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November 10, 2004

Mr. Subhash Pal
Project Manager
Superfund Cleanup Section
Texas Commission on Environmental Quality
12100 Park 35 Circle, Bldg. D
Austin, Texas 78753

Re: Remedial Investigation - CPT
August 2004
Jones Road Superfund Site
Houston, Texas

Dear Mr. Pal:

Shaw Environmental, Inc. (Shaw) is pleased to present to the Texas Commission on Environmental Quality (TCEQ) this letter report which summarizes the results of the Remedial Investigation (RI) - Cone Penetration Technology (CPT) related field work conducted at the above-referenced site in late August, 2004. This letter report is not intended to be a final report nor does it preclude or serve in the place of the Remedial Investigation Technical Memorandum; rather, this letter report provides a summary of results and preliminary conclusions based on Shaw's interpretations of the currently available data.

The objective of this specific phase of the investigation included:

- To investigate if another potential source of groundwater contamination exists within the area defined by the Jones Road groundwater plume. This CPT field activity was prompted by the photograph (Photo 2, Roll 2) taken on March 19, 2002 and included in the document "Hazard Ranking System Documentation Record – Jones Road Groundwater Plume" prepared by the TCEQ in cooperation with the U.S. Environmental Protection Agency Region VI (April 2003). The photo shows a 55-gallon drum containing what is identified as dry cleaning solvent elevated on a drum cradle and sitting on its side so that the solvent can be dispensed on an as needed basis. Below the drum there is a plastic catch basin to collect any spillage (Attachment 1).
- Install a total of ten CPT borings in the vicinity of this photograph and identify shallow subsurface lithology and test the shallow groundwater matrix in this area for potential groundwater contamination.

All groundwater samples were collected using Fugro Geosciences, Inc. (Fugro) CPT rig that utilizes direct push technology (DPT). Soil samples were not collected as part of this assessment. All collected groundwater samples were submitted to Liberty Analytical, in Cary, North Carolina as part of the EPA Contract Laboratory Program (CLP). All sample analyses were run for volatile organic compounds (VOCs) using the CLP Method OLCO3.2. In addition, field screening of groundwater samples for PCE was also performed in the field using the Color-tec procedure.

Summary of CPT Field Activities

Prior to mobilization into the field to conduct this CPT investigation, Shaw personnel met with a TCEQ representative and a representative from Fugro to inspect the proposed CPT locations in the field. The proposed CPT locations were selected to target the area surrounding the photograph of the drum found in the Hazard Ranking System report. This photograph was reportedly taken at the southeastern corner of the property located at 10825 Barely Lane. However, since access to the property at 10825 Barely Lane is limited only to the collection of water samples from their private well, the proposed CPT locations were targeted to the property immediately to the east (10819 Barely Lane) and south (10902 Tower Oaks Blvd.). Specifically, six CPT locations were proposed along the northern portion of the property at 10902 Tower Oaks Boulevard (CPT40 through CPT45) and the remaining four CPT locations (CPT46 through CPT49) were proposed along the southwestern boundary of the property at 10819 Barely Lane (Figure 1). The objectives of this field activity were to identify the subsurface lithology in this area and to collect groundwater samples to determine if shallow groundwater had been impacted.

A total of ten CPT locations were installed during this field effort which began on August 25, 2004 and concluded on August 27, 2004. Due to the existence of underground septic lines at one of the locations, two types of CPT units were utilized to conduct the field activities. First a truck mounted CPT rig was used to push locations CPT40 through CPT45 on 10902 Tower Oaks property. This unit has a 20-ton pushing capacity hydraulic ram assembly mounted inside a 20-ton all-wheel drive vehicle and would provide maximum pushing capabilities. The second CPT unit was a track-mounted unit which has an 8½-ton pushing capacity. This unit was used on the property located at 10819 Barely Lane because the unit had to cross a septic field to reach the desired locations (CPT46 through CPT49). Each unit provided a continuous record of "real time" tip resistance and sleeve friction from the cone that were simultaneously plotted on a chart in the CPT unit. Based upon the tip and sleeve response, the lithology could be determined. An objective of this investigation was to assess the presence and/or extent of groundwater contamination in the shallow aquifer; therefore, the underlying sand units were targeted.

Once these sand units were identified from the lithology log, a second CPT push was made to the targeted sand unit to collect a water sample. The CPT unit would move approximately three feet away from the location of the first "lithology" push to conduct the second water sample push. Fugro used their "Hydro Trap" sampler (constructed of stainless steel with a screened interval approximately 18 inches long with 0.004" screen openings) to collect a water sample at a discrete depth from the second push. The "Hydro Trap" groundwater sampler was a discrete depth sampler. While hydraulically pushing, the screen is protected by a stainless steel sleeve to prevent clogging and cross contamination. The "Hydro Trap" was advanced approximately 18 inches beyond the targeted sand depth and the sleeve was pulled back to expose the screen to the water bearing zone. A stainless steel bailer was then lowered through the pipe string to collect a groundwater sample. A Shaw geologist was on site to oversee each CPT push, perform field screening using Color Tec, and also to collect all groundwater samples.

Groundwater samples were collected in three 40 ml pre-cleaned VOA vials preserved with HCL as required by the Field Sampling Plan (FSP). The samples were shipped daily to Liberty Analytical for analysis of VOCs by the CLP Method OLCO3.2. Each groundwater sample collected and submitted to the laboratory for analysis was also screened in the field using the Color-tec procedure.

During this field activity, a total of 514 feet of rods were pushed to gather stratigraphic data and another 346.5 feet of rods were pushed to collect groundwater samples (Table 1). Two sand units were identified with the CPT tool; one at approximately 28 - 30 feet below ground surface (bgs) and a second at approximately 60 - 70 feet bgs. The shallow sand unit was the target for the majority of groundwater pushes. However, in both CPT locations CPT43 and CPT45, the deeper sand was the zone of interest. The lithology plot from the push at location CPT43 did not show the potential for groundwater within this unit, therefore a water sample was not collected at this location. At location CPT45, the deeper sand zone was tested, but it did not yield water,

therefore a second shallow push to 31 feet bgs was made and a groundwater sample was collected. In total, nine groundwater samples were collected from the ten CPT locations and submitted to Liberty Analytical for analysis. In accordance with the requirements defined in the TCEQ Superfund Cleanup Section Quality Assurance Project Plan (QAPP), an additional three duplicates, three equipment blanks, three field blanks, and three trip blank samples were collected during this field effort and submitted to Liberty Analytical for analysis.

Upon completion of each CPT push at a location, all downhole equipment was decontaminated using a steam cleaner. Decontamination water was collected in a self-contained unit and transferred into 55-gallon drums, then sealed, labeled, and staged behind the former Bell Dry Cleaner located at 11600 Jones Road. Each CPT borehole was pressure grouted from the bottom up using tremie pipe with a trailer-mounted ChemGrout system.

Regional Geologic/Hydrogeologic Discussion

The Jones Road Superfund site is located within the Texas Gulf Coastal Plain. The uppermost geologic formations are of Pliocene, Pleistocene, and Holocene age. These formations consist of fluvial, deltaic, coastal marsh, and lagoonal soil material and shallow sea deposits. The sedimentary deposits slope gently toward the Gulf of Mexico. The Beaumont Formation of Pleistocene Age underlies the area. This formation consists of river delta and over-bank flood deposits composed of clays and interbedded silts and fine sands that were deposited by rivers at various stages of flow and flood. The soils were exposed to air-drying after deposition and the resulting shrinkage caused the clay to become generally stiff and over consolidated.

Records from State of Texas Water Well Report's available for domestic wells near the site suggest that the shallow (<300 ft below ground surface [bgs]) lithology consists of interbedded clay, sand and silt. Discrete clay horizons are identified on driller's logs of private and public water supply wells in the area.

Water for Harris County is drawn from the Chicot and Evangeline Aquifers, and from Lake Houston. Groundwater comes from mixed sources including shallow (200 to 400 ft bgs) private water supply wells, and public water sources derived from deep wells (typically greater than 600 ft bgs). Four municipal water supply wells with geophysical logs on file (greater than 200 feet bgs) have been identified at a distance of approximately 2.75 miles from the former Bell Dry Cleaners location (site).

The Chicot Aquifer (in Holocene- and Pleistocene-age sediments) and the Evangeline Aquifer (in Pliocene- and Miocene-age sediments) are the two primary aquifers in the Houston-Galveston region and are part of the Gulf Coast aquifer system. Both hydrogeologic units are laterally discontinuous, fluvial-deltaic deposits of gravel, sand, silt, and clay that dip and thicken from northwest to southeast. Both aquifers out crop in bands inland, parallel to the coast, but progressively become more deeply buried (increase in depth from bgs) and confined toward the coast. The Chicot outcrop, which comprises the youngest sediments, is the closest of the aquifer outcrops to the coast, followed farther inland by the Evangeline outcrop. The Evangeline is one of the more productive Texas aquifers, and is expected to be located at a depth of 300 to 400 feet bgs in the Jones Road area (Texas Department of Water Resources, Report 236).

The Chicot Aquifer can be differentiated from the geologically similar Evangeline Aquifer on the basis of its contrasting relatively lower transmissivity. A weak hydraulic connection between land surface and the Chicot Aquifer and between the Chicot and Evangeline Aquifers allows vertical movement of water into and between the aquifers; the aquifer system thus is characterized as "leaky" (Carr and others, 1985, p. 10).

The water in both the Chicot and Evangeline Aquifers is fresh (less than 1,000 milligrams per liter dissolved solids concentration) in the region, but becomes more saline in the downdip and deeply buried parts of the aquifers in the direction towards the coast. In the natural ground-water-flow system, water recharges the aquifers in the unconfined outcrop areas, moves downward and coastward, and discharges vertically as diffuse upward leakage in the confined downdip areas (United States Geological Survey, Open File Report 03-377).

Shallow geotechnical soil borings conducted in 1982 from an undisclosed location on Tower Oaks Boulevard (near the site) identified light gray sandy silt with clay from ground surface to 5 ft bgs, light gray and tan silty clay to an average depth of 7 ft bgs, and light gray and tan clay with some calcareous nodules from 7 ft to the total depth explored of 20 ft bgs. Groundwater was encountered at 20 ft bgs in one of the three borings.

The results of the current CPT field activities concur with the CPT investigation conducted in August and September of 2003, and also with the findings of the 1982 geotechnical soil borings. Below approximately 20 feet bgs, interbedded layers of clay, silt, and sand with nodules were observed. Groundwater bearing units (silts and sands) were not typically encountered until approximately 28 feet bgs and below. Attachment 2 provides copies of all the CPT boring logs installed during the August 2004 event.

Summary of Analytical Results

Groundwater

All groundwater samples collected were shipped to an off-site laboratory for analysis of VOCs using EPA CLP Method OLC03.2. Each groundwater sample was field screened using the Color tec procedure. The laboratory results indicated that CPT locations 41, 42, and 47 had concentrations for PCE that were present but estimated to be below the contract required quantitation limit (CRQL) of 2.0 ug/L. All remaining CPT locations were below the laboratory detection limit for PCE. In addition, all daughter products associated with the biodegradation of PCE (TCE, cis 1,2-dichloroethene, trans 1,2-dichloroethene, and vinyl chloride) were below the laboratory detection limit for all groundwater samples submitted.

Acetone, methylene chloride, methyl tert-butyl ether (MTBE), and carbon disulfide, although not listed as COC's, were detected in some of the groundwater samples analyzed by the off-site laboratory. In addition, some of the QA/QC samples also indicated detectable concentrations of these compounds. An estimated concentration for acetone of 14 ppb was reported in Field Blank #1, an estimated methylene chloride concentration of 0.45 ppb and 2.2 ppb were detected in Equipment Rinsate #1 and Trip Blank #3, a measured concentration of 8.8 ppb of MTBE was detected in Trip Blank #2, and detectable concentrations for carbon disulfide of 2,300 ppb, 83 ppb, and 74 ppb, respectively, were detected in Equipment Rinsate #1, #2, and #3. Acetone and methylene chloride at these levels of detection are most likely associated with cross contamination from the laboratories use of methylene chloride to prepare samples for analysis and acetone to clean laboratory ware. Since the MTBE was detected in a trip blank and some of the CPT samples at low levels it likely that the MTBE cross contamination is from sample collection or shipping. The carbon disulfide detections in equipment rinsates suggests that the cleaning process for the sampling equipment is the source of carbon disulfide cross contamination. Rinesate procedures will be reviewed to eliminate any potential source of carbon disulfide as a cross contaminate.

The results of the laboratory analysis can be found on Table 2, presented on Figure 2, and provided as a spreadsheet in Attachment 3. The results from the Color-tec field screening indicated false positive results at CPT locations CPT46 and CPT48, and false negative results at CPT locations CPT41 and CPT42. In only one case (CPT47) did the observance of a Color-tec result coincide with a detectable laboratory concentration for PCE.

Preliminary Conclusions

As stated previously, the objectives of this phase of the RI investigation included:

- To investigate if another potential source of groundwater contamination exists within the area defined by the Jones Road groundwater plume. This CPT field activity was prompted by the photograph (Photo 2, Roll 2) taken on March 19, 2002 and included in the document "Hazard Ranking System Documentation Record – Jones Road Groundwater Plume" prepared by the TCEQ in cooperation with the U.S. Environmental Protection Agency Region VI (April 2003). The photo shows a 55-gallon drum containing what is identified as dry cleaning solvent elevated on a drum cradle and sitting on its side so that the solvent can be dispensed on an as needed basis. Below the drum there is a plastic catch basin to collect any spillage.
- Install a total of ten CPT borings in the vicinity of this photograph and identify shallow subsurface lithology and test the shallow groundwater matrix in this area for potential groundwater contamination.

In the following text, preliminary assessment of the data (i.e., data collected during the CPT Field activities and subsequent laboratory results) with respect to each individual investigative objective will be discussed.

Identification of Shallow Subsurface Lithology

- Lithologies identified by the recent CPT investigation coincide with those found around the former Bell Dry Cleaner and appeared to be predominately silty clays and clays down to approximately 25 to 30 feet bgs.
- The presence of calcareous nodules (based upon reflections on the CPT log) appeared to be interbedded within these silty clays anywhere from 15 to 23 feet bgs.
- Potential water-bearing sands were encountered approximately 28 - 32 feet bgs.
- A second sand was encountered at approximately 60 - 70 feet bgs, however the CPT unit was unable to push the cone very far into this zone. An attempt was made to collect a water sample from this zone, however this zone would not yield any water.
- General lithologies and water-bearing sands encountered during this investigation were consistent with those encountered during previous investigations at the site.

Determination of the Extent of Groundwater Contamination

The following preliminary conclusions can be drawn from an interpretation of the results from the CPT field investigation:

Groundwater

- The contaminant mass detected at a depth of 28 -32 feet bgs in the groundwater matrix was primarily PCE. The presence of degradation daughter products (TCE, cis-DCE, VC) was not observed.
- There is minimal lateral extent to the south and east for the contaminants of interest in the sand unit present at a depth of 28 -32 feet bgs.

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- Based upon findings from the CPT investigation conducted in August 2004, the low concentrations of PCE detected in CPT locations CPT41, CPT42, CPT46, and CPT47 suggest a small point source mass of contaminants in the vicinity of property boundary between 10825 Barely Lane and 10902 Tower Oaks.

Preliminary Suggested Recommendations

- Compare chromatograph results in groundwater data for the COCs at 10902 and 10903 Tower Oaks with data collected from some of the houses on the west side of Jones Road. Also compare the current data from this CPT investigation with historical groundwater data from 10902 and 10903 Tower Oaks. The purpose of these comparisons is to see if there are any similarities or dissimilarities with the contaminant peaks on the chromatograph. Similar peaks could infer that we have the same source of contamination, while on the other hand; dissimilar peaks potentially could mean that there are different sources of contamination contributing to the groundwater plume.
- Install two shallow monitor wells, one located along the southwestern border of the property located at 10819 Barely Lane and the other located along the northeastern property located at 10902 Tower Oaks Blvd. During the monitor well installation collect a minimum of three soil samples per boring and have the analyses run for the COCs. Collect groundwater samples from these two wells for three consecutive quarters to provide conclusive data as to the magnitude of this contamination. First, the collection of soil samples would provide data of the concentrations for the COC's in this area. This might help to determine if there has been another release of contaminants in this area. Secondly, groundwater samples collected from the CPT borings only provides data from one point in time. Historical data collected from quarterly sampling events of the private water wells has shown this contaminant plume to be dynamic. Therefore, quarterly sampling of groundwater data from installed monitor wells would provide data to better determine the magnitude of impact to the shallow groundwater in this area.

This concludes the summary letter report of the Remedial Investigation- CPT Work. If you have any questions, please either contact me at 281-368-4519 or Bill Hardmant at 281-368-4599.

Sincerely,
Shaw Environmental, Inc.



