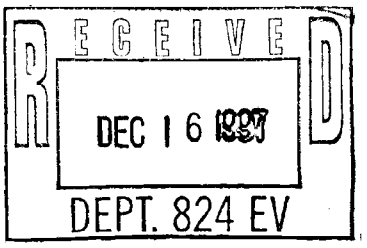
FLUOR DANIEL GTI



December 15, 1997

Mr. David J. Clauson
Environmental Scientist
Sears, Roebuck and Co.
3333 Beverly Road
Department 824EV, A2-238A
Hoffman Estates, Illinois 60179

Subject: **Hydraulic Lift Removal Activities**
Sears Facility #1310/6060
4900 Midway Boulevard
Elyria, Lorain County, Ohio
Fluor Daniel GTI Project 01201.0568

Dear Mr. Clauson:

On behalf of Sears, Roebuck and Co. (Sears), Fluor Daniel GTI, Inc. (Fluor Daniel GTI) has prepared this report to document the removal of three single post hydraulic lift systems at the above-referenced site and to summarize the associated environmental investigation. A site layout sketch is presented on **Figure 1**.

SCOPE OF WORK

Sears initiated this environmental investigation to assess the potential impact of hydraulic fluid on the site's subsurface soil and/or groundwater.

In general, the State of Ohio and the Ohio Department of Environmental Protection (ODEP) do not consider hydraulic fluid to be a state-regulated substance. Based on discussions with the ODEP, the release of hydraulic fluid from a hydraulic lift is considered a reportable release, but the ODEP has not established soil cleanup standards for soils impacted with hydraulic fluid.

However, the ODEP does recommend the use of EPA Method 418.1 for the detection of hydraulic fluid in soil with a guideline of 500 milligrams per kilogram (mg/kg) of total recoverable petroleum hydrocarbons (TRPH) as an indicator of impacted soil. If TRPH concentrations exceed the recommended guideline, and the soil is to be left in place and not excavated from the site, ODEP recommends the soil be further analyzed according to EPA Methods 3560 and 8020 to better determine the types of petroleum constituents that may be present in the soil. Because these potential releases from hydraulic lift systems are currently not regulated by ODEP, submittal of this report to ODEP is not necessary at this time.

1281 Kennestone Circle, N.W., Suite 100 / Marietta, Georgia 30066 USA (770) 499-9000 FAX (770) 499-9933

Soil Assessment Activities

Soil samples were collected from hand-augered borings and/or backhoe excavations at locations where releases are most likely to occur (e.g. hydraulic cylinders [posts]; underground/aboveground reservoirs; line connections; control valve assemblies). Total depth of each boring or excavation was generally based upon one or more of the following:

- concrete support pads or other types of structures in the hydraulic lift bay
- depth at which groundwater was encountered
- depth at which auger refusal was encountered
- visual or other field observations of the presence or lack of impacted soil (e.g. staining, odor)
- analytical results received from an on-site mobile laboratory

For specific information regarding the number of soil samples collected, and depth of each soil sample, please refer to **Table 1** and **Figures 2** and **3.**

CHRONOLOGY

Field activities and lift removal assessment events are listed chronologically below:

- ***August 19, 1997*** - Fluor Daniel GTI completed a pre-excavation meeting with the subcontractors, ETSS, and a Sears representative (Bryan Brogle) from the site to discuss the scope of work and health and safety issues. At this time, Fluor Daniel GTI and Mr. Brogle discussed the locations for soil stockpiles, drums, and the potential for underground utilities. ETSS personnel saw cut and removed concrete around the hydraulic lift systems scheduled for removal.

- ***August 20, 1997*** - Surficial concrete was removed above three semi-hydraulic single-post hydraulic lift systems (HLS #6, HLS #7, HLS #8) by ETSS personnel. Hydraulic fluid remaining in the cylinders was placed into 55-gallon drums and stored on-site for disposal. No reservoirs or piping containing hydraulic fluid were encountered. The lifts were removed and each cylinder was closed in place in accordance with the protocols outlined in Module 10. Soil samples were collected from beneath the lift cylinders for analysis by the on-site mobile laboratory. Soil samples were analyzed on-site for TRPH according to EPA Method 418.1. **Figure 2** presents the location of each soil sample collected. The excavation was backfilled with imported clean fill in preparation for site restoration. Excavated soil was stockpiled on and covered with plastic in preparation for disposal. A composite soil sample was collected for disposal characterization.

- ***August 21, 1997*** - Site restoration was completed.

- ***September 23, 1997*** - Stockpiled soil generated from the hydraulic lift removals was loaded and transported to Waste Management's Countywide RDF for treatment. **Attachment A** contains copies of the soil disposal documents.

SITE AND REGIONAL GEOLOGY AND HYDROGEOLOGY

Regional geology beneath the site is characterized as glacial till and lacustrine deposits from 0 to 25 feet bgs overlying shale bedrock, according to the Ohio Department of Natural Resources (ODNR). The deposits are reported to be composed primarily of cohesive calcareous silts and clays.

The drainage characteristics of near-surface soils range from good to poor depending on the composition of glacial materials present. Local drainage is associated with an unnamed intermittent stream, located approximately 1,500 feet southeast of the site. According to the ODNR Groundwater Resources map of Lorain County, the site lies in an area in which less than 3 gallons per minute may be developed from the impermeable deposits of clay and shale.

FIELD OBSERVATIONS

General soil conditions observed during excavation activities and soil sample collection consisted of native mottled brown and gray clay soil. No groundwater was encountered during removal of the lift systems.

