



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 65115

Plm
Stale/Craig

300624

October 16, 1985

MEMORANDUM

SUBJECT: Site Investigation Report - Capitol Oil/Economy Products
Omaha, Nebraska

FROM: Paul E. Doherty
Chief, SINV/EP&R/ENSV *Plm*

TO: Robert L. Morby
Chief, SPFD

THRU: William J. Keffer
Chief, EP&R/ENSV *Plm*

John C. Wicklund
Director, ENSV *Plm*

David A. Wagoner
Director, WSTM

Attached for your review is a final report on the full field investigation conducted at the above-referenced facilities. Since the subject facilities are located adjacent to each other and because of the inter-relationship of the two operations, a joint investigation was conducted. A decision on performing additional investigation of either site should be delayed until after on-going immediate removal activity at the Economy Products site is completed. We anticipate some soil removal work will be conducted as part of this action.

Please note that separate Site Investigation forms for each site are included in the report appendices.

If you have any questions or comments, please call me at 236-8888.

Attachments



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ecology and environment, inc.

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FAIRWAY WEST OFFICE BLDG., 4350 JOHNSON DRIVE, SHAWNEE MISSION, KANSAS 66205, TEL. 913-432-9961

International Specialists in the Environment

MEMORANDUM

TO: Paul Doherty, ARPO

FROM: Sharon Martin, FIT

DATE: September 30, 1985

SUBJECT: SI Reports for Capitol Oil/Economy Products, Omaha, Nebraska
TDD # R-07-8403-09C

Attached is the final report for the Economy Products and Capitol Oil sites located in Omaha, Nebraska. These SI's were completed concurrently and thus only one final report is submitted for the two sites. Although most data results are approximate values, a large number of positives were found. Main contaminants are pesticides and PAH's, but some heavy metal values are also elevated. Some interpretations are given; but these should be considered tentative due to the qualitative nature of the data, and due to high detection limits in many samples because of high organic contents.

Hopefully, the results of the resampling for pesticides at the sites (TDD # R-07-8505-03A) will be more quantitative and can serve as the basis of more reliable interpretations on pollutant sources and pathways. The voluminous data of this report could be more easily grasped graphically, but time did not permit the preparation of maps for the many contaminants. Toxaphene (R-07-8505-03A) and lead values (this report) are the only contaminants currently plotted on maps. Data contouring may be considered when the outstanding pesticide data arrives.

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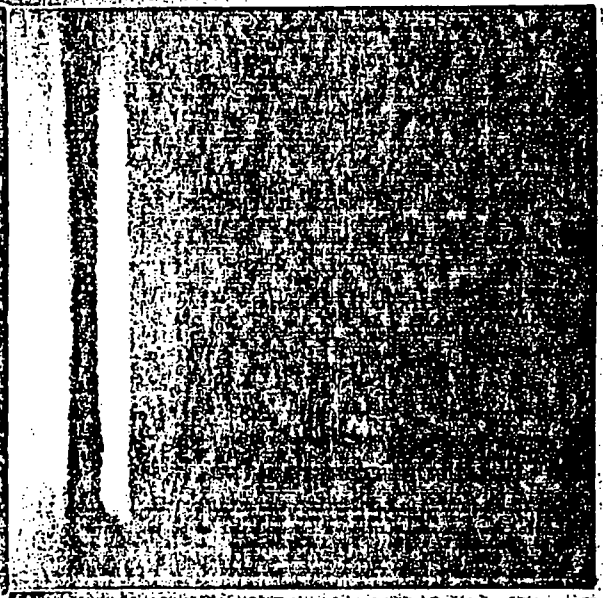
HAZARDOUS
SITE CONTROL
DIVISION

Remedial
Planning/
Field
Investigation
Team
(REM/FIT)
ZONE II

CONTRACT NO.
618-01-6692

CHAMBERHILL
Ecology &
Environment

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300627

Final Report
Economy Products
TDD# R-07-8403-08G
and
Capitol Oil
TDD# R-07-8403-09C

September 30, 1985

Submitted to: Paul E. Doherty, ARPO
Prepared by Region VII REM/FIT
Task Leader: Sharon P. Martin

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SECTION 1: INTRODUCTION

The Region VII U.S. Environmental Protection Agency (EPA) has tasked the Field Investigations Team (FIT) of Ecology and Environment, Inc. to conduct a full field investigation of the Economy Products and Capitol Oil sites in Omaha, Nebraska. This investigation was requested to include soil and water sampling, and monitoring well installation, if monitoring wells were determined to be needed for groundwater monitoring. Work plans for the sites were submitted under Technical Directive Document (TDD) R-07-8403-08 and 09, respectively. Access agreements, a subcontract package, and other preliminary arrangements were made under A-modifications to these TDD's. The work plan was implemented under the B-modifications to these TDD's and the results are discussed in this report. Due to a delay in the arrival of analytical data, this report was prepared under other TDD modifications.

Three monitoring wells were installed, under subcontract to FIT, around the Economy Products and Capitol Oil sites. Their installation specifications and the results of subsequent sampling are discussed within this report. Nearly sixty soil samples were collected, many of which are from 4-foot deep borings. Methods used during this investigation are discussed in Section 4, with the data results in Section

6. Section 5 is a sample summary correlating sample number to location.

This full-field investigation excluded the interior of the Economy Products building as the State of Nebraska retained this lead when this SI (Site Inspection) commenced. In the interim of the work discussed herein, the state relinquished their lead and EPA became involved with immediate removal with regard to the building. The subsequent sampling and remedial investigations conducted in association with this cleanup, are not discussed in this report. The immediate removal task was handled by EPA (EP&R) and TAT (Technical Assistance Team), as it is outside the scope of work for the FIT.

SECTION 2: SITE HISTORY

2.1 ECONOMY PRODUCTS

The Economy Products site is located at 1126 North 11th Street in Omaha, Nebraska (See Figure 2.1). The site is located within the SW 1/4, SE 1/4, NE 1/4, Sec. 15, T. 15 N., R. 13 E. of the Omaha North Quadrangle in Douglas County, Nebraska. A four story warehouse is located on the property (Figure 2.2). In June 1974, Economy Products, Inc., purchased the site plus the adjoining property to the north from Maroba Company. In October, 1977 Economy Products, Inc., mortgaged the site to Capitol Oil Corporation. In December, 1977, Economy Products, Inc., and George A. Money mortgaged the site to Industrial State Bank of Kansas.

During its operation at the site from 1970 to 1976 Economy Products, Inc., blended lawn and garden pesticides and animal health pesticides. In 1976 Economy Products, Inc., was notified by OSHA that several improvements needed to be made in order to continue operations at the site. As the corporation was unable to afford the required improvements, the corporation's business was farmed out under a management contract. Economy Products, Inc., was subsequently dissolved. Inland Products, Inc., a corporation incorporated by Mr. George Money, utilized the warehouse to package kitty pan deodorant and a patio fireplace starter

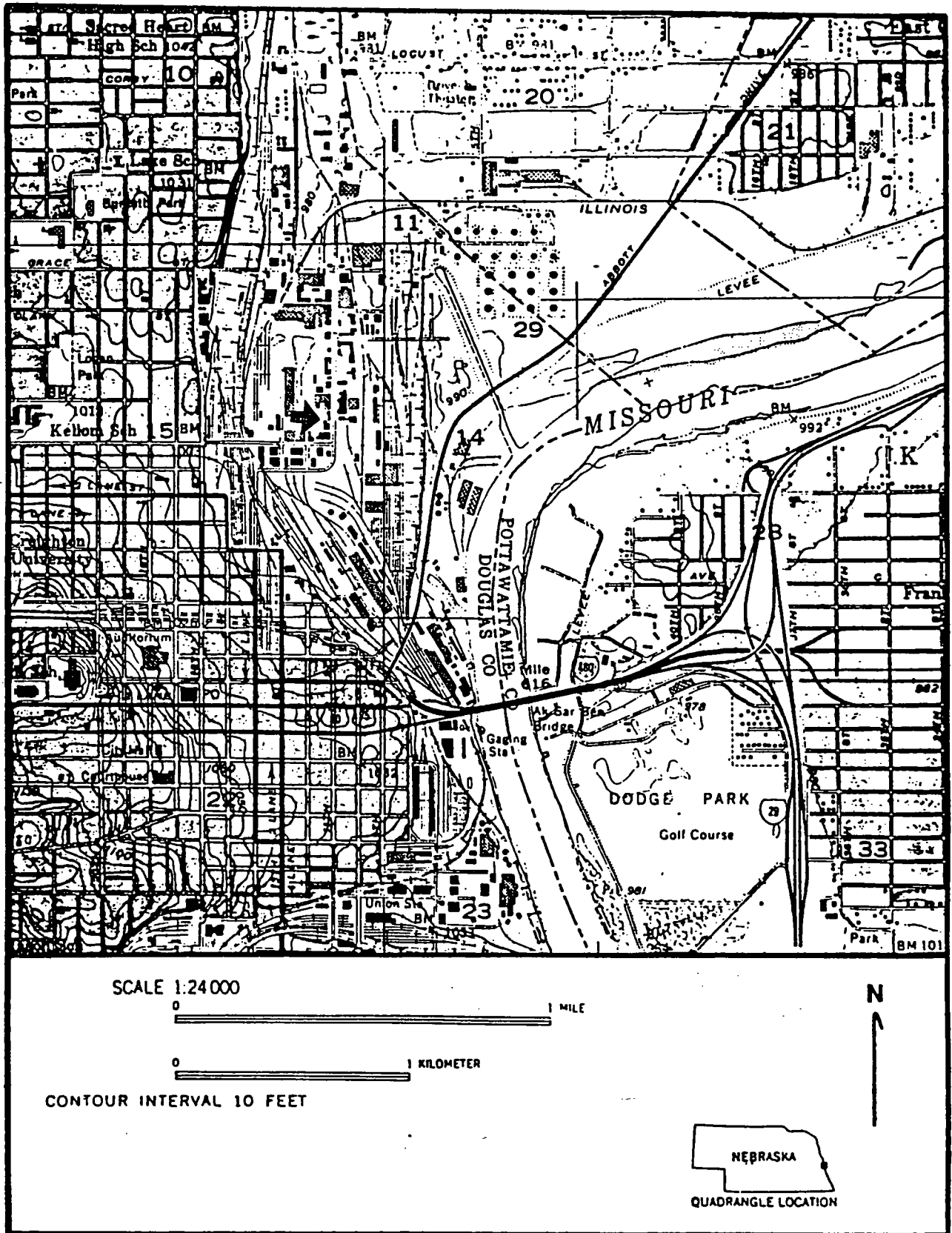


Figure 2.1 Location of the Economy Products and Capitol Oil sites in Omaha, Nebraska (at arrow). Omaha North Quadrangle.

