative
UJ	D.L. is estimated because of a QC protocol. D.L. is possibly above or below CRDL.	Compound or element was not detected
J	Value is above CRDL and is an estimated value because of a QC protocol.	Value is semiquantitative

	ITC	MEF 231	MEF 232	MEF 233	MEF 234	MEF 235						
	OTC	EF 394	EF 395	EF 396	EF 397	EF 901						
	SAMPLE											
COMPOUND												
chloromethane												
bromomethane												
vinyl chloride												
chloroethane												
methylene chloride		7.0 B	4000 B	140 B	52 B	65 B						
acetone		16.0 B	450 B	9.2 JB	130 B	7.0 JB						
carbon disulfide												
1,1-dichloroethene												
1,1-dichloroethane												
trans-1,2,-dichloroethene												
chloroform												
1,2-dichloroethane												
2-butanone												
1,1,1-trichloroethane												
carbon tetrachloride												
vinyl acetate												
bromodichloromethane												
1,1,2,2-tetrachloroethane												
1,2-dichloropropane												
trans-1,3-dichloropropene												
trichloroethene												
dibromochloromethane												
1,1,2-trichloroethane												
benzene												
cis-1,3-dichloropropene												
2-chloroethylvinylether												
bromoform												
2-hexanone												
4-methyl-2-pentanone												
tetrachloroethene												
toluene												
chlorobenzene												
ethylbenzene												
styrene												
total xylenes												
N-nitrosodimethylamine												
phenol												
aniline												
bis(2-chloroethyl)ether												
2-chlorophenol												
1,3-dichlorobenzene												
1,4-dichlorobenzene												
benzyl alcohol												
1,2-dichlorobenzene												
2-methylphenol												
bis(2-chloroisopropyl)ether												
4-methylphenol												
N-nitroso-di-n-propylamine												
hexachloroethane												
nitrobenzene												
isophrone												
2-nitrophenol												
2,4-dimethylphenol												
benzoic acid												
bis(2-chloroethoxy)methane												
2,4-dichlorophenol												
1,2,4-trichlorobenzene												
napthalene												
4-chloroaniline												
hexachlorobutadiene												
4-chloro-3-methylphenol												
2-methylnapthalene												
hexachlorocyclopentadiene												
2,4,6-trichlorophenol												
2,4,5-trichlorophenol												
2-chloronaphthalene												
2-nitroaniline												
dimethyl phthalate												
acenapthylene												
3-nitroaniline												
acenaphthene												
2,4-dinitrophenol												
4-nitrophenol												
dibenzofurnan												
2,4-dinitrotoluene												
2,6-dinitrotoluene												
diethylphthalate												
4-chlorophenyl-phenylether												
flourene												
4-nitroaniline												
4,6-dinitro-2-methylphenol												
N-nitrosodiphenylamine												
4-bromophenyl-phenylether												
hexachlorobenzene												

STATE Illinois SITE LaBuc #2 TDD R05-8303-01F PAGE 1 OF 2, SET # 1

COMPOUND	ITC	MEF 231	MEF 232	MEF 233	MEF 234	MEF 235						
	OTC	EF 394	EF 395	EF 396	EF 397	EF 901						
	SAMPLE											
pentachlorophenol												
phenanthrene						540						
anthracene												
di-n-butylphthalate			210 J									
fluoranthene					380 J	1000						
benzidine												
pyrene					260 J	610						
butylbenzylphthalate						160 J						
3,3'-dichlorobenzidine												
benzo(a)anthracene						300 J						
bis(2-ethylhexyl)phthlate						210 J						
chrysene						360						
di-n-octyl phthlate												
benzo(bkk)fluoranthene						530						
benzo(a)pyrene						200 J						
indeno(1,2,3-cd)pyrene												
dibenzo(a,h)anthracene												
benzo(g,h,i)perylene												
alpha-BHC												
beta-BHC												
delta-BHC												
gamma-BHC(lindane)												
heptachlor												
aldrin												
heptachlor epoxide												
endosulfan I												
dieldrin												
4,4'-DDE						31.						
endrin												
endosulfan II												
4,4'-DDD												
endrin aldehyde												
endosulfan sulfate												
4,4'-DDT						49.						
methoxychlor												
endrin ketone												
chlorodane												
toxaphene												
Aroclor-1016												
Aroclor-1221												
Aroclor-1232												
Aroclor-1242												
Aroclor-1248												
Aroclor-1254												
Aroclor-1260												
ELEMENT												
aluminum		8040	5850	3050	3560	4340						
antimony												
arsenic		9.3	104	20		14						
barium		126	334	[110]	[35]	[54]						
beryllium			4	6								
cadmium				3		.5						
calcium		3330	9790	4120	127000	24400						
chromium		8 *	16 *	[6] *	32 *	18 *						
cobalt		[9]	[31]	[31]	[8]	[14]						
copper			128	56		33						
iron		11600	8480	4730	5220	13100						
lead		9.2	173	89	[1.9]	177						
magnesium		[1740]	[1150]		2220	12000						
manganese		702	56	21	61	484						
mercury		[.10]	0.41	0.20		0.16						
nickel		[19]	100	90	[15]	41						
potassium		[1360]	[889]	[845]								
selenium												
silver												
sodium				4540	44400							
thallium			[2.2]	[2.1]								
tin												
vanadium		29	47	40	[25]	[19]						
zinc		38	498	754	72	707						
cyanide CHECK IF ANALYZED ( )												
TENTATIVELY IDENTIFIED ORGANICS												

STATE Illinois SITE LoBue #2 TDD R05-8303-01F PAGE 2 OF 2, SET # 1

ecology and environment, inc.
223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663 9415
International Specialists in the Environmental Sciences

Date Received for Review: 8/4/85 Date Review Completed: 8/8/85

To: Pat Blake

From: Cynthia Bachunas / ARIENE PRATT

Subject: Site Bee #2 / RCS-8303-01F SLL

Sample Description: CASE # 4652 Soil Vol Organics

Project Data Status: Case Narrative, Soil Vol Organics

FIT Data Review Findings:

See attached QC review.

Additional Comments:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 8-9-85

FROM: Review of Region V CLP Data Received for Review on 8/8/85

TO: Curtis Ross, Director (SSCRL) Central Regional Laboratory Jay Thurber

BY: Data User: FK

We have reviewed the data for the following case(s).

SITE NAME: LaBue #2 SMO Case No. 4652

EPA Data Set No. SF 2481 No. of Samples: 5 D.U./Activity Numbers X9051 C48500

CRL No. 85F510522 - 85F510526

SMO Traffic No. MEF 231 - MEF 235

CLP Laboratory: STC Hrs. Required for Review: 3 hrs

Following are our findings. This review covers five low soil samples submitted for IFB metals analysis.

The spike analysis for Sb (42%) gave low results as shown; the detection limits reported for this element may be elevated.

The duplicate analysis of Cr gave an RPD of 98% indicating a lack of precision in the Cr data.

All other Q.C. audit data are acceptable.

RECEIVED AUG 9 1985

( ) Data are acceptable for use. Dean O. Smith 8-9-85
(X) Data are acceptable for use with qualifications noted above.
( ) Data are preliminary - pending verification by Contractor Laboratory.
( ) Data are unacceptable.

cc: Dr. Alfred Haeberer/Joan Fisk/Gary Ward, EPA Support Services
Ross K. Robeson, EMSL-Las Vegas
Don Trees, CLP/Sample Management Office

EPA FORM 1320-6 (REV 3-76)

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

Date 8/5/85

COVER PAGE
INORGANIC ANALYSES DATA PACKAGE

Lab Name JTC Environmental Consultants Case No. 4652

SOW No. 784 Q.C. Report No. 206

Sample Numbers

EPA No.	Lab ID No.	EPA No.	Lab ID No.
MEF231	73-2081		
232	-2082		
233	-2083		
234	-2084		
235	-2085		
~~236~~			

Comments:

RECEIVED AUG 9 1985

ICP Interelement and background corrections applied? Yes ✓ No ___.

If yes, corrections applied before ✓ or after ___ generation of raw data.

Footnotes:

R - not required by contract at this time

Form I:

Value - If the result is a value greater than or equal to the instrument detection limit but less than the contract required detection limit, report the value in brackets (i.e., [10]). Indicate the analytical method used with P (for ICP), A (Flame AA), or F (Furnace AA)

U - Indicates element was analyzed for but not detected. Report with the instrument detection limit value (e.g., 10U).

E - Indicates a value estimated or not reported due to the presence of interference. Explanatory note included on cover page.

- Indicates value determined by Method of Standard Addition.

R - Indicates spike sample recovery is not within control limits.

* - Indicates duplicate analysis is not within control limits.

+ - Indicates the correlation coefficient for method of standard addition is less than 0.995

Form I A

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

85F510522
EPA Sample No.
MEF231

Date 8/5/85

INORGANIC ANALYSIS DATA SHEET

LAB NAME JTC Environmental Cnslts. CASE NO. 4652

SOW NO. 784

LAB SAMPLE ID. NO. 73-2081 QC REPORT NO. 206

Elements Identified and Measured

Concentration: Low ✓ Medium ____

Matrix: Water ____ Soil ✓ Sludge ____ Other ____

RECEIVED AUG 9 1985

ug/L or mg/kg dry weight (Circle One)

1.	Aluminum	8040	P	13.	Magnesium	[1740]	P
2.	Antimony	29U R	P	14.	Manganese	702	P
3.	Arsenic	9.3	F	15.	Mercury	[.10]	Cold.V.
4.	Barium	126	P	16.	Nickel	[19]	P
5.	Beryllium	2.4U	P	17.	Potassium	[1360]	A
6.	Cadmium	2.2U	P	18.	Selenium	2.4U	F
7.	Calcium	3330	P	19.	Silver	3.5U	P
8.	Chromium	8 *	P	20.	Sodium	1910U	P
9.	Cobalt	[9]	P	21.	Thallium	1.2U	F
10.	Copper	12U	P	22.	Tin	17U	P
11.	Iron	11600	P	23.	Vanadium	29	P
12.	Lead	9.2	F	24.	Zinc	38	P

Cyanide N.R. Auto An Percent Solids (%) 80.61

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments:

Lab Manager MH [illegible]

Form I

EPA Contract Laboratory Program
le Management Office
box 818 - Alexandria, VA 22313
/557-2490 FTS: 8-557-2490

85E510523
EPA Sample No.
MEF922

Date 8/5/85

INORGANIC ANALYSIS DATA SHEET

NAME JTC Environmental Cnslts.

CASE NO. 4652

NO. 784

SAMPLE ID. NO. 73-2082

QC REPORT NO.