ANALYTICAL PROGRAM

Soil samples collected during lift removal activities were analyzed by an on-site mobile analytical laboratory provided by Transglobal Environmental Geochemistry (TEG) Mid-America. Soil samples were analyzed according to EPA Method 418.1 for TRPH. The soil sample exhibiting the highest concentration of TRPH was submitted to and analyzed by TEG's fixed-base laboratory for polychlorinated biphenyls (PCBs) according to EPA Method 8080 and benzene, toluene, ethylbenzene, and xylenes (BTEX) according to EPA Method 8020.

The composite soil sample collected from the stockpiled soils was analyzed at NEI/GTEL Environmental Laboratories, Inc., in Wichita, Kansas (NEI/GTEL), according to the following EPA Methods:

- 8020 for BTEX
- 418.1 for TRPH
- 6000/7000 series for TCLP metals

A copy of the analytical laboratory reports are included as **Attachment B** and summarized in **Tables 1** and **2** and on **Figure 3**.

DISCUSSION OF ANALYTICAL RESULTS

The soil samples analyzed by the on-site mobile laboratory indicated TRPH concentrations ranging from below the laboratory reporting limit to 8 mg/kg. Analytical results for PCB and BTEX in soil sample 7A detected no analytes at or above the laboratory reporting limit. The analytical results are summarized in **Tables 1** and **2** and on **Figure 3**.

CONCLUSIONS AND RECOMMENDATIONS

Soil assessment activities in the area of the removed hydraulic lift systems have been completed, and TRPH concentrations in soil remaining in place at the site are below the voluntary cleanup goal of 500 mg/kg. Groundwater was not encountered during removal activities. Therefore, no further action is required at this site. This report has been prepared for Sears files and submittal to the ODEP is not required at this time.

Should you have any questions or comments, please contact Jessica Nichols at (770) 499-9000.

Sincerely,

FLUOR DANIEL GTI, INC.

Debra J. Murphy FOR
John A. Frankenthal
Zone Project Manager

Jessica A. Nichols, CHMM
Lead Environmental Engineer
Lift Program Technical Specialist

c: Project Files, Fluor Daniel GTI, Inc., Lenexa, Kansas

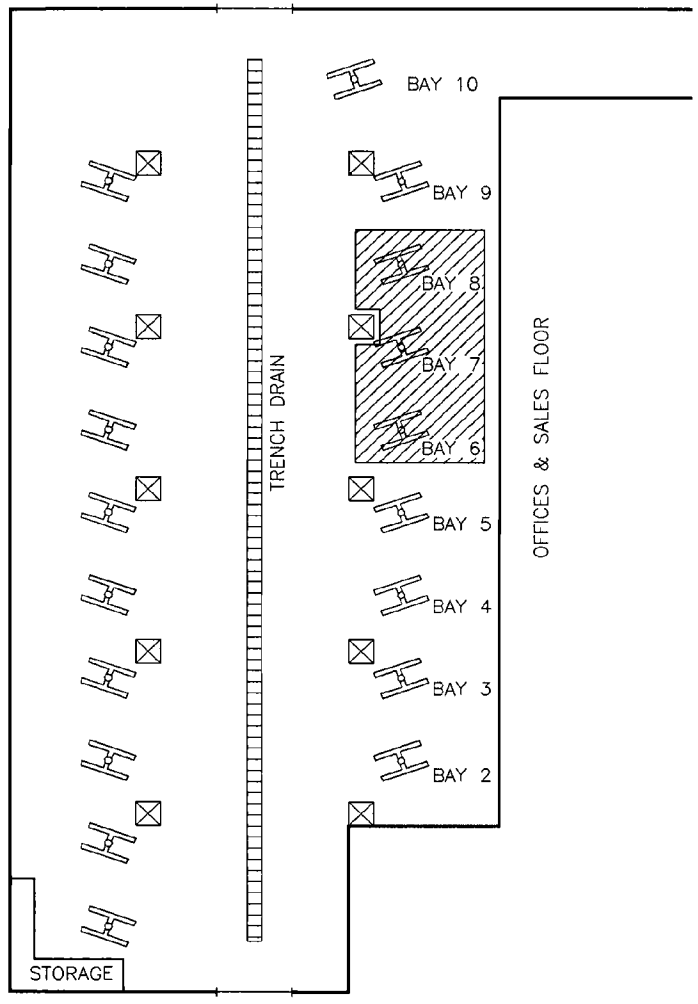
Attachments

Figures
Tables
A. Soil Disposal Documentation
B. Analytical Laboratory Reports and Chain-of-Custody Documentation