Gregory Park Long
Project Manager

Attachments

FIGURES

DRAWING NUMBER 100249-A4

APPROVED BY

CHECKED BY

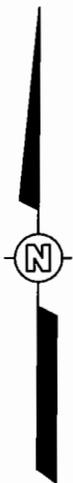
DRAWN BY J. RDZ 10/12/04

OFFICE Houston, Texas

X-REF

IMAGE

PLOT DATE: 10/12/04
FORMAT REVISION 3/25/99



10825

10819

ESTIMATED LOCATION OF PHOTOGRAPH OF DRUM



- ★ 47
- ★ 46
- ★ 49
- ★ 48

★ 44
GENUINE PARTS COMPANY
118-999 JONES ROAD

- ★ 42
- ★ 41
- ★ 40
- ★ 45
- ★ 43

BOAT/RV
STORAGE
10860

10902

CONTEMPORARY
PLASTICS
10830

TOWER OAKS BOULEVARD

10903

LEGEND:

- APPROXIMATE LOCATION OF PRIVATE WATER WELL
- ★ APPROXIMATE CPT LOCATIONS



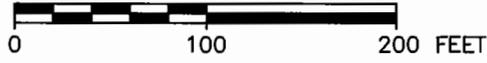
TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY

FIGURE 1

CPT LOCATION

JONES ROAD GROUNDWATER PLUME
HOUSTON, TEXAS

S C A L E



DRAWING NUMBER 100249-A5

APPROVED BY

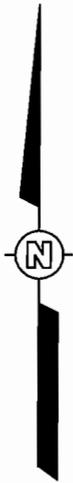
CHECKED BY

DRAWN BY J. RDZ 10/12/04

OFFICE Houston, Texas

X-REF

PLOT DATE: 10/12/04
FORMAT REVISION 3/25/99



BARELY LANE

10825

10819

ESTIMATED LOCATION OF PHOTOGRAPH OF DRUM



(PCE:0.85LJ)
★ 47
(PCE:0.59J)
★ 46 (PCE:<2.0)
★ 49
★ 48

(PCE:1.1LJ)
41

★ 44
(PCE:<2.0)

★ 42 (PCE:1.3LJ)
★ 45 (PCE:<2.0)

★ 40 (PCE:<2.0)
★ 43 (DRY)

(PCE:<2.0)

GENUINE PARTS COMPANY
118-999 JONES ROAD

BOAT/RV
STORAGE
10860

10902

CONTEMPORARY
PLASTICS
10830

TOWER OAKS BOULEVARD

10903

LEGEND:
● APPROXIMATE LOCATION OF PRIVATE WATER WELL
★ APPROXIMATE CPT LOCATIONS
PCE: TETRACHLOROETHENE CONCENTRATION IN µg/L
J ESTIMATED VALUE



TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY

FIGURE 2
PCE CONCENTRATIONS
IN GROUNDWATER
JONES ROAD GROUNDWATER PLUME
HOUSTON, TEXAS



TABLES

**TABLE 1
JONES ROAD SUPERFUND SITE
AUGUST 2004 REMEDIAL INVESTIGATION**

Location	CPT Lithology Depth (ft)	Lith Push #2	CPT H ₂ O Depth 1 st Push (ft)	CPT H ₂ O Depth 2 nd Push (ft)	CPT H ₂ O Total Footage (ft)	CPT H ₂ O Sample Depth	Total Footage Pushed at Location	Date Sampled	Color-Tec Results (ppm)	Other Samples Collected
CPT40	68.4		33		33	33	101.4	8/25/2004	ND/ND/ND	
CPT41	36		32.5		32.5	32.5	68.5	8/25/2004	ND/ND/ND	Field Blank #1, MS/MSD
CPT42	76.9		34		34	34	110.9	8/25/2004	ND/ND/ND	Equip. Blk #1, Duplicate #1
CPT43	60		0		0	Dry	60	8/26/2004	No sample collected	
CPT44	65		31		31	31	96	8/26/2004	ND/ND/ND	Duplicate #2
CPT45	67		65	31	96	Dry/31	163	8/26/2004	ND/ND/ND	Field Blank #2, Equip. Blk #2
CPT46	35.5		30		30	30	65.5	8/27/2004	ND/?/1.2	Field Blank #3, Equip. Blk #3, Duplicate #3
CPT47	33.5		30		30	30	63.5	8/27/2004	ND/ND/0.5	
CPT48	37		30		30	30	67	8/27/2004	ND/ND/0.7	
CPT49	35		30		30	30	65	8/27/2004	ND/ND/ND	MS/MSD
Total Footage	514.3	0	315.5	31	346.5		860.8			

ND Not Detected
MS/MSD Matrix Spike/Matrix Spike Duplicate

TABLE 2
JONES ROAD GROUNDWATER PLUME REMEDIAL INVESTIGATION
LABORATORY RESULTS FOR WATER SAMPLES COLLECTED DURING THE CPT INVESTIGATION
AUGUST 2004

CPT Sample ID	Depth	Tetrachloroethene	Trichloroethene	trans 1,2-Dichloroethene	cis 1,2-Dichloroethene	1,2-Dichloroethene (total)	Vinyl Chloride	Methylene Chloride	Acetone	Carbon Disulfide	MTBE	1,2,4-Trichlorobenzene	Toluene	Chloroethane	Color-Tec (# of pulls) ppm
CPT40A	33	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	35 UM	0.71 LJ	<2.0	<2.0	<2.0	<2.0	ND (3)
CPT41A	32.5	1.1 LJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	1.2 LJ	<2.0	<2.0	0.49 LJ	<2.0	ND (3)
CPT42A	34	1.3 LJ	<2.0	<2.0	<2.0	<2.0	<2.0	0.41 LJ	<20	1.2 LJ	<2.0	<2.0	<2.0	<2.0	ND (3)
CPT43-Dry															
Water sample was not collected from this location															
CPT44A	31	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	ND (3)
CPT45A	31	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	25 J	0.84 LJ	<2.0	<2.0	<2.0	<2.0	ND (3)
CPT46A	30	0.59J	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	21	<2.0	<2.0	2.0 J	<2.0	1.2 (3)
CPT47A	30	0.85 LJ	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	26 J	0.84 LJ	<2.0	<2.0	<2.0	<2.0	0.5 (3)
CPT48A	30	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	2.2 J	47 J	0.66 LJ	2.0 J	<2.0	<2.0	<2.0	0.7 (3)
CPT49A	30	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0	2.0 J	<2.0	2.0 J	<2.0	ND (3)

Note: All values in ug/L except Color-Tec (ppm)

LJ Reported concentration is an estimated value below the contract reporting quantitation limits (CRQL).

UM The concentration was not detected, however, the concentration should be used as a raised quantitation limit because of interferences or laboratory contamination

J Estimated value

TABLE 3
JONES ROAD SUPERFUND SITE
AUGUST 2004 REMEDIAL INVESTIGATION
CLP SAMPLE IDENTIFICATION KEY

CPT Location	Date Sampled	Station Location	CLP Number
CPT40	8/25/2004	CPT40A	F1345
CPT41	8/25/2004	CPT41A	F1347
CPT42	8/25/2004	CPT42A	F1349
Equipment Rinsate	8/25/2004		F1359
Field Blank 1	8/25/2004		F1362
Trip Blank 1	8/25/2004		F1365
Duplicate of CPT42A	8/25/2004		F1368
CPT43	8/26/2004	No water sample collected	
CPT44	8/26/2004	CPT44A	F1353
CPT45	8/26/2004	CPT45A	F1355
Equipment Rinsate	8/26/2004		F1360
Field Blank 2	8/26/2004		F1363
Trip Blank 2	8/26/2004		F1366
Duplicate of CPT44A	8/26/2004		F1369
CPT46	8/27/2004	CPT46A	F1357
CPT47	8/27/2004	CPT47A	F1372
CPT48	8/27/2004	CPT48A	F1373
CPT49	8/27/2004	CPT49A	F1374
Equipment Rinsate	8/27/2004		F1361
Field Blank 3	8/27/2004		F1364
Trip Blank 3	8/27/2004		F1370
Duplicate of CPT46A	8/27/2004		F1371

ATTACHMENTS

**Photograph from Hazard Ranking System Documentation Record
Jones Road Groundwater Plume – April 2003**

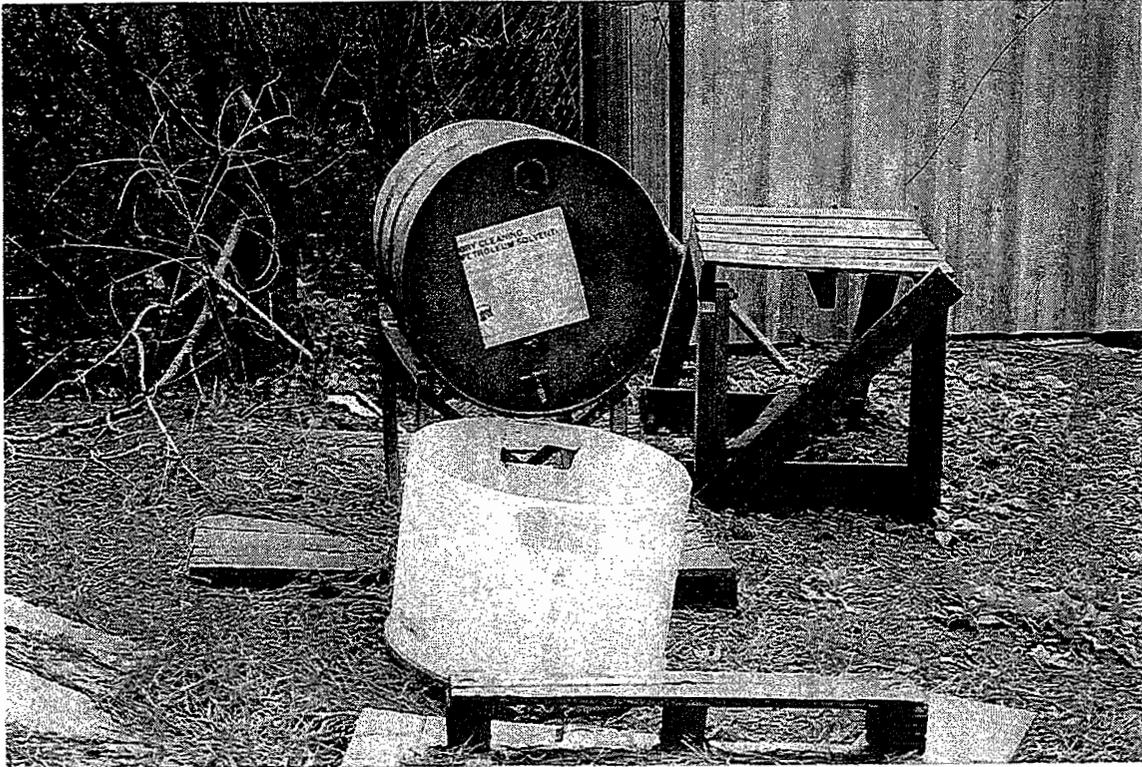


Photo 2, Roll 2. March 19, 2002. Photographer: M. Cordell. Located behind 10825 Barely Lane is a dry cleaning solvent drum. Facing: East. Date on photo is incorrect.

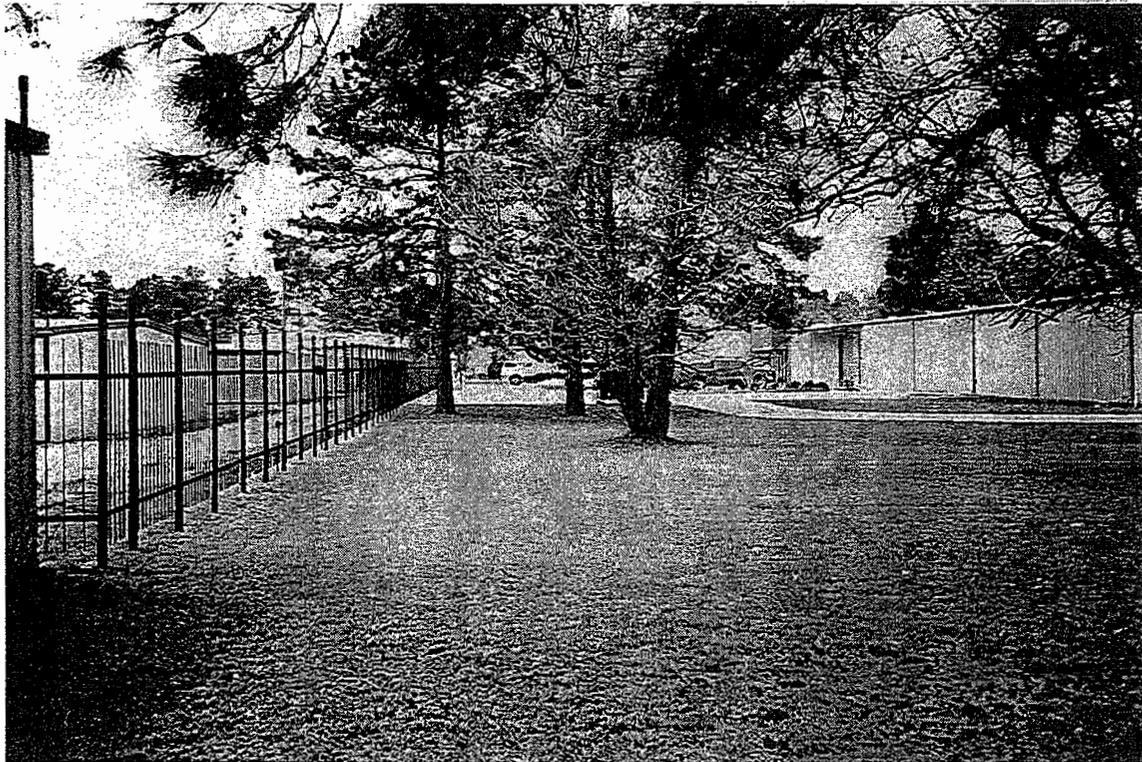


Photo 3, Roll 2. March 19, 2002. Photographer: M. Cordell. From next to the drum, looking at Finch's Gymnastics. The School of Dance is to the West. Facing: South. Date on photo is incorrect.

**CPT Boring Logs
August 2004**



FUGRO GEOSCIENCES, INC.

6105 Rookin
Houston, Texas 77074
Phone : 713-346-4000
Fax : 713-346-4002

September 13, 2004
Report Number 0305-1424

Shaw Environmental Group
1430 Enclave Parkway
Houston, Texas 77077

Attention: Mr. Bill Hardmant

**REPORT FOR
PIEZOCONE PENETRATION TESTING
AND RELATED SERVICES
JONES ROAD SUPERFUND SITE
HOUSTON, TEXAS**

Dear Mr. Hardmant:

Please find enclosed herewith the final results of the cone penetration tests conducted at the above referenced location.

For your information, the soil stratigraphy was identified using Campanella and Robertson's Simplified Soil Behavior Chart. Please note that because of the empirical nature of the soil behavior chart, the soil identification should be verified locally.

Fugro Geosciences, Inc. appreciates the opportunity to be of service to your organization. If you should have any questions, or if we can be of further assistance, please do not hesitate to contact us. We look forward to working with you in the future.

Very truly yours,
FUGRO GEOSCIENCES, INC.

A handwritten signature in black ink, appearing to read "Recep Yilmaz", written over a white background.

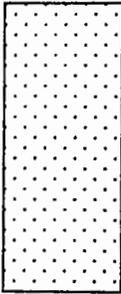
Recep Yilmaz
President

RY/jm

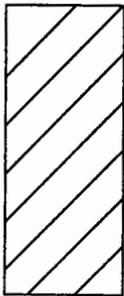
1 Diskette Enclosed



KEY TO SOIL BEHAVIOR TYPE



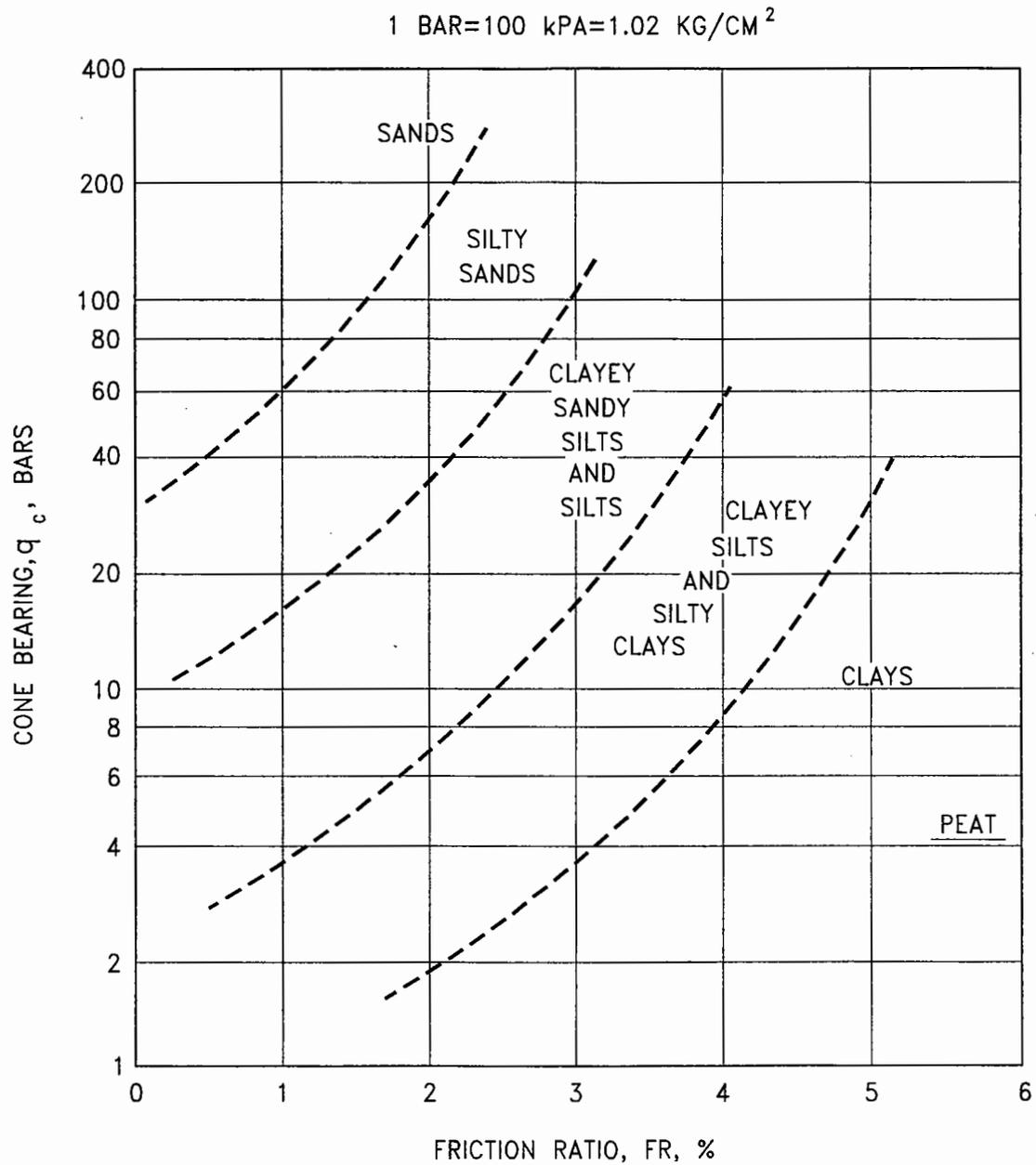
SAND AND SANDY SOIL



CLAY AND CLAYEY SOIL

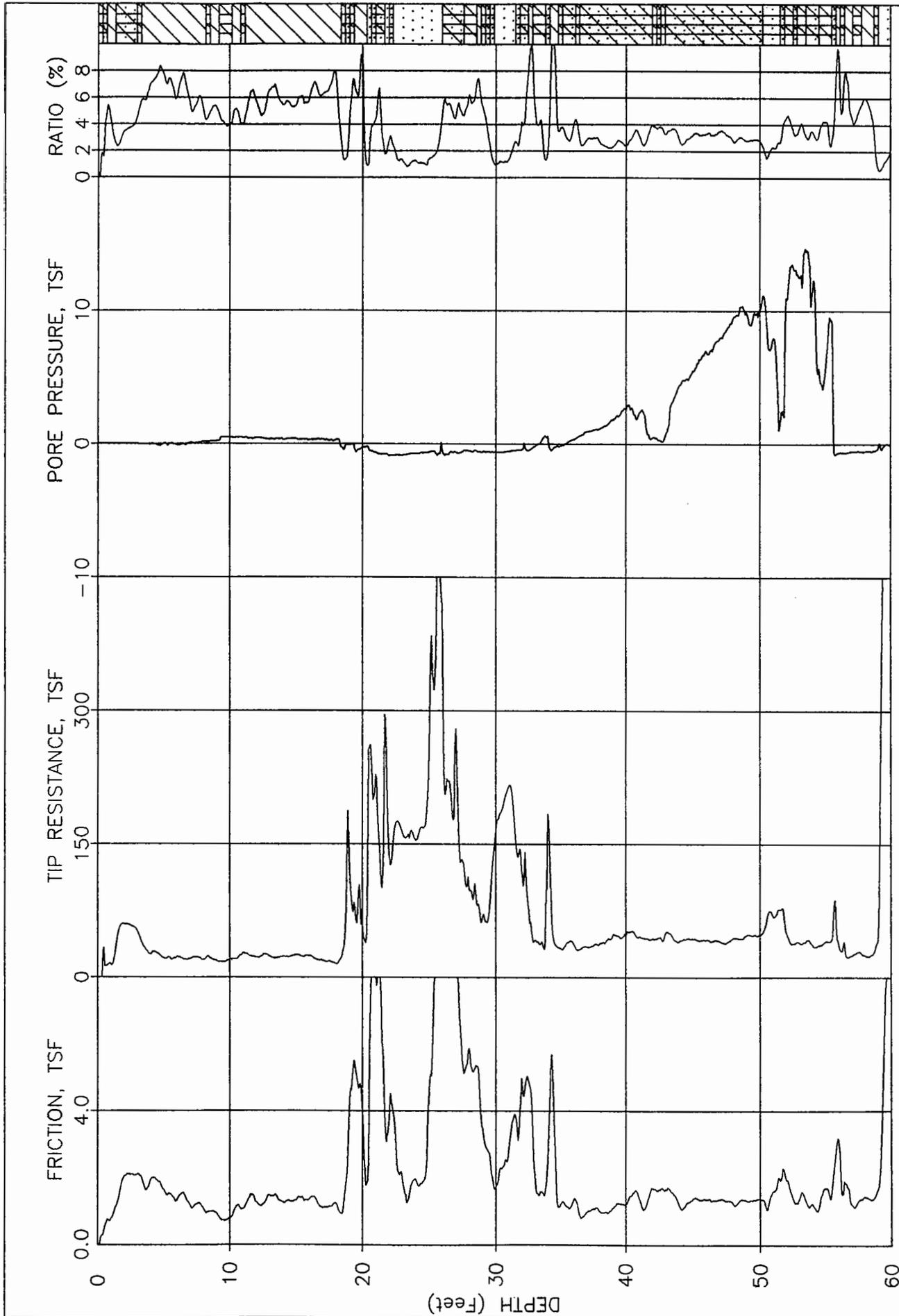


SILT AND SILTY SOIL



MODIFIED CAMPANELLA AND ROBERTSON SOIL BEHAVIOR CHART (1983)