Elements Identified and Measured

ration: Low ✓ Medium

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Water Soil ✓ Sludge Other

ug/L or mg/kg dry weight (Circle One)

	...inum	5850	P	13.	Magnesium	[1150]	P
	...imony	314 R	✓ P	14.	Manganese	56	P
	...enic	104	✓ F	15.	Mercury	0.41	Cold.V.
	...ium	334	P	16.	Nickel	100	P
	...ylliu~~m~~	~~2.6~~ 4	✓ P	17.	Potassium	[889]	A
	...ium	2.4U	P	18.	Selenium	17U	F
	...ium	9790	P	19.	Silver	3.8U	P
	...ium	16 *	✓ P	20.	Sodium	2040U	P
	...lt	[31]	✓ P	21.	Thallium	[2.2]	F
	...er	128	✓ P	22.	Tin	19U	P
		8480	P	23.	Vanadium	47	P
		173	✓ F	24.	Zinc	498	P
		N.R.	Auto An		Percent Solids (%)	75.32	

...: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Lab Manager MH for EB

Form I C

U. S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

85F510524
EPA Sample No.
MEF233

Date 8/5/85

INORGANIC ANALYSIS DATA SHEET

LAB NAME JTC Environmental Cnslts. CASE NO. 4652

SDG NO. 784

LAB SAMPLE ID. NO. 73-2083 QC REPORT NO. 206

Elements Identified and Measured

Concentration: Low ✓ Medium RECEIVED AUG 9 1985

Matrix: Water ____ Soil ✓ Sludge ____ Other ____

ug/L or mg/kg dry weight (Circle One)

1.	Aluminum	3050	P	13.	Magnesium	7321	P
2.	Antimony	30UR	P	14.	Manganese	21	P
3.	Arsenic	20	F	15.	Mercury	.20	Cold.V.
4.	Barium	[110]	P	16.	Nickel	90	P
5.	Beryllium	6	P	17.	Potassium	[845]	A
6.	Cadmium	3	P	18.	Selenium	2.4U	F
7.	Calcium	4120	P	19.	Silver	3.6U	P
8.	Chromium	[6] *	P	20.	Sodium	4540	P
9.	Cobalt	[3]	P	21.	Thallium	[2.1]	F
10.	Copper	56	P	22.	Tin	18U	P
11.	Iron	4730	P	23.	Vanadium	40	P
12.	Lead	89	F	24.	Zinc	754	P

Cyanide N.R. Auto An Percent Solids (%) 79.21

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments:

Lab Manager MH for GD

Form 1 (1)

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

85F510525
EPA Sample No.
MEF234

Date 8/5/85

INORGANIC ANALYSIS DATA SHEET

LAB NAME JTC Environmental Cnslts. CASE NO. 4652

SOW NO. 784

LAB SAMPLE ID. NO. 73-2084 QC REPORT NO. 20C

RECEIVED AUG 9 1985

Elements Identified and Measured

Concentration: Low ✓ Medium ____

Matrix: Water ____ Soil ✓ Sludge ____ Other ____

ug/L or ug/kg dry weight (Circle One)

1.	Aluminum	3560	P	13.	Magnesium	2220	P
2.	Antimony	37UR	P	14.	Manganese	61	P
3.	Arsenic	5.2U	F	15.	Mercury	.10U	Cold.V.
	Barium	[35]	P	16.	Nickel	[15]	P
5.	Beryllium	3.1U	P	17.	Potassium	816U	A
6.	Cadmium	2.8U	P	18.	Selenium	3.0U	F
7.	Calcium	127000	P	19.	Silver	4.5U	P
8.	Chromium	32	P	20.	Sodium	44400	P
9.	Cobalt	[8]	P	21.	Thallium	39U	F
10.	Copper	16U	P	22.	Tin	22U	P
11.	Iron	5220	P	23.	Vanadium	[25]	P
12.	Lead	[1.9]	F	24.	Zinc	72	P

Cyanide N.R. Auto An Percent Solids (%) 63.70

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: ____

Lab Manager MH for GD

Form I E

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

85F510526
EPA Sample No.
MEF035

Date 8/5/85

INORGANIC ANALYSIS DATA SHEET

LAB NAME JTC Environmental Cnslts. CASE NO. 4652

SOW NO. 784

LAB SAMPLE ID. NO. 73-2085 QC REPORT NO. 206

Elements Identified and Measured

Concentration: Low ✓ Medium ____

Matrix: Water ____ Soil ✓ Sludge ____ Other ____

RECEIVED AUG 9 1985

ug/L or mg/kg dry weight (Circle One)

	Aluminum	4340	P	13.	Magnesium	12000	P
	Antimony	24 U R	P	14.	Manganese	484	P
✓	Arsenic	14	F	✓15.	Mercury	.16	Cold.V.
	Barium	[54]	P	✓16.	Nickel	41	P
✓	Beryllium	2.1 U	P	17.	Potassium	534 U	A
✓	Cadmium	5	P	✓18.	Selenium	2.0 U	F
	Calcium	24400	P	✓19.	Silver	2.9 U	P
✓	Chromium	18	P	20.	Sodium	1580 U	P
	Cobalt	[14]	P	✓21.	Thallium	1.0 U	F
✓	Copper	33	P	✓22.	Tin	14 U	P
	Iron	13100	P	✓23.	Vanadium	[19]	P
✓	Lead	177	F	24.	Zinc	707	P
	Cyanide	N.R.	Auto An		Percent Solids (%)	97.43	

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comments: ____

Lab Manager MH for QD

DATA QUALIFIERS

Contractor: JTC

Case SF-2481 4652

Below is a summary of the out of control audits and the possible effect on the data for this case:

This review covers 5 low soil samples submitted for IFB metals analysis.

The spike analysis for Sb (47%) gave low results as shown; the detection limit reported for this element may be elevated.

The duplicate analysis of Cr gave an RPD of 98% indicating a lack of precision in the Cr analysis.

The lab ~~too~~ has used as a source for the continuing calibration a calibration std diluted 10X.

The dilution test data are OK

RECEIVED AUG 9 1985

Reviewed by: Dawn O Lynstedt

Phone: 886-1973

Date: 8-9-85

ecology and environment, inc.
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415
International Specialists in the Environment

Date Received for Review: 10-12-85 Date Review Completed: 10-25-85

To: Dave Curnock

From: Cynthia Pugh

Subject: LoBue #2 (Illinois)
TDD# RS-8303-1F
Sample Description: Case # 4652: Low Soil Organics

Project Data Status: COMPLETE

FIT Data Review Findings:

Data acceptable with qualifications noted on attached review sheet.

Additional Comments:

More QA info. in Rene Hix' file

Book No. 41
Page No. 280

recycled paper

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

1 OF 2

DATE 10/10/85

SUBJECT Review of Region V CLP Data
Received for Review on 8/5/85

RECEIVED OCT 12 1985

FROM Curtis Ross, Director (5SCRL)
Central Regional Laboratory
Francis Thomas

TO Data User: H

We have reviewed the data for the following case(s).

SITE NAME: LeBlanc #2 SMO Case No. 4652

EPA Data Set No. JF 2001 No. of Samples: 5 D.U./Activity Numbers 49051 C48500

CRL No. 85F510522 - 85F510526

SMO Traffic No. EF394-EF397; EF901

CLP Laboratory: Compuchem Hrs. Required for Review: 6

Following are our findings.

1. Holding TIME
2. GC/MS TUNING
3. VOLATILE, SEMI-VOLATILE (INITIAL & CONTINUING CALIBRATION)
4. REAGENT BLANK (VOA, PEST.)
5. MS/MSD PESTICIDE
6. Linearity
7. Breakdown
8. RT SHIFT
9. PESTICIDE/PCB STANDARD EVALUATION
   pp'- DDE
   pp'- DDT

QC ACCEPTABLE

CONT.

10/4/85 RJH

( ) Data are acceptable for use.
(X) Data are acceptable for use with qualifications noted above.
( ) Data are preliminary - pending verification by Contractor Laboratory.
( ) Data are unacceptable.

cc: Dr. Alfred Haeberer/Joan Fisk/Gary Ward, EPA Support Services
Ross K. Robeson, EMSL-Las Vegas
Don Trees, CLP/Sample Management Office

EPA FORM 1320-6 (REV. 3-76)

DATA QUALIFIERS

RECEIVED OCT 2 1985

Contractor: Compu Chem

Case 4652

Below is a summary of the out of control audits and the possible effect on the data for this case:

REAGENT BLANK SV 7/8 TO 7/15/85
7/8/85 ACETONE CONTAMINATION 3500 J UG/KG
" HYDROCARBON 590 J UG/KG
" LAB ARTIFACT 2900 J UG/KG
7/9/85 ESTER 620 J UG/KG
" KETONE, ACETONE CONTAMINATION 9300 J UG/KG
7/15/85 " " " 2400 J UG/KG

Reviewed by: ROBERT HALL

Phone: (312) 886-1970

Date:

RECEIVED OCT 1 2 1985

Case: 4652

Contractor: Compu Chem

TENTATIVELY IDENTIFIED COMPOUNDS MATCH ASSESSMENT

NOTE: Reviewer should note directly on Organic Analysis Data Sheet (OADS) those matches that in his opinion (based on contract criteria) are unreasonable.

CRITERIA

(1) Relative intensities of major ions (>10%) reference spectrum should be present in the sample spectrum.

(2) Relative intensities of major ions in sample spectrum should agree to within ± 20% of reference spectrum intensities.

(3) Molecular ions present in reference spectrum should be present in sample spectrum.

(4) Ions present in sample spectrum, but not in reference spectrum should be reviewed for possible background contamination or presence of coeluting interferences.

(5) Ions present in reference spectrum, but not in the sample spectrum should be reviewed for possible subtraction from the sample spectrum because of background contamination or coeluting interferences.

(6) If, in the reviewer's opinion, no valid identification can be made the compound should be labelled as "unknown" and the initials and date of the reviewer placed on the OADS.

85F510522

Environmental Protection Agency, CLP Sample Management Office
P. O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
EF394

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GH05547BA13
Sample matrix: solid
Data Release
Authorized By: _____

Case: 4652
QC Report No: _____
Contract No: 68-01-6866
Date Sample
Received: 07-03-85

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Volatile Compounds
Concentration: low
Date extracted/prepared: 07-03-85
Date analyzed: 07-10-85
Conc/Dil Factor: 1.20
Percent moisture: 19%
Percent moisture (decanted):

pH: 5.98

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	12.	U	78-87-5	1,2-Dichloropropane	6.0	U
74-83-9	Bromomethane	12.	U	10061-02-6	trans-1,3-Dichloropropene	6.0	U
75-01-4	Vinyl Chloride	12.	U	79-01-6	Trichloroethene	6.0	U
75-00-3	Chloroethane	12.	U	124-48-1	Dibromochloromethane	6.0	U
75-09-2	Methylene Chloride	7.0	B	79-00-5	1,1,2-Trichloroethane	6.0	U
67-64-1	Acetone	16.	B	71-43-2	Benzene	6.0	U
75-15-0	Carbon Disulfide	6.0	U	10061-01-5	cis-1,3-Dichloropropene	6.0	U
75-35-4	1,1-Dichloroethene	6.0	U	110-75-8	2-Chloroethyl Vinyl Ether	12.	U
75-35-3	1,1-Dichloroethane	6.0	U	75-25-2	Bromoform	6.0	U
156-60-5	trans-1,2-Dichloroethene	6.0	U	591-78-6	2-Hexanone	12.	U
67-66-3	Chloroform	6.0	U	108-10-1	4-Methyl-2-pentanone	12.	U
107-06-2	1,2-Dichloroethane	6.0	U	127-18-4	Tetrachloroethene	6.0	U
78-93-3	2-Butanone	12.	U	108-88-3	Toluene	6.0	U
71-55-6	1,1,1-Trichloroethane	6.0	U	108-90-7	Chlorobenzene	6.0	U
56-23-5	Carbon Tetrachloride	6.0	U	100-41-4	Ethyl Benzene	6.0	U
108-05-4	Vinyl Acetate	12.	U	100-42-5	Styrene	6.0	U
75-27-4	Bromodichloromethane	6.0	U		Total Xylenes	6.0	U
79-34-5	1,1,2,2-Tetrachloroethane	6.0	U				