O:\ATLANTA\SEARS1\LIFT\OH_RPTS.JLI\ELYRIA.RPT

FIGURES

FIGURES



LEGEND

HYDRAULIC LIFT

REMOVED LIFT AREA

BUILDING SUPPORT COLUMN

N

0 30 60

SCALE FEET

FLUOR DANIEL GTI

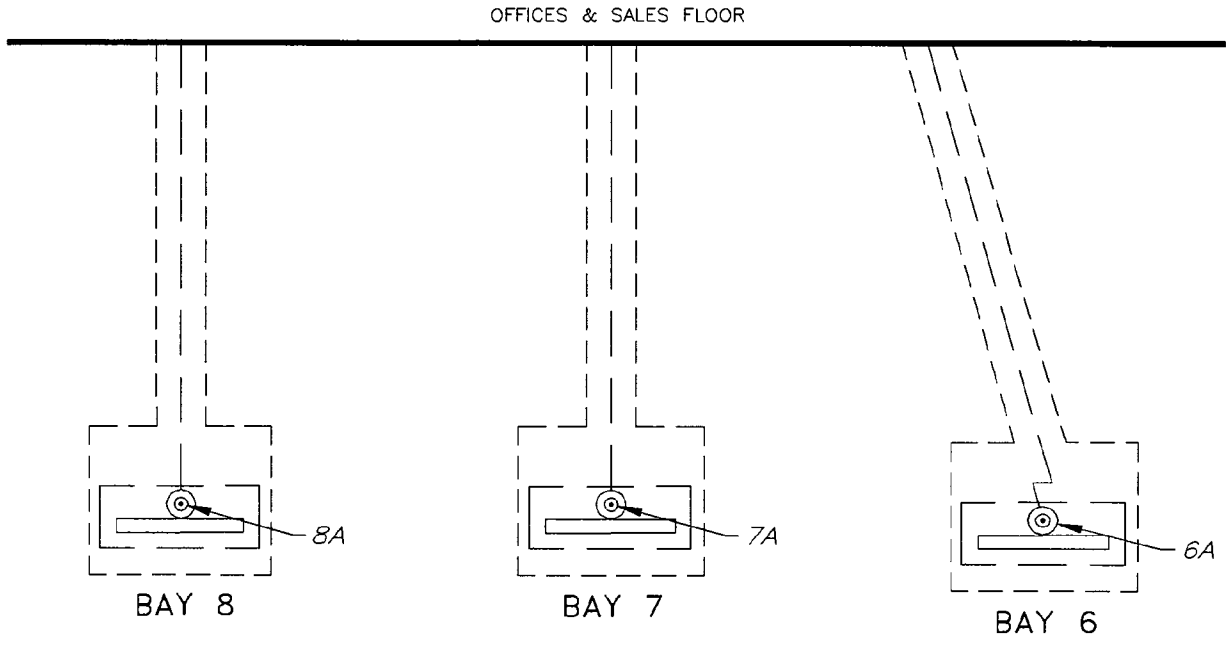
120 S. RIVERSIDE PLAZA
CHICAGO, ILL. 60606
(312) 368-3500

REV. NO.:	ACAD FILE:	DRAWING DATE:
1	0568ST97	11/20/97

SITE LAYOUT

CLIENT:	PM:
SEARS, ROEBUCK AND CO. FACILITY #1310	
LOCATION:	**PE/RG:**
4900 MIDWAY BOULEVARD ELYRIA, OHIO	

DESIGNED:	DETAILED:	PROJECT NO.:	FIGURE:
JF	TS	01201-0568	1



LEGEND

- LIFT POST
- APPROXIMATE LIMIT OF EXCAVATION
- CULVERT
- SAMPLE LOCATION
- 8A SAMPLE ID

N

0 6 12

SCALE FEET

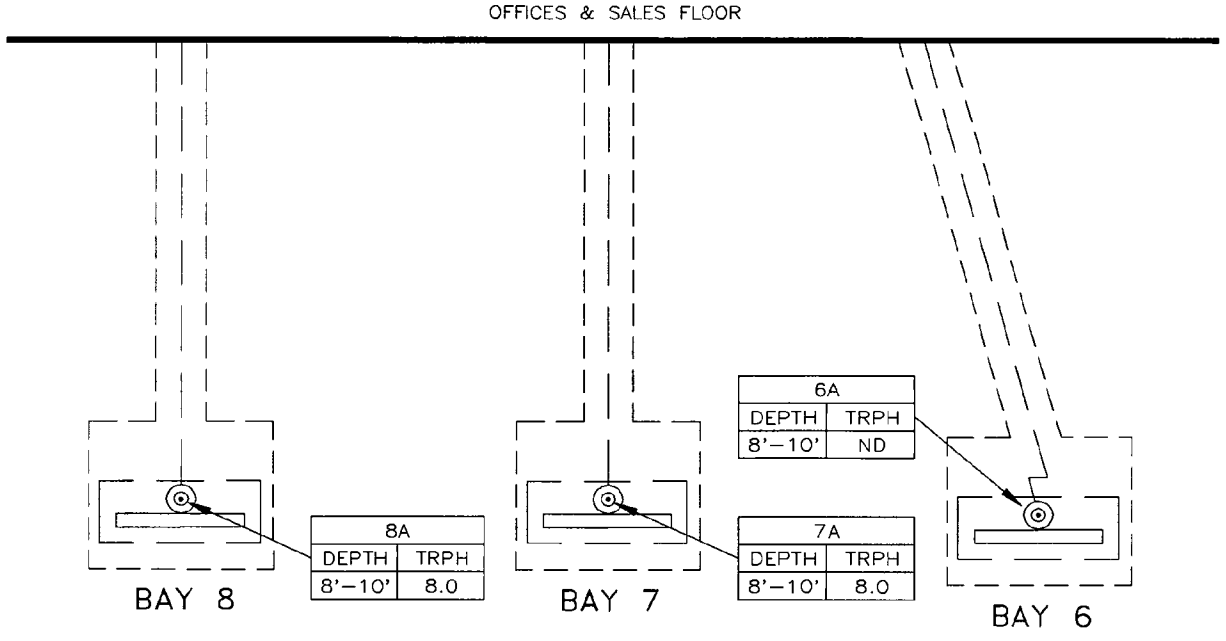
FLUOR DANIEL GTI
120 S. RIVERSIDE PLAZA
CHICAGO, ILL. 60606
(312) 368-3500