JOB NUMBER: 0305-1424

CPT NUMBER: 40

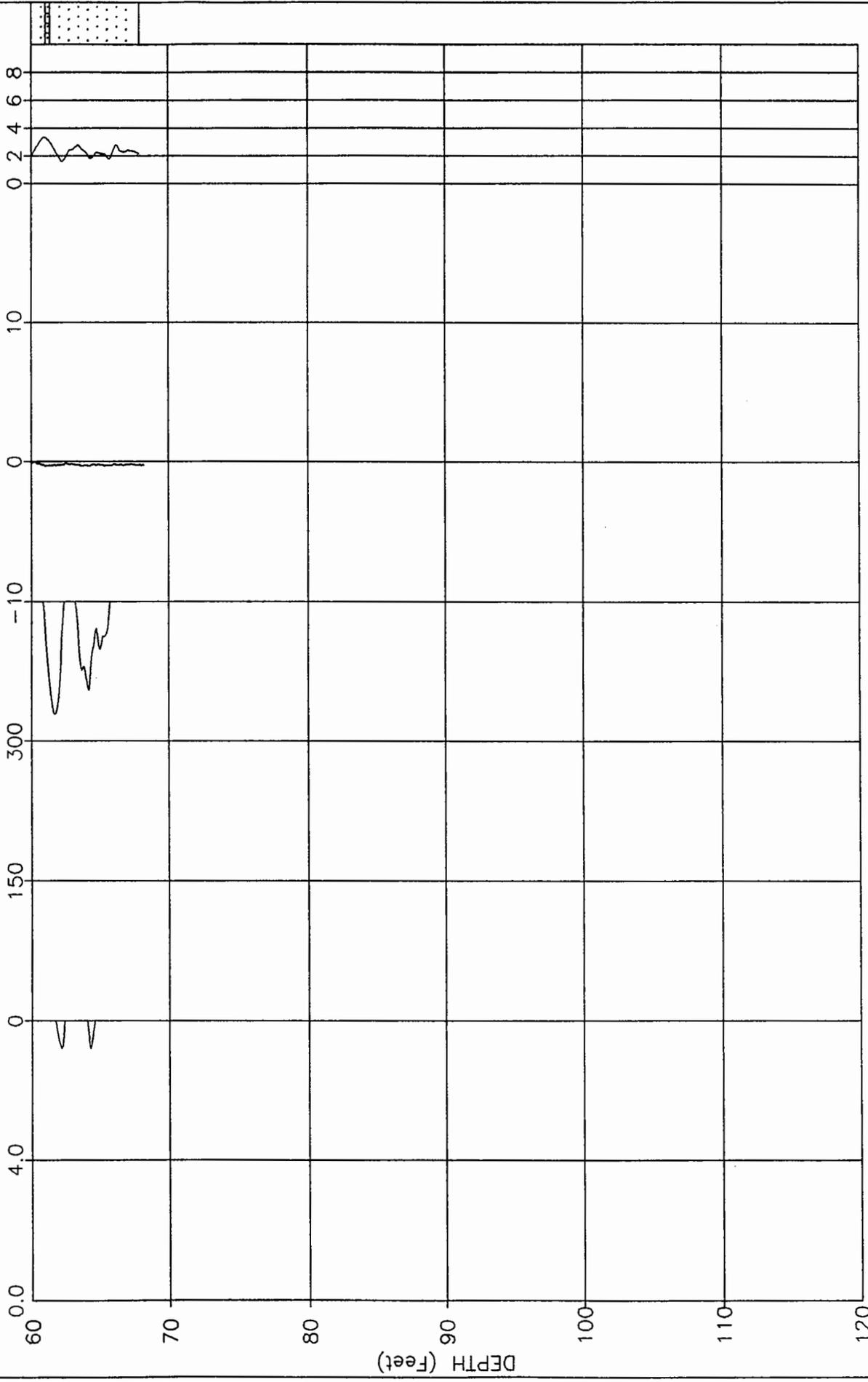
DATE: 08-25-2004

ELEVATION: 0.00

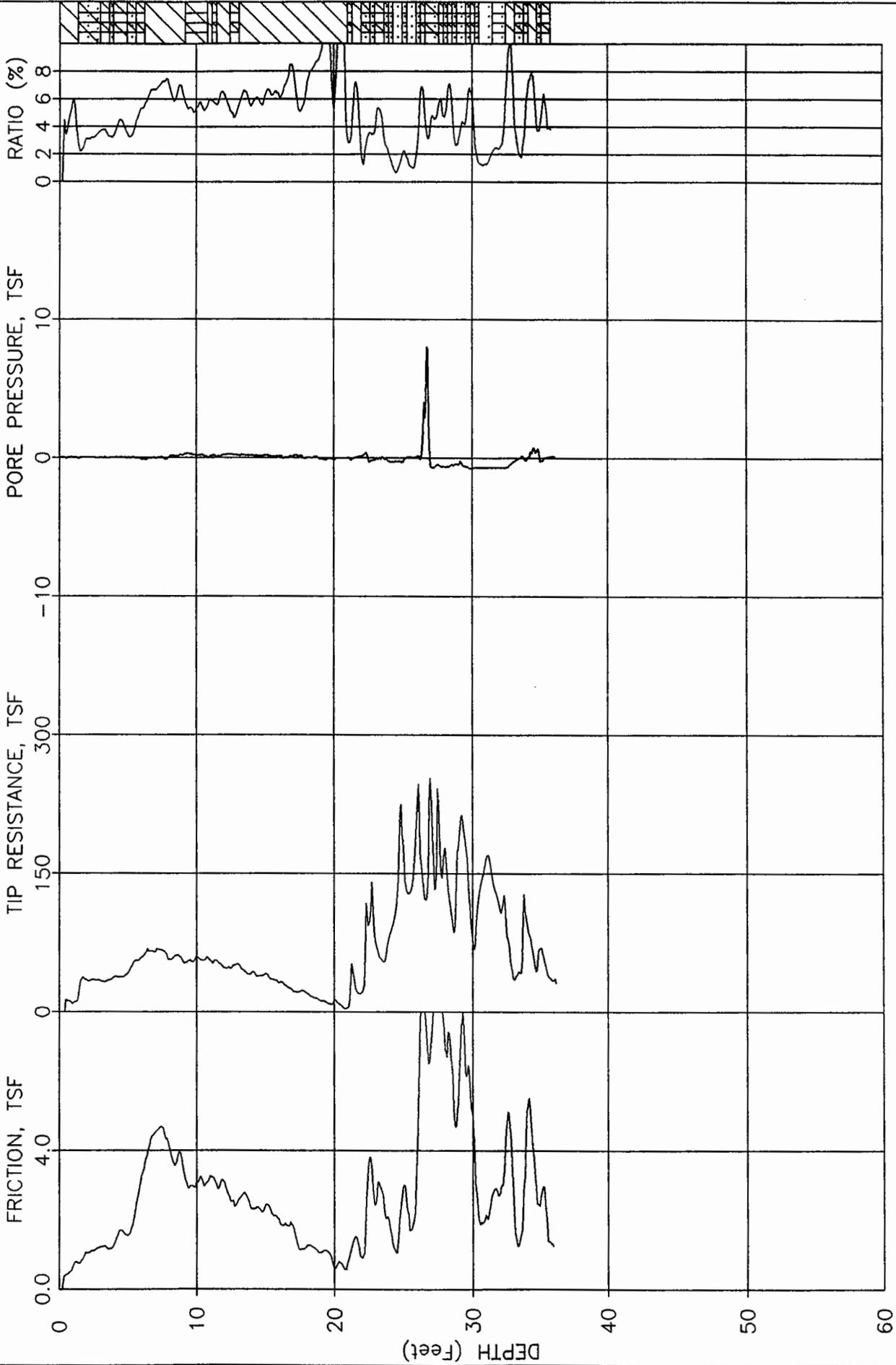
CONE NUMBER: F7.5CKEGW603

PLATE: 1 OF 2

FRICITION, TSF TIP RESISTANCE, TSF PORE PRESSURE, TSF RATIO (%)