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Environmental Protection Agency, CLP Sample Management Office
P . Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
EF394

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

Laboratory Name: CompuChem

Concentration: - low
Date extracted/prepared: ~~07-12-85~~ 7-3-85 (gb)
Date analyzed: 07-08-85
Conc/Dil Factor: 40.10

RECEIVED OCT 1 2 1985

CAS Number		ug/kg		CAS Number		ug/kg	
62-75-9	N-Nitrosodimethylamine	400	U	99-09-2	3-Nitroaniline	2000	U
108-95-2	Phenol	400	U	83-32-9	Acenaphthene	400	U
62-53-3	Aniline	400	U	51-28-5	2,4-Dinitrophenol	2000	U
111-44-4	bis(2-Chloroethyl) ether	400	U	100-02-7	4-Nitrophenol	2000	U
95-57-8	2-Chlorophenol	400	U	132-64-9	Dibenzofuran	400	U
541-73-1	1,3-Dichlorobenzene	400	U	121-14-2	2,4-Dinitrotoluene	400	U
106-46-7	1,4-Dichlorobenzene	400	U	606-20-2	2,6-Dinitrotoluene	400	U
100-51-6	Benzyl Alcohol	400	U	84-66-2	Diethylphthalate	400	U
95-50-1	1,2-Dichlorobenzene	400	U	7005-72-3	4-Chlorophenyl Phenyl ether	400	U
95-48-7	2-Methylphenol	400	U	86-73-7	Fluorene	400	U
39638-32-9	bis(2-Chloroisopropyl) ether	400	U	100-01-6	4-Nitroaniline	2000	U
106-44-5	4-Methylphenol	400	U	534-52-1	4,6-Dinitro-2-methylphenol	2000	U
621-64-7	N-Nitroso-Dipropylamine	400	U	86-30-6	N-nitrosodiphenylamine (1)	400	U
67-72-1	Hexachloroethane	400	U	101-55-3	4-Bromophenyl Phenyl ether	400	U
98-95-3	Nitrobenzene	400	U	118-74-1	Hexachlorobenzene	400	U
78-59-1	Isophorone	400	U	87-86-5	Pentachlorophenol	2000	U
88-75-5	2-Nitrophenol	400	U	85-01-8	Phenanthrene	400	U
105-67-9	2,4-Dimethylphenol	400	U	120-12-7	Anthracene	400	U
65-85-0	Benzoic Acid	2000	U	84-74-2	Di-n-butylphthalate	400	U
111-91-1	bis(2-Chloroethoxy) methane	400	U	206-44-0	Fluoranthene	400	U
120-83-2	2,4-Dichlorophenol	400	U	92-87-5	Benzidine	2000	U
120-82-1	1,2,4-Trichlorobenzene	400	U	129-00-0	Pyrene	400	U
91-20-3	Naphthalene	400	U	85-68-7	Butyl Benzyl Phthalate	400	U
106-47-8	4-Chloroaniline	400	U	91-94-1	3,3'-Dichlorobenzidine	800	U
87-68-3	Hexachlorobutadiene	400	U	56-55-3	Benzo(a)anthracene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U	117-81-7	bis(2-ethylhexyl)phthalate	400	U
91-57-6	2-Methylnaphthalene	400	U	218-01-9	Chrysene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U	117-84-0	Di-n-octyl Phthalate	400	U
88-06-2	2,4,6-Trichlorophenol	400	U	205-99-2	Benzo(b)fluoranthene	400	U
95-95-4	2,4,5-Trichlorophenol	2000	U	207-08-9	Benzo(k)fluoranthene	400	U
91-58-7	2-Chloronaphthalene	400	U	50-32-8	Benzo(a)pyrene	400	U
88-74-4	2-Nitroaniline	2000	U	193-39-5	Indeno(1,2,3-cd)pyrene	400	U
131-11-3	Dimethyl Phthalate	400	U	53-70-3	Dibenz(a,h)anthracene	400	U
208-96-8	Acenaphthylene	400	U	191-24-2	Benzo(g,h,i)perylene	400	U

(1) Cannot be separated from diphenylamine

Sample Number
[illegible]

Organics Analysis Data Sheet
(Page 3)

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Pesticide/PCBs

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 9/9/85
Data Analyzed: 09/17/85
Conc/Dil Factor: 1.21

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	2.4	U
319-85-7	Beta - BHC	2.4	U
319-86-8	Delta - BHC	2.4	U
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	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.8	U
72-55-9	4-4' - DDE	4.8	U
72-20-8	Endrin	4.8	U
33213-65-9	Endosulfan II	4.8	U
72-54-8	4-4' - DDD	4.8	U
7421-93-4	Endrin Aldehyde	4.8	U
1031-07-8	Endosulfan Sulfate	4.8	U
50-29-3	4-4' - DDT	4.8	U
72-43-5	Methoxychlor	24.	U
53494-70-5	Endrin Ketone	4.8	U
57-74-9	Chlordane	24.	U
8001-35-2	Toxaphene	48.	U
12674-11-2	Aroclor - 1016	24.	U
11104-28-2	Aroclor - 1221	24.	U
11141-16-5	Aroclor - 1232	24.	U
53469-21-9	Aroclor - 1242	24.	U
12672-29-6	Aroclor - 1248	24.	U
11097-69-1	Aroclor - 1254	48.	U
11096-82-5	Aroclor - 1260	48.	U

V(i) = Volume of extract injected (ul)
V(s) = Volume of water extracted (ml)
W(s) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(s) _____ or W(s) 30.40 V(t) 2000.00 V(i) 5.0

Form 1

Sample Number
E[illegible]

Organics Analysis Data Sheet
(Page 3)

RECEIVED OCT 1 2 1985

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 7/9/85
Date Analyzed: 07/20/85
Conc/Dil Factor: 1.21

CAS Number		ug/l or (ug/Kg) (Circle One)	
319-84-6	Alpha - BHC	2.4	U
319-85-7	Beta - BHC	2.4	U
319-86-8	Delta - BHC	2.4	U
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	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.8	U
72-55-9	4-4' - DDE	4.8	U
72-20-8	Endrin	4.8	U
33213-65-9	Endosulfan II	4.8	U
72-54-8	4-4' - DDD	4.8	U
7421-93-4	Endrin Aldehyde	4.8	U
1031-07-8	Endosulfan Sulfate	4.8	U
50-29-3	4-4' - DDT	4.8	U
72-43-5	Methoxychlor	24.	U
53494-70-5	Endrin Ketone	4.8	U
57-74-9	Chlordane	24.	U
8001-35-2	Toxaphene	48.	U
12674-11-2	Aroclor - 1016	24.	U
11104-28-2	Aroclor - 1221	24.	U
11141-16-5	Aroclor - 1232	24.	U
53469-21-9	Aroclor - 1242	24.	U
12672-29-6	Aroclor - 1248	24.	U
11097-69-1	Aroclor - 1254	48.	U
11096-82-5	Aroclor - 1260	48.	U

V(i) = Volume of extract injected (ul)
V(s) = Volume of water extracted (ml)
W(s) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(s) _____ or W(s) 30.46 V(t) 2000.00 V(i) 1.0

Form 1

Environmental Protection Agency. CLP Sample Management Office.
P. O. Box 818. Alexandria, Virginia 22313 703/557-2490

Sample Number
EF394

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

RECEIVED OCT 1 2 1985

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	NO VOA COMPOUNDS FOUND			
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.				

RECEIVED OCT 1 2 1985

SAMPLE NUMBER EF394

COMPUCHEM FILE GH055478A22

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
123-42-2	Acetone Contamination: 2-PENTANONE,4-HYDROXY-4-METHYL-	SEMI1	373	2900 2400.	JB
~~5771-58-4~~	D3. 2,4 Dinitrophenol: BICYCLO[4.1.0]HEPTAN-2-ONE	SEMI1	799	1500.	J
57-10-3	Fatty Acid: HEXADECANOICACID	SEMI1	986	370 310.	J
55320-58-6	Unknown: HEXANAL,5,5-DIMETHYL-	SEMI1	1314	220 180.	J
25246-27-9	" 1H-CYCLOPROP[E]AZULENE,DECAHYDRO-1,1,7-TRIMETHYL-4-M	SEMI1	1793	26000 22000.	J
580-49-4	" 2H-CYCLOHEPTA[B]FURAN-2-ONE,6-[1-(ACETYLOXY)-3-OXOBU	SEMI1	1829	3800 3200.	J
577-27-5	" 1H-CYCLOPROP[E]AZULEN-4-OL,DECAHYDRO-1,1,4,7-TETRAME	SEMI1	1855	720 600.	J
515-17-3	" NAPHTHALENE,DECAHYDRO-4A-METHYL-1-METHYLENE-7-(1-MET	SEMI1	1863	620 520.	J

~~33.400~~ 40.00

40.10

SPECTROSCOPIST ___

DATE 7/8/85

85FS10523

Environmental Protection Agency, CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
EF395

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GH055480A13
Sample matrix: solid
Data Release
Authorized By: _____

Case: 4652
QC Report No: _____
Contract No: 68-01-6866
Date Sample Received: 07-03-85

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Volatile Compounds
Concentration: low
Date extracted/prepared: 07-03-85
Date analyzed: 07-10-85
Conc/Dil Factor: 1.98
pH: 5.44
Percent moisture: 23%
Percent moisture (decanted):

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	20.	U	78-87-5	1,2-Dichloropropane	9.9	U
74-83-9	Bromomethane	20.	U	10061-02-6	trans-1,3-Dichloropropene	9.9	U
75-01-4	Vinyl Chloride	20.	U	79-01-6	Trichloroethene	9.9	U
75-00-3	Chloroethane	20.	U	124-48-1	Dibromochloromethane	9.9	U
75-09-2	Methylene Chloride	4000	B	79-00-5	1,1,2-Trichloroethane	9.9	U
67-64-1	Acetone	450	B	71-43-2	Benzene	9.9	U
75-15-0	Carbon Disulfide	9.9	U	10061-01-5	cis-1,3-Dichloropropene	9.9	U
75-35-4	1,1-Dichloroethene	9.9	U	110-75-8	2-Chloroethyl Vinyl Ether	20.	U
75-35-3	1,1-Dichloroethane	9.9	U	75-25-2	Bromoform	9.9	U
156-60-5	trans-1,2-Dichloroethene	9.9	U	591-78-6	2-Hexanone	20.	U
67-66-3	Chloroform	9.9	U	108-10-1	4-Methyl-2-pentanone	20.	U
107-06-2	1,2-Dichloroethane	9.9	U	127-18-4	Tetrachloroethene	9.9	U
78-93-3	2-Butanone	20.	U	108-88-3	Toluene	9.9	U
71-55-6	1,1,1-Trichloroethane	9.9	U	108-90-7	Chlorobenzene	9.9	U
56-23-5	Carbon Tetrachloride	9.9	U	100-41-4	Ethyl Benzene	9.9	U
108-05-4	Vinyl Acetate	20.	U	100-42-5	Styrene	9.9	U
75-27-4	Bromodichloromethane	9.9	U		Total Xylenes	9.9	U
79-34-5	1,1,2,2-Tetrachloroethane	9.9	U				

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Environmental Protection Agency, CLP Sample Management Office
P. O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
EF395 RE

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GX0554B0A1B
Sample matrix: solid
Data Release Authorized By: _____