REV. NO.:	ACAD FILE:	DRAWING DATE:
1	0568SS97	11/20/97

SOIL SAMPLE LOCATION MAP

CLIENT:	PM:
SEARS, ROEBUCK AND CO. FACILITY #1310	
LOCATION: 4900 MIDWAY BOULEVARD ELYRIA, OHIO	PE/RG:

DESIGNED:	DETAILED:	PROJECT NO.:	FIGURE:
JF	TS	01201-0568	2



LEGEND

- LIFT POST
- APPROXIMATE LIMIT OF EXCAVATION
- CULVERT
- SAMPLE LOCATION
- ND NOT DETECTED

DATA BOX LEGEND

AA1:8' ← SAMPLE ID	
DEPTH	TRPH
8.0'	19,709

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (MILLIGRAMS PER KILOGRAM)

SAMPLE DEPTH (FEET BELOW GRADE)

N

0 6 12

SCALE FEET

FLUOR DANIEL GTI
120 S. RIVERSIDE PLAZA
CHICAGO, ILL. 60606
(312) 368–3500

REV. NO.:	ACAD FILE:	DRAWING DATE:
1	0568SA97	11/20/97

SOIL SAMPLE ANALYTICAL DATA

CLIENT:	PM:
SEARS, ROEBUCK AND CO. FACILITY #1310	
LOCATION:	PE/RG:
4900 MIDWAY BOULEVARD ELYRIA, OHIO	

DESIGNED:	DETAILED:	PROJECT NO.:	FIGURE:
JF	TS	01201–0568	3

TABLES

TABLES

TABLE 1
Soil Sample Analytical Results

(Results expressed as milligrams per kilogram)

Sears Facility #1310/6060
4900 Midway Boulevard
Elyria, Ohio

Lift System	Sample ID	Sample Location	Sample Date	Sample Depth	TRPH[a]	PCBs[b]	BTEX[c]
HLS #6	6A	bottom	08/20/97	8-10	ND	NA	NA
HLS #7	7A	bottom	08/20/97	8-10	8	ND	NA
HLS #8	8A	bottom	08/20/97	8-10	8	NA	ND

Source: TEG Mid-America, St. Louis, Missouri, 1997

Notes: Depths listed in feet below ground surface (bgs). "NA" indicates the soil sample was not analyzed for that specific method/constituent. "ND" indicates constituents not detected at or above the laboratory reporting limit.

[a] total recoverable petroleum hydrocarbons, according to EPA Method 418.1
[b] polychlorinated biphenyls, according to EPA Method 8080
[c] benzene, toluene, ethylbenzene, and total xylenes, according to EPA Method 8020

TABLE 2
Composite Soil Sample Analytical Results

(Results expressed as milligrams per kilogram, unless otherwise noted)

Sears Facility #1310/6060
4900 Midway Boulevard
Elyria, Ohio

Sample ID	Sample Date	TCLP Metals[a]	BTEX[b]	TRPH[c]
Soil Composite	08/21/97	ND	ND	31

Source: NEI/GTEL Environmental Laboratories, Inc., Wichita, Kansas, 1997.

Notes: "ND" indicates constituent not detected at or above the laboratory reporting limit.

[a] toxicity characteristic leaching procedures metals, according to EPA Methods 6000/7000 series; reported in milligrams per liter
[b] benzene, toluene, ethylbenzene, and total xylenes, according to EPA Method 8020
[c] total recoverable petroleum hydrocarbons, according to EPA Method 418.1

A

ATTACHMENT A

SOIL DISPOSAL DOCUMENTATION

NON-HAZARDOUS WASTE MANIFEST NO. 2981

GENERATOR:

Sears and Roebuck 1310

4900 Midway Blvd.

Elyria, Ohio 44035

Carrier: JMW Trucking

Vehicle No.: 37 Box 25-2

DELIVER TO:

- [X] COUNTYWIDE RDF (E. SPARTA, OHIO)
- [ ] ELDA RDF (CINCINNATI, OHIO)
- [ ] EVERGREEN RDF (NORTHWOOD, OHIO)
- [ ] STONY HOLLOW RDF (DAYTON, OHIO)
- [ ] SUBURBAN RDF (BROWNSVILLE, OHIO)
- [ ]

Company Responsible for Disposal Charges: _____

Profile No.	Name of Waste Stream	Apx. Volume	Act. Weights
474653	Contaminated Soil		Gross Wt:
			Tare Wt:
			Net Wt:
Account # 0013576			

Generator: _____ Date: _____

Transporter: JMW Trucking Inc. [signature] Date: 9-23-97

Received at Disposal Facility: [signature] Date: 9-23-97

DISPOSAL FACILITY

(DRIVER: PLEASE SIGN BELOW)

(PLEASE SIGN HERE) [signature]

REFERENCE NO. 283592

011049

COUNTYWIDE RDF
3619 GRACEMONT AVE. S.W.
EAST SPARTA OH 44626
(216)874-3855

CUSTOMER NO. 0013576 | TRUCK NO. 5720 | INITIALS LAS | TIME 14:32:04 | DATE 09/23/97 | BATCH NO.

CUSTOMER: ELDUR DANIEL GTI INC
220 SOUTH RIVERSIDE

MANIFEST NO. 474653

PERMIT NO.

LOAD CODE | LOAD DESCRIPTION | LOAD QUANTITY | AMOUNT

COPY 1

COPY

011073

REFERENCE NO. 283631

(DRIVER: PLEASE SIGN BELOW)

(PLEASE SIGN HERE)

COUNTYWIDE RDF
3619 GRACEMONT AVE. S.W.
EAST SPARTA OH 44626
(216)874-3855

CUSTOMER NO. 0013576 | TRUCK NO. 3720 | INITIALS LAS | TIME 15:43:00 | DATE 09/23/97 | BATCH NO.