JOB NUMBER: 0305-1424 CPT NUMBER: 40 DATE: 08-25-2004
ELEVATION: 0.00 CONE NUMBER: F7.5CKEGW603 PLATE: 2 OF 2



JOB NUMBER: 0305-1424

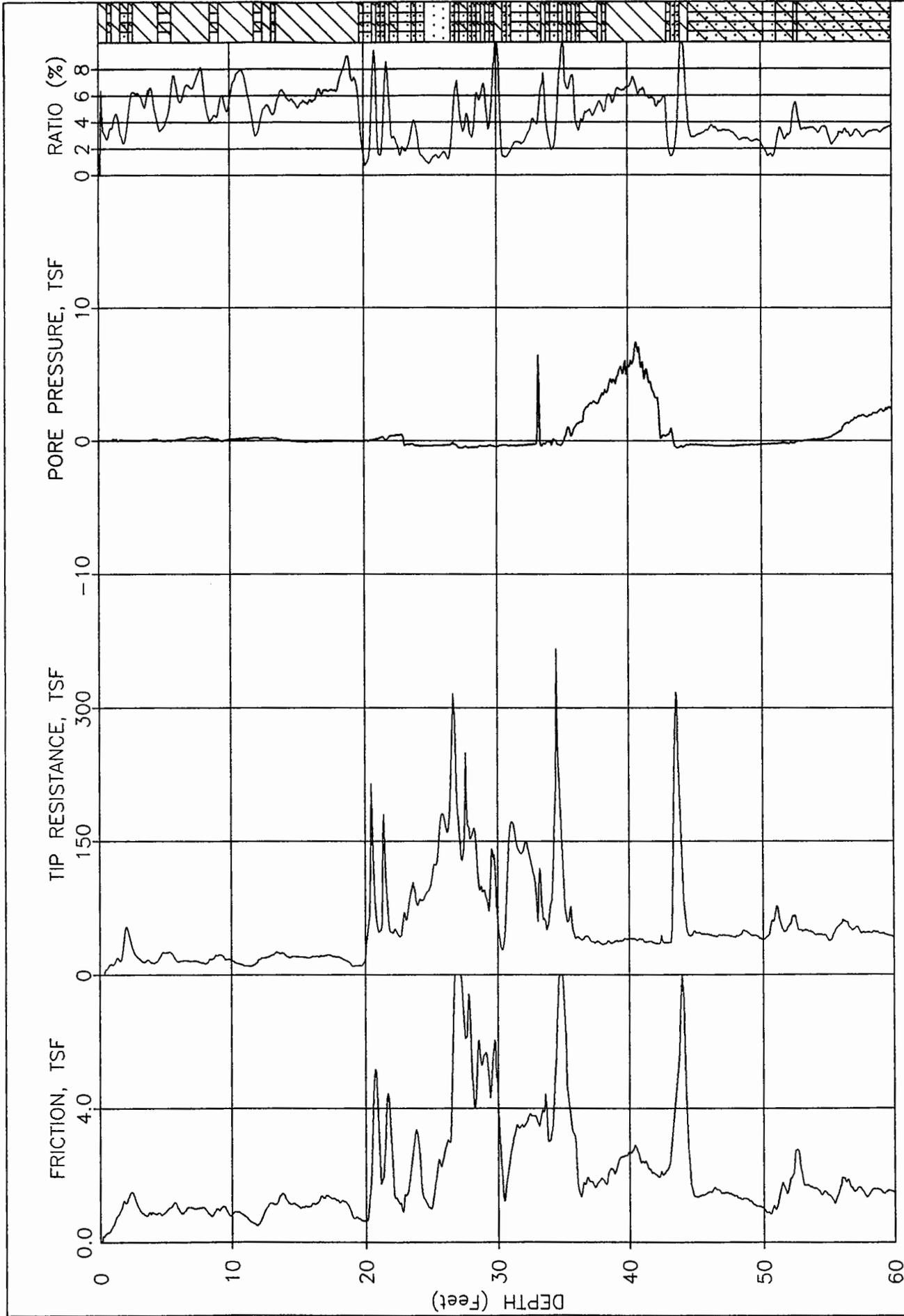
CPT NUMBER: 41

DATE: 08-25-2004

ELEVATION: 0.00

CONE NUMBER: F7.5CKEGW603

PLATE: 1 OF 1



JOB NUMBER: 0305-1424

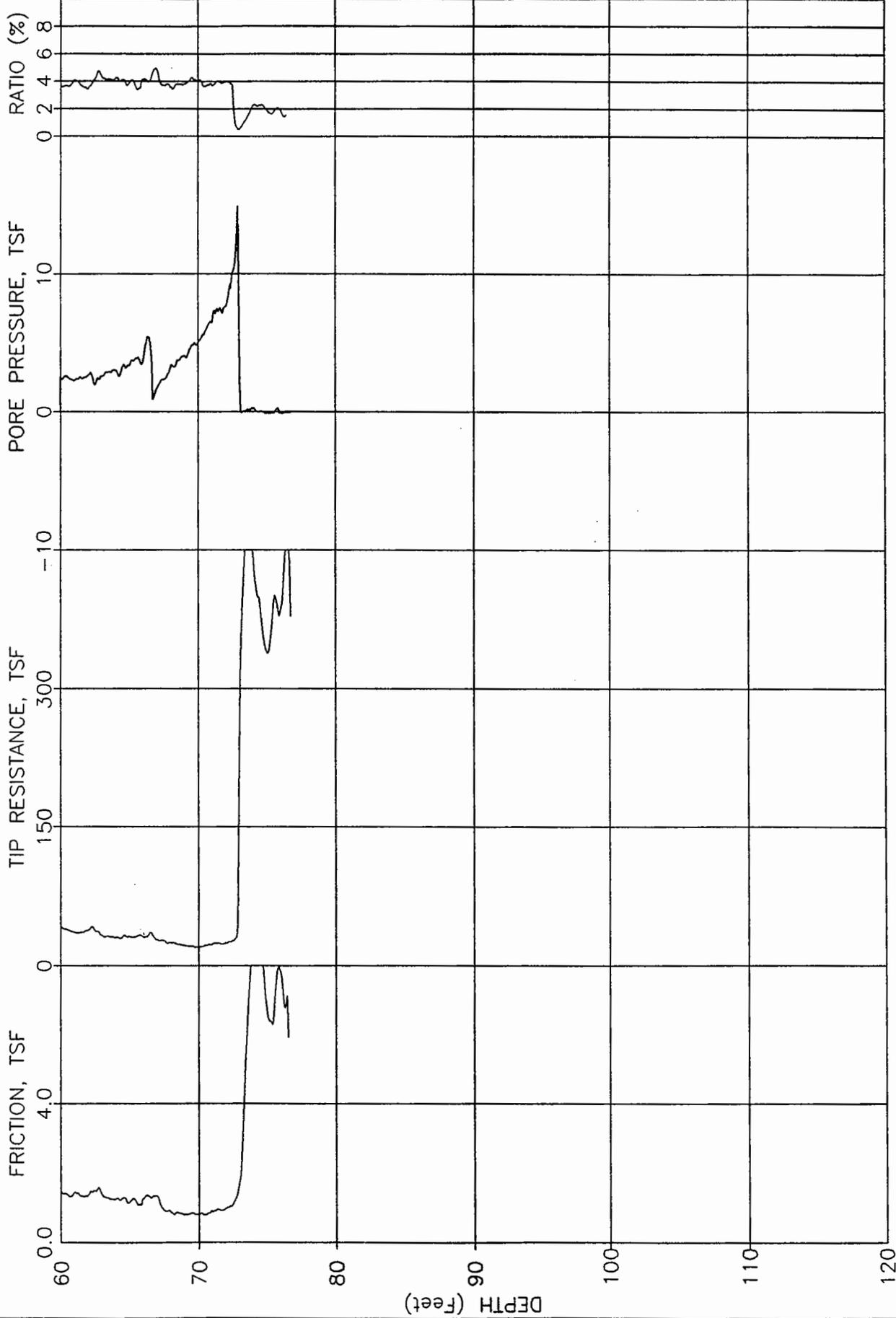
CPT NUMBER: 42

DATE: 08-25-2004

ELEVATION: 0.00

CONE NUMBER: F7.5CKEGW603

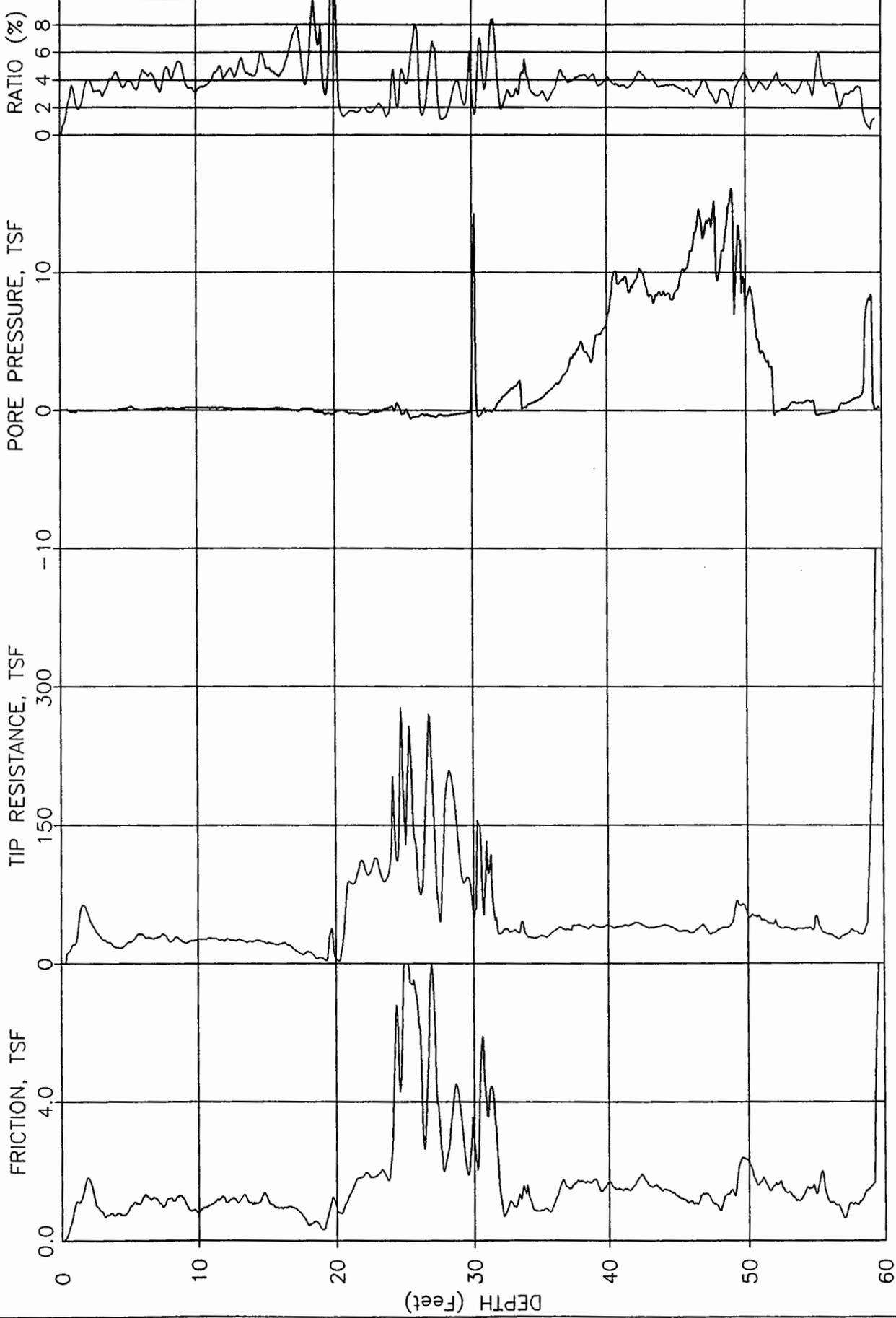
PLATE: 1 OF 2



DATE: 08-25-2004
 PLATE: 2 OF 2

CPT NUMBER: 42
 CONE NUMBER: F7.5CKEGW603

JOB NUMBER: 0305-1424
 ELEVATION: 0.00



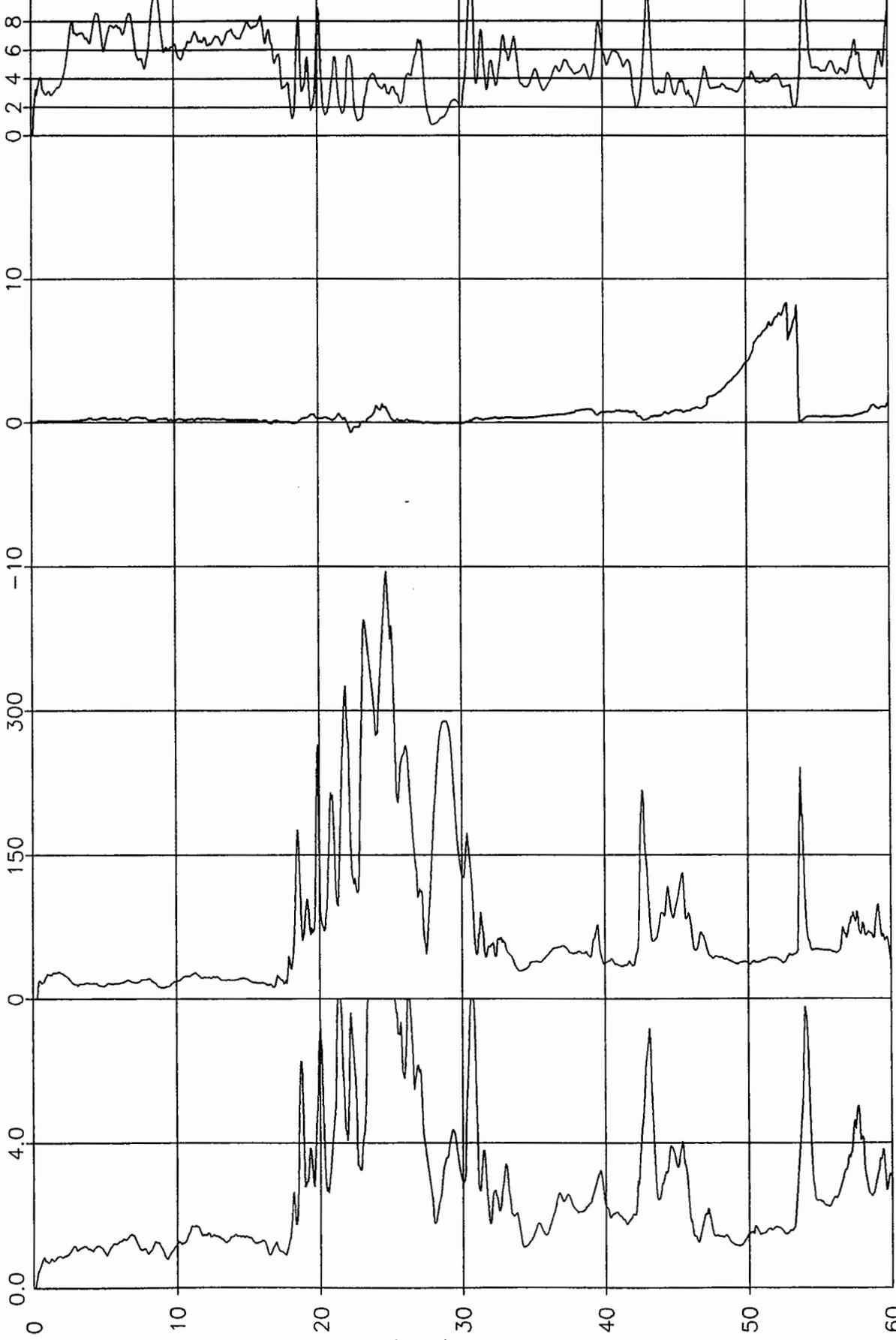
JOB NUMBER: 0305-1424
 ELEVATION: 0.00
 CPT NUMBER: 43
 CONE NUMBER: F7.5CKEGW603
 DATE: 08-26-2004
 PLATE: 1 OF 1
 FUGRO GEOSCIENCES, INC

RATIO (%)

PORE PRESSURE, TSF

TIP RESISTANCE, TSF

FRICITION, TSF



0

10

20

30

40

50

60

DEPTH (Feet)

DATE: 08-26-2004

CPT NUMBER: 44

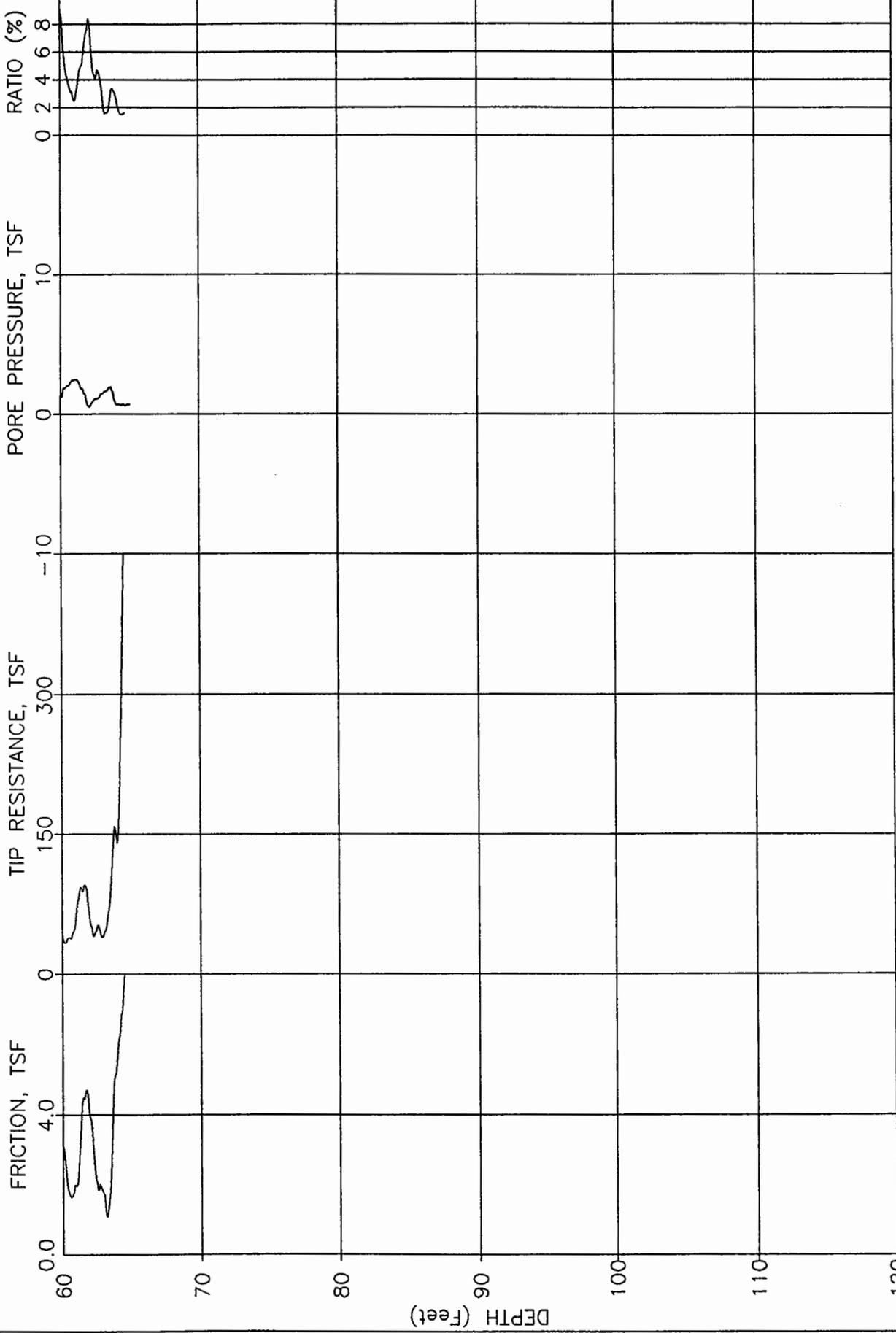
JOB NUMBER: 0305-1424

PLATE: 1 OF 2

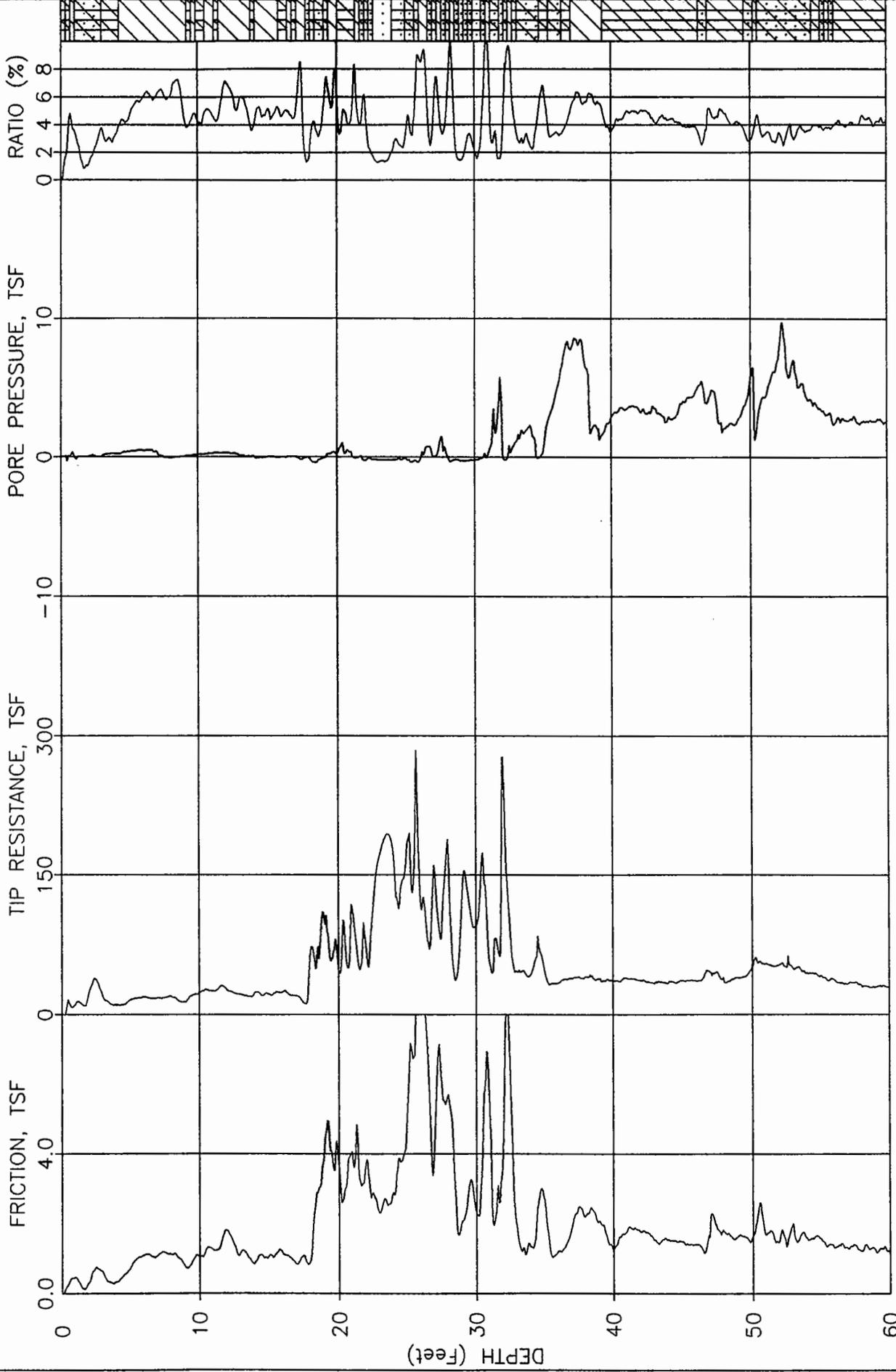
CONE NUMBER: F7.5CKEGW603

ELEVATION: 0.00

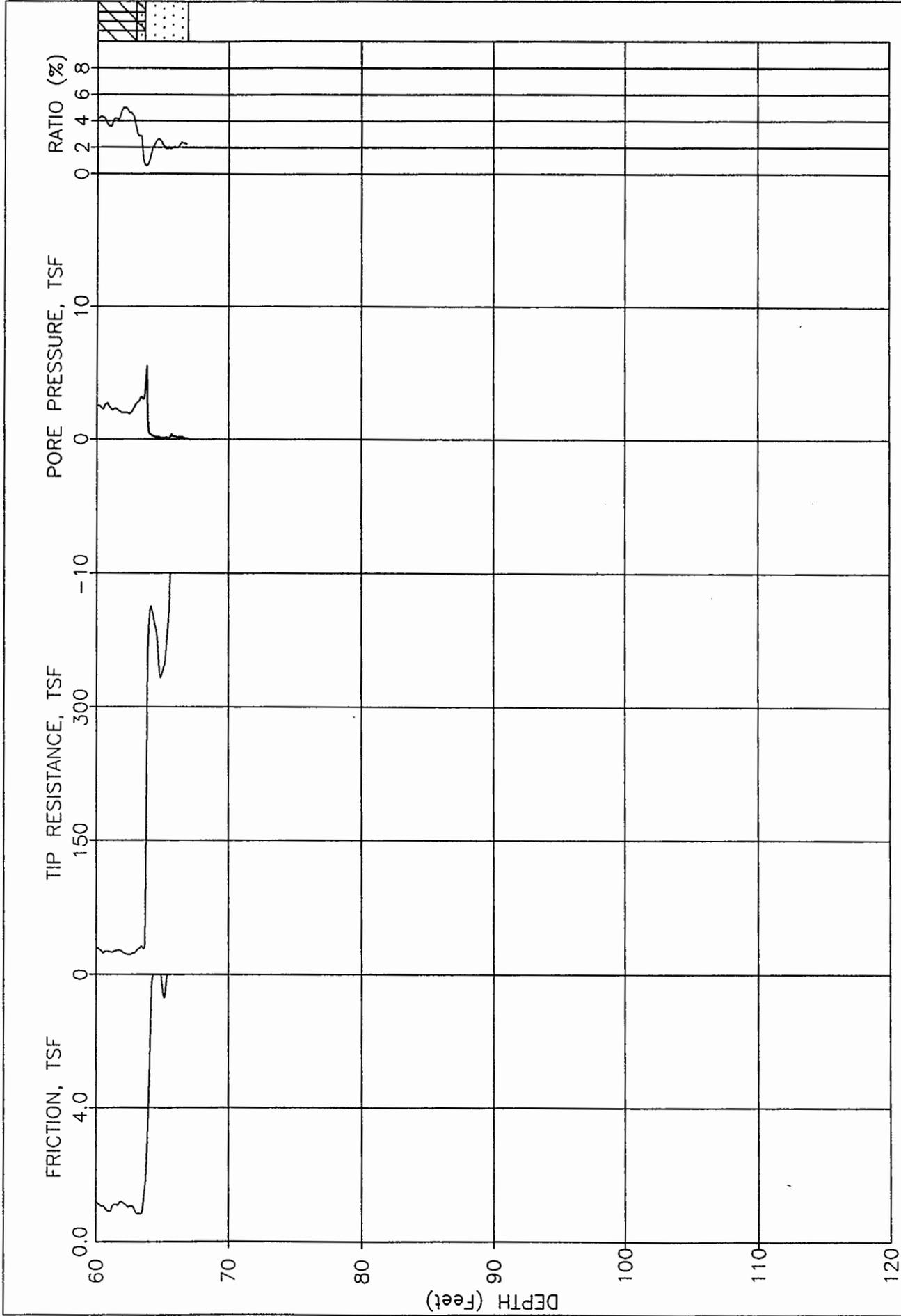
FUGRO GEOSCIENCES, INC



JOB NUMBER: 0305-1424 CPT NUMBER: 44 DATE: 08-26-2004
 ELEVATION: 0.00 CONE NUMBER: F7.5CKEGW603 PLATE: 2 OF 2



JOB NUMBER: 0305-1424
 ELEVATION: 0.00
 CPT NUMBER: 45
 CONE NUMBER: F7.5CKEGW603
 DATE: 08-26-2004
 PLATE: 1 OF 2
 FUGRO GEOSCIENCES, INC