Case: 4652
QC Report No: _____
Contract No: 68-01-6866
Date Sample Received: 07-03-85

RECEIVED OCT 1 2 1985

Volatile Compounds
Concentration: low
Date extracted/prepared: 07-03-85 07-19-85
Date analyzed: 07-22-85
Conc/Dil Factor: 1.33 pH: 5.44
Percent moisture: 25%
Percent moisture (decanted):

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	13.	U	78-87-5	1,2-Dichloropropane	6.6	U
74-83-9	Bromomethane	13.	U	10061-02-6	trans-1,3-Dichloropropene	6.6	U
75-01-4	Vinyl Chloride	13.	U	79-01-6	Trichloroethene	6.6	U
75-00-3	Chloroethane	13.	U	124-48-1	Dibromochloromethane	6.6	U
75-09-2	Methylene Chloride	210	B	79-00-5	1,1,2-Trichloroethane	6.6	U
67-64-1	Acetone	8.1	JB	71-43-2	Benzene	6.6	U
75-15-0	Carbon Disulfide	6.6	U	10061-01-5	cis-1,3-Dichloropropene	6.6	U
75-35-4	1,1-Dichloroethene	6.6	U	110-75-8	2-Chloroethyl Vinyl Ether	13.	U
75-35-3	1,1-Dichloroethane	6.6	U	75-25-2	Bromoform	6.6	U
156-60-5	trans-1,2-Dichloroethene	6.6	U	591-78-6	2-Hexanone	13.	U
67-66-3	Chloroform	6.6	U	108-10-1	4-Methyl-2-pentanone	13.	U
107-06-2	1,2-Dichloroethane	6.6	U	127-18-4	Tetrachloroethene	6.6	U
78-93-3	2-Butanone	13.	U	108-88-3	Toluene	6.6	U
71-55-6	1,1,1-Trichloroethane	6.6	U	108-90-7	Chlorobenzene	6.6	U
56-23-5	Carbon Tetrachloride	6.6	U	100-41-4	Ethyl Benzene	6.6	U
108-05-4	Vinyl Acetate	13.	U	100-42-5	Styrene	6.6	U
75-27-4	Bromodichloromethane	6.6	U		Total Xylenes	6.6	U
79-34-5	1,1,2,2-Tetrachloroethane	6.6	U				

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Environmental Protection Agency, CLP Sample Management Office
P O Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
EF395

RECEIVED OCT 1 2 1985

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

Laboratory Name: CompuChem

Concentration: low
Date extracted/prepared: 07-03-85
Date analyzed: 07-08-85
Conc/Dil Factor: 44.70

CAS Number		ug/kg		CAS Number		ug/kg	
62-75-9	N-Nitrosodimethylamine	450	U	99-09-2	3-Nitroaniline	2200	U
108-95-2	Phenol	450	U	83-32-9	Acenaphthene	450	U
62-53-3	Aniline	450	U	51-28-5	2,4-Dinitrophenol	2200	U
111-44-4	bis(2-Chloroethyl) ether	450	U	100-02-7	4-Nitrophenol	2200	U
95-57-8	2-Chlorophenol	450	U	132-64-9	Dibenzofuran	450	U
541-73-1	1,3-Dichlorobenzene	450	U	121-14-2	2,4-Dinitrotoluene	450	U
106-46-7	1,4-Dichlorobenzene	450	U	606-20-2	2,6-Dinitrotoluene	450	U
100-51-6	Benzyl Alcohol	450	U	84-66-2	Diethylphthalate	450	U
95-50-1	1,2-Dichlorobenzene	450	U	7005-72-3	4-Chlorophenyl Phenyl ether	450	U
95-48-7	2-Methylphenol	450	U	86-73-7	Fluorene	450	U
39638-32-9	bis(2-Chloroisopropyl) ether	450	U	100-01-6	4-Nitroaniline	2200	U
106-44-5	4-Methylphenol	450	U	534-52-1	4,6-Dinitro-2-methylphenol	2200	U
621-64-7	N-Nitroso-Dipropylamine	450	U	86-30-6	N-nitrosodiphenylamine (1)	450	U
67-72-1	Hexachloroethane	450	U	101-55-3	4-Bromophenyl Phenyl ether	450	U
98-95-3	Nitrobenzene	450	U	118-74-1	Hexachlorobenzene	450	U
78-59-1	Isophorone	450	U	87-86-5	Pentachlorophenol	2200	U
88-75-5	2-Nitrophenol	450	U	85-01-8	Phenanthrene	450	U
105-67-9	2,4-Dimethylphenol	450	U	120-12-7	Anthracene	450	U
65-85-0	Benzoic Acid	2200	U	84-74-2	Di-n-butylphthalate	210	J
111-91-1	bis(2-Chloroethoxy) methane	450	U	206-44-0	Fluoranthene	450	U
120-83-2	2,4-Dichlorophenol	450	U	92-87-5	Benzidine	2200	U
120-82-1	1,2,4-Trichlorobenzene	450	U	129-00-0	Pyrene	450	U
91-20-3	Naphthalene	450	U	85-68-7	Butyl Benzyl Phthalate	450	U
106-47-8	4-Chloroaniline	450	U	91-94-1	3,3'-Dichlorobenzidine	890	U
87-68-3	Hexachlorobutadiene	450	U	56-55-3	Benzo(a)anthracene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U	117-81-7	bis(2-ethylhexyl)phthalate	450	U
91-57-6	2-Methylnaphthalene	450	U	218-01-9	Chrysene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U	117-84-0	Di-n-octyl Phthalate	450	U
88-06-2	2,4,6-Trichlorophenol	450	U	205-99-2	Benzo(b)fluoranthene	450	U
95-95-4	2,4,5-Trichlorophenol	2200	U	207-08-9	Benzo(k)fluoranthene	450	U
91-58-7	2-Chloronaphthalene	450	U	50-32-8	Benzo(a)pyrene	450	U
88-74-4	2-Nitroaniline	2200	U	193-39-5	Indeno(1,2,3-cd)pyrene	450	U
131-11-3	Dimethyl Phthalate	450	U	53-70-3	Dibenz(a,h)anthracene	450	U
208-96-8	Acenaphthylene	450	U	191-24-2	Benzo(g,h,i)perylene	450	U

(1) Cannot be separated from diphenylamine

Environmental Protection Agency, CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
EF395 RE

Laboratory Name: CompuChem

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

RECEIVED 1 2 1985

Concentration: — low
Date extracted/prepared: 07-09-85
Date analyzed: 07-10-85
Conc/Dil Factor: 45.10

CAS Number		ug/kg		CAS Number		ug/kg	
62-75-9	N-Nitrosodimethylamine	450	U	99-09-2	3-Nitroaniline	2200	U
108-95-2	Phenol	450	U	83-32-9	Acenaphthene	450	U
62-53-3	Aniline	450	U	51-28-5	2,4-Dinitrophenol	2200	U
111-44-4	bis(2-Chloroethyl) ether	450	U	100-02-7	4-Nitrophenol	2200	U
95-57-8	2-Chlorophenol	450	U	132-64-9	Dibenzofuran	450	U
541-73-1	1,3-Dichlorobenzene	450	U	121-14-2	2,4-Dinitrotoluene	450	U
106-46-7	1,4-Dichlorobenzene	450	U	606-20-2	2,6-Dinitrotoluene	450	U
100-51-6	Benzyl Alcohol	450	U	84-66-2	Diethylphthalate	450	U
95-50-1	1,2-Dichlorobenzene	450	U	7005-72-3	4-Chlorophenyl Phenyl ether	450	U
95-48-7	2-Methylphenol	450	U	86-73-7	Fluorene	450	U
39638-32-9	bis(2-Chloroisopropyl) ether	450	U	100-01-6	4-Nitroaniline	2200	U
106-44-5	4-Methylphenol	450	U	534-52-1	4,6-Dinitro-2-methylphenol	2200	U
621-64-7	N-Nitroso-Dipropylamine	450	U	86-30-6	N-nitrosodiphenylamine (1)	450	U
67-72-1	Hexachloroethane	450	U	101-55-3	4-Bromophenyl Phenyl ether	450	U
98-95-3	Nitrobenzene	450	U	118-74-1	Hexachlorobenzene	450	U
78-59-1	Isophorone	450	U	87-86-5	Pentachlorophenol	2200	U
88-75-5	2-Nitrophenol	450	U	85-01-8	Phenanthrene	450	U
105-67-9	2,4-Dimethylphenol	450	U	120-12-7	Anthracene	450	U
65-85-0	Benzoic Acid	2200	U	84-74-2	Di-n-butylphthalate	450	U
111-91-1	bis(2-Chloroethoxy) methane	450	U	206-44-0	Fluoranthene	450	U
120-83-2	2,4-Dichlorophenol	450	U	92-87-5	Benzidine	2200	U
120-82-1	1,2,4-Trichlorobenzene	450	U	129-00-0	Pyrene	450	U
91-20-3	Naphthalene	450	U	85-68-7	Butyl Benzyl Phthalate	450	U
106-47-8	4-Chloroaniline	450	U	91-94-1	3,3'-Dichlorobenzidine	900	U
87-68-3	Hexachlorobutadiene	450	U	56-55-3	Benzo(a)anthracene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U	117-81-7	bis(2-ethylhexyl)phthalate	450	U
91-57-6	2-Methylnaphthalene	450	U	218-01-9	Chrysene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U	117-84-0	Di-n-octyl Phthalate	450	U
88-06-2	2,4,6-Trichlorophenol	450	U	205-99-2	Benzo(b)fluoranthene	450	U
95-95-4	2,4,5-Trichlorophenol	2200	U	207-08-9	Benzo(k)fluoranthene	450	U
91-58-7	2-Chloronaphthalene	450	U	50-32-8	Benzo(a)pyrene	450	U
88-74-4	2-Nitroaniline	2200	U	193-39-5	Indeno(1,2,3-cd)pyrene	450	U
131-11-3	Dimethyl Phthalate	450	U	53-70-3	Dibenz(a,h)anthracene	450	U
208-96-8	Acenaphthylene	450	U	191-24-2	Benzo(g,h,i)perylene	450	U

(1) Cannot be separated from diphenylamine

| Sample Number
| E1395

Organics Analysis Data Sheet
(Page 3)

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Pesticide/PCBs

Concentration: [Low] Medium (Circle One)
Date Extracted/Prepared: 7-9-85
Data Analyzed: 07/17/85
Conc/Dil Factor: 1.33

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	2.6	U
319-85-7	Beta - BHC	2.6	U
319-86-8	Delta - BHC	2.6	U
58-89-9	Gamma - BHC(Lindane)	2.6	U
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
1024-57-3	Heptachlor Epoxide	2.6	U
959-98-8	Endosulfan I	2.6	U
60-57-1	Dieldrin	5.3	U
72-55-9	4-4' - DDE	5.3	U
72-20-8	Endrin	5.3	U
33213-65-9	Endosulfan II	5.3	U
72-54-8	4-4' - DDD	5.3	U
7421-93-4	Endrin Aldehyde	5.3	U
1031-07-8	Endosulfan Sulfate	5.3	U
50-29-3	4-4' - DDT	5.3	U
72-43-5	Methoxychlor	26.	U
53494-70-5	Endrin Ketone	5.3	U
57-74-9	Chlordane	26.	U
8001-35-2	Toxaphene	53.	U
12674-11-2	Aroclor - 1016	26.	U
11104-28-2	Aroclor - 1221	26.	U
11141-16-5	Aroclor - 1232	26.	U
53469-21-9	Aroclor - 1242	26.	U
12672-29-6	Aroclor - 1248	26.	U
11097-69-1	Aroclor - 1254	53.	U
11096-82-5	Aroclor - 1260	53.	U