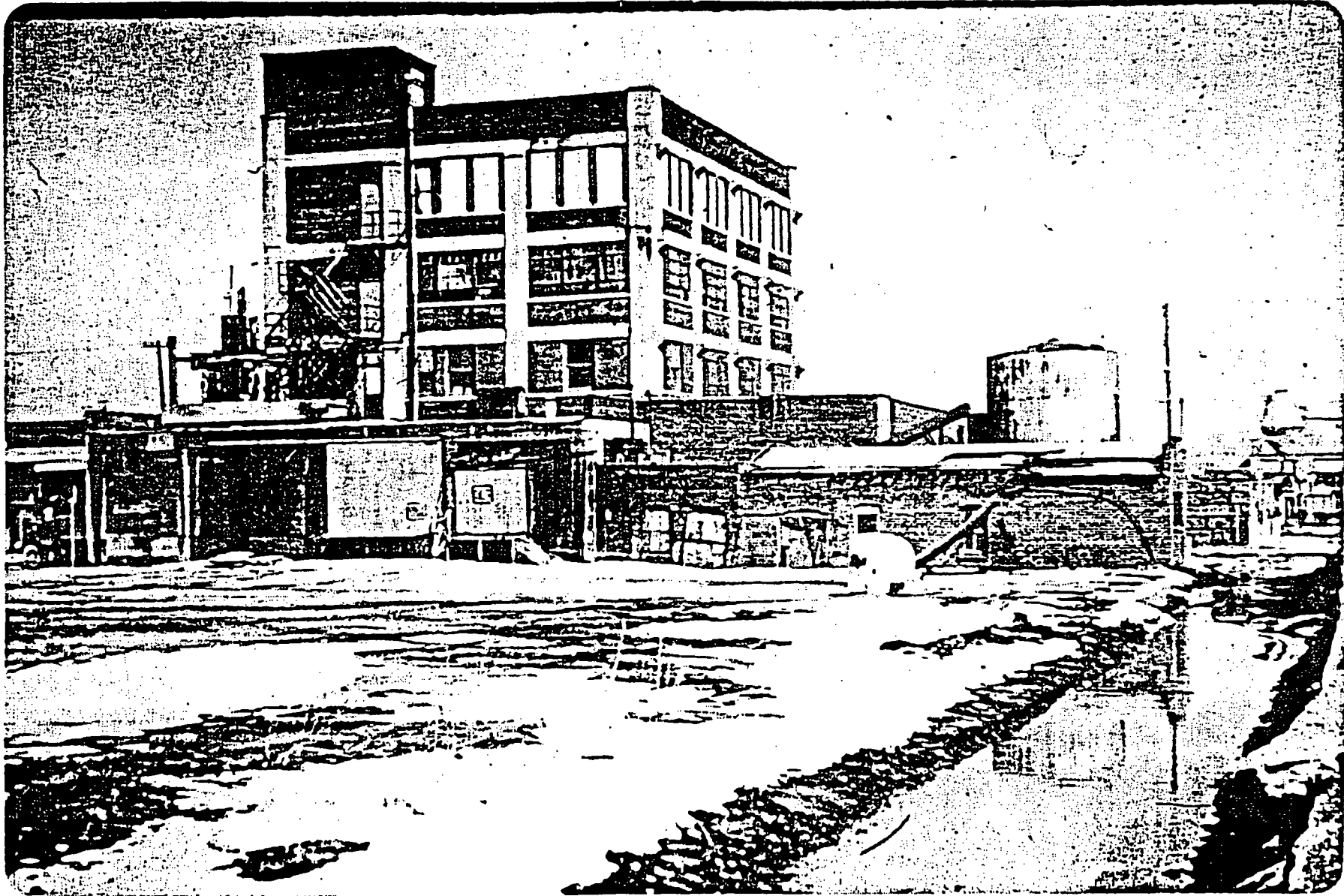


Figure 2.2 Photograph of the Economy Products building and backlot, taken March 22, 1984.

for a short period of time. In December 1982, the Douglas County-Omaha Health Department issued an order to close the warehouse and have its contents removed. On November 30, 1983, the Nebraska Department of Environmental Control (NDEC) requested EPA take the lead responsibility for handling the exterior of this site.

On November 29, 1982 and January 3, 1983 NDEC obtained surface soil and water and subsurface soil samples, respectively, from the areas alongside and behind the warehouse¹. This area is not owned by Economy Products, Inc., but is leased from the John R. Webster Company. The results of this sampling show substantial contamination by pesticides and also metal contamination (see Tables 2.1 and 2.2). Most of this data, however, is the result of E. P. Toxicity tests and is analytically not as accurate as a GC/MS scan. An oil layer was discovered 30" below the ground surface near the southeast corner of the Economy Products building¹. The basement of this facility was found to contain an unknown depth of an oily fluid. An additional problem at the site is the past practice of venting of materials from the side of the building and thus allowing for aerial dispersal of contaminants.

On July 3, 1984 the FIT and one member of the (TAT) conducted a walk-through inspection of the Economy Products building and collected a sample of the oily fluid from the basement of this facility (R-07-8403-08D). The sample (AQ1800) was later found to contain approximately 1% toxa-

Table 2.1
ECONOMY PRODUCTS
OMAHA, NEBRASKA
NEBRASKA DEPARTMENT OF ENVIRONMENTAL CONTROL SAMPLING
November 29, 1982 Surface Sampling

E.P. TOXICITY RESULTS (mg/l)

Sample #	Type of Material	Toxaphene	Lindane	Endrine	Methoxychlor	Chromium Total	Lead	Cadmium	Chromium VI	Location
1	Absorbent	0.0362	0.187	ND	ND	--	--	--	--	Back lot
3	Water	243.58	0.785	0.716	0.062	--	--	--	--	Drum staging area
4	Water	36.544	0.233	ND	ND	--	--	--	--	Abandoned RR area
5	Absorbent	132.80	0.150	ND	ND	--	--	--	--	Near loading dock
7	Clay-like	0.252	0.0043	ND	ND	15.84	0.05	2.24	3.3	Building edge
8	Sludge	296.39	0.095	ND	ND	--	--	--	--	Drum staging area

TOTAL METALS (ppm) AND PESTICIDES, GC/MS FRACTION (ug/l)

Sample #	Copper	Lead	Chromium	Cadmium	Lindane	4,4-DDD	Endosulfon	B Endosulfan	Endrin	Toxaphene
4	0.0376	820.00	3240.0	69.0	--	--	--	--	--	--
7	--	--	--	--	42.884	700.58	614.84	7.938	3.128	79,380.00

See Figure 2.3 for approximate locations.

ND = Not determined

Toxaphene = octachlorocamphene (8001-35-2)

Lindane = 1,2,3,4,5-hexachlorocyclohexane (58-89-9)

Endrine = 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,-4a,5,6,7,8,8a-octahydro-endo (72-20-8)

Methoxychlor = 2,2-bis-(p-methoxyphenyl)-1,1-trichloroethane (72-43-5)

4,4-DDD = 2,2-bis-(p-chlorophenyl)-1,1-dichloroethane (6088-51-3)

Endosulfan = 6,7,8,9,10,10-hexachloro-1,5,5a,6,9-9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3oxide (115-29-7)

NOTE: 2,4,-D and Silvex not determined in samples

2,4,-D = 2,4,-Dichlorophenoxyacetic acid (94-75-1)

Silvex = 2-(2,4,5-trichlorophenoxy) proplonic acid (93-72-1)

Table 2.2
ECONOMY PRODUCTS
OMAHA, NEBRASKA

NEBRASKA DEPARTMENT OF ENVIRONMENTAL CONTROL SAMPLING
(ASSISTED BY FIT AND TAT)
January 3, 1983 Subsurface Sampling

E. P. TOXICITY RESULTS (mg/l) AND PETROLEUM HYDROCARBON (mg/l)

Sample #	Depth Inches	Toxaphene	Endrin	Lindane	Chromium Total	Cadmium	pH	Petroleum Hydrocarbon	Location
1A	12-14	0.74	D	3.5	0.0056	0.0066	7.3	---	Drum Staging Area
1B	24-36	0.03	D	3.8	0.0033	0.0070	8.2	---	
1C	36-48	0.03	D	3.8	0.0022	0.0037	7.9	---	
2	12-24	ND	D	0.60	0.0013	0.0038	6.5	---	Abandoned RR Area
3	12-24	0.49	15	40.0	0.0020	0.0050	7.2	---	Near Loading Dock
7A	12-24	ND	D	0.73	0.0020	0.0048	7.2	---	Near 11th Street and Storage Tank
7B	30	0.01	D	0.31	0.0040	0.0070	7.0	110	

ND = Not determined

D = Above the detection limit, but below the quantification limit

NOTE: Chromium VI not determined in samples.
See table 1 for chemical synonyms and CAS numbers.
See Figure 2.3 for approximate locations.

phene (Appendixes 5 and 7). The building was found to contain large quantities of pesticides and herbicides, as well as various flammable and corrosive materials (R-07-8403-08C and 08D).