JOB NUMBER: 0305-1424

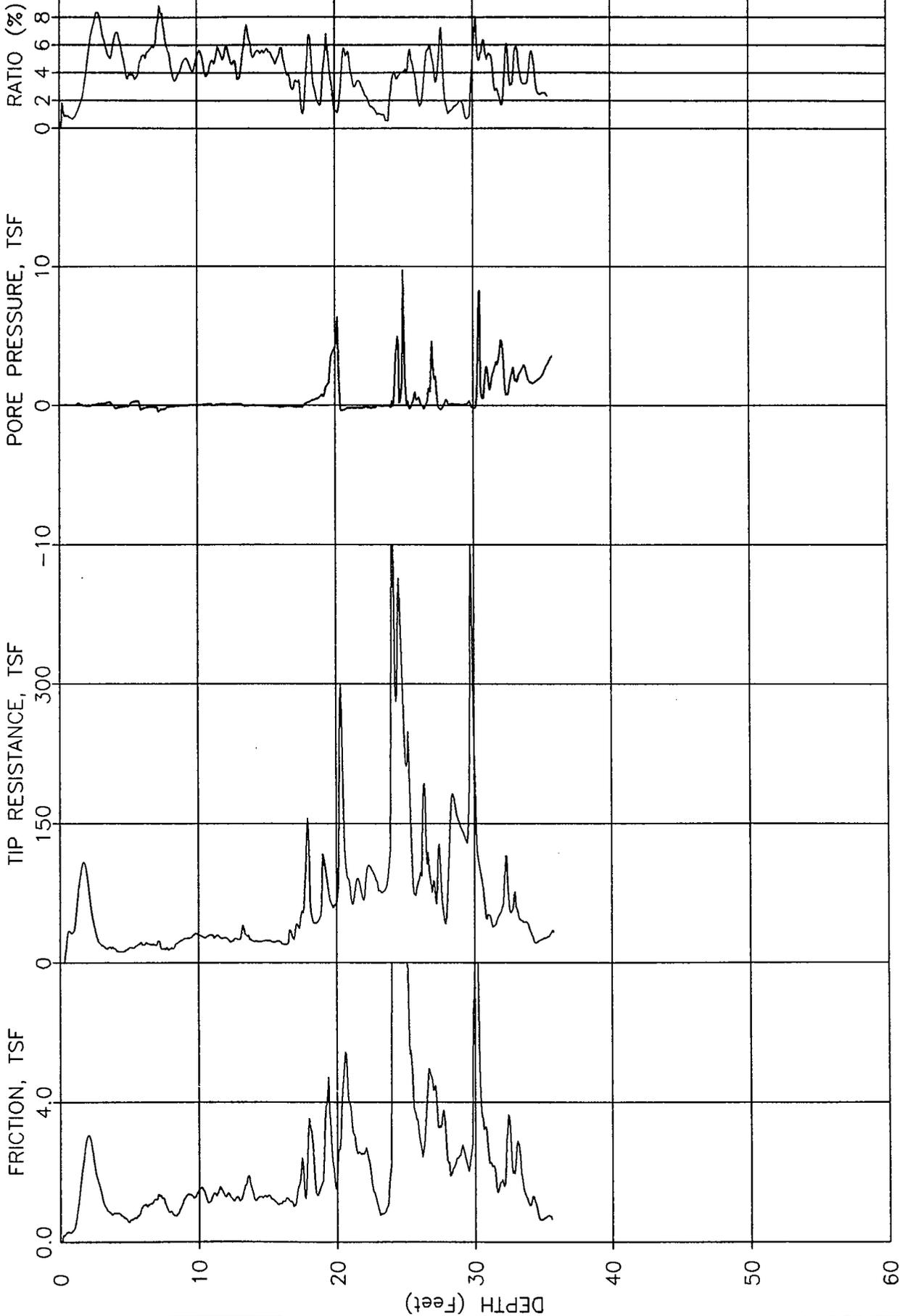
CPT NUMBER: 45

DATE: 08-26-2004

ELEVATION: 0.00

CONE NUMBER: F7.5CKEGW603

PLATE: 2 OF 2



JOB NUMBER: 0305-1424

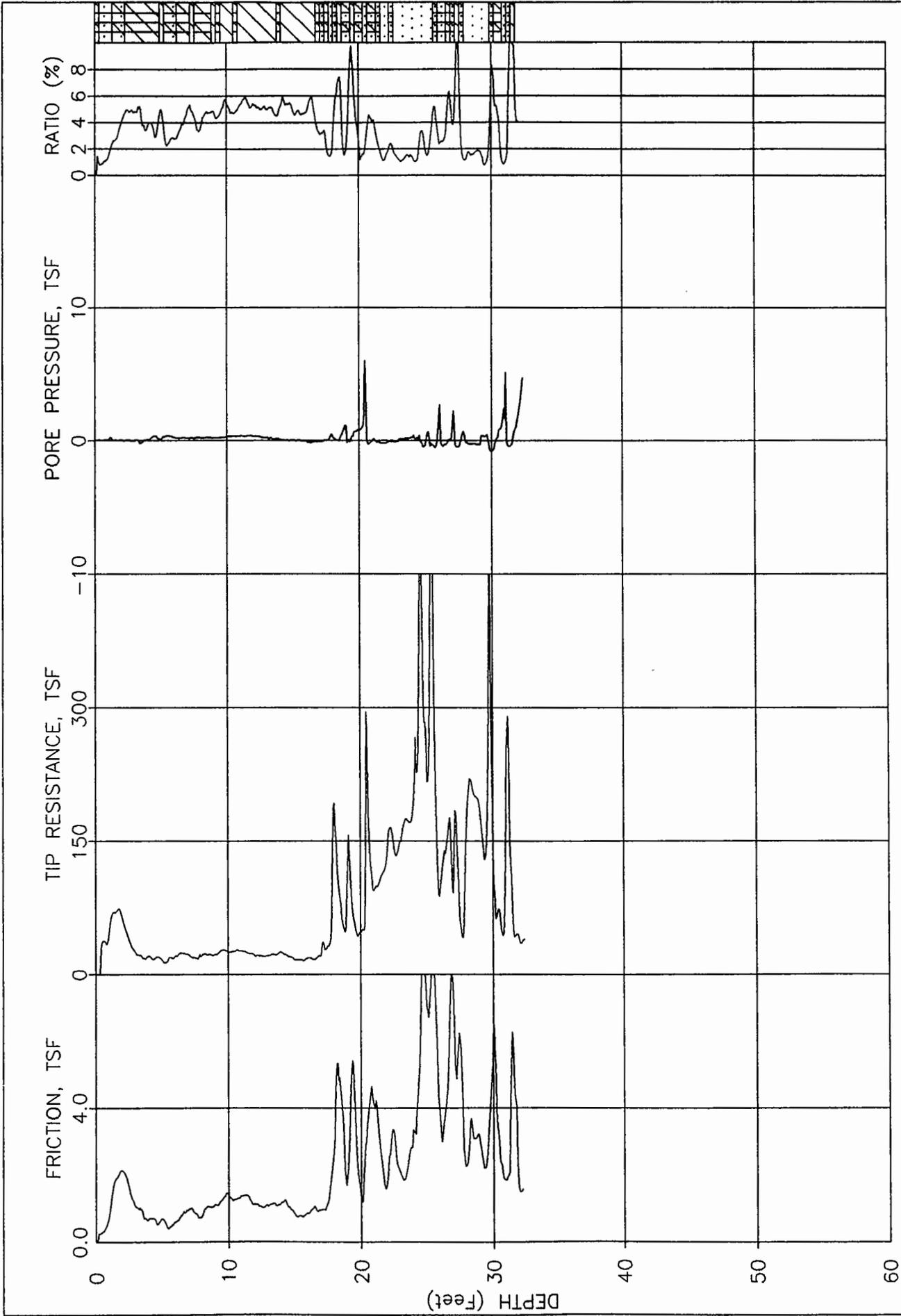
CPT NUMBER: 46

DATE: 08-27-2004

ELEVATION: 0.00

CONE NUMBER: F7.5CKEGW603

PLATE: 1 OF 1



JOB NUMBER: 0305-1424

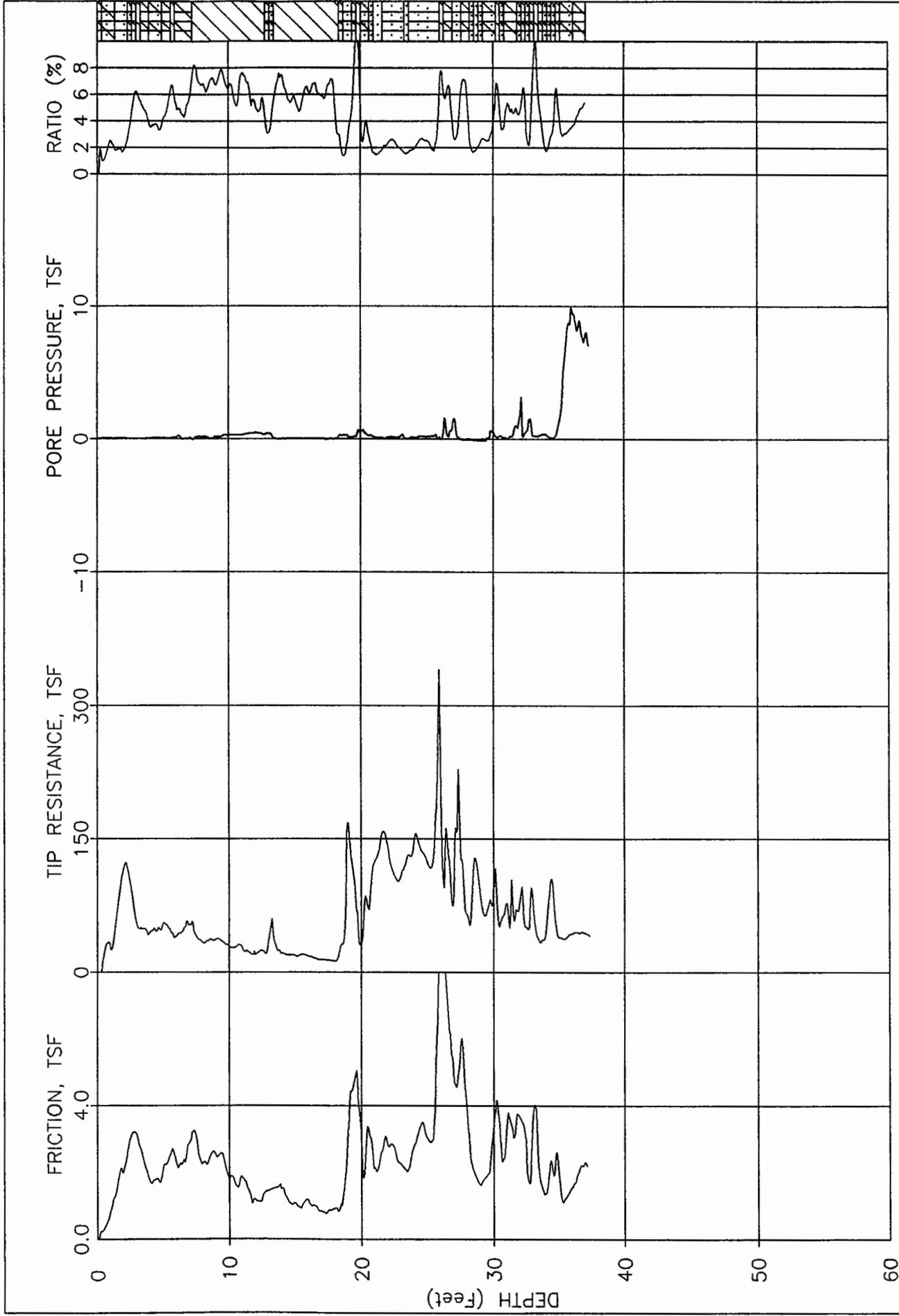
CPT NUMBER: 47

DATE: 08-27-2004

ELEVATION: 0.00

CONE NUMBER: F7.5CKEGW603

PLATE: 1 OF 1



JOB NUMBER: 0305-1424

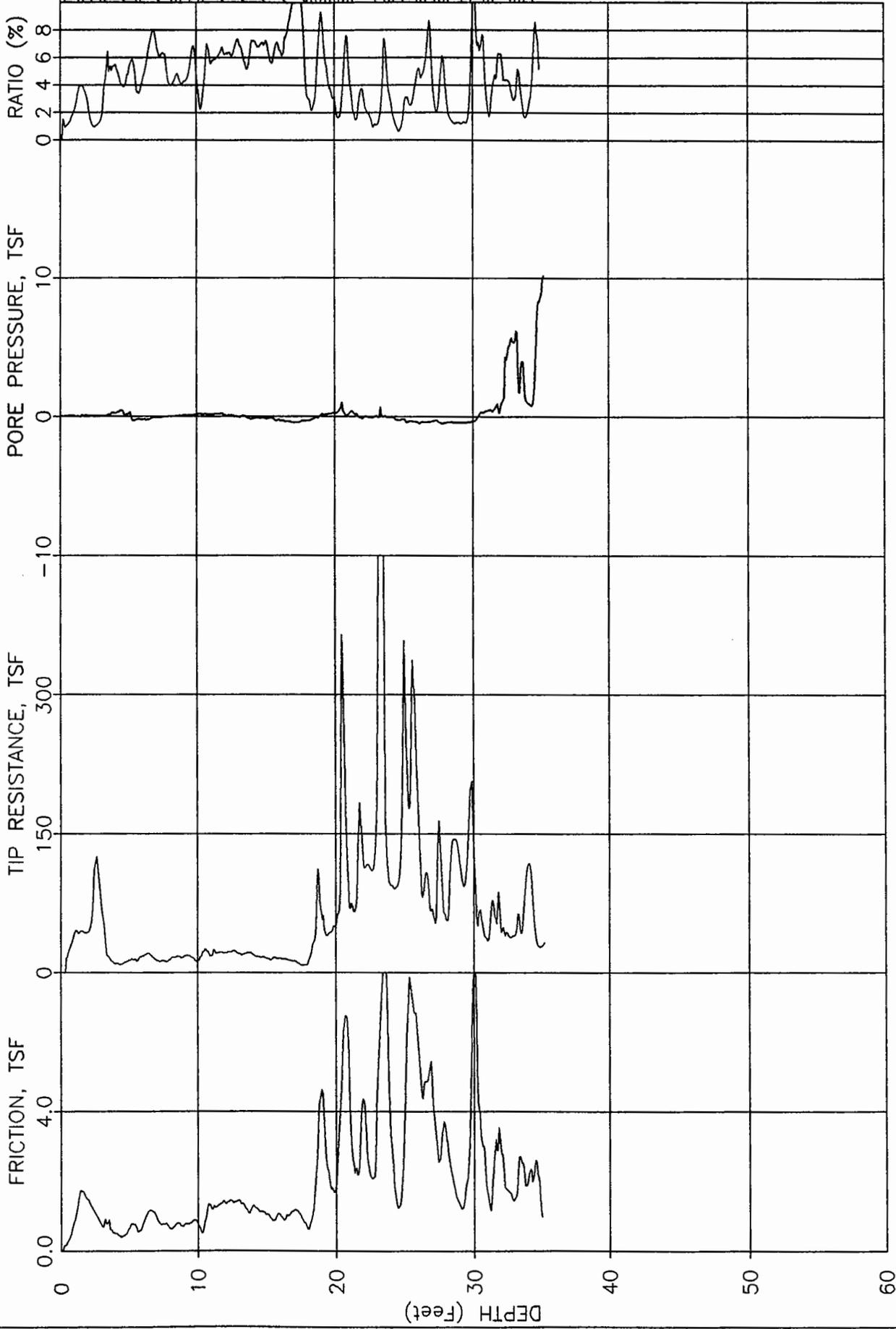
CPT NUMBER: 48

DATE: 08-27-2004

ELEVATION: 0.00

CONE NUMBER: F7.5CKEGW603

PLATE: 1 OF 1



DATE: 08-27-2004

CPT NUMBER: 49

JOB NUMBER: 0305-1424

PLATE: 1 OF 1

CONE NUMBER: F7.5CKEGW603

ELEVATION: 0.00

**Tabulation of Validated Groundwater Analytical Results
From CPT Borings – August 2004**

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U** Not detected at reported quantitation limit.
- N** Identification is tentative.
- J** Estimated value.
- L** Reported concentration is below the CRQL.
- M** Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.
- R** Unusable.
- ^** High biased. Actual concentration may be lower than the concentration reported.
- v** Low biased. Actual concentration may be higher than the concentration reported.
- F+** A false positive exists.
- F-** A false negative exists.
- B** This result may be high biased because of laboratory/field contamination. The reported concentration is above 5X or 10X the concentration reported in the method/field blank.
- UJ** Estimated quantitation limit.
- T** Identification is questionable because of absence of other commonly coexisting pesticides.
- *** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.
- W** The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Trip Blank 15
EPA Sample ID: F1328
Sample Date: 8/23/04
Analyzed Date: 8/26/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	JB
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	U
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	0.60	LJ	UG/L	2.0	J
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	3.8	J	UG/L	2.0	
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	4.8	LJ	UG/L	20	J
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: CPT40A

EPA Sample ID: F1345

Sample Date: 8/25/04

Analyzed Date: 8/27/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	35	UM	UG/L	20	
Carbon Disulfide	75150	0.71	LJ	UG/L	2.0	J
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	5.0	LJ	UG/L	20	J
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: CPT41A

EPA Sample ID: F1347

Sample Date: 8/25/04

Analyzed Date: 8/27/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	J
Carbon Disulfide	75150	1.2	LJ	UG/L	2.0	J
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	0.44	LJ	UG/L	2.0	J
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	0.49	LJ	UG/L	2.0	J
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	1.1	LJ	UG/L	2.0	J
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: CPT442A
EPA Sample ID: F1349
Sample Date: 8/25/04
Analyzed Date: 8/27/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	J
Carbon Disulfide	75150	1.2	LJ	UG/L	2.0	J
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	0.41	LJ	UG/L	2.0	J
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	0.43	LJ	UG/L	2.0	J
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	1.3	LJ	UG/L	2.0	J
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Equipment Rinsate 1
EPA Sample ID: F1359
Sample Date: 8/25/04
Analyzed Date: 8/27/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	U
Carbon Disulfide	75150	110	*	UG/L	2.0	E
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	0.45	LJ	UG/L	2.0	J
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	0.44	LJ	UG/L	2.0	J
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Equipment Rinsate 1

EPA Sample ID: F1359DL

Sample Date: 8/25/04

Analyzed Date: 8/31/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	63	U *	UG/L	63	U
Chloromethane	74873	63	U *	UG/L	63	U
Vinyl Chloride	75014	63	U *	UG/L	63	U
Bromomethane	74839	63	U *	UG/L	63	U
Chloroethane	75003	63	U *	UG/L	63	U
Trichlorofluoromethane	75694	63	U *	UG/L	63	U
1,1-Dichloroethene	75354	63	U *	UG/L	63	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	63	U *	UG/L	63	U
Acetone	67641	630	U *	UG/L	630	U
Carbon Disulfide	75150	2300		UG/L	63	D
Methyl Acetate	79209	63	U *	UG/L	63	U
Methylene Chloride	75092	63	U *	UG/L	63	U
trans-1,2-Dichloroethene	156605	63	U *	UG/L	63	U
Methyl tert-Butyl Ether	1634044	63	U *	UG/L	63	U
1,1-Dichloroethane	75343	63	U *	UG/L	63	U
cis-1,2-Dichloroethene	156592	63	U *	UG/L	63	U
2-Butanone	78933	630	U *	UG/L	630	U
Bromochloromethane	74975	63	U *	UG/L	63	U
Chloroform	67663	63	U *	UG/L	63	U
1,1,1-Trichloroethane	71556	63	U *	UG/L	63	U
Cyclohexane	110827	63	U *	UG/L	63	U
Carbon Tetrachloride	56235	63	U *	UG/L	63	U
Benzene	71432	63	U *	UG/L	63	U
1,2-Dichloroethane	107062	63	U *	UG/L	63	U
Trichloroethene	79016	63	U *	UG/L	63	U
Methylcyclohexane	108872	63	U *	UG/L	63	U
1,2-Dichloropropane	78875	63	U *	UG/L	63	U
Bromodichloromethane	75274	63	U *	UG/L	63	U
cis-1,3-Dichloropropene	10061015	63	U *	UG/L	63	U
4-Methyl-2-pentanone	108101	630	U *	UG/L	630	U
Toluene	108883	63	U *	UG/L	63	U
trans-1,3-Dichloropropene	10061026	63	U *	UG/L	63	U
1,1,2-Trichloroethane	79005	63	U *	UG/L	63	U
Tetrachloroethene	127184	63	U *	UG/L	63	U
2-Hexanone	591786	630	U *	UG/L	630	U
Dibromochloromethane	124481	63	U *	UG/L	63	U
1,2-Dibromoethane	106934	63	U *	UG/L	63	U
Chlorobenzene	108907	63	U *	UG/L	63	U
Ethylbenzene	100414	63	U *	UG/L	63	U
Xylenes (total)	1330207	63	U *	UG/L	63	U
Styrene	100425	63	U *	UG/L	63	U
Bromoform	75252	63	U *	UG/L	63	U
Isopropylbenzene	98828	63	U *	UG/L	63	U
1,1,2,2-Tetrachloroethane	79345	63	U *	UG/L	63	U
1,3-Dichlorobenzene	541731	63	U *	UG/L	63	U
1,4-Dichlorobenzene	106467	63	U *	UG/L	63	U
1,2-Dichlorobenzene	95501	63	U *	UG/L	63	U
1,2-Dibromo-3-chloropropane	96128	63	U *	UG/L	63	U
1,2,4-Trichlorobenzene	120821	63	U *	UG/L	63	U
1,2,3-Trichlorobenzene	87616	63	U *	UG/L	63	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Field Blank 1