CUSTOMER:

MANIFEST NO. 474653 | PERMIT NO.

LOAD CODE | LOAD DESCRIPTION | LOAD QUANTITY | AMOUNT

COPY 1

NON-HAZARDOUS WASTE MANIFEST NO. 2980

GENERATOR:

Sears and Roebusck 1310

4900 Midway Blvd.

Elyria, Ohio 44035

Carrier: JMW Trucking

Vehicle No.: 37-Box 25-10

DELIVER TO:

- [X] COUNTYWIDE RDF (E. SPARTA, OHIO)
- [ ] ELDA RDF (CINCINNATI, OHIO)
- [ ] EVERGREEN RDF (NORTHWOOD, OHIO)
- [ ] STONY HOLLOW RDF (DAYTON, OHIO)
- [ ] SUBURBAN RDF (BROWNSVILLE, OHIO)
- [ ]

Company Responsible for Disposal Charges:

Profile No.	Name of Waste Stream	Apx. Volume	Act. Weights
474653	Contaminated Soil		Gross Wt:
			Tare Wt:
			Net Wt:
Account# 0013576			

Generator: _____ Date: _____

Transporter: JMW Trucking Inc. Date: 9-23-97

Received at Disposal Facility: _____ Date: 9-23-97

DISPOSAL FACILITY

COPY

B

ATTACHMENT B

ANALYTICAL LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTATION

September 8, 1997

Mr. John Frankenthal
Fluor Daniel GTI
120 South Riverside Plaza, Suite 2000
Chicago, IL 60606

SUBJECT: DATA REPORT - Fluor Daniel GTI Project #01201-0568
Sears Facility #1310/6060
4900 Midway Blvd.
Elyria, OH

TEG Project # 970820T4

Mr. Frankenthal:
Enclosed, please find the data report for the above referenced location. Soil samples were analyzed on-site in TEG's mobile laboratory.

Project Summary

The following analyses were conducted:

- 3 soils for total recoverable petroleum hydrocarbons by EPA Method 418.1.
- 1 soil for Benzene, Toluene, Ethylbenzene and Xylenes by EPA Method 8020.
- 1 soil for Polychlorinated Biphenyls by EPA Method 8080.

Samples were received on-site in appropriate containers with appropriate labels, seals, and chain-of-custody documentation.

Project Narrative

The results for all analyses and required QA/QC analyses are summarized in the enclosed tables. All calibrations, blanks, and spike recoveries fulfill quality control criteria.

TEG Mid-America appreciates the opportunity to provide analytical services to **Fluor Daniel GTI** on this project. If you have any questions relating to this data or report, please do not hesitate to contact us.

Sincerely,

Mr. Hermon Atkinson
President
TEG Mid-America

cc: Jessica Nichols
Fluor Daniel GTI
1281 Kennestone Circle, NW, Suite 100
Marietta, GA 30066

FLUOR DANIEL GTI PROJECT #01201-0568
Sears #1310/6060
4900 Midway Blvd.
Elyria, OH

TEG Project #970820T4

TRPH (EPA Method 418.1) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	TRPH (mg/kg)
METHOD BLANK	8/20/97	ND
6A (8-10')	8/20/97	ND
6A (8-10') DUP	8/20/97	ND
7A (8-10')	8/20/97	8
8A (8-10')	8/20/97	8

DETECTION LIMITS	5

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE LABORATORY
ANALYSES PERFORMED BY: Wes Robb
DATA REVIEWED BY:

Hermon Atkinson

Hermon Atkinson
President
TEG Mid-America

FLUOR DANIEL GTI PROJECT #01201-0568
Sears #1310/6060
4900 Midway Blvd.
Elyria, OH

TEG Project #970820T4

BTEX (EPA Method 8020 Modified) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	MTBE (mg/kg)	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYLBENZ (mg/kg)	XYLENES (mg/kg)
METHOD BLANK	9/2/97	ND	ND	ND	ND	ND
8A (8-10')	9/2/97	ND	ND	ND	ND	ND
8A (8-10') DUP	9/2/97	ND	ND	ND	ND	ND
DETECTION LIMITS		0.025	0.025	0.025	0.025	0.025

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS
ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE LABORATORY
ANALYSES PERFORMED BY: Hermon Atkinson
DATA REVIEWED BY:

Hermon Atkinson
President
TEG Mid-America

FLUOR DANIEL GTI PROJECT #01201-0568
Sears #1310/6060
4900 Midway Blvd.
Elyria, OH

TEG Project #970820T4

PCB (8080) ANALYSES OF SOILS

SAMPLE NUMBER	DATE ANALYZED	1221 (mg/kg)	1232 (mg/kg)	1242 (mg/kg)	1248 (mg/kg)	1254 (mg/kg)	1260 (mg/kg)	SURROGATE (%REC)
METHOD BLANK	8/29/97	ND	ND	ND	ND	ND	ND	97.0%
7A (8-10')	8/29/97	ND	ND	ND	ND	ND	ND	104.0%
DETECTION LIMITS		0.05	0.05	0.05	0.05	0.05	0.05	65%-135%

ND INDICATES NOT DETECTED AT LISTED DETECTION LIMITS
ANALYSES PERFORMED BY: TEG Northwest
DATA REVIEWED BY:

Hermon Atkinson
President
TEG Mid-America

QA/QC REPORT - MS/MSD DATA

ANALYSIS DATE : 08/20/97

TEG Project #970820T4

MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
TRPH	500	492	98.4%	509	101.8%	3.4%	15%	75% - 125%

ANALYSIS DATE : 09/02/97

MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

COMPOUND	SPK CONC (ug/kg)	MS CONC (ug/kg)	%REC MS	MSD CONC (ug/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
MTBE	50.0	52.4	104.9%	56.4	112.8%	7.3%	15%	75% - 125%
BENZENE	50.0	50.4	100.8%	54.6	109.2%	8.1%	15%	75% - 125%
TOLUENE	50.0	49.4	98.7%	50.6	101.2%	2.5%	15%	75% - 125%
ETHYLBENZENE	50.0	50.8	101.6%	50.4	100.9%	0.7%	15%	75% - 125%
TOTAL XYLENES	150.0	164.3	109.5%	142.5	95.0%	14.2%	15%	75% - 125%

ANALYSIS DATE : 8/29/97

MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) FOR SOILS

COMPOUND	SPK CONC (mg/kg)	MS CONC (mg/kg)	%REC MS	MSD CONC (mg/kg)	%REC MSD	RPD	ACCEPTABLE RPD	ACCEPTABLE RECOVERY
PCB (1254)	1.00	1.12	112.0%	1.05	105.0%	6.5%	15%	75% - 125%

SPK CONC - CONCENTRATION SPIKED INTO MATRIX
MS CONC - ANALYZED CONCENTRATION OF SPIKED SAMPLE
% REC - PERCENT RECOVERY OF SPIKE FROM MATRIX
RPD - RELATIVE PERCENT DIFFERENCE BETWEEN MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES

418.1 ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE LABORATORY
ANALYSES PERFORMED BY: Wes Robb
PCB ANALYSES PERFORMED ON-SITE BY: TEG - NORTHWEST
DATA REVIEWED BY:

Hermon Atkinson
President
TEG Mid-America

QA/QC REPORT - CALIBRATION DATA

DAILY CALIBRATION DATE : 08/20/97

TEG Project #970820T4

COMPOUND	INITIAL CALIB DATE	INITIAL RF	%RSD	OPENING AREA	OPENING RF	OPENING %DIFF	CLOSING / LCS AREA	CLOSING / LCS RF	CLOSING / LCS %DIFF
TRPH	3/16/95	652.60	5.7%	0.776	644.33	1.3%	0.776	644.33	1.3%
MTBE	9/2/97	22.564	13.8%	569.2	22.77	0.9%	576	23.02	2.0%
BENZENE	9/2/97	103.00	12.9%	2749.6	109.98	6.8%	2758	110.30	7.1%
TOLUENE	9/2/97	94.21	7.8%	2369.9	94.80	0.6%	2586	103.42	9.8%
ETHYLBENZENE	9/2/97	65.99	10.5%	1741.0	69.64	5.5%	1665	66.60	0.9%
m&p-XYLENES	9/2/97	77.59	12.3%	3969.0	79.38	2.3%	3875	77.50	0.1%
o-XYLENES	9/2/97	45.97	14.1%	1049.6	41.98	8.7%	1022	40.88	11.1%

INITIAL RF - AVERAGE RESPONSE FACTOR FROM MULTIPOINT CALIBRATION CURVE
% RSD - LINEARITY OF MULTIPOINT CALIBRATION CURVE (+/- 20% ACCEPTABLE LIMITS)
AREA - AREA COUNTS FROM DAILY CALIBRATION STANDARD
RF - DETECTOR RESPONSE FACTOR FROM MID-POINT CALIBRATION STANDARD
% DIFF - DIFFERENCE, IN PERCENT, BETWEEN THE AVERAGE RF AND THE OPENING OR CLOSING RF
OPENING - MID-POINT CALIBRATION STANDARD ANALYZED BEFORE SAMPLE ANALYSES BEGIN
CLOSING - MID-POINT CALIBRATION STANDARD ANALYZED AFTER SAMPLES ANALYSES ARE COMPLETE

ANALYSES PERFORMED ON-SITE IN TEG'S MOBILE LABORATORY
ANALYSES PERFORMED BY: Wes Robb
DATA REVIEWED BY:

Hermon Atkinson
President
TEG Mid-America

TEG Mid-America

13818 Clayton Road
St. Louis, MO 63017-8407
(314) 878-8185 Fax (314) 878-8304

CHAIN-OF-CUSTODY RECO[RD]

P.O. #:

CLIENT: Sears # 6060 / 1310
ADDRESS: 4900 Midway Blvd. / Elyria OH
PHONE: FAX:
CLIENT PROJECT #: 01201-0566 PROJECT MANAGER: Jessica Nichols

DATE: 8/20/97 PAGE 1 OF OUTSIDE LAB #
TEQ PROJECT #: 9708207Y
LOCATION: 4900 Midway Mall Blvd, Elyria, OH
COLLECTOR: ~~[illegible]~~ WR Thomas Huesing DATE OF COLLECTION: 8/2[illegible]

Sample Number	Depth	Time	Sample Type	Container Type	VOA 8010	VOA 8020	VOA 8240	SEMI VOL 8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 8100	PEST/PCB 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	[illegible]	VOC PCB[illegible]	BTEX		Field Notes	Total Number Of Containers	Laboratory
8A	8-10'	1430	Soil	2oz jar					X																		
6A	8-10'	1605	Soil	2 oz jar					x												8-25-97 [illegible]						
7A	8-10'	1845	Soil	2 oz jar					X													X	X				