Exterior soil sampling and well installation for the full field investigation of this site, originally scheduled prior to the walk-thru inspection, beganⁿ on July 9, 1984. Thirty-seven soil and two water samples were collected under activity number AQL8. Samples from two wells (one background and one downgradient well) are included in this sample series. The results of this sampling are discussed later in this report. Subsequent to this sampling and an CERCLA Administrative Order, EPA (EP&R) and TAT began immediate removal activities at the site on July 19, 1984. These clean-up operations are not the subject of this report and will not be discussed except for a few comparisons of sample results. As part of these clean-up operations, however, the area around the Economy Products building was covered with gravel and a security fence was constructed around the back lot. This new fence is not shown on Figure 2.3, but it approximately aligns with Capitol Oil's back fence. Eight additional monitoring wells were installed both on and offsite during these clean-up operations.

2.2 CAPITOL OIL

The Capitol Oil site is located at 1128 North 11th Street in Omaha, Nebraska and is immediately north of the



Figure 2.4 Photograph of some of the tank farm at Capitol Oil, taken March 22, 1985.

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Economy Products site. This oil reprocessing facility consists of eleven vertical tanks and one horizontal tank (Figure 2.4). Current operation of Capitol Oil Company began in late 1977 or early 1978 to recycle waste oil products². The facility is a subsidiary of Radium Petroleum Company which is in turn owned by Ron Deffenbaugh of Deffenbaugh Industries. The site was previously owned by Economy (Inland) Products, Inc. The area immediately west of the Capitol Oil facility, which includes a fenced parking area is subleased to Capitol Oil Company by the Omaha Hardwood Company (OHARCO) who leases the property from the John R. Webster Company.

The Company is classified as a RCRA non-TSD facility under the provisions of the Nebraska Hazardous Waste Management Program (Appendix 1). Their CERCLA Sec. 103(c) notification (Appendix 1), however, indicates wastes disposed include leaded tank bottoms and separator sludge. According to Radium Petroleum Company, a substantial portion of the tank bottoms from Capitol Oil are shipped to Radium Petroleum in Kansas City for recycling (Appendix 1). Of the approximately 1500 gallons generated semi-monthly, approximately 500 gallons of 90% water and 10% oil are disposed at the Douglas County landfill (Appendix 1). The facility stores and processes an average 484,000 gallons of waste oil per year (Appendix 1).

A preliminary assessment for this site was prepared by the Field Investigation Team (FIT) March 28, 1983 under TDD

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#R-07-8302-05. This site was investigated due to the discovery by NDEC of an oily material at 30 inches of depth in the subsurface at the adjacent Economy Products site. Because the Capitol Oil Company currently processes oil and formerly was located in the Economy Products building, follow-up investigation appeared warranted. Two of the largest storage tanks at the Capitol Oil site were obtained from the Economy Products site as evidenced in aerial photographs taken between 1975 and 1979 and as acknowledged by company officials.

Twenty-one soil samples and one water sample were collected under the AQ13 activity number for the Capitol Oil site. Six of these samples were collected from the tank farm, whereas most of the remainder were from 4-foot deep borings located outside the tank farm. Groundwater from monitoring well #3, located downgradient of Capitol Oil, was collected as part of the AQ13 sample series.

SECTION 3: GEOLOGY

The sites are underlain by recent fill material, up to 15 feet deep; and recent alluvial deposits to 30 - 35 feet deep, below which the Pennsylvanian-age bedrock is reached. Historical aerial photography identify landfill operations approximately 1000+ feet north of the sites from photographs taken 1949 - 1982². Apparently this practice was not conducted at the sites, except for the purpose of raising the surface elevation.

Four to twelve inches of gravel constitute the main surface material at the sites. An aged asphalt material is present in the backlot behind the Economy Products building, and at the time of the sampling was visible in patchy areas approximately 30 feet west of the building. The western half of the abandoned Union Pacific Railroad property (track removed) was not gravelled, but the eastern one half had recently been covered with gravel. Additionally, an ungravelled grassy area exists in front (east) of the Economy Products site.

A variety of fill materials are present beneath the sites. These include cinders, bricks, wood, and various rock particles (shale, limestone, coal, sand, and pea gravel). The matrix of the fill is dominantly clay but some sand and gravel layers are present. The boring logs for the

nine 4-foot borings and the offsite monitoring wells are listed in Tables 3.1 and 3.2 and in Appendix 2. It is interesting to note that organic-rich layers are found in many of the borings. Several of the shallow borings contained layers saturated in oil (see Table 3.1). The organic-rich layers within the offsite well borings did not contain visible oil but rather an apparently solid organic material.

Natural alluvial sediments⁴ are reached at depths of approximately 15 feet and are typically a silty clay, with some sand in well #3 (Table 3.2). The Pennsylvanian-age^{4,5} limestone bedrock (Argentine limestone) was reached at depths of 30.5 to 35.5 feet in these borings.

The Pennsylvanian-age strata consist of alternating layers of limestones and shales and are several hundred feet thick⁴. No registered wells occur within three miles of the sites⁶. The city of Carter Lake, Iowa obtains its water from the city of Omaha⁷, who in turn rely upon the Missouri River. The intakes for Omaha are located near the northern corporate limits⁸, upstream of the sites.

A prominent perched water zone was found in many of the onsite shallow borings (see Table 3.1) and in the offsite well borings (Table 3.2). This zone often consists of quite permeable fill (cinders, gravel, sand) overlying (impermeable) clay. Due to the impermeability of the silty clay alluvium, the depth to the true groundwater table is difficult to determine and variable, dependent largely upon the amount of silt (and occasional fine sand) present. This groundwater table varies from 12 to 17 feet of depth in these borings.

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Table 3.1
ECONOMY PRODUCTS
OMAHA, NEBRASKA
LOGS FOR 4-FEET DEEP BORINGS

Location	Total Depth (feet)	Depth to water (feet)	Type of Materials	Oily	HNU reading (maximum)	Sample depths
P, 6	4	3	Fill - cinders, bricks, clayey, sandy, gravelly	lower half	2	AQ1306 1-2.5' AQ1307 2.5-4'
M, 5	4	---	Fill - cinders, bricks, stones, sand, gravel, clay, bits of coal	lower half	4	AQ1308 1-2' AQ1309 2-3' AQ1310 3-4'
O + 1/2, 1.5	4	2.5	Fill - cinders, brick, glass, wood, sand and gravel	mostly	50	AQ1311 1-2' AQ1312 2-3' AQ1313 3-4"
K, 2.2	6	2.0	Fill - cinders, brick, sand, gravel; clay layers, bottom 6 inch clay contained chunks of slate	(very) middle	100	AQ1314 1-2' AQ1315 2-3' AQ1316 5-6'
G, 11	4	2.0	Fill - clayey at top to cinders (with oil), then clayey again	(very) lower half		AQ1806 0-1' AQ1807 1-2' AQ1808 2-3' AQ1809 3-4'
K, 8	4	---	Fill - silty clayey with wood, brick; little organic matter in clay	---		AQ1810 1-2' AQ1811 2-3' AQ1812 3-4'
K, 5	5.9	2.5	Fill - gravel, sandy, brick; coal bit near bottom	(very) all	22	AQ1813 1-2' AQ1814 2-3' AQ1815 3.5-5.9'
I, 6	4	---	Fill - sandy, gravel at top with brick, clay below; sand and gravel with bricks at base	upper half	7	AQ1816 1-2' AQ1817 2-3' AQ1818 3-4'
G, 3	4	2.0	Fill - cinders, sandy, gravelly, silty with bricks	(very) all	80	AQ1819 1-2' AQ1820 2-3' AQ1821 3-4'

3-3

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Table 3.2
ECONOMY PRODUCTS
OMAHA, NEBRASKA
WELL LOGS

Well	Water Level (on drilling)	Materials Encountered with Depth (feet)
#1 Background Well	5.5 feet (perched)	0 - 0.5 Gravelled road 0.5 - 16.0 Fill - mainly clay, but some organic-rich sand 0.5 - 2.0 Clay, Brown with pieces of limestone and concrete (Sample AQ1822) 2.0 - 3.5 As above, but bottom 3 inches is well cemented organic-rich sand] -(2-4'=Sample AQ1823) 3.5 - 4.5 Mixture of organic-rich sand and clean sand 9.5 - 10.5 Silty clay, brown 10.5 - 11.5 Clay, medium gray with light gray laminations 14.5 - 16.0 Clayey sand, black with pieces of glass (Sample AQ1824)
	approximately 12 feet (true)	16.0 - 29.5 Alluvium - silty clay with saturated zones 16.0 - 19.5 Medium gray silty clay 29.5 - 33.5 Alluvium - sand 33.5 - 35.5 Shale, red (Island Creek) 35.5 - Limestone, gray (Argentine)
#3	3 feet (perched)	0 - 0.3 Asphalt 0.3 - 0.5 Topsoil 0.5 - 15.0 Fill - mainly clay, but some organic-rich sand 0.5 - 1.2 Coarse sand to silt, black 1.2 - 2.0 Limestone (not sampled)] — Sample AQ1321 2.5 - 3.5 Coarse sand to silt, black 11.0 - 12.0 Clay, gray and brown 12.0 - 13.0 Clay, gray with brick and electrical tape 13.0 - 14.0 Clay, gray with brick and wood 14.0 - 15.0 As above; only 3 inches recovered in sample
	approximately 16.5 feet (true)	15.0 - 25.0 Alluvium - silty clay 15.0 - 17.5 Clay, gray with brown mottling, moist with bottom half being more wet (Sample AQ1320) 25.0 - 30.5 Alluvium - sand with gravel 30.5 - Limestone, gray (Argentine)
#2	2 feet (perched)	0 - 0.5 Gravelled lot 0.5 - 17.0 Fill - mainly clay, but some organic-rich sand and gravel 0.5 - 2.5 Sand, coarse, black with silty sand below. Interval contains wood, brick, and cinders (Sample AQ1828) 2.5 - 4.5 Gravel, sand, and clay mixture, black with brick, wood, shale, and coal (Sample AQ1829) 17.0 - 22.0 Alluvium - silty clay, greenish gray 22.0 - 32.0 Alluvium - sandy silt, greenish gray; sand increasing with depth 32.0 - Limestone, gray (Argentine)

Note: Well logs are composited from drillers logs and FIT observations during drilling. The most detailed and accurate information is obtained from sampled (and photographed) intervals.