EPA Sample ID: F1362

Sample Date: 8/25/04

Analyzed Date: 8/28/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	14	LJ	UG/L	20	J
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Trip Blank 1

EPA Sample ID: F1365

Sample Date: 8/25/04

Analyzed Date: 8/28/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	U
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
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Station Location: CPT42A1

EPA Sample ID: F1368

Sample Date: 8/25/04

Analyzed Date: 8/28/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	J
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	0.41	LJ	UG/L	2.0	J
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	0.58	LJ	UG/L	2.0	J
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Field Blank 16

EPA Sample ID: F1378

Sample Date: 8/23/04

Analyzed Date: 8/26/04

Analyte	Gas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	JB
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	0.42	LJ	UG/L	2.0	J
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	U
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	3.4		UG/L	2.0	
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	JB
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	0.91	LJ	UG/L	2.0	J
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Field Rinsate 1

EPA Sample ID: F1379

Sample Date: 8/23/04

Analyzed Date: 8/26/04

Analyte	Gas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	JB
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	10	LJ	UG/L	20	J
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	0.60	LJ	UG/L	2.0	J
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	0.83	LJ	UG/L	2.0	J
2-Butanone	78933	5.3	LJ	UG/L	20	J
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	0.60	LJ	UG/L	2.0	J
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	JB
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	1.2	LJ	UG/L	2.0	J
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

**Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004**

Station Location: CPT44A
EPA Sample ID: F1353
Sample Date: 8/26/04
Analyzed Date: 8/28/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	J
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	0.42	LJ	UG/L	2.0	J
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: CPT45A
EPA Sample ID: F1355
Sample Date: 8/26/04
Analyzed Date: 8/28/04

Analyte	Gas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	25	J	UG/L	20	
Carbon Disulfide	75150	0.84	LJ	UG/L	2.0	J
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	J
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: CPT46A

EPA Sample ID: F1357

Sample Date: 8/27/04

Analyzed Date: 8/30/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	JB
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	J
Carbon Disulfide	75150	21		UG/L	2.0	
Methyl Acetate	79209	2.0	UR	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	J
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	J
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Equipment Rinsate 2
EPA Sample ID: F1360
Sample Date: 8/26/04
Analyzed Date: 8/28/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	J
Carbon Disulfide	75150	83		UG/L	2.0	
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	0.41	LJ	UG/L	2.0	J
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Equipment Rinsate 3

EPA Sample ID: F1361

Sample Date: 8/27/04

Analyzed Date: 8/30/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	JB
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	J
Carbon Disulfide	75150	74		UG/L	2.0	
Methyl Acetate	79209	2.0	UR	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	J
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Field Blank 2

EPA Sample ID: F1363

Sample Date: 8/26/04

Analyzed Date: 8/28/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	U
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

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CLP Validated Laboratory Results for CPT Investigation
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Station Location: Field Blank 3
EPA Sample ID: F1364
Sample Date: 8/27/04
Analyzed Date: 8/30/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	JB
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	U
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	UR	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	J
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	J
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Trip Blank 2
EPA Sample ID: F1366
Sample Date: 8/26/04
Analyzed Date: 8/28/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	U
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	8.8		UG/L	2.0	
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

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CLP Validated Laboratory Results for CPT Investigation
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Station Location: CPT44A1

EPA Sample ID: F1369

Sample Date: 8/26/04

Analyzed Date: 8/28/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	U
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	J
Carbon Disulfide	75150	0.59	LJ	UG/L	2.0	J
Methyl Acetate	79209	2.0	U	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	U
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: Trip Blank 3

EPA Sample ID: F1370

Sample Date: 8/27/04

Analyzed Date: 8/30/04

Analyte	Gas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	JB
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	J
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	UR	UG/L	2.0	U
Methylene Chloride	75092	2.2	J	UG/L	2.0	
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	3.0		UG/L	2.0	
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: CPT46A1
EPA Sample ID: F1371
Sample Date: 8/27/04
Analyzed Date: 8/30/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	JB
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	28	J	UG/L	20	
Carbon Disulfide	75150	0.75	LJ	UG/L	2.0	J
Methyl Acetate	79209	2.0	UR	UG/L	2.0	U
Methylene Chloride	75092	2.3	J	UG/L	2.0	
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	J
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	0.59	LJ	UG/L	2.0	J
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: CPT47A

EPA Sample ID: F1372

Sample Date: 8/27/04

Analyzed Date: 8/30/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	JB
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	26	J	UG/L	20	
Carbon Disulfide	75150	0.84	LJ	UG/L	2.0	J
Methyl Acetate	79209	2.0	UR	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	J
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	U
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	0.85	LJ	UG/L	2.0	J
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: CPT48A

EPA Sample ID: F1373

Sample Date: 8/27/04

Analyzed Date: 8/31/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	JB
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	47	J	UG/L	20	
Carbon Disulfide	75150	0.66	LJ	UG/L	2.0	J
Methyl Acetate	79209	2.0	UR	UG/L	2.0	U
Methylene Chloride	75092	2.2	J	UG/L	2.0	
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	J
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	J
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	U
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Jones Road Superfund Site
CLP Validated Laboratory Results for CPT Investigation
August 2004

Station Location: CPT49A
EPA Sample ID: F1374
Sample Date: 8/27/04
Analyzed Date: 8/31/04

Analyte	Cas Number	Concentration	Validated Qualifier	Units	Adjusted CRQL	Laboratory Qualifier
Dichlorodifluoromethane	75718	2.0	U	UG/L	2.0	U
Chloromethane	74873	2.0	U	UG/L	2.0	JB
Vinyl Chloride	75014	2.0	U	UG/L	2.0	U
Bromomethane	74839	2.0	U	UG/L	2.0	U
Chloroethane	75003	2.0	U	UG/L	2.0	U
Trichlorofluoromethane	75694	2.0	U	UG/L	2.0	U
1,1-Dichloroethene	75354	2.0	U	UG/L	2.0	U
1,1,2-Trichloro-1,2,2-trifluoroethane	76131	2.0	U	UG/L	2.0	U
Acetone	67641	20	U	UG/L	20	J
Carbon Disulfide	75150	2.0	U	UG/L	2.0	U
Methyl Acetate	79209	2.0	UR	UG/L	2.0	U
Methylene Chloride	75092	2.0	U	UG/L	2.0	J
trans-1,2-Dichloroethene	156605	2.0	U	UG/L	2.0	U
Methyl tert-Butyl Ether	1634044	2.0	U	UG/L	2.0	J
1,1-Dichloroethane	75343	2.0	U	UG/L	2.0	U
cis-1,2-Dichloroethene	156592	2.0	U	UG/L	2.0	U
2-Butanone	78933	20	U	UG/L	20	U
Bromochloromethane	74975	2.0	U	UG/L	2.0	U
Chloroform	67663	2.0	U	UG/L	2.0	U
1,1,1-Trichloroethane	71556	2.0	U	UG/L	2.0	U
Cyclohexane	110827	2.0	U	UG/L	2.0	U
Carbon Tetrachloride	56235	2.0	U	UG/L	2.0	U
Benzene	71432	2.0	U	UG/L	2.0	U
1,2-Dichloroethane	107062	2.0	U	UG/L	2.0	U
Trichloroethene	79016	2.0	U	UG/L	2.0	U
Methylcyclohexane	108872	2.0	U	UG/L	2.0	U
1,2-Dichloropropane	78875	2.0	U	UG/L	2.0	U
Bromodichloromethane	75274	2.0	U	UG/L	2.0	U
cis-1,3-Dichloropropene	10061015	2.0	U	UG/L	2.0	U
4-Methyl-2-pentanone	108101	20	U	UG/L	20	U
Toluene	108883	2.0	U	UG/L	2.0	J
trans-1,3-Dichloropropene	10061026	2.0	U	UG/L	2.0	U
1,1,2-Trichloroethane	79005	2.0	U	UG/L	2.0	U
Tetrachloroethene	127184	2.0	U	UG/L	2.0	U
2-Hexanone	591786	20	U	UG/L	20	U
Dibromochloromethane	124481	2.0	U	UG/L	2.0	U
1,2-Dibromoethane	106934	2.0	U	UG/L	2.0	U
Chlorobenzene	108907	2.0	U	UG/L	2.0	U
Ethylbenzene	100414	2.0	U	UG/L	2.0	U
Xylenes (total)	1330207	2.0	U	UG/L	2.0	U
Styrene	100425	2.0	U	UG/L	2.0	U
Bromoform	75252	2.0	U	UG/L	2.0	U
Isopropylbenzene	98828	2.0	U	UG/L	2.0	U
1,1,2,2-Tetrachloroethane	79345	2.0	U	UG/L	2.0	U
1,3-Dichlorobenzene	541731	2.0	U	UG/L	2.0	U
1,4-Dichlorobenzene	106467	2.0	U	UG/L	2.0	U
1,2-Dichlorobenzene	95501	2.0	U	UG/L	2.0	U
1,2-Dibromo-3-chloropropane	96128	2.0	U	UG/L	2.0	U
1,2,4-Trichlorobenzene	120821	2.0	U	UG/L	2.0	U
1,2,3-Trichlorobenzene	87616	2.0	U	UG/L	2.0	U

Photographic Documentation



Shaw Environmental & Infrastructure, Inc.

Photographic Record

Client: TCEQ

Project Number: 100249

Site Name: Jones Road Groundwater Plume

Site Location: 10902 Tower Oaks Blvd., Houston, TX

Photograph Number:

1

Photographer:

Bill Hardmant, Shaw

Date:

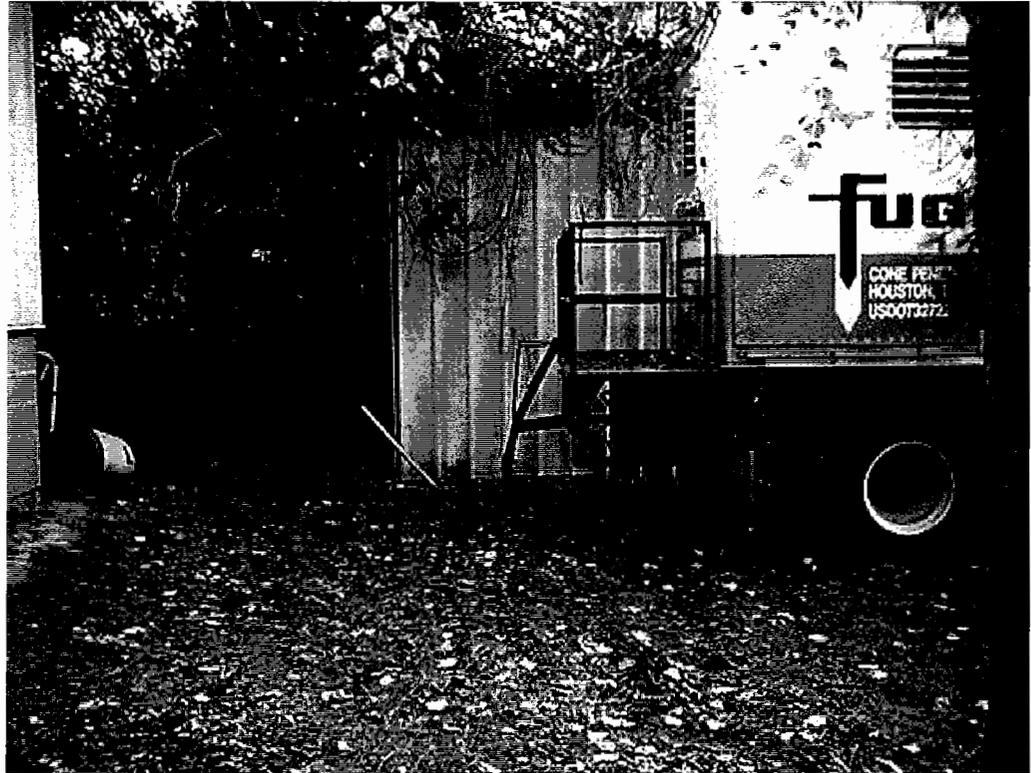
08/25/04

Direction:

View to the East

Comments:

View shows location of the CPT unit over station location CPT 40, on the northeast corner of the property at 10902 Tower Oaks Blvd.



Photograph Number:

2

Photographer:

Bill Hardmant, Shaw

Date:

08/25/04

Direction:

View to the West

Comments:

View shows location of the CPT unit over station location CPT 41, on the north end of the property at 10902 Tower Oaks Blvd.





Shaw
Shaw Environmental & Infrastructure, Inc.

Photographic Record

Client: TCEQ

Project Number: 100249

Site Name: Jones Road Groundwater Plume

Site Location: 10902 Tower Oaks Blvd., Houston, TX

Photograph Number:

3

Photographer:

Bill Hardmant, Shaw

Date:

08/25/04

Direction:

View to the Northwest

Comments:

View shows location of the CPT unit over station location CPT 42, on the northwest corner of the property at 10902 Tower Oaks Blvd.



Photograph Number:

4

Photographer:

Bill Hardmant, Shaw

Date:

08/26/04

Direction:

View to the Northeast

Comments:

View shows location of the CPT unit over station location CPT 43, near the north end of the property at 10902 Tower Oaks Blvd.





Shaw
Shaw Environmental & Infrastructure, Inc.

Photographic Record

Client: TCEQ

Project Number: 100249

Site Name: Jones Road Groundwater Plume

Site Location: Tower Oaks Blvd., Houston, TX

Photograph Number:

5

Photographer:

Bill Hardmant, Shaw

Date:

08/26/04

Direction:

View to the Northwest

Comments:

View shows location of the CPT unit over station location CPT 44, on the north side of the adjacent vacant lot, just west of 10902 Tower Oaks Blvd.



Photograph Number:

6

Photographer:

Bill Hardmant, Shaw

Date:

08/26/04

Direction:

View to the North

Comments:

View shows location of the CPT unit over station location CPT 45, near the north end of the property at 10902 Tower Oaks Blvd.





Shaw
Shaw Environmental & Infrastructure, Inc.

Photographic Record

Client: TCEQ

Project Number: 100249

Site Name: Jones Road Groundwater Plume

Site Location: 10819 Barely Lane, Houston, TX

Photograph Number:

7

Photographer:

Bill Hardmant, Shaw

Date:

08/27/04

Direction:

View to the South

Comments:

View shows location of the CPT unit over station location CPT 46, on the southwest corner of the property at 10819 Barely Lane.



Photograph Number:

8

Photographer:

Bill Hardmant, Shaw

Date:

08/27/04

Direction:

View to the North

Comments:

Red flags mark the CPT station location numbers CPT 46 and 47 (CPT 46 in foreground) along the west boundary of the property at 10819 Barely Lane.





Shaw
Shaw Environmental & Infrastructure, Inc.

Photographic Record

Client: TCEQ

Project Number: 100249

Site Name: Jones Road Groundwater Plume

Site Location: 10819 Barely Lane, Houston, TX

Photograph Number:

9

Photographer:

Bill Hardmant, Shaw

Date:

08/27/04

Direction:

View to the Southwest

Comments:

View shows location of the CPT unit over station location CPT 48, on the southwest corner of the property at 10819 Barely Lane.



Photograph Number:

10

Photographer:

Bill Hardmant, Shaw

Date:

08/27/04

Direction:

View to the Southwest

Comments:

View shows location of the CPT unit over station location CPT 49, in the southeast corner of the property at 10819 Barely Lane.



Field Notes

8-25-04

DSD LEAVE OFFER FOR SITE

MAY OUT 142345

STUP TO GET ICE

ARRIVE SITE @ 0615

PACKED FOR PAY ACTIVATED

MARVIN LOW ARRIVES @ 0640

HEAD TO 11600 JONK @ 655

FUELED ON SITE.

TANZ ALBERT / FUELED TO TO LOCATE

TO SEE ABOUT SOX STABILITY.

HE FELT IT WOULD BE OKAY.

SHAWED ALBERT - BARELY ONE SIZE.

HUNDED BACK TO 11600

PILBY MANN ARRIVES ON SITE @ 0715

CONDUCTED TAILGATE SAFETY @ 0720.

FUELED SETUP OVER 1ST LANE @ 1010/02

CP#40 @ 0830

STARTED PUSH @ 0832

TO @ 60.4 @ 0917 WITH PUSH

MOVED SOX @ 1 1/2 FEET

TARGET SAND @ 33'

SCREEN SIZE @ 32' 33"

8-25-04

COLLECTED CORE @ 40A @ 1000

COLLECT CUP SAMPLE @ 40A @ 1005

CUP # F1345

TAG # 396706, 707, 708

CORE TEL ON SAMPLE CPT 40A @ 1012

1ST RUN ND, 2ND RUN ND, 3RD RUN ND

MOVED TO LOCATION CPT 41

SETUP AND STARTED PUSH @ 1035

STOPPED @ 36' @ 41A

COLLECTED FIELD BURN # 1 @ 1040

CUP # F1362

TAG # 396709, 710, 711

TARGET SAND RUSH WIND @ 33' 41A

MOVED UNIT SE @ 3 FEET FOR WIND RUSH

COLLECTED TRAP BURN # 1 @ 1110

CUP # F1365

TAG # 396712, 396713, 396714

PUSHED 41A TO 32.5 SCREEN 315-32.5

713 302 7610 Address 82804

Collected CPT 41A @ 1130

CUP # F1347

TAG #s 396715, 716, 717

MS/MSD @ CPT 41A

CUP F1347

TAGS 396718, 719, 720, 721, 722, 723

Color Rec @ CPT #41A @ 1135
17 Bul ND, 2nd Bul ND, 3rd Bul ND

MOBBY TO CPT LOUAIN # 42 @ ~~1135~~

STRAND PUSHES @ 1200 @ CPT #42

STRAPS @ 76.9 @ 1245

RIG ENCOUNTERED PROHIBITED - COMES NOT

PUSH ANTIWAVE

POURED OUT OF HOLE - MOUND SURFA = 1 FOOT

TO TR4 AND RENT WARM

Collected EQUIPMENT RUSH @ 1320

CUP # F1359

TAG #s 396724, 725, 726

CPT #42A THREE SANDS 34'

82804

Collected CPT 42A @ 1345

CUP # F1349

TAG # 396727, 728, 729

Collected DUNN @ CPT 42A @ 1345

CUP # F1368 TAG #s 357941, 942, 943

Color Rec @ CPT 42A

17 Bul ND, 2nd Bul ND, 3rd Bul ND

Found UP COVER

STENTIGATED WITH MARLIN FOR

TO MEASUREMENT ACTIVITIES

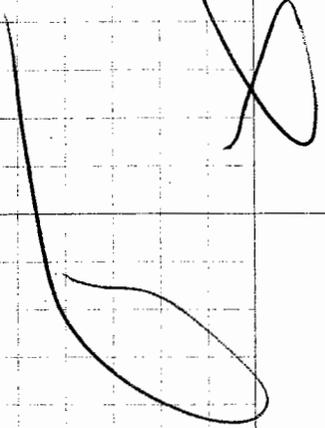
DEUCE MARLIN BEANS TO ABANDON

WELL LOCATIONS

LEFT FIELD OFFICE @ 1806

APRINT BAG @ 1835

MILES IN 142382



08-26-04

0300 - LEAVE FOR OFFICE

MILES OUT 142382

ARRIVE @ 0320

0330 → 0530 PERFORM CUP TEST FOR

PERFORM WEL SAMPLE FOR/ENON TO

BSJ AND SUBHATH

0540 LEAVE FOR FIELD OFFICE

ARR TO GET ICE

ARRIVE OFFICE @ 0620

CONTACT TRUBUNE #2 @ 0640

CLP# F1366

TAG # 364096, 097, 098

0650 LEFT FIELD OFFICE FOR DE 11600

WAITING ON FUGED

FUGED ARRIVE @ 0700

CONDUCT TAILOR'S SAFETY MEETING

@ 0703

GO OVER TODAY'S PLAN OF ATTACK.