V(i) = Volume of extract injected (ul)
V(s) = Volume of water extracted (ml)
W(s) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(s) _____ or W(s) 30.00 V(t) 2000.00 V(i) 5.0

Form 1

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SAMPLE NUMBER EF035

COMPUCHEM FILE GH055480A13

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
~~75-09-2~~	~~METHANE,DICHLORO-~~	~~E238~~	~~131~~	~~4000.~~	~~J~~
~~67-64-1~~	~~2-PROPANONE~~	~~E238~~	~~142~~	~~170.~~	~~J~~
1 75-69-4	~~METHANE,TRICHLOROFLUORO-~~ possible lab artifact	E238	173	22.	J
2 110-54-3	HEXANE	E238	389	250.	J
~~15261-13-3~~	~~3-BUTENE-1,2-DIOL,1-(2-FURANYL)-~~	~~E238~~	~~545~~	~~7.~~	~~J~~
~~541-05-9~~	~~CYCLOTRISILOXANE,HEXAMETHYL-~~	~~E238~~	~~660~~	~~470.~~	~~J~~
~~2151-31-9~~	~~1-PYRROLIDINYLOXY,2,2,5,5-TETRAMETHYL-3-OXO-~~	~~E238~~	~~690~~	~~11.~~	~~J~~
~~6137-29-7~~	~~4-NONANONE,8-METHYL-~~	~~E238~~	~~711~~	~~14.~~	~~J~~

1.980 50.00

SPECTROSCOPIST SUB

DATE 7/29/85

RECEIVED 1 2 19

SAMPLE NUMBER EF395

COMPUCHEM FILE GX055480A18

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	78-78-4	Alkane ~~BUTANE,2-METHYL-~~	E238	367	20 ~~22.~~	J
~~2~~	~~20524-86-1~~	~~METHANE,OXYBIS\DICHLORO-~~	~~E238~~	~~487~~	~~44.~~	~~J~~
~~3~~	~~541-05-9~~	~~CYCLOTRISILOXANE,HEXAMETHYL-~~	~~E238~~	~~591~~	~~280.~~	~~J~~
	1.33 ~~1.430~~	50.00				

SPECTROSCOPIST [illegible]

DATE 7/30/85

RECEIVED OCT 1 2 1985

SAMPLE NUMBER EF395

COMPUCHEM FILE GH055480A22

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC (UG/L OR UG/KG)	
123-42-2	Acetone contaminant 2-PENTANONE,4-HYDROXY-4-METHYL-	SEMI1	372	2000.	J B
~~1121-66-0~~	D3:2,4-dinitrophenol ~~2-CYCLOHEPTEN 1 ONE~~	~~SEMI1~~	~~799~~	~~2400.~~	J

44.700 40.00

SPECTROSCOPIST : [illegible]

DATE 7-31-85

RECEIVED OCT 1 2 1985

SAMPLE NUMBER EF395 RE

COMPUCHEM FILE G4J55480B15

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
123-42-2	Ketone 2-PENTANONE,4-HYDROXY-4-METHYL-	SEMI1	336	9400.	J B
~~13189-13-4~~	~~2,3 dinitrophenol~~ ~~1H-IMIDAZOLE-4-CARBOXAMIDE,N-PHENYL-~~	~~SEMI1~~	~~773~~	~~2200.~~	~~J~~
18344-37-1	Alkane HEPTADECANE,2,6,10,14-TETRAMETHYL-	SEMI1	869	280.	J
10544-50-0	Molecular Sulfur SULFUR,MOL.(S8)	SEMI1	1026	1300.	J

45.100 40.00

SPECTROSCOPIST [illegible]

DATE 7-12-85

FORM1 PART B

85F310524

Environmental Protection Agency, CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
EF396

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GH0554B4B13
Sample matrix: solid
Data Release
Authorized By: _____

Case: 4652
QC Report No: _____
Contract No: 68-01-6866
Date Sample Received: 07-03-85

RECEIVED OCT 12 1985

Volatile Compounds
Concentration: low
Date extracted/prepared: 07-03-85
Date analyzed: 07-10-85
Conc/Dil Factor: 1.25
Percent moisture: 20%
Percent moisture (decanted):

pH: 6.30

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	12.	U	78-87-5	1,2-Dichloropropane	6.2	U
74-83-9	Bromomethane	12.	U	10061-02-6	trans-1,3-Dichloropropene	6.2	U
75-01-4	Vinyl Chloride	12.	U	79-01-6	Trichloroethene	6.2	U
75-00-3	Chloroethane	12.	U	124-48-1	Dibromochloromethane	6.2	U
75-09-2	Methylene Chloride	140	B	79-00-5	1,1,2-Trichloroethane	6.2	U
67-64-1	Acetone	9.2	JB	71-43-2	Benzene	6.2	U
75-15-0	Carbon Disulfide	6.2	U	10061-01-5	cis-1,3-Dichloropropene	6.2	U
75-35-4	1,1-Dichloroethene	6.2	U	110-75-8	2-Chloroethyl Vinyl Ether	12.	U
75-35-3	1,1-Dichloroethane	6.2	U	75-25-2	Bromoform	6.2	U
156-60-5	trans-1,2-Dichloroethene	6.2	U	591-78-6	2-Hexanone	12.	U
67-66-3	Chloroform	3.5	J	108-10-1	4-Methyl-2-pentanone	12.	U
107-06-2	1,2-Dichloroethane	6.2	U	127-18-4	Tetrachloroethene	6.2	U
78-93-3	2-Butanone	12.	U	108-88-3	Toluene	6.2	U
71-55-6	1,1,1-Trichloroethane	6.2	U	108-90-7	Chlorobenzene	6.2	U
56-23-5	Carbon Tetrachloride	6.2	U	100-41-4	Ethyl Benzene	6.2	U
108-05-4	Vinyl Acetate	12.	U	100-42-5	Styrene	6.2	U
75-27-4	Bromodichloromethane	6.2	U		Total Xylenes	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U				

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

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Environmental Protection Agency, CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
EF396 RE

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GR055484A18
Sample matrix: solid
Data Release
Authorized By: _____

Case: 4652
QC Report No: _____
Contract No: 68-01-6866
Date Sample
Received: 07-03-85

Volatile Compounds

Concentration: low
Date extracted/prepared: 07-03-85 07-12-85
Date analyzed: 07-19-85
Conc/Dil Factor: 1.25 pH: 6.30
Percent moisture: 20%
Percent moisture (decanted):

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	12.	U	78-87-5	1,2-Dichloropropane	6.2	U
74-83-9	Bromomethane	12.	U	10061-02-6	trans-1,3-Dichloropropene	6.2	U
75-01-4	Vinyl Chloride	12.	U	79-01-6	Trichloroethene	6.2	U
75-00-3	Chloroethane	12.	U	124-48-1	Dibromochloromethane	6.2	U
75-09-2	Methylene Chloride	260	B	79-00-5	1,1,2-Trichloroethane	6.2	U
67-64-1	Acetone	15.	B	71-43-2	Benzene	6.2	U
75-15-0	Carbon Disulfide	6.2	U	10061-01-5	cis-1,3-Dichloropropene	6.2	U
75-35-4	1,1-Dichloroethene	6.2	U	110-75-8	2-Chloroethyl Vinyl Ether	12.	U
75-35-3	1,1-Dichloroethane	6.2	U	75-25-2	Bromoform	6.2	U
156-60-5	trans-1,2-Dichloroethene	6.2	U	591-78-6	2-Hexanone	12.	U
67-66-3	Chloroform	3.4	J	108-10-1	4-Methyl-2-pentanone	12.	U
107-06-2	1,2-Dichloroethane	6.2	U	127-18-4	Tetrachloroethene	6.2	U
78-93-3	2-Butanone	12.	U	108-88-3	Toluene	6.2	U
71-55-6	1,1,1-Trichloroethane	6.2	U	108-90-7	Chlorobenzene	6.2	U
56-23-5	Carbon Tetrachloride	6.2	U	100-41-4	Ethyl Benzene	6.2	U
108-05-4	Vinyl Acetate	12.	U	100-42-5	Styrene	6.2	U
75-27-4	Bromodichloromethane	6.2	U		Total Xylenes	6.2	U
79-34-5	1,1,2,2-Tetrachloroethane	6.2	U				

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

Environmental Protection Agency, CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 703/557-2490

RECEIVED OCT 1 2 1985

Sample Number
EF396

Laboratory Name: CompuChem

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

Concentration: low
Date extracted/prepared: 07-03-85
Date analyzed: 07-08-85
Conc/Dil Factor: 42.20

CAS Number		ug/kg		CAS Number		ug/kg	
62-75-9	N-Nitrosodimethylamine	420	U	99-09-2	3-Nitroaniline	2100	U
108-95-2	Phenol	420	U	83-32-9	Acenaphthene	420	U
62-53-3	Aniline	420	U	51-28-5	2,4-Dinitrophenol	2100	U
111-44-4	bis(2-Chloroethyl) ether	420	U	100-02-7	4-Nitrophenol	2100	U
95-57-8	2-Chlorophenol	420	U	132-64-9	Dibenzofuran	420	U
541-73-1	1,3-Dichlorobenzene	420	U	121-14-2	2,4-Dinitrotoluene	420	U
106-46-7	1,4-Dichlorobenzene	420	U	606-20-2	2,6-Dinitrotoluene	420	U
100-51-6	Benzyl Alcohol	420	U	84-66-2	Diethylphthalate	420	U
95-50-1	1,2-Dichlorobenzene	420	U	7005-72-3	4-Chlorophenyl Phenyl ether	420	U
95-48-7	2-Methylphenol	420	U	86-73-7	Fluorene	420	U
39638-32-9	bis(2-Chloroisopropyl) ether	420	U	100-01-6	4-Nitroaniline	2100	U
106-44-5	4-Methylphenol	420	U	534-52-1	4,6-Dinitro-2-methylphenol	2100	U
621-64-7	N-Nitroso-Dipropylamine	420	U	86-30-6	N-nitrosodiphenylamine (1)	420	U
67-72-1	Hexachloroethane	420	U	101-55-3	4-Bromophenyl Phenyl ether	420	U
98-95-3	Nitrobenzene	420	U	118-74-1	Hexachlorobenzene	420	U
78-59-1	Isophorone	420	U	87-86-5	Pentachlorophenol	2100	U
88-75-5	2-Nitrophenol	420	U	85-01-8	Phenanthrene	420	U
105-67-9	2,4-Dimethylphenol	420	U	120-12-7	Anthracene	420	U
65-85-0	Benzoic Acid	2100	U	84-74-2	Di-n-butylphthalate	420	U
111-91-1	bis(2-Chloroethoxy) methane	420	U	206-44-0	Fluoranthene	420	U
120-83-2	2,4-Dichlorophenol	420	U	92-87-5	Benzidine	2100	U
120-82-1	1,2,4-Trichlorobenzene	420	U	129-00-0	Pyrene	420	U
91-20-3	Naphthalene	420	U	85-68-7	Butyl Benzyl Phthalate	420	U
106-47-8	4-Chloroaniline	420	U	91-94-1	3,3'-Dichlorobenzidine	840	U
87-68-3	Hexachlorobutadiene	420	U	56-55-3	Benzo(a)anthracene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U	117-81-7	bis(2-ethylhexyl)phthalate	420	U
91-57-6	2-Methylnaphthalene	420	U	218-01-9	Chrysene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U	117-84-0	Di-n-octyl Phthalate	420	U
88-06-2	2,4,6-Trichlorophenol	420	U	205-99-2	Benzo(b)fluoranthene	420	U
95-95-4	2,4,5-Trichlorophenol	2100	U	207-08-9	Benzo(k)fluoranthene	420	U
91-58-7	2-Chloronaphthalene	420	U	50-32-8	Benzo(a)pyrene	420	U
88-74-4	2-Nitroaniline	2100	U	193-39-5	Indeno(1,2,3-cd)pyrene	420	U
131-11-3	Dimethyl Phthalate	420	U	53-70-3	Dibenz(a,h)anthracene	420	U
208-96-8	Acenaphthylene	420	U	191-24-2	Benzo(g,h,i)perylene	420	U