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SECTION 4: METHODS

4.1 SOIL SAMPLES

Soil samples were collected with solvent rinsed stainless steel spoons, generally with the aid of a pick-axe or hand auger. Samples were placed into plastic bags or plastic lined trays for homogenization. Samples from the 4-foot deep borings and well borings were collected in shelby tubes and extracted from the tubes in the field. The samples were then treated as regular soil samples. Samples were placed into one 16 oz. and one 8 oz. jar per sample per split as the requested analyses were total metals (Tasks 1 and 2), extractable organics (acid and base/neutral fractions), pesticides (including PCB's), and volatile organic (VOA) priority pollutants. Standard EPA sampling protocol was followed.

4.2 OIL SAMPLE

The sample (AQ1833) collected from the oil spill area behind the Economy Products building was placed directly into the sample jars with a solvent rinsed stainless steel spoon. The analytical parameters requested are the same as described above.

4.3 MONITORING WELLS

Three offsite monitoring wells were installed about the Capitol Oil and Economy Products sites. Monitoring well #1

is located approximately 30 feet north of the southwest corner of OHARCO's west building and along their west fence line (see Figure 4.1 for well locations). The downgradient monitoring wells (wells #2 and 3) are located on Union Pacific property. Due to the close proximity of the Capitol Oil and Economy Products sites, the downgradient wells will receive groundwater flow from beneath both sites. Well #2 is far enough south that it should also receive flow from the adjacent City property's asphalt plant. This facility may also have released oil to the subsurface as evidenced by surface stains. More northerly placement of this well was not practical due to the likelihood of damage from vehicular traffic.

The monitoring wells are constructed of two inch (inside diameter) polyvinyl chloride (PVC) well casing. Each well contains 15 feet of screening with a 0.01 inch slot width. The well screens, and at least a one foot interval above and below them, are surrounded with a medium grade, clean sand chamber.

Table 4.1 lists the screened intervals, the sand packed intervals, and the depth of placement of the bentonite seal. Grout was placed above the bentonite seal as the 6 inch (diameter) protective steel cover was implaced. The protective covers are equipped with a hasp and padlock. Wells were developed, after installation, until the purged water appeared clear. Dedicated bailers have been provided for each well. These consist of a 5 feet by 1 1/4 inch (outside diameter) PVC bailer attached to 1/4 inch polypropylene rope.

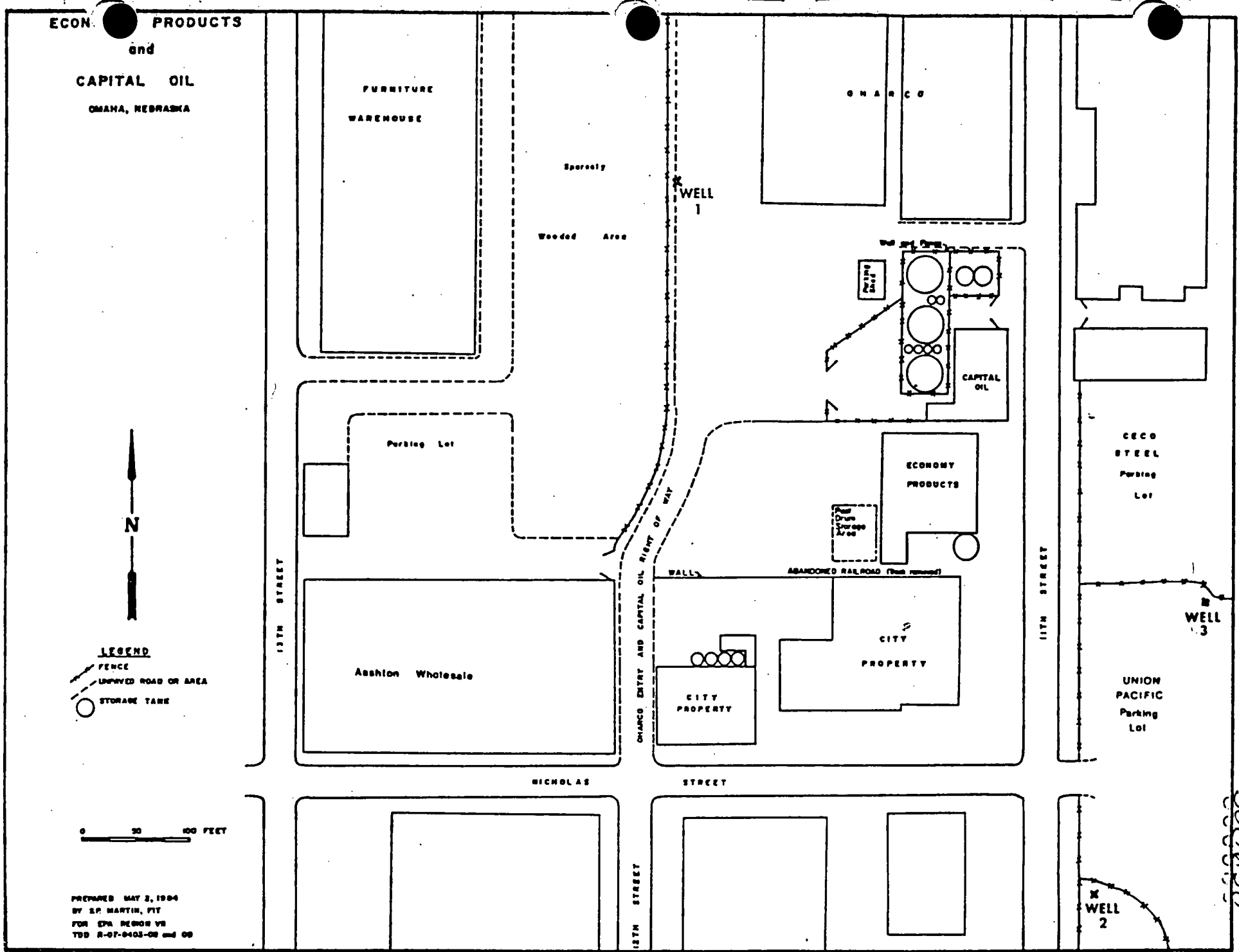


Figure 4.1 Location of offsite monitoring wells at the Economy Products and Capitol Oil sites.

TABLE 4.1
WELL CONSTRUCTION
ECONOMY PRODUCTS AND CAPITOL OIL
OMAHA, NEBRASKA

Well	Screened Interval (feet)	Sand-packed Interval (feet)	Bentonite Seal (feet)
#1	19.5-34.5	14.0-35.5	11.0-14.0
#2	7.0-22.0	6.0-32.0	4.0-6.0
#3	5.5-20.5	4.5-25.0	3.0-4.5

4.4 GROUNDWATER SAMPLES

Groundwater samples were collected approximately 16 hours after purging the wells of 3 well volumes. Well #1 ran dry after only eight gallons were obtained. Purging and sampling was conducted via dedicated PVC bailers. The pH, temperature, and conductivity of the groundwater was measured in the field (Table 4.2). The requested analytical parameters are total and dissolved metals (Tasks 1 and 2), extractable organics (acid and base/neutral), pesticides (including PCB's), and volatile organics (VOA) priority pollutants. Water samples for metals were preserved with nitric acid (after filtering for dissolved metals), and as with the other water samples, kept on ice until delivery to the EPA lab. VOA and extractable organics field blanks were also submitted.

The depth to water was measured in wells #2 and #3 prior to sampling (Table 4.2). The surface elevation at these wells has not yet been surveyed.

A receipt for samples was obtained for all split samples (Appendix 3). Field sheets and chain of custody

Table 4.2
 ECONOMY PRODUCTS AND CAPITOL OIL
 OMAHA, NEBRASKA
 GROUNDWATER SAMPLING JULY, 1984

Well #	Sample #	Temperature (°C)	pH	Field Conductivity (umhos)	Conductivity at 25° C (umhos)	Screened Interval (feet)	Depth to water* (inches)	Comments
1	AQ1838	19	7.4	910	910	34.5 - 19.5	---	-----
2	AQ1839	17	7.1	1225	1280	22 - 7	25.25	-----
3	AQ1322	24	6.7	1900	1780	20.5 - 5.5	29	Located in asphalt parking lot

*Land elevations not surveyed by FIT.

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forms (Appendix 3) were submitted to the EPA lab as samples were delivered on July 16, 1984. All contaminated trash was left onsite. Bagged trash was placed in the basement of the Economy Products building, whereas drummed drill cuttings were left in the backlot west of this building. Two FIT members participated in this sampling:

Sharon Martin, Team Leader, Site Safety Officer
Kenna Roberson, Sampling Assistant

SECTION 5: SAMPLE SUMMARY

Written access agreements were obtained from the City of Omaha (Public Works Department), John R. Webster Company, Radium Petroleum Company (owner of Capitol Oil Company), Union Pacific Railroad, and OHARCO distributors (Appendix 4). Verbal permission to sample was gained from Mr. George Money, owner of Economy Products, and from the Aashton Wholesale Services, Inc.

Twenty-two samples were collected under the Capitol Oil Company's activity number of AQ13 (see Table 5.1 and Figure 2.3). These include one water and 21 soil samples. Six soil samples, 0 to 4 inches deep, and consisting typically of pea gravel saturated in oil, and containing some water, were collected from within the tank farm. Eleven samples were collected from four 4-foot deep borings located around the perimeter of the facility. These samples were often oil and water saturated with water found at 2 to 2 1/2 feet depth in most holes. Two 0-2 inch deep samples were collected from the gravelled right-of-way west of this facility. During installation of monitoring well #3, three soil samples were collected as shown in Table 5.1. Figure 5.1 shows the grid system by which sample locations are referenced. Sample number AQ1319 was not used.