RELINQUISHED BY: (Signature) [signature] DATE/TIME 8/20/97 2007 RECEIVED BY: (Signature) Wesley G. Robb[illegible] DATE/TIME 8/20/97 2010
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE RECEIPT
TOTAL NUMBER OF CONTAINERS
CHAIN OF CUSTODY SEALS Y / N / NA
SEALS INTACT? Y / N / NA
RECEIVED GOOD CONDITION / COLD
NOTES:

LABORATORY NOTES:

SAMPLE DISPOSAL INSTRUCTIONS
☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

TEG Mid-America
13818 Clayton Road
St. Louis, MO 63017-8407
(314) 878-8185 Fax (314) 878-8304

CHAIN-OF-CUSTODY RECORD

P.O. #: _____

CLIENT: Sears # 6060 / 1310
ADDRESS: 4900 Midway Blvd. / Elyria OH
PHONE: _____ FAX: _____
CLIENT PROJECT #: 01201-0568 PROJECT MANAGER: Jessica Nichols

DATE: 8/20/97 PAGE 1 OF _____ OUTSIDE LAB # _____
TEG PROJECT #: 97082014
LOCATION: 4900 Midway Mall Blvd, Elyria, OH
COLLECTOR: ~~Jessica~~ WR James Huening DATE OF COLLECTION: 8/20

Sample Number	Depth	Time	Sample Type	Container Type	VOA 60/8010	VOA 602/8020	VOA 624/8240	SEMI VOL 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	HEX CHROME	ORGANIC LEAD	TOTAL LEAD	pH	ASBESTOS	METALS	Field Notes	Total Number Of Containers	Laboratory Note Number
8A	8-10'	1430	Soil	2oz jar				X															
6A	8-10'	1605	Soil	2 oz jar				X															
7A	8-10'	1845	Soil	2 oz jar				X															

RELINQUISHED BY: (Signature) J. T. K. DATE/TIME 8/20/97 2007 RECEIVED BY: (Signature) Wesley G. Robb DATE/TIME 8/20/97 2010
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) DATE/TIME

SAMPLE DISPOSAL INSTRUCTIONS
☐ TEG DISPOSAL @ $2.00 each ☐ Return ☐ Pickup

SAMPLE RECEIPT	
TOTAL NUMBER OF CONTAINERS	
CHAIN OF CUSTODY SEALS Y / N / NA	
SEALS INTACT? Y / N / NA	
RECEIVED GOOD CONDITION / COLD	
NOTES:	

LABORATORY NOTES:

— ZPM —

JF

NEI/GTEL
ENVIRONMENTAL LABORATORIES, INC.

Midwest Region
4211 May Avenue
Wichita, KS 67209
(316) 945-2624
(800) 633-7936
(316) 945-0506 (FAX)

August 29, 1997

Jessica Nichols
FLUOR DANIEL GTI, INC.
1281 Kennestone Circle Nw
Suite 100
Marietta, GA 30066

RE: NEI/GTEL Client ID: 012010568
Login Number: W7080370
Project ID (number): 012010568
Project ID (name): SEARS/6060/4900 MIDWAY BLVD/ELYRIA/OH

Dear Jessica Nichols:

Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 08/22/97 under Chain-of-Custody Number(s) 31298.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by NEI/GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes. This report is to be reproduced only in full.

NEI/GTEL is certified by the State of Kansas under Certification Number E-10103.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
NEI/GTEL Environmental Laboratories, Inc.

Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS
Results For Multiple Methods

NEI/GTEL Client ID: 012010568
Login Number: W7080370
Project ID (number): 012010568
Project ID (name): SEARS/6060/4900 MIDWAY BLVD/ELYRIA/OH

Method: See Below
Matrix: Solids

	NEI/GTEL Sample Number	W7080370-01	--	--	--
	Client ID	WASTE COMPOSITE	--	--	--
	Date Sampled	08/21/97	--	--	--
EPA 1311/6010A	Date Prepared	08/28/97	--	--	--
EPA 1311/6010A	Date Analyzed	08/29/97	--	--	--
EPA 1311/6010A	Dilution Factor	4.00	--	--	--
EPA 1311/7470A	Date Prepared	08/29/97	--	--	--
EPA 1311/7470A	Date Analyzed	08/29/97	--	--	--
EPA 1311/7470A	Dilution Factor	2.00	--	--	--

Analyte		Reporting Limit	Units				
Inorganics (MT, WC)							
Arsenic	EPA 1311/6010A	0.10	mg/L	< 0.40	--	--	--
Barium	EPA 1311/6010A	1.0	mg/L	< 4.0	--	--	--
Cadmium	EPA 1311/6010A	0.020	mg/L	< 0.080	--	--	--
Chromium	EPA 1311/6010A	0.020	mg/L	< 0.080	--	--	--
Lead	EPA 1311/6010A	0.10	mg/L	< 0.40	--	--	--
Mercury	EPA 1311/7470A	0.0040	mg/L	< 0.0080	--	--	--
Selenium	EPA 1311/6010A	0.040	mg/L	< 0.16	--	--	--
Silver	EPA 1311/6010A	0.020	mg/L	< 0.080	--	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 1311/6010A:

Digestion for Total Metals by EPA Method 3010A.

EPA 1311/7470A:

Digestion is method specific.