(1) Cannot be separated from diphenylamine

Environmental Protection Agency, CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 703/557-2490

RECEIVED OCT 1 2 1985

Sample Number
EF396 RE

Laboratory Name: CompuChem

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

Concentration: low
Date extracted/prepared: 07-03-85 07-12-85
Date analyzed: 07-15-85
Conc/Dil Factor: 42.10

CAS Number		ug/kg		CAS Number		ug/kg	
62-75-9	N-Nitrosodimethylamine	420	U	99-09-2	3-Nitroaniline	2100	U
108-95-2	Phenol	420	U	83-32-9	Acenaphthene	420	U
62-53-3	Aniline	420	U	51-28-5	2,4-Dinitrophenol	2100	U
111-44-4	bis(2-Chloroethyl) ether	420	U	100-02-7	4-Nitrophenol	2100	U
95-57-8	2-Chlorophenol	420	U	132-64-9	Dibenzofuran	420	U
541-73-1	1,3-Dichlorobenzene	420	U	121-14-2	2,4-Dinitrotoluene	420	U
106-46-7	1,4-Dichlorobenzene	420	U	606-20-2	2,6-Dinitrotoluene	420	U
100-51-6	Benzyl Alcohol	420	U	84-66-2	Diethylphthalate	420	U
95-50-1	1,2-Dichlorobenzene	420	U	7005-72-3	4-Chlorophenyl Phenyl ether	420	U
95-48-7	2-Methylphenol	420	U	86-73-7	Fluorene	420	U
39638-32-9	bis(2-Chloroisopropyl) ether	420	U	100-01-6	4-Nitroaniline	2100	U
106-44-5	4-Methylphenol	420	U	534-52-1	4,6-Dinitro-2-methylphenol	2100	U
621-64-7	N-Nitroso-Dipropylamine	420	U	86-30-6	N-nitrosodiphenylamine (1)	420	U
67-72-1	Hexachloroethane	420	U	101-55-3	4-Bromophenyl Phenyl ether	420	U
98-95-3	Nitrobenzene	420	U	118-74-1	Hexachlorobenzene	420	U
78-59-1	Isophorone	420	U	87-86-5	Pentachlorophenol	2100	U
88-75-5	2-Nitrophenol	420	U	85-01-8	Phenanthrene	420	U
105-67-9	2,4-Dimethylphenol	420	U	120-12-7	Anthracene	420	U
65-85-0	Benzoic Acid	2100	U	84-74-2	Di-n-butylphthalate	420	U
111-91-1	bis(2-Chloroethoxy) methane	420	U	206-44-0	Fluoranthene	420	U
120-83-2	2,4-Dichlorophenol	420	U	92-87-5	Benzidine	2100	U
120-82-1	1,2,4-Trichlorobenzene	420	U	129-00-0	Pyrene	420	U
91-20-3	Naphthalene	420	U	85-68-7	Butyl Benzyl Phthalate	420	U
106-47-8	4-Chloroaniline	420	U	91-94-1	3,3'-Dichlorobenzidine	840	U
87-68-3	Hexachlorobutadiene	420	U	56-55-3	Benzo(a)anthracene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U	117-81-7	bis(2-ethylhexyl)phthalate	420	U
91-57-6	2-Methylnaphthalene	420	U	218-01-9	Chrysene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U	117-84-0	Di-n-octyl Phthalate	420	U
88-06-2	2,4,6-Trichlorophenol	420	U	205-99-2	Benzo(b)fluoranthene	420	U
95-95-4	2,4,5-Trichlorophenol	2100	U	207-08-9	Benzo(k)fluoranthene	420	U
91-58-7	2-Chloronaphthalene	420	U	50-32-8	Benzo(a)pyrene	420	U
88-74-4	2-Nitroaniline	2100	U	193-39-5	Indeno(1,2,3-cd)pyrene	420	U
131-11-3	Dimethyl Phthalate	420	U	53-70-3	Dibenz(a,h)anthracene	420	U
208-96-8	Acenaphthylene	420	U	191-24-2	Benzo(g,h,i)perylene	420	U

(1) Cannot be separated from diphenylamine

RECEIVED OCT 1 2 1985

Sample Number
Er56

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: [Low] Medium (Circle One)
Date Extracted/Prepared: 7/9/85
Data Analyzed: 07/17/85
Conc/Dil Factor: 1.24

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	2.5	U
319-85-7	Beta - BHC	2.5	U
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	U
60-57-1	Dieldrin	5.0	U
72-55-9	4-4' - DDE	5.0	U
72-20-8	Endrin	5.0	U
33213-65-9	Endosulfan II	5.0	U
72-54-8	4-4' - DDD	5.0	U
7421-93-4	Endrin Aldehyde	5.0	U
1031-07-8	Endosulfan Sulfate	5.0	U
50-29-3	4-4' - DDT	5.0	U
72-43-5	Methoxychlor	25.	U
53494-70-5	Endrin Ketone	5.0	U
57-74-9	Chlordane	25.	U
8001-35-2	Toxaphene	50.	U
12674-11-2	Aroclor - 1016	25.	U
11104-28-2	Aroclor - 1221	25.	U
11141-16-5	Aroclor - 1232	25.	U
53469-21-9	Aroclor - 1242	25.	U
12672-29-6	Aroclor - 1248	25.	U
11097-69-1	Aroclor - 1254	50.	U
11096-82-5	Aroclor - 1260	50.	U

V(i) = Volume of extract injected (ul)
V(s) = Volume of water extracted (ml)
W(s) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(s) _____ or W(s) 30.16 V(t) 2000.00 V(i) 5.0

Form 1

RECEIVED OCT 1 2 1985

Sample Number
[illegible]

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 7/9/85
Date Analyzed: 07/20/85
Conc/Dil Factor: 2.49

CAS Number		ug/l or (ug/Kg) (Circle One)	
319-84-6	Alpha - BHC	5.0	U
319-85-7	Beta - BHC	5.0	U
319-86-8	Delta - BHC	5.0	U
58-89-9	Gamma - BHC(Lindane)	5.0	U
76-44-8	Heptachlor	5.0	U
309-00-2	Aldrin	5.0	U
1024-57-3	Heptachlor Epoxide	5.0	U
959-98-8	Endosulfan I	5.0	U
60-57-1	Dieldrin	9.9	U
72-55-9	4-4' - DDE	9.9	U
72-20-8	Endrin	9.9	U
33213-65-9	Endosulfan II	9.9	U
72-54-8	4-4' - DDD	9.9	U
7421-93-4	Endrin Aldehyde	9.9	U
1031-07-8	Endosulfan Sulfate	9.9	U
50-29-3	4-4' - DDT	9.9	U
72-43-5	Methoxychlor	50.	U
53494-70-5	Endrin Ketone	9.9	U
57-74-9	Chlordane	50.	U
8001-35-2	Toxaphene	99.	U
12674-11-2	Aroclor - 1016	50.	U
11104-28-2	Aroclor - 1221	50.	U
11141-16-5	Aroclor - 1232	50.	U
53469-21-9	Aroclor - 1242	50.	U
12672-29-6	Aroclor - 1248	50.	U
11097-69-1	Aroclor - 1254	99.	U
11096-82-5	Aroclor - 1260	99.	U

V(i) = Volume of extract injected (ul)
V(s) = Volume of water extracted (ml)
W(s) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(s) _____ or W(s) 30.16 V(t) 2000.00 V(i) 1.0

Form 1

RECEIVED OCT 1

SAMPLE NUMBER EF396

COMPUCHEM FILE GH055484B13

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	75-69-4	~~METHANE, TRICHLOROFLUORO-~~ possible lab artifact	E238	177	7.	J

1.250 50.00

SPECTROSCOPIST Sue

DATE 7/29/85

FORM PART

RECEIVED OCT 1 2 1985

SAMPLE NUMBER EF396 /'E

COMPUCHEM FILE GR055484A18

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	110-54-3	HEXANE	E238	365	20.	J
~~2~~	~~75-98-9~~	~~PROPANOICACID,2,2-DIMETHYL-~~	~~E238~~	~~510~~	~~30.~~	J
~~3~~	~~541-05-9~~	~~CYCLOTRISILOXANE,HEXAMETHYL-~~	~~E238~~	~~589~~	~~210.~~	J

1.250 50.00

SPECTROSCOPIST SUB

DATE 7/29/85

RECEIVED OCT 1 2 1

SAMPLE NUMBER EF396

COMPUCHEM FILE GH055484A22

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	108-88-3	Toluene BENZENE,METHYL-	SEMI1	295	290.	JB
2	123-42-2	Acetone Contamination 2-PENTANONE,4-HYDROXY-4-METHYL-	SEMI1	373	2500.	JB
3	95-47-6	Isomers BENZENE,1,2-DIMETHYL-	SEMI1	398	560.	J
4	100-41-4	Ethyl Benzene BENZENE,ETHYL-	SEMI1	419	280.	J
5	611-14-3	Isomers BENZENE,1-ETHYL-2-METHYL-	SEMI1	474	300.	J
6	95-63-6	" BENZENE,1,2,4-TRIMETHYL-	SEMI1	498	680.	J
~~7~~	~~1121-66-0~~	1,3 2,4-Dimethylphenol ~~2-CYCLOHEPTEN-1-ONE~~	SEMI1	798	2400.	J

42.200 40.00

SPECTROSCOPIST _____

DATE 7/22/88

RECEIVED OCT 12 1981

SAMPLE NUMBER EF396 RI

COMPUCHEM FILE GRJ55484A07

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

	CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
1	123-42-2	Ketone 2-PENTANONE,4-HYDROXY-4-METHYL-	SEMI1	369	2400 ~~1400.~~	J B
2	106-42-3	Xylene BENZENE,1,4-DIMETHYL-	SEMI1	396	810 ~~230.~~	J B
3	95-63-6	Mesitylene BENZENE,1,2,4-TRIMETHYL-	SEMI1	491	360 ~~210.~~	J B
4	13189-13-4	D3-2,4-dinitrophenol ~~1H-IMIDAZOLE-4-CARBOXAMIDE,N-PHENYL-~~	SEMI1	772	590.	J

42.1
~~24.000~~ 40.00

SPECTROSCOPIST M H

DATE 7-17-83

Environmental Protection Agency, CLP Sample Management Office
P.O. Box 818, Alexandria, VA 22313 703/557-2490

RECEIVED OCT 1 2 1985

Sample Number
EF397

Organics Analysis Data Sheet
(Page 1)