Forty samples were collected under Economy Products activity number of AQ18 (see Table 5.2). These include two

Table 5.1
 CAPITOL OIL COMPANY
 OMAHA, NEBRASKA
 SAMPLE SERIES AQ13
 JULY, 1984

Sample #	Date Collected	Location	Depth; # Aliquots: Appearance	Requested Analyses and concentration	Property Owner
AQ1300	July 10	O, 2.2 (tank farm)	0-4 inches; 4; oily gravel	M, VOA, Ext., Tet (M)	C
AQ1301	"	P, 3.5 (tank farm)	" " "	" " "	"
AQ1302	"	O-1/4, 3.5 (tank farm)	" " "	" " "	"
AQ1303	"	N+1/2, 3.5 " "	" " "	" " "	"
AQ1304	"	M+1/4, 3.5 " "	" " "	" " "	"
AQ1305	"	L+1/4, 3.5 " "	" " "	" " "	"
AQ1306	"	P, 6 (NW of tanks)	1-2.5 feet; 1; oily fill	M, VOA, Ext. (M)	W (C)
AQ1307	"	"	2.5-4 feet; " "	" " "	"
AQ1308	"	M, 5 (W of tanks)	1-2 feet; " "	" " "	"
AQ1309	"	"	2-3 feet; " "	" " "	"
AQ1310	"	"	3-4 feet; " "	" " "	"
AQ1311	"	O+1/2, 1.5 (NE of tanks)	1-2 feet; " "	" " "	C
AQ1312	"	"	2-3 feet; " "	" " "	"
AQ1313	"	"	3-4 feet; " "	" " "	"
AQ1314	"	K, 2.2 (S of facility)	1-2 feet; " "	" " "	E (C)**
AQ1315	"	"	2-3 feet; " "	" " "	"
AQ1316	"	"	5-6 feet; " "	" " "	"
AQ1317	July 11	M+1/2, 10.8 (W of facility)	0-2 inches; 5; gravel road	" (L)	W (C)
AQ1318	"	M, 8 (W of facility)	0-2 inches; 4; gravel road	" "	"
AQ1320	July 12	Well # 3 (N fence, UP lot)	15.5-17.5 feet; 1; fill	" "	U
AQ1321	"	"	0.5-1.1 & 2.5-3.5 feet; 1; fill	" "	"
AQ1322	July 14	"	water sample	" "	"

See the (combined) Legend for Tables 1 and 2.

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Table 5.2
ECONOMY PRODUCTS COMPANY
OMAHA, NEBRASKA
SAMPLE SERIES AQ18
JULY, 1984

Sample #	Date Collected	Location*	Depth; # Aliquots: Appearance	Requested Analyses and concentration	Property Owner
AQ1801	July 9	C, 12 (W of city plant)	0-2 inches; 6; sediment	M, VOA, Ext. (L)	City
AQ1802	"	A+1/4, 1/2 (E of city plant)	0-4 inches; 4; soil	" "	"
AQ1803	"	N sample, W of OHARCO	0-4 inches; 5; gravel road	" "	W (0)
AQ1804	"	S sample, W of OHARCO	" "	" "	"
AQ1805	"	W and S of OHARCO	" "	" "	"
AQ1806	July 11	G, 11 (W end, RR track)	0-1 feet; 1; soil	" "	U
AQ1807	"	"	1-2 feet; 1; oily soil	" (M)	"
AQ1808	"	"	2-3 feet; 1; very oily	" "	"
AQ1809	"	"	3-4 feet; 1; very oily	" "	"
AQ1810	"	K, 8 (WNW of facility)	1-2 feet; 1; fill	" "	W (E)
AQ1811	"	"	2-3 feet; 1; fill, clayey	" "	"
AQ1812	"	"	3-4 feet; 1; fill, clayey	" "	"
AQ1813	"	K, 5 (NW of facility)	1-2 feet; 1; fill, oily	" "	"
AQ1814	"	"	2-3 feet; 1; fill, oily	" "	"
AQ1815	"	"	3.5-5.9 feet; fill, oily	" "	"
AQ1816	"	I, 6 (W of facility)	1-2 feet; 1; fill	" "	"
AQ1817	"	"	2-3 feet; 1; fill, clayey	" "	"
AQ1818	"	"	3-4 feet; 1; fill, organic clay	" "	"
AQ1819	"	G, 3 (E end, RR track)	1-2 feet; 1; fill, oily	" "	U
AQ1820	"	"	2-3 feet; 1; fill, very oily	" "	"
AQ1821	"	"	3-4 feet; 1; fill, very oily	" "	"
AQ1822	"	Well #1 (W of OHARCO)	0.5-2 feet; 1; fill, clayey	" (L)	W (0)
AQ1823	"	"	2-4 feet; 1; fill, clayey	" "	"
AQ1824	"	"	14.5-16 feet; 1; organic, gravel	" "	"
AQ1825	"	F-1/4, 12.5 (E of Aashton)	0-2 inches; 8; sediment	" "	City
AQ1826	July 12	F-1/4, 12.6 (E of Aashton)	0-6 inches; 4; soil	" "	A
AQ1827	"	D-1/2, 12.6	" "	" "	"
AQ1828	July 13	Well #2 (S fence, UP lot)	0.5-2.5 feet; 1; fill, oily	" "	U
AQ1829	"	"	2.5-4.5 feet; 1; fill, oily	" "	"
AQ1831	July 12	H, 12 (W of facility)	0-2 inches; 5; gravel road	" "	W (E)
AQ1832	"	I, 9 (W of facility)	0-2 inches; 4; gravel road	" "	"
AQ1833	"	G+1/3, 5 (S of building)	0-1 inch; 6; oil spill	" (M)	"
AQ1834	July 13	G, 8.5 (W 1/2, RR track)	0-4 inches; 8; soil, oily	" "	U
AQ1835	"	G, 3.5 (E 1/2, RR track)	0-4 "; 8; soil, oily, gravelly	" "	"
AQ1836	July 12	I+1/2, 2 (E of building)	0-6 inches; 5; soil	" (L)	E
AQ1837	July 13	G+1/2, 3.5 (S of building)	0-2 inches; 6; sludge, soil	" (M)	"
AQ1838	July 14	Well #1	water sample	" (L)	U
AQ1839	"	Well #2	water sample	" "	U
AQ1840	"	Field Blank	---	VOA	---
AQ1841	"	Field Blank	---	Ext.	---

See the (combined) Legend for Tables 1 and 2.

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LEGEND
TABLES 5.1 and 5.2
CAPITOL OIL AND ECONOMY PRODUCTS
OMAHA, NEBRASKA
JULY, 1984

*See Figure 5.1 (or Figure 2.3) for sample locations.

Requested Analyses:

M = Metals; Tasks 1 & 2
VOA = Volatile Organics, Priority Pollutants
Ext. = Extractable Organics (A, B/N) and Pesticides (w/PCB's)
Tet. = Tetraethyl Lead

Concentration:

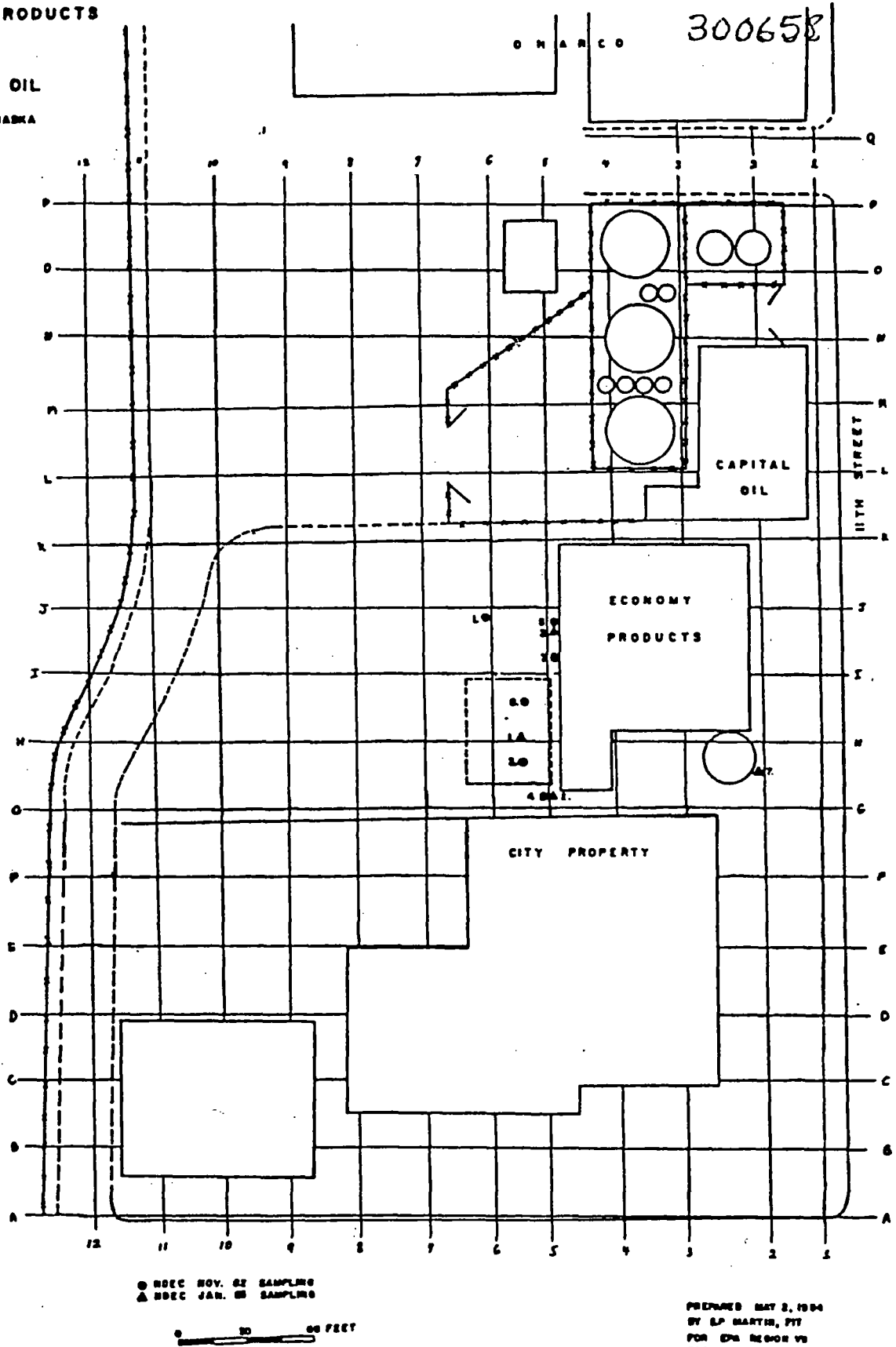
(M) = Medium
(L) = Low

Property Owner (see Appendix 4 for addresses):

C = Capitol Oil
W = John R. Webster Company (land is leased out)
E = Economy Products Company
U = Union Pacific Railroad
O = OHARCO
A = Aashton Wholesale Service, Inc.