EPA 1311/6010A, EPA 1311/7470A:

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including Update 2. TCLP is performed as per 40 CFR, Part 261, Appendix II - EPA Method 1311.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: 012010568
Login Number: W7080370
Project ID (number): 012010568 Method: EPA 8020A
Project ID (name): SEARS/6060/4900 MIDWAY BLVD/ELYRIA/OH Matrix: Low Soil

NEI/GTEL Sample Number	W7080370-01	--	--	--
Client ID	WASTE COMPOSITE	--	--	--
Date Sampled	08/21/97	--	--	--
Date Analyzed	08/26/97	--	--	--
Dilution Factor	1.00	--	--	--

Analyte	Reporting Limit	Units	Concentration:Wet Weight			
Benzene	1.0	ug/kg	< 1.0	--	--	--
Toluene	2.0	ug/kg	< 2.0	--	--	--
Ethylbenzene	2.0	ug/kg	< 2.0	--	--	--
Xylenes (total)	4.0	ug/kg	< 4.0	--	--	--
Percent Solids	--	%	82.0	--	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

"Test Methods for Evaluating Solid Waste. Physical/Chemical Methods". SW-846. Third Edition including promulgated Update II.

ANALYTICAL RESULTS
Total Petroleum Hydrocarbons

NEI/GTEL Client ID: 012010568
Login Number: W7080370
Project ID (number): 012010568
Project ID (name): SEARS/6060/4900 MIDWAY BLVD/ELYRIA/OH

Method: EPA 418.1 MOD
Matrix: Solids

NEI/GTEL Sample Number	W7080370-01	--	--	--
Client ID	WASTE COMPOSITE	--	--	--
Date Sampled	08/21/97	--	--	--
Date Prepared	08/26/97			
Date Analyzed	08/27/97	--	--	--
Dilution Factor	1.00	--	--	--

Analyte	Reporting Limit	Units	Concentration:Wet Weight			
Total Petroleum Hydrocarbons	10.	mg/kg	31.	--	--	--
Percent Solids	--	%	82.0	--	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 418.1 MOD:

Methods for Chemical Analysis of Water and Wastes. EPA 600/4-79-020. US EPA. Extraction modified for soils using EPA 3550 (sonication).

GTEL ENVIRONMENTAL LABORATORIES, INC.

4211 MAY AVE.
WICHITA, KS 67209
(316) 945-2624
(800) 633-7936

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

31298

Company Name: Fluor Daniel GTI
Phone #: 770-[illegible]-9000
FAX #: 770-499-9933
Company Address: Marietta, GA
Site location: Sears # 6060, 1900 Midway Blvd/[illegible] OH
Project Manager: Jessica Nichols
Client Project ID: (#) 01701-0568
(NAME)
Sampler Name (Print): James T. [illegible]

I attest that the proper field sampling procedures were used during the collection of these samples.

Field Sample ID	GTEL Lab # (Lab use only)	# Containers	Matrix	Method Preserved	Sampling Date	Sampling Time	Analysis
[illegible] Composite	31	4	SOIL X	ICE X, UNPRESERVED X	[illegible]	1045	BTEX/602 X

GTEL Lab # (handwritten across rows): 4708-03-40

Analysis columns: BTEX/602 ☐ 8020 ☒ with MTBE ☐; BTEX/Gas Hydrocarbons PID/FID ☐ with MTBE ☐; Hydrocarbons GC/FID Gas ☐ Diesel ☐ Screen ☐; Hydrocarbon Profile (SIMDIS) ☐; Oil and Grease 413.1 ☐ 413.2 ☐ SM 503 ☐; TPH/IR 418.1 ☒ SM 503 ☐; EDB by 504 ☐ DBCP by 504 ☐; EPA 503.1 ☐ EPA 502.2 ☐; EPA 601 ☐ EPA 8010 ☐; EPA 602 ☐ EPA 8020 ☐; EPA 608 ☐ 8080 ☐ PCB only ☐; EPA 624/PPL ☐ 8240/TAL ☐ NBS (+15) ☐; EPA 625/PPL ☐ 8270/TAL ☐ NBS (+25) ☐; EPA 610 ☐ 8310 ☐; EP TOX Metals ☐ Pesticides ☐ Herbicides ☐; TCLP Metals ☒ VOA ☐ Semi-VOA ☐ Pest ☐ Herb ☐; EPA Metals - Priority Pollutant ☐ TAL ☐ RCRA ☐; CAM Metals TTLC ☐ STLC ☐; Lead 239.2 ☐ 200.7 ☐ 7420 ☐ 7421 ☐ 6010 ☐; Organic Lead ☐; Corrosivity ☐ Flash Point ☐ Reactivity ☐

Matrix: WATER, SOIL, AIR, SLUDGE, PRODUCT, OTHER
Method Preserved: HCl, HNO_3, H_2SO_4, ICE, UNPRESERVED, OTHER (SPECIFY)

TAT
Priority (24 hr) ☐
Expedited (48 hr) ☐
Business Days ☐
Other ____ Business Days ☐

Special Handling
GTEL Contact ____
Quote/Contract # ____
Confirmation # ____
PO # ____

QA / QC LEVEL
BLUE ☐ CLP ☐ OTHER ____

SPECIAL DETECTION LIMITS

SPECIAL REPORTING REQUIREMENTS

FAX ☐

REMARKS: Fax analytical results to Jessica Nichols : 770-499-9933

Lab Use Only Lot #
Storage Location:
Work Order #

CUSTODY RECORD

Relinquished by	Date	Time	Received by
Relinquished by Sampler: James T. [illegible]	[illegible]	1319	Received by:
Relinquished by:			Received by:
Relinquished by:	[illegible]	[illegible]	Received by Laboratory: [illegible signature]

Waybill #

Rev. 7/91