M. LONG ARRIVE @ 0707.

SETUP OVER CPT LOCATIONS #43

08-26-04

STARTS PUSHING CPT #43 @ 0755

PULLED TO 60' GET REFUSAL

PULLED OUT OF HOLE - COULD NOT GET

A PULVER OUT OF LOG BUT ALBERT

INTERFERED IT AND IT DID NOT SHOW

ANY PROBLEM FOR WATER

MOVED TO LOCATION #44 @ 0900

STARTS PUSHING @ 0907

HIT REFUSAL @ 65'

FUGED MEANS @ 0945 WITH PULVER

PULLED OUT OF HOLE

TARGET SAND WAS 28.31

PUSHED TO 31 FOR WATER SAMPLE

MUDS SE = 1 FOOT

(COLLECTS WATER SAMPLE @ 30-31)

CPT #44 @ 1030

CLP# F1353

TAG # 396839, 840, 841

DUPLICATE COLLECTING CPT #44A

CLP# F1369

TAG # 396842, 843, 844

SETUP OVER CPT #45 @ 1045

STARTED PULLING 1055

8-26-84

COUSE TEC CPT 44A-31
1ST PULL ND, 2ND PULL ND, 3RD PULL ND

COLLECTED FIELD BAG #2 @ CPT #45

CUP # F1363

TAG # 396848, 846, 847

CPT #45 PUSHED TO 67.0 GOT REFUSAL
MADE BIG EAST = 2 FEET FOR WATER POSIT

COLLECTED EQUIP REFUSAL #2 @ 1145

CUP # F1360

TAG # 396848, 849, 850

STINERD PUSHED THE WATER SAMPLE 1150

HIT REFUSAL @ 65.0

STOPPED PUSHED UP 1 FEET TO EXPOSE

SCREEN - BROKE FOR LUNNET

1310 POKED BAG AND CHECK FOR

WATER USING A BAUSER - DRY

PULLED OUT OF HOLE

MOVED TRUCK EAST ≈ 1 FOOT FOR SHARPER

WATER PUSH CPT #45A

TARGET DEPTH 31 FEET

8-26-84

STINERD PUSHED CPT 45A (SHARPER) @ 1330

REMARKS 31 FEET @ 1345

COLLECTED SAMPLE CPT 45A @ 1400

CUP # ~~CPT 45A~~ F1355

TAG # 396851, 852, 853

COUSE TEC @ CPT 45A 30-31,
1ST PULL ND, 2ND PULL ND, 3RD PULL ND

LAND IN CUP NUMBERS TO

TRUCK DAMN @ 1500

FAREW BEGAN BEARS TO MEAN
FREE @ 1510

LEFT SITE @ 1605

ARRIVED BAG @ 1630

MILY W 142422

8-27-84

0430 LEAVE FOR OFFICE
0445 ARRIVE OFFICE
MILED 020 142422
LEAVE OFFICE @ 0530
SIDE TO GET ICE & REMOVE CARTRIDGE
ARRIVE OFFICE @ 0620

COLLECT TRIP BURN #3 @ 0630
F1370

TAG #1 ~~364690, 547~~
357945, 946, 947

0655 LEFT FOR 1100 - MET
PEERY - TAKE A QUIZ DRIVE TO
LOOK FOR LEASE SPACE.
ARRIVE @ STEEL PROPERTY @ 710
FUELS / MATERIALS OFFICE
0715 SAFETY MEETING
0720 MOBBED TO STEEL PROPERTY
IN START TO UNLOAD EQUIPMENT
MOBBED TO LOCATE CPT #46 SW
CONFER OF STEEL PROPERTY

FUELED SUGGESTED PROBLEMS WITH
THEIR GENERATOR

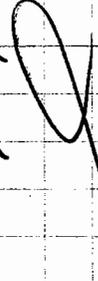
8-27-84

ARRIVE + I RETRIEVED SHAWL GENERATOR
FROM STORAGE UNIT TO TRY POSSIBLE
THAT - IT DID NOT WORK.
0900 FUELED LEFT TO PICK UP A BURN
GENERATOR
0955 ARRIVE BURN WITH BURN GENERATOR
HAVING OTHER PROBLEMS - POTENTIAL
SHORT IN EQUIPMENT.

COLLECTING FIELD BURN #3 @ CPT 406 46
@ 1030
F1364

TAG # 396730, 731, 732
1100 STARTED CALLING WITH FELLOW AGENTS
WITH NEW PART
1130 STARTED POSITIVE CPT #416
ARRIVED @ 35.5 @ 1145

ARRIVED BURN #3 @ CPT 46 @ 1245
CPT #1361
TAG # 396733, 734, 735



8-27-04

9-27-04

CPT 46A CONCRETE 1300

CUP# F1357

396736, 737, 738

DUPURATE CONCRETE 1300

CUP# F1371

396739, 740, 741

COLOR TEC ON CPT#46A C 1325

1ST ROW ND, 2ND ROW ??, 3rd ROW 1.2

CPT #47A PUSHED LITH TO 33.5"

WATER PUSH TO 30'

COLLECTING CPT#47B C 1350

CUP# F1372

TAG# 396742, 743, 744

COLOR TEC CPT 47A C 1400

1ST ROW ND, 2ND ROW ND, 3rd ROW O.S

DUG AND CPT# 48 TO 37.5 WITH

WATER RUN TO 30'

COLLECTED WATER SAMPLE CPT#48A C 1450

D

8-27-04

CPT# 48A C 1450

CUP# F1373

TAG# 396745, 746, 747

COLOR TEC ON CPT 48A C 1500
1ST ROW ND, 2ND ROW ND, 3rd ROW O.7ppm

MOBBY TO THE EAST AND POSITIVE

CPT#49 C 1525

POSITIONED WITH PUSH TO 35'

TARGET SAND C BANK - 30'

COLLECTED WATER SAMPLE CPT#49

#49A CONCRETE 1600

CUP# F1374 ALSO MISSED

TAG#S

COLOR TEC CPT#49A C 1630
1ST ROW ND, 2ND ROW ND, 3rd ROW NDTOOK PHOTOS OF STEEL PROPERTY
AND TALKED WITH HIM.

LEFT AND OFFICE C 1700

ARRIVE BAR C 1830

MINS W 142474

D

Validation Report for Analytical Results

LOCKHEED MARTIN SERVICES GROUP
ESAT REGION 6
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

MEMORANDUM

DATE: September 23, 2004
TO: Marvelyn Humphrey, ESAT PO, Region 6
FROM: Tom C.H. Chiang, ESAT Program Manager, Region 6
SUBJECT: CLP Data Review
REF: TDF # 6-04-249A ESAT # O-0573
ESAT Contract No. 68-W-01-030

Attached is the data review summary for Case # 33186
SDG # F1353
Site Jones Road Ground Water Plume

COMMENTS:

I. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

CCS and hardcopy reviews found the data package contractually compliant.

II. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of sample results reviewed was 700 for this data package. Some results were qualified because of technical problems. The significant problem is addressed below.

The instrument had a very poor sensitivity for methyl acetate, causing the result for this analyte to be qualified as unusable for eight samples.

III. OTHER AREAS OF CONCERN

Trip blank samples F1366 and F1370 had excessive methyl tert-butyl ether contamination (up to 18X CRQL specified in OLC03.2).

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099**

ORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	<u>33186</u>	SITE	<u>Jones Road Ground Water Plume</u>
LABORATORY	<u>LIBRTY</u>	NO. OF SAMPLES	<u>14</u>
CONTRACT#	<u>68-W-01-043</u>	MATRIX	<u>Water</u>
SDG#	<u>F1353</u>	REVIEWER (IF NOT ESB)	<u>ESAT</u>
SOW#	<u>OLC03.2/Mod. 1132.0</u>	REVIEWER'S NAME	<u>Tseng-Ying Fan</u>
ACCT#	<u>4302DD2CJN57</u>	COMPLETION DATE	<u>September 23, 2004</u>
SF#	<u>302DD2CNK</u>		

SAMPLE NO.	<u>F1353</u>	<u>F1361</u>	<u>F1369</u>	<u>F1373</u>	<u> </u>
	<u>F1355</u>	<u>F1363</u>	<u>F1370</u>	<u>F1374</u>	<u> </u>
	<u>F1357</u>	<u>F1364</u>	<u>F1371</u>	<u> </u>	<u> </u>
	<u>F1360</u>	<u>F1366</u>	<u>F1372</u>	<u> </u>	<u> </u>

DATA ASSESSMENT SUMMARY

VOA

1. HOLDING TIMES	<u> O </u>
2. GC/MS TUNE/INSTR. PERFORM.	<u> O </u>
3. CALIBRATIONS	<u> M </u>
4. BLANKS	<u> M </u>
5. DMC/SURROGATES	<u> O </u>
6. MATRIX SPIKE/DUPLICATE/LCS	<u> O </u>
7. OTHER QC	<u> O </u>
8. INTERNAL STANDARDS	<u> O </u>
9. COMPOUND ID/QUANTITATION	<u> O </u>
10. PERFORMANCE/COMPLETENESS	<u> O </u>
11. OVERALL ASSESSMENT	<u> M </u>

O = Data had no problems.

M = Data qualified due to major or minor problems.

Z = Data unacceptable.

NA = Not applicable.

ACTION ITEMS:

AREA OF CONCERN: Methyl acetate failed technical minimum RRF calibration criteria, causing the QL for this analyte to be qualified as unusable for eight samples. Laboratory contamination caused some result qualification for five samples.

NOTABLE PERFORMANCE:

**COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW**

Jones Road

CASE 33186 SDG F1353 SITE Ground Water Plume LAB LIBRTY

The following is a summary of sample qualifiers used by Region 6 in reporting this CLP data:

<u>No.</u>	<u>Acceptable</u>	<u>Provisional</u>	<u>Unacceptable</u>
VOA	5	9	

COMMENTS: This SDG consisted of 14 water samples for VOA analysis following Low Concentration CLP SOW OLC03.2 and modification reference 1132.0 to ensure that quantitation limit (QL) requirement was met for four of the target compounds designated as compounds of concern. The OTR/COC Records did not designate a sample for laboratory QC. Per Region 6 instructions, the laboratory performed MS/MSD analyses on sample F1374 which had extra volume. The sampler designated samples F1360 and F1361 as rinsates, samples F1363 and F1364 as field blanks, and samples F1366 and F1370 as trip blanks. The RSCC verified that samples F1353/F1369 and F1357/F1371 were field duplicate pairs. The data package was contractually compliant and arrived on time for the seven-day contractual turnaround time requirement.

The TDF requested that this package be reviewed at Level 2 review with the exception of the data for the compounds of concern which were reviewed at Level 3. The target compounds of concern with the user's desired detection limits, as specified in the modified analysis request, in parentheses were vinyl chloride (2 µg/L), cis/trans-1,2-dichloroethene (5 µg/L), trichloroethene (5 µg/L), and tetrachloroethene (5 µg/L). All samples were analyzed at a 4X dilution and achieved the user's desired detection limit requirement. The only compound of concern detected was tetrachloroethene in samples F1371 and F1372. However, the concentrations were below the user's desired detection limit.

The only target compounds not designated as compounds of concern that were detected at concentrations above the laboratory reported quantitation limits were acetone, carbon disulfide, and methylene chloride in several samples and methyl tert-butyl ether in the field and trip blanks. The methyl acetate QL was qualified as unusable for eight samples because of poor instrument sensitivity.

Nine samples are provisional because some results in these samples were qualified for calibration and/or laboratory contamination problems. The technical usability of all reported results is indicated by ESAT's final data qualifiers in the Data Summary Table (DST). An Evidence Audit was conducted for the Complete Sample Delivery Group File (CSF), and the audit results were reported on the Evidence Inventory Checklist.

**ORGANIC QA REVIEW
CONTINUATION PAGE**

Jones Road
CASE 33186 **SDG** F1353 **SITE** Ground Water Plume **LAB** LIBRTY

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

Acceptable = No results were qualified for any problem associated with this QC parameter.

Provisional = Some results were qualified because of problems associated with this QC parameter.

Unusable = All results are unusable because of major problems associated with this QC parameter.

1. Holding Times: Acceptable. All samples were analyzed within the contractual and technical holding time limits, and pH values indicated that these samples were preserved with acid.

NOTE: Polymerization of vinyl chloride and styrene is likely to occur in acid-preserved samples and could cause low biased results for these analytes.

2. Tuning/Performance: Acceptable. BFB analyses met GC/MS tuning criteria.

3. Calibrations: Provisional. All target analytes met contractual calibration criteria. Several compounds failed the technical %RSD or %D calibration criteria. Result qualification was not required because these compounds were not detected in the associated samples at concentrations above the QL's.

Methyl acetate failed the technical minimum RRF criteria for one continuing calibration, so the reviewer qualified the reported QL's as unusable for associated samples F1357, F1361, F1364, F1370, F1371, F1372, F1373, and F1374.

4. Blanks: Provisional. The laboratory blanks met contractual criteria. One method blank contained chloromethane at a concentration below the laboratory QL. The storage blank results indicated low level contamination of the following compounds during sample storage: acetone, methylene chloride, 2-butanone, and toluene. The effects of the laboratory contamination are summarized below.

- The chloromethane, acetone, methylene chloride, 2-butanone, and toluene results below the laboratory QL's for all the samples should be considered as undetected and were flagged "U" at the QL's on the DST.

**ORGANIC QA REVIEW
CONTINUATION PAGE**

Jones Road

CASE 33186 SDG F1353 SITE Ground Water Plume LAB LIBRTY

- The following results above the laboratory QL's were qualified as estimated:

the acetone results for samples F1355, F1371, F1372, and F1373 and

the methylene chloride results for samples F1370, F1371, and F1373.

Field Blanks: Field blank samples F1363 and F1364 were not contaminated.

Trip Blanks: Trip blank samples F1366 and F1370 contained methyl tert-butyl ether at concentrations above the laboratory QL. Because of possible shipping contamination, the methyl tert-butyl ether results below the QL in samples F1373 and F1374 should be considered as undetected and were "U" flagged at the QL on the DST.

Rinsates: Rinsate samples F1360 and F1361 contained high levels of carbon disulfide (40X laboratory QL). Assessment for equipment contamination could not be performed because information associating the samples with the rinsates was unavailable. Carbon disulfide was detected at various concentrations in the samples in this SDG, and the results should be used with caution because of possible equipment contamination, in the reviewer's opinion.

5. Deuterated Monitoring Compounds (DMC's)/Surrogates:

Acceptable. All analyses met contractual criteria for DMC recovery although sample F1374MSD had two DMC recoveries exceeding the QC limits. The matrix spike compounds were not associated with either of the DMC outliers.

6. Matrix Spike/Matrix Spike Duplicate/Laboratory Control Sample

(MS/MSD/LCS): Acceptable. The 1,1-dichloroethene had a high RPD. Since this analyte was not detected in the native sample, result qualification was unnecessary. All other MS/MSD results met the QC criteria for precision and %recovery.

7. Other QC:

Field Duplicates: Acceptable. The field duplicate results were consistent with one exception. The analyst reported a carbon disulfide concentration at 10X the laboratory QL for sample F1357 and a much lower carbon disulfide concentration (below the laboratory QL) for the field duplicate sample F1371. Because these samples were collected right after rinsate sample F1361 with an even higher carbon disulfide concentration (40X laboratory QL), the reviewer suspects it was variation in the

**ORGANIC QA REVIEW
CONTINUATION PAGE**

Jones Road

CASE 33186 **SDG** F1353 **SITE** Ground Water Plume **LAB** LIBRTY

equipment contamination level rather than poor sampling precision that caused the inconsistent carbon disulfide concentrations for this field duplicate sample pair. Therefore, no results were qualified.

8. Internal Standards (IS): Acceptable. IS performance was acceptable for all analyses.

9. Compound Identity (ID)/Quantitation: Acceptable. Target compounds detected at concentrations above the laboratory QL's were acetone, carbon disulfide, and methylene chloride in several samples including the rinsates and methyl tert-butyl ether in the trip blanks. All reported sample results met compound identification criteria.

10. Performance/Completeness: Acceptable. The data package was complete. The DST included in this report is the final version.

11. Overall Assessment: Five samples are acceptable. The following samples are provisional because some results were qualified for calibration and/or laboratory contamination problems: F1355, F1357, F1361, F1364, F1370, F1371, F1372, F1373, and F1374.

HEADER DEFINITIONS FOR ORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASNUM: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
LABQUAL: Laboratory Qualifier
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
CRQLLBL: Contract Required Quantitation Limit Label
SMPDATE: Sampling Date
VALDQAL: Region 6 Organic Data Validation Qualifier (see Organic Data Qualifier Definitions on the next page)
STATLOC: Station Location

Disclaimer: ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, and VALDQAL. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U** Not detected at reported quantitation limit.
- N** Identification is tentative.
- J** Estimated value.
- L** Reported concentration is below the CRQL.
- M** Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.
- R** Unusable.
- ^** High biased. Actual concentration may be lower than the concentration reported.
- v** Low biased. Actual concentration may be higher than the concentration reported.
- F+** A false positive exists.
- F-** A false negative exists.
- B** This result may be high biased because of laboratory/field contamination. The reported concentration is above 5X or 10X the concentration reported in the method/field blank.
- UJ** Estimated quantitation limit.
- T** Identification is questionable because of absence of other commonly coexisting pesticides.
- *** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.
- W** The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

LOCKHEED MARTIN SERVICES GROUP
ESAT REGION 6
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

MEMORANDUM

DATE: September 30, 2004
TO: Marvelyn Humphrey, ESAT PO, Region 6
FROM: Tom C.H. Chiang, ESAT Program Manager, Region 6
SUBJECT: CLP Data Review
REF: TDF # 6-04-248A ESAT # O-0576
ESAT Contract No. 68-W-01-030

Attached is the data review summary for Case # 33186
SDG # F1328
Site Jones Road Ground Water Plume

COMMENTS:

I. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

CCS audit found the data package contractually compliant. Hardcopy review detected the contractually noncompliant item below that CCS is not expected to detect.