**Samples near property line between Economy Products and Capitol Oil. Samples split with Capitol Oil facility.

**ECONOMY PRODUCTS
and
CAPITAL OIL
OMAHA, NEBRASKA**



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ONARCO

CAPITAL OIL

ECONOMY PRODUCTS

CITY PROPERTY

11TH STREET



○ NOEC NOV. 82 SAMPLING
△ NOEC JAN. 83 SAMPLING

0 50 100 FEET

PREPARED MAY 2, 1984
BY SP MARTIN, PVT
FOR EPA REGION VI
TSD R-07-0403-08 (REV. 88)

Figure 5.1 Layout of sampling grid system at the Economy Products and Capitol Oil sites.

water samples, 2 field blanks, and 36 soil samples. Five offsite soil samples (AQ1801 to AQ1805) were collected from areas southwest, southeast, and northwest of the facilities. Sixteen samples were collected from five 4-foot deep borings around the perimeter of the site (See Figures 5.2 and 5.3). Additional onsite soil sampling included two 0-2 inch deep samples collected from the gravelled right-of-way west of the facility (AQ1817 and 18); an oil spill area near the southwest corner of the Economy Products building (AQ1833); the sludge-type material that has been piled up south of the building (AQ1837); the front lawn of the site (AQ1836); and two 0-4 inch deep samples collected along the abandoned Union Pacific railroad track, located south of the Economy Products building (AQ1834 and 35). Three samples were also collected from an area west of the City's asphalt plant (and east of Aashton Wholesale) where several dead pigeons were observed (AQ1825, 26, and 27). During drilling of the boreholes for Wells #1 and #2, five soil samples were collected as shown in Table 5.2. Sample number AQ1830 was not used.

Capitol Oil Company's samples AQ1300 to 16 were split with Deffenbaugh Industries' representative, Mr. Thomas Frederick, who received the splits in the field. Samples from Well #3 (AQ1320 to 22) were split with a Union Pacific Railroad representative, Mr. K. D. Carter, who received the splits in the field. Samples AQ1806 to 09; AQ1819 to 21; AQ1824 and 25; and AQ1838 and 39 were also split with Union Pacific.

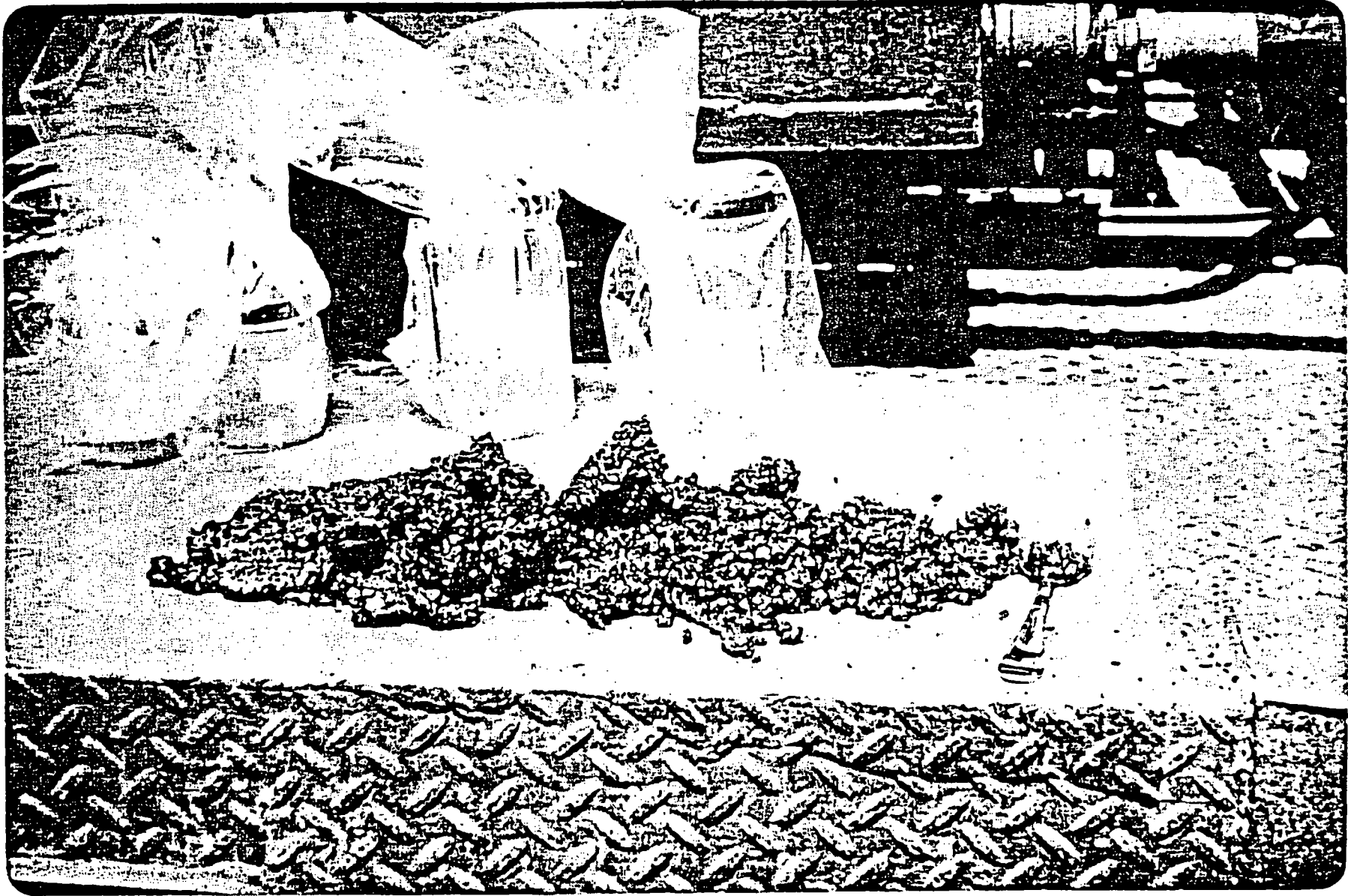
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Figure 5.2 Sample from a four feet deep borehole at Economy Products. Note the oil saturated cinders above the clayey alluvium.

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Figure 5.3 Oil saturated cinders of sample AQ1821 collected at a depth of 3-4 feet.

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Samples collected consisted of:

- 57 soil/sediment samples:
 - 87 - 16 oz. jars
 - 87 - 8 oz. jars
- 3 water samples:
 - 10 - 1/2 gallon jugs
 - 5 - VOA sets
 - 10 - cubitainers
- 1 VOA field blank
- 1 extractable organics field blank:
 - (2 - 1/2 gallon jugs)

SECTION 6: DATA RESULTS

6.1 FORMAT

The analytical sample data is displayed in several forms. The original computer data sheets are included as Appendix 5 and represent the raw data, where the detection limit is given for undetected parameters. Appendix 6 consists of the analytical data soil samples tabulated by parameter. Included are the results for pesticides analysis (Tables 6.1A and 6.1B), volatile organics analysis (Tables 6.2A and 6.2B), semivolatiles organics analysis (Tables 6.3A and 6.3B), and metals analysis (Tables 6.4A and 6.4B). Results for the acid and base/neutrals fractions (soils) was not performed due to the default of a contract lab. Summary tables, comparing results for Economy Products and Capitol Oil, are included in this section. These tables are given the "C" suffix, so that Table 6.1C compares pesticides results, Table 6.2C compares volatile organics results, etc. Appendix 7 contain the soils sample results formatted by location. Limited metal data (i.e. mercury, lead and chromium only) has been included in Appendix 7 for brevity. All positive organic results have been included, however--with the exception of methylene chloride concentrations below 10 parts per billion (ppb). Low level methylene chloride contamination has been known to occur during sample jar

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preparation. Part I of Appendix 7 then, lists the results for selected metals and all organics for soil samples collected under the Economy Products sample series (AQ1800-AQ1837). Included are two oily matrix samples (AQ1800 and AQ1833) which should not be strictly compared to soil samples. Analytical results show these oils are highly contaminated with pesticides. All pesticides and semivolatile organic values are approximate, only; due to time elapsed between sampling and chemical analysis.

6.2 SOILS RESULTS

6.2.1 Pesticides in Soil

Both the Economy Products and Capitol Oil sites are clearly contaminated with pesticides. The compounds detected are organochlorine pesticides, notable for environmental persistence, low solubility in water and generally low volatility. Other pesticides, however, were found within the Economy Products building. Toxaphene is largely confined to the Economy Products site (which includes the backlot behind the building) and areas downgradient of Economy Products. Toxaphene values were as high as 0.14% in soil and 1.1% in oil collected onsite. Clear sources for lindane (gamma-BHC) and heptachlor are also the Economy Products site. These two pesticides were found at considerably higher concentrations and more persistently at Economy Products.

Several pesticides, however, are more prevalent in soil samples at the Capitol Oil site, and some were found at higher concentrations than in soil samples collected at Economy

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Products (Table 6.1C). The sample set for Capitol Oil is only about one half that of Economy Products, so a direct comparison could be misleading. (Nevertheless, several pesticides, notably, dieldrin, appear to have sources at Capitol Oil and are mainly found within the tank farm samples and in the 4 feet deep boring just outside the tank farm at the northeast corner of the facility.) Sample AQL311 is the "hottest" Capitol Oil sample. Dieldrin was not found on the Economy Products site proper, except within the oily sample AQL833. Sample AQL823 is the only other AQL800 series in which dieldrin was detected. This sample was collected from the monitoring well located closest to Capitol Oil. As 0.22% dieldrin was detected in sample AQL833, surficial oil found behind the Economy Products building, and in oily samples collected at the Capitol Oil facility, both sites appear to be sources of dieldrin. This compound, however, is more widespread at Capitol Oil, as it was not found in oily soil samples collected at Economy Products.