Laboratory Name: CompuChem
Lab Sample ID No: GH055492613
Sample matrix: solid
Data Release
Authorized By: _____

Case: 4652
QC Report No: _____
Contract No: 68-01-6866
Date Sample
Received: 07-03-85

Volatile Compounds
Concentration: low
Date extracted/prepared: 07-03-85
Date analyzed: 07-10-85
Conc/Dil Factor: 1.55 pH: 10.26
Percent moisture: 37%
Percent moisture (decanted):

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	15.	U	78-87-5	1,2-Dichloropropane	7.7	U
74-83-9	Bromomethane	15.	U	10061-02-6	trans-1,3-Dichloropropene	7.7	U
75-01-4	Vinyl Chloride	15.	U	79-01-6	Trichloroethene	7.7	U
75-00-3	Chloroethane	15.	U	124-48-1	Dibromochloromethane	7.7	U
75-09-2	Methylene Chloride	52.	B	79-00-5	1,1,2-Trichloroethane	7.7	U
67-64-1	Acetone	130	B	71-43-2	Benzene	7.7	U
75-15-0	Carbon Disulfide	7.7	U	10061-01-5	cis-1,3-Dichloropropene	7.7	U
75-35-4	1,1-Dichloroethene	7.7	U	110-75-8	2-Chloroethyl Vinyl Ether	15.	U
75-35-3	1,1-Dichloroethane	7.7	U	75-25-2	Bromoform	7.7	U
156-60-5	trans-1,2-Dichloroethene	7.7	U	591-78-6	2-Hexanone	15.	U
67-66-3	Chloroform	7.7	U	108-10-1	4-Methyl-2-pentanone	15.	U
107-06-2	1,2-Dichloroethane	7.7	U	127-18-4	Tetrachloroethene	7.7	U
78-93-3	2-Butanone	15.	U	108-88-3	Toluene	7.7	U
71-55-6	1,1,1-Trichloroethane	7.7	U	108-90-7	Chlorobenzene	7.7	U
56-23-5	Carbon Tetrachloride	7.7	U	100-41-4	Ethyl Benzene	7.7	U
108-05-4	Vinyl Acetate	15.	U	100-42-5	Styrene	7.7	U
75-27-4	Bromodichloromethane	7.7	U		Total Xylenes	7.7	U
79-34-5	1,1,2,2-Tetrachloroethane	7.7	U				

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

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Environmental Protection Agency, CLP Sample Management Office
P. O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
EF397

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

RECEIVED OCT 1 2 1985

Laboratory Name: CompuChem

Concentration: low
Date extracted/prepared: 07-03-85
Date analyzed: 07-08-85
Conc/Dil Factor: 53.80

CAS Number		ug/kg		CAS Number		ug/kg	
62-75-9	N-Nitrosodimethylamine	540	U	99-09-2	3-Nitroaniline	2700	U
108-95-2	Phenol	540	U	83-32-9	Acenaphthene	540	U
62-53-3	Aniline	540	U	51-28-5	2,4-Dinitrophenol	2700	U
111-44-4	bis(2-Chloroethyl) ether	540	U	100-02-7	4-Nitrophenol	2700	U
95-57-8	2-Chlorophenol	540	U	132-64-9	Dibenzofuran	540	U
541-73-1	1,3-Dichlorobenzene	540	U	121-14-2	2,4-Dinitrotoluene	540	U
106-46-7	1,4-Dichlorobenzene	540	U	606-20-2	2,6-Dinitrotoluene	540	U
100-51-6	Benzyl Alcohol	540	U	84-66-2	Diethylphthalate	540	U
95-50-1	1,2-Dichlorobenzene	540	U	7005-72-3	4-Chlorophenyl Phenyl ether	540	U
95-48-7	2-Methylphenol	540	U	86-73-7	Fluorene	540	U
39638-32-9	bis(2-Chloroisopropyl) ether	540	U	100-01-6	4-Nitroaniline	2700	U
106-44-5	4-Methylphenol	540	U	534-52-1	4,6-Dinitro-2-methylphenol	2700	U
621-64-7	N-Nitroso-Dipropylamine	540	U	86-30-6	N-nitrosodiphenylamine (1)	540	U
67-72-1	Hexachloroethane	540	U	101-55-3	4-Bromophenyl Phenyl ether	540	U
98-95-3	Nitrobenzene	540	U	118-74-1	Hexachlorobenzene	540	U
78-59-1	Isophorone	540	U	87-86-5	Pentachlorophenol	2700	U
88-75-5	2-Nitrophenol	540	U	85-01-8	Phenanthrene	540	U
105-67-9	2,4-Dimethylphenol	540	U	120-12-7	Anthracene	540	U
65-85-0	Benzoic Acid	2700	U	84-74-2	Di-n-butylphthalate	540	U
111-91-1	bis(2-Chloroethoxy) methane	540	U	206-44-0	Fluoranthene	380	J
120-83-2	2,4-Dichlorophenol	540	U	92-87-5	Benzidine	2700	U
120-82-1	1,2,4-Trichlorobenzene	540	U	129-00-0	Pyrene	260	J
91-20-3	Naphthalene	540	U	85-68-7	Butyl Benzyl Phthalate	540	U
106-47-8	4-Chloroaniline	540	U	91-94-1	3,3'-Dichlorobenzidine	1100	U
87-68-3	Hexachlorobutadiene	540	U	56-55-3	Benzo(a)anthracene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U	117-81-7	bis(2-ethylhexyl)phthalate	260	J
91-57-6	2-Methylnaphthalene	540	U	218-01-9	Chrysene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U	117-84-0	Di-n-octyl Phthalate	540	U
88-06-2	2,4,6-Trichlorophenol	540	U	205-99-2	Benzo(b)fluoranthene	540	U
95-95-4	2,4,5-Trichlorophenol	2700	U	207-08-9	Benzo(k)fluoranthene	540	U
91-58-7	2-Chloronaphthalene	540	U	50-32-8	Benzo(a)pyrene	540	U
88-74-4	2-Nitroaniline	2700	U	193-39-5	Indeno(1,2,3-cd)pyrene	540	U
131-11-3	Dimethyl Phthalate	540	U	53-70-3	Dibenz(a,h)anthracene	540	U
208-96-8	Acenaphthylene	540	U	191-24-2	Benzo(g,h,i)perylene	540	U

(1) Cannot be separated from diphenylamine

Sample Number
[illegible]

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

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Concentration: [Low] Medium (Circle One)
Date Extracted/Prepared: 7/9/85
Date Analyzed: 07/17/85
Conc/Dil Factor: 1.57

CAS Number		ug/l or [ug/kg] (Circle One)	
319-84-6	Alpha - BHC	3.1	U
319-85-7	Beta - BHC	3.1	U
319-86-8	Delta - BHC	3.1	U
58-89-9	Gamma - BHC(Lindane)	3.1	U
76-44-8	Heptachlor	3.1	U
309-00-2	Aldrin	3.1	U
1024-57-3	Heptachlor Epoxide	3.1	U
959-98-8	Endosulfan I	3.1	U
60-57-1	Dieldrin	6.3	U
72-55-9	4-4' - DDE	6.3	U
72-20-8	Endrin	6.3	U
33213-65-9	Endosulfan II	6.3	U
72-54-8	4-4' - DDD	6.3	U
7421-93-4	Endrin Aldehyde	6.3	U
1031-07-8	Endosulfan Sulfate	6.3	U
50-29-3	4-4' - DDT	6.3	U
72-43-5	Methoxychlor	31.	U
53494-70-5	Endrin Ketone	6.3	U
57-74-9	Chlordane	31.	U
8001-35-2	Toxaphene	63.	U
12674-11-2	Aroclor - 1016	31.	U
11104-28-2	Aroclor - 1221	31.	U
11141-16-5	Aroclor - 1232	31.	U
53469-21-9	Aroclor - 1242	31.	U
12672-29-6	Aroclor - 1248	31.	U
11097-69-1	Aroclor - 1254	63.	U
11096-82-5	Aroclor - 1260	63.	U

V(i) = Volume of extract injected (ul)
V(s) = Volume of water extracted (ml)
W(s) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(s) _____ or W(s) 30.22 V(t) 2000.00 V(i) 5.0

Form 1

| Sample Number
| EF5[illegible]

Organics Analysis Data Sheet
(Page 3)

RECEIVED OCT 1 2 1985

Pesticide/PCBs

Concentration: [Low] Medium/ (Circle One)
Date Extracted/Prepared: 7/9/85
Data Analyzed: 07/20/85
Conc/Dil Factor: 1.5/

CAS Number		ug/l or [ug/Kg] (Circle One)	
319-84-6	Alpha - BHC	3.1	U
319-85-7	Beta - BHC	3.1	U
319-86-8	Delta - BHC	3.1	U
58-89-9	Gamma - BHC(Lindane)	3.1	U
76-44-8	Heptachlor	3.1	U
309-00-2	Aldrin	3.1	U
1024-57-3	Heptachlor Epoxide	3.1	U
959-98-8	Endosulfan I	3.1	U
60-57-1	Dieldrin	6.3	U
72-55-9	4-4' - DDE	6.3	U
72-20-8	Endrin	6.3	U
33213-65-9	Endosulfan II	6.3	U
72-54-8	4-4' - DDD	6.3	U
7421-93-4	Endrin Aldehyde	6.3	U
1031-07-8	Endosulfan Sulfate	6.3	U
50-29-3	4-4' - DDT	6.3	U
72-43-5	Methoxychlor	31.	U
53494-70-5	Endrin Ketone	6.3	U
57-74-9	Chlordane	31.	U
8001-35-2	Toxaphene	63.	U
12674-11-2	Aroclor - 1016	31.	U
11104-28-2	Aroclor - 1221	31.	U
11141-16-5	Aroclor - 1232	31.	U
53469-21-9	Aroclor - 1242	31.	U
12672-29-6	Aroclor - 1248	31.	U
11097-69-1	Aroclor - 1254	63.	U
11096-82-5	Aroclor - 1260	63.	U

V(i) = Volume of extract injected (ul)
V(s) = Volume of water extracted (ml)
W(s) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(s) _____ or W(s) 30.22 V(t) 2000.00 V(i) 1.0

Form 1

Environmental Protection Agency, CLP Sample Management Office,
P.O. Box 818, Alexandria, Virginia 22313 703/557-3490

Sample Number
EF397

Organics Analysis Data Sheet
(Page 4)

Tentatively Identified Compounds

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CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	NO VOA COMPOUNDS FOUND			
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.				