The data package arrived one working day late for the contractual seven-day turnaround time requirement.

II. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of sample results reviewed was 1000 for this data package. Some results were qualified because of technical problems. The significant problems are addressed below.

- A. Trichloroethene had high MS/MSD recoveries and RPD.
- B. Field duplicate samples F1377 and F1388 had inconsistent results for cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene.

III. OTHER AREAS OF CONCERN

Trip blank sample F1328 and field blank sample F1378 had excessive methyl tert-butyl ether contamination (up to 7.6X CRQL specified in OLC03.2).

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099**

ORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	<u>33186</u>	SITE	<u>Jones Road Ground Water Plume</u>
LABORATORY	<u>LIBRTY</u>	NO. OF SAMPLES	<u>20</u>
CONTRACT#	<u>68-W-01-043</u>	MATRIX	<u>Water</u>
SDG#	<u>F1328</u>	REVIEWER (IF NOT ESB)	<u>ESAT</u>
SOW#	<u>OLC03.2/Mod. 1132.0</u>	REVIEWER'S NAME	<u>Tseng-Ying Fan</u>
ACCT#	<u>4302DD2CJN57</u>	COMPLETION DATE	<u>September 30, 2004</u>
SF#	<u>302DD2CNK</u>		

SAMPLE NO.	<u>F1328</u>	<u>F1359</u>	<u>F1377</u>	<u>F1381</u>	<u>F1385</u>
	<u>F1345</u>	<u>F1362</u>	<u>F1378</u>	<u>F1382</u>	<u>F1386</u>
	<u>F1347</u>	<u>F1365</u>	<u>F1379</u>	<u>F1383</u>	<u>F1387</u>
	<u>F1349</u>	<u>F1368</u>	<u>F1380</u>	<u>F1384</u>	<u>F1388</u>

DATA ASSESSMENT SUMMARY

	VOA
1. HOLDING TIMES	<u>O</u>
2. GC/MS TUNE/INSTR. PERFORM.	<u>O</u>
3. CALIBRATIONS	<u>M</u>
4. BLANKS	<u>M</u>
5. DMC/SURROGATES	<u>O</u>
6. MATRIX SPIKE/DUPLICATE/LCS	<u>M</u>
7. OTHER QC	<u>M</u>
8. INTERNAL STANDARDS	<u>O</u>
9. COMPOUND ID/QUANTITATION	<u>O</u>
10. PERFORMANCE/COMPLETENESS	<u>O</u>
11. OVERALL ASSESSMENT	<u>M</u>

O = Data had no problems.
M = Data qualified due to major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

ACTION ITEMS: The data package was one working day late.

AREA OF CONCERN: Methyl tert-butyl ether failed the technical %D calibration criteria. Laboratory and field contamination caused some result qualifications. Trichloroethene had high MS/MSD recoveries and RPD. Field duplicate samples F1377 and F1388 had inconsistent results for three analytes.

NOTABLE PERFORMANCE:

**COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW**

Jones Road

CASE 33186 **SDG** F1328 **SITE** Ground Water Plume **LAB** LIBRTY

The following is a summary of sample qualifiers used by Region 6 in reporting this CLP data:

<u>No.</u>	<u>Acceptable</u>	<u>Provisional</u>	<u>Unacceptable</u>
VOA	<u>13</u>	<u>7</u>	<u> </u>

COMMENTS: This SDG consisted of 20 water samples for VOA analysis following Low Concentration CLP SOW OLC03.2 and modification reference 1132.0 to ensure that quantitation limit (QL) requirement was met for four of the target compounds designated as compounds of concern. The OTR/COC Records did not designate a sample for laboratory QC. Per Region 6 instructions, the laboratory performed MS/MSD analyses on sample F1388 which had extra volume. The sampler designated samples F1359 and F1379 as rinsates, samples F1362 and F1378 as field blanks, and samples F1328 and F1365 as trip blanks. The RSCC verified that samples F1349/F1368 and F1377/F1388 were field duplicate pairs. The data package arrived one working day late for the contractual seven-day turnaround time requirement.

The TDF requested that this package be reviewed at Level 2 review with the exception of the data for the compounds of concern which were reviewed at Level 3. The target compounds of concern with the user's desired detection limits, as specified in the modified analysis request, in parentheses were vinyl chloride (2 µg/L), cis/trans-1,2-dichloroethene (5 µg/L), trichloroethene (5 µg/L), and tetrachloroethene (5 µg/L). All the samples were analyzed at 4X dilution initially to meet the user's desired detection limit requirement. However, trans-1,2-dichloroethene did not meet the user's desired detection limit requirement for samples F1387 and F1388 because the initial analyses only reported results for vinyl chloride while the further diluted reanalyses had trans-1,2-dichloroethene QL's above the user's desired detection limit. The rest of the samples met the user's desired detection limit requirement.

Some target compounds of concern were detected at concentrations above the user's desired detection limits in samples F1377, F1381, F1383, F1386, F1387, and F1388. The concentrations were very high and required over 100X dilution for samples F1377, F1383, and F1388.

The only target compounds not designated as compounds of concern that were detected at concentrations above the laboratory quantitation limits (QL's) were 1,1-dichloroethene, chloroethane, toluene, field/shipping contaminants methyl tert-butyl ether and acetone, and equipment contaminant carbon disulfide in several samples.

**ORGANIC QA REVIEW
CONTINUATION PAGE**

Jones Road

CASE 33186 **SDG** F1328 **SITE** Ground Water Plume **LAB** LIBRTY

Seven samples are provisional because some results in these samples were qualified for problems with calibration, laboratory/field contamination, MS/MSD performance, and inconsistent field duplicate results. The technical usability of all reported results is indicated by ESAT's final data qualifiers in the Data Summary Table (DST). An Evidence Audit was conducted for the Complete Sample Delivery Group File (CSF), and the audit results were reported on the Evidence Inventory Checklist.

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

Acceptable = No results were qualified for any problem associated with this QC parameter.

Provisional = Some results were qualified because of problems associated with this QC parameter.

Unusable = All results are unusable because of major problems associated with this QC parameter.

1. Holding Times: Acceptable. All samples were analyzed within the contractual and technical holding time limits, and pH values indicated that these samples were preserved with acid.

NOTE: Polymerization of vinyl chloride and styrene is likely to occur in acid-preserved samples and could cause low biased results for these analytes.

2. Tuning/Performance: Acceptable. BFB analyses met GC/MS tuning criteria.

3. Calibrations: Provisional. All target analytes met contractual calibration criteria. Several compounds failed the technical %RSD or %D calibration criteria. The reviewer qualified as estimated the reported concentrations for methyl tert-butyl ether for samples F1328 and F1380 because the compound failed technical %D criteria for the associated continuing calibration. Result qualification was not required for other compounds because they were not detected in the associated samples.

The daily calibration associated only with the storage blank had methyl acetate failing the technical minimum RRF criteria, rendering the methyl acetate QL unusable for the storage blank. Since methyl acetate was not detected in any of the samples in

**ORGANIC QA REVIEW
CONTINUATION PAGE**

Jones Road

CASE 33186 **SDG** F1328 **SITE** Ground Water Plume **LAB** LIBRTY

this SDG, there was no concern over its being a potential laboratory contaminant. Therefore, the lack of usable methyl acetate result for the storage blank had no impact on its intended use.

4. Blanks: Provisional. The laboratory blanks met contractual criteria. One method blank contained bromoform at a concentration above the CRQL, and the source of contamination may be breakdown product of bromoform-d in the DMC spiking solution. The method blanks contained low levels of chlorinated compounds, aromatics, and ketones. The storage blank results showed there was no crossover contamination during sample storage. The effects of the laboratory contamination are summarized below.

- All laboratory "B" flagged results below the laboratory QL's should be considered as undetected and were flagged "U" at the QL's on the DST.
- The toluene result above the laboratory QL for sample F1377 was qualified as biased high (reviewer "B" flag).

Field Blanks: Field blank sample F1362 contained acetone at a concentration below the laboratory QL. Field blank sample F1378 contained methyl tert-butyl ether at a concentration above the laboratory QL and 1,1-dichloroethene and total xylenes at concentrations below the laboratory QL's. The effects of the field contamination are summarized below.

- Results below the laboratory QL's for the following analytes should be considered as undetected and were "U"-flagged at the QL's on the DST:

acetone in samples F1347, F1349, and F1368;

methyl tert-butyl ether in samples F1377, F1382, and F1383; and

total xylenes in sample F1384.

- The 1,1-dichloroethene result above the laboratory QL for sample F1383 was qualified as biased high (reviewer "B" flag).
- Results above the laboratory QL's for the following analytes should be considered as undetected ("U"), and the reported concentrations should be used as raised QL's ("M"):

acetone in sample F1345 and

methyl tert-butyl ether in samples F1380 and F1385.

**ORGANIC QA REVIEW
CONTINUATION PAGE**

Jones Road

CASE 33186 SDG F1328 SITE Ground Water Plume LAB LIBRTY

Trip Blanks: Trip blank sample F1365 was free from contamination. Trip blank sample F1328 contained methyl tert-butyl ether at a concentration above the laboratory QL and methylene chloride and 2-butanone at concentrations below the laboratory QL's. Because of shipping contamination, results below the laboratory QL's for the following analytes should be considered as undetected and were "U"-flagged at the QL's on the DST:

methyl tert-butyl ether in samples F1377, 1382, and F1383
and

methylene chloride in samples F1377, F1380, F1381, F1382,
F1383, and F1386DL.

Rinsates: Rinsate sample F1359 contained an extremely high carbon disulfide concentration (2300 µg/L). Rinsate sample F1379 contained concentrations below the laboratory QL's of acetone, methylene chloride, cis-1,2-dichloroethene, 2-butanone, trichloroethene, and tetrachloroethene. Assessment for equipment contamination could not be performed because information associating the samples with the rinsates was unavailable.

5. Deuterated Monitoring Compounds (DMC's)/Surrogates:

Acceptable. All analyses met contractual criteria for DMC recovery although the VDMC7 recoveries exceeded the QC limit for samples F1377DL, F1378, F1384, F1385, F1387DL, and F1388DLMSD. The high VDMC7 (benzene-d6) recovery for sample F1388DLMSD explained the high MSD recovery for benzene. The high VDMC7 recoveries for the rest of the samples did not impact result usability because the associated compound, benzene, was not detected in these samples.

6. Matrix Spike/Matrix Spike Duplicate/Laboratory Control Sample (MS/MSD/LCS): Provisional. The following MS/MSD results exceeded the QL limits:

MS/MSD recoveries for trichloroethene,

MSD recoveries for benzene and toluene, and

RPD's for benzene and trichloroethene.

The reviewer qualified the trichloroethene result for native sample F1388DL because of high MS/MSD recoveries and RPD. Since benzene and toluene were not detected in the native sample, the high MSD recoveries and/or RPD did not affect sample data usability.

**ORGANIC QA REVIEW
CONTINUATION PAGE**

Jones Road

CASE 33186 **SDG** F1328 **SITE** Ground Water Plume **LAB** LIBRTY

7. Other QC:

Field Duplicates: Provisional. Field duplicate samples F1349 and F1368 had consistent results. The other field duplicate pair, samples F1377 and F1388, had high concentrations of cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene, but the reported concentrations were up to 5X different between these two samples. Therefore, the reviewer qualified the cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene results as estimated for samples F1377DL and F1388DL.

8. Internal Standards (IS): Acceptable. IS performance was acceptable for all analyses.

9. Compound Identity (ID)/Quantitation: Acceptable. Target compounds detected at concentrations above the laboratory QL's were vinyl chloride, 1,1-dichloroethene, chloroethane, cis/trans-1,2-dichloroethene, trichloroethene, tetrachloroethene, field/shipping contaminants acetone and methyl tert-butyl ether, and equipment contaminant carbon disulfide. All reported sample results met compound identification criteria.

10. Performance/Completeness: Acceptable. The data package was incomplete because of a missing data page. The laboratory was contacted for this omission and other reporting issues (see Resubmission Request). The laboratory response to the Region 6 request may affect the DST.

A laboratory resubmission in response to the CCS was received. The reviewer used the resubmitted pages to replace the corresponding ones in the data package and placed the resubmission cover page at the beginning of the data package.

11. Overall Assessment: Thirteen samples are acceptable. The following samples are provisional because some results were qualified for problems with calibration, laboratory/field contamination, MS/MSD performance, and inconsistent field duplicate results: F1328, F1345, F1377/DL, F1380, F1383, F1385, and F1388DL.

HEADER DEFINITIONS FOR ORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASNUM: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
LABQUAL: Laboratory Qualifier
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
CRQLLBL: Contract Required Quantitation Limit Label
SMPDATE: Sampling Date
VALDQAL: Region 6 Organic Data Validation Qualifier (see Organic Data Qualifier Definitions on the next page)
STATLOC: Station Location

Disclaimer: ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, and VALDQAL. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.

ORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U** Not detected at reported quantitation limit.
- N** Identification is tentative.
- J** Estimated value.
- L** Reported concentration is below the CRQL.
- M** Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.
- R** Unusable.
- ^** High biased. Actual concentration may be lower than the concentration reported.
- v** Low biased. Actual concentration may be higher than the concentration reported.
- F+** A false positive exists.
- F-** A false negative exists.
- B** This result may be high biased because of laboratory/field contamination. The reported concentration is above 5X or 10X the concentration reported in the method/field blank.
- UJ** Estimated quantitation limit.
- T** Identification is questionable because of absence of other commonly coexisting pesticides.
- *** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.
- W** The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 33186 SDG No. F1328 SDG Nos. To Follow _____ SAS No. _____ Date Rec 09/03/04

EPA Lab ID: <u>LIBRTY</u> Lab Location: <u>Cary, NC</u> Region: <u>6</u> Audit No.: <u>33186/F1328</u> Resubmitted CSF? Yes _____ No <u>X</u> Box No(s): <u>1</u> COMMENTS:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">ORIGINALS</th> <th style="text-align: center;">YES</th> <th style="text-align: center;">NO</th> <th style="text-align: center;">N/A</th> </tr> </thead> <tbody> <tr> <td colspan="4">CUSTODY SEALS</td> </tr> <tr> <td>1. Present on package?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td>2. Intact upon receipt?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">FORM DC-2</td> </tr> <tr> <td>3. Numbering scheme accurate?</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>4. Are enclosed documents listed?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td>5. Are listed documents enclosed?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">FORM DC-1</td> </tr> <tr> <td>6. Present?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td>7. Complete?</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>8. Accurate?</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td colspan="4">CHAIN-OF-CUSTODY RECORD(s)</td> </tr> <tr> <td>9. Signed?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td>10. Dated?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">TRAFFIC REPORT(s) PACKING LIST(s)</td> </tr> <tr> <td>11. Signed?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td>12. Dated?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">AIRBILLS/AIRBILL STICKER</td> </tr> <tr> <td>13. Present?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td>14. Signed?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td>15. Dated?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">SAMPLE TAGS</td> </tr> <tr> <td>16. Does DC-1 list tags as being included?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td>17. Present?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td colspan="4">OTHER DOCUMENTS</td> </tr> <tr> <td>18. Complete?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td>19. Legible?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> <tr> <td>20. Original?</td> <td></td> <td style="text-align: center;">X</td> <td></td> </tr> <tr> <td>20a. If "NO", does the copy indicate where original documents are located?</td> <td style="text-align: center;">X</td> <td></td> <td></td> </tr> </tbody> </table>	ORIGINALS	YES	NO	N/A	CUSTODY SEALS				1. Present on package?	X			2. Intact upon receipt?	X			FORM DC-2				3. Numbering scheme accurate?		X		4. Are enclosed documents listed?	X			5. Are listed documents enclosed?	X			FORM DC-1				6. Present?	X			7. Complete?		X		8. Accurate?		X		CHAIN-OF-CUSTODY RECORD(s)				9. Signed?	X			10. Dated?	X			TRAFFIC REPORT(s) PACKING LIST(s)				11. Signed?	X			12. Dated?	X			AIRBILLS/AIRBILL STICKER				13. Present?	X			14. Signed?	X			15. Dated?	X			SAMPLE TAGS				16. Does DC-1 list tags as being included?	X			17. Present?	X			OTHER DOCUMENTS				18. Complete?	X			19. Legible?	X			20. Original?		X		20a. If "NO", does the copy indicate where original documents are located?	X		
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Over for additional comments.

Audited by: _____	Tseng-Ying Fan/ESAT Data Reviewer	Date <u>09/30/04</u>
Audited by: _____	_____	Date _____
Audited by: _____	_____	Date _____

Signature

Printed Name/Title

DC-2__

In Reference To Case No(s):
33186 SDG: F1328 (O-0576)

**Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM**

Resubmission Request

Laboratory Name: LIBRTY
Lab Contact: Bob Meierer
Region: 6
Regional Contact: Mahmoud El-Feky - EPA
ESAT Reviewer: Tseng-Ying Fan - ESAT

In reference to data for the following fractions:

CSF Deliverables VOA

Summary of Questions/Issues:

A. CSF Deliverables

Form DC-1 on p. 767:

1. Most of the items in the Remarks column were not filled out. Please resubmit this page with the omissions corrected.
2. OTR/COC Records 6-073826063-082304-0001 indicated that Airbill No. 1Z66V7252210004306 was associated with the samples listed on this Form DC-1. However, the sample custodian recorded on this Form DC-1 and submitted Airbill No. 1Z66V7252210004280 instead. Please explain this discrepancy.

B. VOA

1. Samples F1387DL and F1388DL had trans-1,2-dichloroethene QL's exceeding the detection limit specified in Flex Clause 1132.0. The trans-1,2-dichloroethene QL's from the 4X diluted analyses would meet the Flex Clause requirement but were not reported. Please kindly submit the quantitation data and report the result for trans-1,2-dichloroethene for the 4X diluted samples F1387 and F1388.

Resubmission Request

Continuation Page: 2

Laboratory/Contact: LIBRTY/Bob Meierer

In Reference to Case No. 33186 **SDG:** F1328

2. The first page of the quantitation report was missing for continuing calibration standard VSTD005AX (9/1/2004, 13:33, instrument 5972HP71). Please submit as page 562A.
3. Form VI, p. 438 - p. 440: The reported starting calibration date and time were incorrect and should be 08/27/2004 and 0032, respectively. Please correct this mistake on these Form VI pages and the associated Form VII pages 575 to 577.

NOTE: Any laboratory resubmission should be submitted either as an addendum to the original CSF with a revised Form DC-2 or submitted as a new CSF with a new Form DC-2 (OLC03.2, B-36, 2.6.3). Custody seals are required for all such shipments.

Please respond to the above items **within 7 days** by e-mail to El-Feky.Mahmoud@epamail.epa.gov and by regular mail to:

Mr. Mahmoud El-Feky
U.S. EPA Region 6 Laboratory
10625 Fallstone Road
Houston, TX 77099

If you have any questions, please contact Mr. El-Feky at (281) 983-2128.

Distribution: (1) Lab Copy, (2) Region Copy, and (3) ESAT Copy