Other pesticides which appear to have sources at Capitol Oil include aldrin, endosulfan (I and II), endrin, and probably DDT; as DDE, an alteration product of DDT, is prevalent here, but not at Economy Products. Again, endrin, endosulfan, and DDE are found at high concentrations in oily Sample AQL833. (Aldrin was not detected in this sample, but this is probably due to the high detection limit.) With the exception of Sample AQL837, a sludgy material found adjacent to the exterior tank of Economy Products, these compounds

are found typically at lower concentrations at Economy Products than at Capitol Oil. The following table shows the median, or middle value, for selected compounds at the two sites, respectively.

	<u>Economy Products</u>	<u>Capitol Oil</u>
Aldrin	107	240
Endosulfan II	33	550
Endrin	38	600
4,4-DDD	25	515

Again, these compounds are largely found within the tank farm and the 4 feet deep boring at the northeast corner of the Capitol Oil facility. DDE was not detected in any Economy Products samples, except for sample AQ1833 (0.19%).

Therefore, most of the pesticides appear to have (had) sources at both Economy Products and Capitol Oil. Lindane, heptachlor, and toxaphene are clearly tied to Economy Products. Dieldrin, aldrin, endrin, endosulfan II, and DDE appear to have two separate sources 1) within the surficial oil sludge found at Economy Products and 2) within the tank farm at Capitol Oil.

6.2.2 Volatiles in Soil

Similar to pesticides values, volatile concentrations are more prevalent and pronounced in the oily samples of the Capitol Oil tank farm area and the surficial oils of Economy Products. Table 6.2C summarizes these results. Methylene chloride is the most prevalent volatile organic, being found in approximately one half of the samples. Aromatic solvents (e.g. ethylbenzene, toluene, and o-xylene) and aliphatic solvents (e.g. chloroform and 2-butanone) are other volatile

organics found in significant concentrations at Economy Products and these are from sample AQ1833. The tank farm samples of Capitol Oil yielded generally more moderate quantities of organic solvents such as 1,1,1-trichloroethane and 1,1-dichloroethane, in addition to up to 13,000 ppb of methylene chloride. In comparison, 12,000 ppb methylene chloride was found in sample AQ1833. No organics were detected in the field blank (AQ1830).

6.2.3 Semivolatiles in Soil

Polycyclic aromatic hydrocarbons (PAH) are found scattered about these sites in medium concentrations (<82,000ppb --Table 6.3C). PAH's were not generally detected in the oily Sample AQ1833 or the sludge sample AQ1837. This could be for one of two reasons. Most likely the detection limit was too high in these samples (Appendix 5) to detect modest levels of contamination. Alternatively, this oil had not been burnt and thus did not contain PAH's. Pyrene, at 61,000 ppb, was however detected in the sludge of sample AQ1837. More modest to moderate levels if PAH's were detected in a nearby soil sample (AQ1835).

Numerous PAH's were also found offsite in soil samples from monitoring well #2, within a storage lot belonging to Union Pacific Railroad (AQ1828 and AQ1829). In some cases, the highest concentrations found were from this location. But generally the hottest samples in regards to PAH's are soil samples AQ1314, located between Economy Products and Capitol Oil; and AQ1835, located near the surficial oil of

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the backlot of the Economy Products site. The tank farm samples of Capitol Oil were relatively low in PAH's although, pyrene was detected in some of them.

Dibenzofuran was detected in concentrations up to 21,000 ppb. The highest concentration is from sample AQ1314, located between the Capitol Oil and Economy Products sites. The next highest value is 710 ppb dibenzofuran detected at Economy Products. (Again, the high detection limits of oily samples may have lead to many undetected levels where the compound was actually present.)

6.2.4 Metals in Soil

Table 6.4C summarizes the metals content of soil samples from both sites. Tables 6.4A and 6.4B (Appendix 6) list the individual values. Table 6.5 list background levels found in Missouri agricultural soils and can be used for comparison to the soil samples collected onsite. Many of these metal values are lower in onsite samples than in the "good" agricultural soils. This is because of the poor quality of fill material present onsite. Much of the fill is cinders, sand, and gravel; rather than the more typical clayey materials. The clays have the ability to attenuate metals to a much higher degree than do these other materials.

A quick comparison of Tables 6.4C and 6.5 indicates five metals with values that fall well outside the normal concentration range: copper, lead, selenium, mercury, and zinc. Only one sample exceeded the range for copper: Sample AQ1837 with 3700 ppm. This sample is an old sludge which also contained high levels of other metals (e.g. lead, zinc). The only sample with selenium content well outside the normal

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range is AQ1811, a 2-3 feet deep sample collected west of the facilities.

Several samples contained zinc outside the normal range, but samples AQ1837 (1400 ppm), AQ1819 (3000 ppm), and AQ1301 (1600 ppm) are the only ones well outside the normal range (18-640 ppm).

Most mercury and lead values fall outside the normal range as defined by Table 6.5. Figure 2.3 shows, in addition to sample locations, the lead content of the AQ1800 and AQ1300 series samples. These samples could not be analyzed for tetraethyl lead, as requested, but the inorganic lead content provides information on this parameter. Several "hot" spots are noticeable. The highest lead content (4600 ppm) was found in the sludge of sample AQ1837. Most of the tank farm samples of Capitol Oil contained considerable lead (350-2200 ppm) with lower values found outside this area. Two other significant hotspots occur in this industrial area of otherwise elevated lead content. The soil sample (AQ1836) from the front lawn of Economy Products contained 1600 ppm lead (which was unexpected as was the 67,000 ppb toxaphene found here). Lastly, elevated lead values (up to 1800 ppm) were found in soil and sediment samples from the 12th Street alley behind the city property especially along the western edge of the roadway. While onsite in May of 1985, a brown (slightly reddish brown) liquid was observed as being discharged from upper levels of the Aashton Wholesale Company building into this vicinity. If this practice

has been followed in the past, it may be the source of elevated lead values in this area. The liquid went into nearby sewer outlets soon after reaching the surface.

6.3 WATER RESULTS

Table 6.6 lists the compounds detected in the three off-site monitoring wells installed during this field investigation. Values for aluminum, iron, and manganese are relatively high; but probably not out of the ordinary for such an industrialized area, and these compounds are not generally considered toxic.

Low level organics were detected in these waters, although chloroform (3-31 ug/l) and di-n-butyl phthalate (1-3 ug/l) were the only compounds detected in all 3 wells. No pesticides were detected in this round of sampling. However, these wells were resampled in August, 1984 (in lieu of contract lab results) and again in September, 1984 with the following results:

<u>August, 1984</u>			
ug/l	Well #1	Well #2	Well #3
endrin	140	- - -	75
methoxychlor	506	- - -	156
toxaphene	3,010	- - -	8,940
atrazine	1,666	- - -	4,090

<u>September, 1984</u>			
ug/l	Well #1	Well #2	Well #3
4,4'-DDE	.19	- - -	- - -
toxaphene	8.5	- - -	- - -

The August samples were analyzed by a local, Omaha laboratory for quick turn-around; whereas, the September samples were analyzed by the Region VII EPA lab. The greatest con-

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confidence should be placed in these latest results due to quick turn-around and the irreputable character of the EPA lab.

Thus it seems that low level pesticides occur in Well #1, the closest well to the spill area of Economy Products. This well was originally assumed to be an upgradient well, but it most likely receives some backflush from the site during times of high water flow in the Missouri River. Additionally, groundwater flow will follow permeability zones within the fill materials (cinders, sand, gravel) avoiding clayey horizons and thus local flow directions may vary.

Besides spatial considerations, well #1 is screened at a somewhat lower depth than wells #2 and #3 (Table 4.1), but it seems unlikely that the difference in depth would account for the lack of pesticides detected in downgradient wells. Most likely the plume has not reached this far due to attenuation of pollutants onto clay particles. Data from the monitoring wells installed during clean-up operations may shed some light on migration pathways. Several of these latter wells are onsite.

Table 6.1C
 PESTICIDES VALUES--SUMMARY
 SOIL SAMPLES*
 JULY, 1984 SAMPLING†
 (AQ1800 and AQ1300 Series)

ppb	ECONOMY PRODUCTS		CAPITOL OIL	
	# of Positives	Range of Positives	# of Positives	Range of Positives
alpha-BHC	7	3.3 - 1600	2	470 - 600
beta-BHC	9	130 - 12,000	6	140 - 1900
delta-BHC	13	7.1 - 470	10	9.7 - 1100
gamma-BHC	10	76 - 6700	6	4.2 - 430
heptachlor	9	28 - 4600	2	740 - 1600
aldrin	12	5 - 2300	11	7 - 1400
heptachlor epoxide	2	9.7 - 14	3	250 - 850
endosulfan I	1	2900	3	2.8 - 1300
dieldrin	2	23 - 35	8	300 - 2700
4,4'-DDE	0	---	5	380 - 1600
endrin aldehyde	1	60	0	---
endrin	4	16 - 3200	7	4 - 2400
endosulfan II	6	9.3 - 2300	7	36 - 2000
4,4'-DDD	6	7.1 - 2100	8	32 - 1600
endosulfan sulfate	5	6 - 150	3	16 - 300
4,4'-DDT	7	5 - 8600	6	6.9 - 2000
toxaphene	21	240 - 1,400,000	1	7500
aro-chlor 1232 [@]	1	28,000	0	---
aro-chlor 1260 [@]	0	---	1	4100

* Results for samples AQ1800 and AQ1833 which are of an oily matrix, are not included in this table. These oils were heavily contaminated with some pesticides (See Appendix 7).

† All values are approximate.