RECEIVED OCT 1 2 198

SAMPLE NUMBER EF397

COMPUCHEM FILE GH055492A22

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
123-42-2	Acetone Contamination 2-PENTANONE,4-HYDROXY-4-METHYL-	SEMI1	372	4200 ~~2600.~~	JB
~~1121-66-0~~	D3,5,4-Dimethylphenol 2-CYCLOHEPTEN-1-ONE	SEMI1	800	1200.	J
6994-96-3	Cuminaldehyde HEXANOICACID,4,4-DIMETHYL-3-METHYLENE-5-OXO-	SEMI1	1174	400 ~~250.~~	J
17302-32-8	" NONANE,3,7-DIMETHYL-	SEMI1	1186	350 ~~220.~~	J
54699-42-2	" CYCLOHEXANAMINE,N-CYCLOOCTYLIDENE-	SEMI1	1351	780 ~~490.~~	J

~~13.600~~ 40.00
3 80

SPECTROSCOPIST [illegible]

DATE 7/8/85

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85F310326

Environmental Protection Agency, CLP Sample Management Office
O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
EF901

Organics Analysis Data Sheet
(Page 1)

boratory Name: CompuChem
b Sample ID No: GH055493B13
Sample matrix: solid
Data Release
thorized By: _____

Case: 4652
QC Report No: _____
Contract No: 68-01-6866
Date Sample
Received: 07-03-85

Volatile Compounds
Concentration: low
Date extracted/prepared: 07-03-85
Date analyzed: 07-10-85
Conc/Dil Factor: 1.03
pH: 7.63
Percent moisture: 3%
Percent moisture (decanted):

CAS Number		ug/kg		CAS Number		ug/kg	
74-87-3	Chloromethane	10.	U	78-87-5	1,2-Dichloropropane	5.1	U
74-83-9	Bromomethane	10.	U	10061-02-6	trans-1,3-Dichloropropene	5.1	U
75-01-4	Vinyl Chloride	10.	U	79-01-6	Trichloroethene	5.1	U
75-00-3	Chloroethane	10.	U	124-48-1	Dibromochloromethane	5.1	U
75-09-2	Methylene Chloride	65.	B	79-00-5	1,1,2-Trichloroethane	5.1	U
67-64-1	Acetone	7.0	JB	71-43-2	Benzene	5.1	U
75-15-0	Carbon Disulfide	5.1	U	10061-01-5	cis-1,3-Dichloropropene	5.1	U
75-35-4	1,1-Dichloroethene	5.1	U	110-75-8	2-Chloroethyl Vinyl Ether	10.	U
75-35-3	1,1-Dichloroethane	5.1	U	75-25-2	Bromoform	5.1	U
156-60-5	trans-1,2-Dichloroethene	5.1	U	591-78-6	2-Hexanone	10.	U
67-66-3	Chloroform	5.1	U	108-10-1	4-Methyl-2-pentanone	10.	U
107-06-2	1,2-Dichloroethane	5.1	U	127-18-4	Tetrachloroethene	5.1	U
78-93-3	2-Butanone	10.	U	108-88-3	Toluene	5.1	U
71-55-6	1,1,1-Trichloroethane	5.1	U	108-90-7	Chlorobenzene	5.1	U
56-23-5	Carbon Tetrachloride	5.1	U	100-41-4	Ethyl Benzene	5.1	U
108-05-4	Vinyl Acetate	10.	U	100-42-5	Styrene	5.1	U
75-27-4	Bromodichloromethane	5.1	U		Total Xylenes	5.1	U
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U				

DATA REPORTING QUALIFIERS

For reporting results to EPA, the following results qualifiers are used. Additional flags or footnotes explaining results are encouraged. However, the definition of each flag must be explicit.

VALUE If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected. Report the minimum detection limit for the sample with the U (e.g. 10U) based on necessary concentration/dilution actions. (This is not necessarily the instrument detection limit.) The footnote should read: U-Compound was analyzed for but not detected. The number is the minimum attainable detection limit for the sample.

J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. (e.g. 10J)

C This flag applies to pesticide parameters where the identification has been confirmed by GC/MS. Single component pesticides >/= 10 ng/ul in the final extract should be confirmed by GC/MS.

B This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

Other Other specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such description attached to the data summary report.

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Environmental Protection Agency, CLP Sample Management Office
P. O. Box 818, Alexandria, VA 22313 703/557-2490

Sample Number
EF901

Organics Analysis Data Sheet
(Page 2)
Semivolatile Compounds

Laboratory Name: CompuChem

Concentration: — low
Date extracted/prepared: 07-03-85
Date analyzed: 07-08-85
Conc/Dil Factor: 33.60

CAS Number		ug/kg		CAS Number		ug/kg		
62-75-9	N-Nitrosodimethylamine	340	U	99-09-2	3-Nitroaniline	1700	U	
108-95-2	Phenol	340	U	83-32-9	Acenaphthene	340	U	
62-53-3	Aniline	340	U	51-28-5	2,4-Dinitrophenol	1700	U	
111-44-4	bis(2-Chloroethyl) ether	340	U	100-02-7	4-Nitrophenol	1700	U	
95-57-8	2-Chlorophenol	340	U	132-64-9	Dibenzofuran	340	U	
541-73-1	1,3-Dichlorobenzene	340	U	121-14-2	2,4-Dinitrotoluene	340	U	
106-46-7	1,4-Dichlorobenzene	340	U	606-20-2	2,6-Dinitrotoluene	340	U	
100-51-6	Benzyl Alcohol	340	U	84-66-2	Diethylphthalate	340	U	
95-50-1	1,2-Dichlorobenzene	340	U	7005-72-3	4-Chlorophenyl Phenyl ether	340	U	
95-48-7	2-Methylphenol	340	U	86-73-7	Fluorene	340	U	
39638-32-9	bis(2-Chloroisopropyl) ether	340	U	100-01-6	4-Nitroaniline	1700	U	
106-44-5	4-Methylphenol	340	U	534-52-1	4,6-Dinitro-2-methylphenol	1700	U	
621-64-7	N-Nitroso-Dipropylamine	340	U	86-30-6	N-nitrosodiphenylamine (1)	340	U	
67-72-1	Hexachloroethane	340	U	101-55-3	4-Bromophenyl Phenyl ether	340	U	
98-95-3	Nitrobenzene	340	U	118-74-1	Hexachlorobenzene	340	U	
78-59-1	Isophorone	340	U	87-86-5	Pentachlorophenol	1700	U	
88-75-5	2-Nitrophenol	340	U	85-01-8	Phenanthrene	540		
105-67-9	2,4-Dimethylphenol	340	U	120-12-7	Anthracene	340	U	
65-85-0	Benzoic Acid	1700	U	84-74-2	Di-n-butylphthalate	340	U	
111-91-1	bis(2-Chloroethoxy) methane	340	U	206-44-0	Fluoranthene	1000		
120-83-2	2,4-Dichlorophenol	340	U	92-87-5	Benzidine	1700	U	
120-82-1	1,2,4-Trichlorobenzene	340	U	129-00-0	Pyrene	610		
91-20-3	Naphthalene	340	U	85-68-7	Butyl Benzyl Phthalate	160	J	estimated
106-47-8	4-Chloroaniline	340	U	91-94-1	3,3'-Dichlorobenzidine	670	U	
87-68-3	Hexachlorobutadiene	340	U	56-55-3	Benzo(a)anthracene	300	J	estimated
59-50-7	4-Chloro-3-methylphenol	340	U	117-81-7	bis(2-ethylhexyl)phthalate	210	J	estimated
91-57-6	2-Methylnaphthalene	340	U	218-01-9	Chrysene	360		
77-47-4	Hexachlorocyclopentadiene	340	U	117-84-0	Di-n-octyl Phthalate	340	U	
88-06-2	2,4,6-Trichlorophenol	340	U	205-99-2	Benzo(b)fluoranthene	530		
95-95-4	2,4,5-Trichlorophenol	1700	U	207-08-9	Benzo(k)fluoranthene	530		
91-58-7	2-Chloronaphthalene	340	U	50-32-8	Benzo(a)pyrene	200	J	estimated
88-74-4	2-Nitroaniline	1700	U	193-39-5	Indeno(1,2,3-cd)pyrene	340	U	
131-11-3	Dimethyl Phthalate	340	U	53-70-3	Dibenz(a,h)anthracene	340	U	
208-96-8	Acenaphthylene	340	U	191-24-2	Benzo(g,h,i)perylene	340	U	

(1) Cannot be separated from diphenylamine

RECEIVED OCT 1 2 1985

Sample Number
EF50J

Organics Analysis Data Sheet
(Page 3)

Pesticide/PCBs

Concentration: (Low) Medium (Circle One)
Date Extracted/Prepared: 7/9/85
Date Analyzed: 07/17/85
Conc/Dil Factor: 1.02

CAS Number		ug/l or (ug/Kg) (Circle One)	
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	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.1	U
72-55-9	4-4' - DDE	31.	
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
72-54-8	4-4' - DDD	4.1	U
7421-93-4	Endrin Aldehyde	4.1	U
1031-07-8	Endosulfan Sulfate	4.1	U
50-29-3	4-4' - DDT	47.	
72-43-5	Methoxychlor	20.	U
53494-70-5	Endrin Ketone	4.1	U
57-74-9	Chlordane	20.	U
8001-35-2	Toxaphene	41.	U
12674-11-2	Aroclor - 1016	20.	U
11104-28-2	Aroclor - 1221	20.	U
11141-16-5	Aroclor - 1232	20.	U
53469-21-9	Aroclor - 1242	20.	U
12672-29-6	Aroclor - 1248	20.	U
11097-69-1	Aroclor - 1254	41.	U
11096-82-5	Aroclor - 1260	41.	U

V(i) = Volume of extract injected (ul)
V(s) = Volume of water extracted (ml)
W(s) = Weight of sample extracted (g)
V(t) = Volume of total extract (ul)

V(s) _____ or W(s) 30.25 V(t) 2000.00 V(i) 5.0

Form 1

Environmental Protection Agency. CLP Sample Management Office.
P. O. Box 818, Alexandria, Virginia 22313 703/557-2490

Sample Number
EF901

Organics Analysis Data Sheet
(Page 4)

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Tentatively Identified Compounds

CAS Number	Compound Name	Fraction	RT or Scan Number	Estimated Concentration (ug/l or ug/kg)
1.	NO VOA COMPOUNDS FOUND			
2.				
3.				
4.				
5.				
6.				
7.				
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25.				
26.				
27.				
28.				
29.				
30.				

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SAMPLE NUMBER EF901

COMPUCHEM FILE GH055493A22

ORGANICS ANALYSIS DATA SHEET (PAGE 4)

TENTATIVELY IDENTIFIED COMPOUNDS

CAS NUMBER	COMPOUND NAME	FRACTION	SCAN NUMBER	ESTIMATED CONC. (UG/L OR UG/KG)	
123-42-2	Acetone Condensation: 2-PENTANONE,4-HYDROXY-4-METHYL-	SEMI1	368	2500.	JB
106-42-3	Isomers BENZENE,1,4-DIMETHYL-	SEMI1	395	160.	J
91-64-5	Ketone 2H-1-BENZOPYRAN-2-ONE	SEMI1	770	340.	J
~~1121-66-0~~	Dg-2,4- Dimethylphenol: ~~2-CYCLOHEPTEN-1-ONE~~	~~SEMI1~~	~~799~~	~~1000.~~	J
55045-11-9	Unknown: TRIDECANE,5-PROPYL-	SEMI1	883	590.	J
922-28-1	" HEPTANE,3,4-DIMETHYL-	SEMI1	928	170.	J
117-83-9	" 1,2-BENZENEDICARBOXYLICACID,BIS(2-BUTOXYETHYL)ESTER	SEMI1	1171	380.	J
593-45-3	" OCTADECANE	SEMI1	1256	280.	J
56554-87-1	" 16-OCTADECENAL	SEMI1	1336	460.	J
629-99-2	Hydrocarbon PENTACOSANE	SEMI1	1373	850.	J
198-55-0	Isomers PERYLENE	SEMI1	1406	390.	J
54833-48-6	Unknown HEPTADECANE,2,6,10,15-TETRAMETHYL-	SEMI1	1547	410.	J

33.600 40.00

SPECTROSCOPIST ___

DATE 7/8/8