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Table 6.2C
 VOLATILES ORGANIC VALUES--SUMMARY
 SOIL SAMPLES
 JULY, 1984 SAMPLING
 (AQ1800 and AQ1300 Series)

ppb	ECONOMY PRODUCTS		CAPITOL OIL	
	# of Positives	Range of Positives	# of Positives	Range of Positives
1,1,1-trichloroethane	3	5.3 - 14	4	76 - 1400
1,1-dichloroethane	2	7 - 9	4	76 - 240
1,1-dichloroethylene	0	---	1	160
trans-1,2-dichloroethene	0	---	1	420
chloroform	1	2200	1	25
ethylbenzene	1	28,000	0	---
methylene chloride	21	1.4 - 12,000	10	1.5 - 13,000
trichloroethene	1	5	1	2.7
tetrachlorethene	1	23	1	390
toluene	1	3000	0	---
HSL VOLATILES				
acetone	0	---	1	860
2-butanone	2	16,000 - 18,000	0	---
4-methyl-2-pentanone	0	---	1	10
o-xylene	2	65 - 434,000	1	200

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Table 6.3C
SEMIVOLATILES--SUMMARY
SOIL SAMPLES
JULY, 1984 SAMPLING
(AQ1800 and AQ1300 Series)

ppb	ECONOMY PRODUCTS		CAPITOL OIL	
	# of Positives	Range of Positives	# of Positives	Range of Positives
naphthalene	3	200 - 1700	1	4500
2-methylnaphthalene	4	100 - 5800	1	32,000
acenaphthylene	2	160 - 1100	0	---
acenaphthene	3	180 - 1200	2	1100 - 26,000
fluorene	3	200 - 1400	1	820
dibenzofuran	3	430 - 710	2	320 - 21,000
phenanthrene	10	89 - 41,000	4	340 - 82,000
anthracene	1	2000	0	---
di-n-butyl phthalate	3	160 - 14,000	0	---
fluoranthene	11	210 - 37,000	4	610 - 39,000
pyrene	15	72 - 61,000	7	520 - 37,000
benzo (a) pyrene	6	1500 - 13,000	0	---
benzo (a) anthracene	8	710 - 23,000	2	310 - 1500
bis(2 ethylhexyl)phthalate	12	350 - 33,000	2	550 - 1000
chrysene	9	160 - 2200	1	280
benzo (b) fluoranthene	4	530 - 11,000	0	---
di-n-octyl phthalate	2	86 - 2500	0	---
benzo (k) fluoranthene	2	170 - 760	0	---

NOTE: The above values are tentative or approximate. See Appendix 7.

300675

Table 6.4C
 METAL VALUES--SUMMARY
 SOIL SAMPLES
 JULY, 1984 SAMPLING
 (AQ1800 and AQ1300 Series)

ppb	ECONOMY PRODUCTS		CAPITOL OIL	
	# of Positives	Range of Positives	# of Positives	Range of Positives
aluminum	36	1100 - 8300	17	530 - 5500
antimony	10	1.1 - 4.2	8	1.6 - 3.6
arsenic	36	5 - 37	17	3.2 - 30
barium	36	24 - 300	17	19 - 200
beryllium	12	0.3 - 2.5	6	.32 - .44
cadmium	34	0.2 - 12	17	.05 - 8.9
chromium	36	3.6 - 68	17	4.6 - 24
cobalt	17	2.9 - 10	8	2.5 - 8.4
copper	32	7 - 3700	16	6.2 - 120
iron	36	4400 - 45,000	17	1700 - 26,000
lead	36	12 - 4600	17	14 - 2200
manganese	36	51 - 1600	17	20 - 370
mercury	26	0.1 - 0.6	14	.15 - .9
nickel	24	4.1 - 47	12	2.6 - 26
selenium	11	1.2 - 48	14	1 - 3.2
silver	4	.52 - 1.2	2	.58 - .87
vanadium	11	7.5 - 26	6	11 - 14
zinc	36	31 - 3000	17	49 - 1600

300676

Table 6.5
BACKGROUND METALS VALUES
MISSOURI SOILS

ppm*	Mean	Range
aluminum	4.1%	1.1 - 7.9%
antimony	- - -	- - -
arsenic	8.7	2.5 - 72
barium	580	100 - 1,500
beryllium	0.8	<1 - 2
cadmium	<1	<1 - 11
chromium	54	10 - 150
cobalt	10	<3 - 30
copper	13	5 - 150
iron	2.1%	.49 - 5.4%
lead	20	10 - 70
manganese	740	15 - 3000
mercury	0.039	<0.001 - 0.08
nickel	14	<5 - 70
selenium	.28	<1 - 2.7
silver	<0.5	<0.5 - 3
vanadium	69	15 - 150
zinc	49	18 - 640

* Except as indicated

NOTE: These background values are from 1,140 samples (0-15cm deep) collected as 10 samples sites from each of the counties of Missouri (as cultivated agricultural soils).

Source: Connor and Shacklette⁸.

300677

Table 6.6
 ECONOMY PRODUCTS AND CAPITOL OIL
 OMAHA, NEBRASKA
 WATER SAMPLE RESULTS
 JULY, 1984 SAMPLING BY FIT

ug/l	TOTAL METALS			DISSOLVED METALS		
	AQ1322 M.W.#3	AQ1838 M.W.#1	AQ1839 M.W.#2	AQ1322 M.W.#3	AQ1838 M.W.#1	AQ1839 M.W.#2
aluminum	12,000	10,000	20,000	---	---	---
arsenic	20	40	40	---	38	36
barium	600	300	400	480	250	290
cadmium	2	---	---	---	---	---
iron	26,000	15,000	29,000	3,700	290	210
manganese	2,500	790	2,000	1,900	320	1,200
mercury	0.3	---	---	---	---	---
zinc	80	80	140	10	---	---
VOLATILE ORGANICS						
	chloroform			3	31	25
	methylene chloride			---	51	---
	bromodichloromethane			---	---	4 [#]
BASE/NEUTRAL FRACTION						
	2,4 dinitrotoluene			---	1 [#]	---
	benzyl butyl phthalate			---	---	1 [#]
	di-n-butyl phthalate			3 [#]	1 [#]	2 [#]
	diethyl phthalate			---	---	4 [#]

[#] Value is above the detection limit, but below the quantitation limit.

M.W. = Monitoring Well

NOTE: Values not shown are below the detection limit. See Appendix 5. See Figure 2.3 for well locations.

SECTION 7: CONCLUSIONS

The full-field investigations of the Capitol Oil and Economy Products sites in Omaha, Nebraska were conducted concurrently in an attempt to decipher pollution pathways and sources and due to similar histories, although the facilities activities diverged more recently. Capitol Oil is now an oil reprocessor, whereas, Economy Products is a defunct pesticide formulator.

Thirty-four soil samples and two sediment samples were collected under the Economy Products sample series and 21 soil under Capitol Oil's sample series number. Three off-site monitoring wells were installed with associated soil and water sampling.

The results of this sampling indicate the largest concerns are pesticide and lead contamination at the sites. Both sites appear to be sources for lead and for some pesticides. Some pesticides clearly originated at Economy Products: toxaphene, lindane, and heptachlor. Several pesticides appear to have sources at both facilities being found at Economy Products, within a surficial oil spill area (sometimes exclusively) and at Capitol Oil within oily tank farm area samples.

Lead contamination is highest in several distinct areas: a) tank farm samples at Capitol Oil, b) sludge sam-

ple near the exterior tank of Economy Products, c) the front lawn of Economy Products, and d) adjacent to the Aashton Wholesale company. Most soil samples contained lead elevated above background levels, due probably to the industrial nature of the area. Lead values are plotted on Figure 2.3 (rolled map). Toxaphene values are plotted on an earlier edition of this map issued under TDD # R-07-8505-03A.

During this sampling effort, considerable amounts of oil was found to occur in the subsurface while collecting samples from 4-foot deep borings around the perimeters of the facilities. As both facilities have oil storage tanks and oil was found in the perimeter of both facilities, they probably share this discharge. The presence of PAH's should be an indicator for (spent) oil contamination. In some of the current samples, however; detection limits were apparently too high to reliably detect their presence. In some cases, the pesticides and lead contents are also good indicators for the presence of this oil. In some areas, however, these parameters are high due to contamination other than from the oily source (e.g. wind-blown or possible additional discharges, i.e. Aashton Wholesale).

A site-inspection form (2070-13) for Economy Products has been completed and is included as Appendix 8. Also included in this appendix is a SI form for Capitol Oil, previously completed during the PA for this site.

SECTION 8: REFERENCES

1. Nebraska Department of Environmental Control, Investigation Report for Inland Manufacturing, dated December 21, 1982 and January 4, 1983: in EPA file NED065122087.
2. Ecology & Environment, 1983, Preliminary assessment and on-site inspection of the Capitol Oil Company, Omaha, Nebraska: in FIT file R-07-8302-05.
3. Environmental Monitoring Systems Laboratory (EMSL), 1983, Aerial photographic analysis of hazardous waste study sites--Nebraska: EMSL TS-AMD-83004a.
4. Miller, R.D., 1964, Geology of the Omaha-Council Bluffs area, Nebraska-Iowa: U.S. Geological Survey Professional Paper 472, 70p., map.
5. Docekal, Jerry, 1959, Topography and geology of the Pennsylvanian surface in parts of Douglas, Sarpy, Cass, and Washington counties, Nebraska: unpublished M.S. thesis, University of Nebraska.
6. Nebraska Natural Resources Commission, May 1984, Well registration for Douglas County, Nebraska: in FIT file R-07-8403-09B.
7. Telephone conversation record, June 25, 1985, Carter Lake Water District, (712) 347-5454: in FIT file R-07-8403-09B.
8. Connor, J.J., and Shacklette, H.T., 1975, Background geochemistry of some rocks, soils, plants and vegetables in the conterminous United States: U.S. Geological Survey Professional Paper 574-F, 168 p.

300681

APPENDIX 1

WASTE CHARACTERISTICS -- CAPITOL OIL

- 1) RCRA NON-TSD STATUS
- 2) 103(c) NOTIFICATION
- 3) WASTE PRODUCTS DECLARATION

INDUSTRIAL FUEL OILS
OIL PUMPING SERVICE
ROAD OILING

1126 NORTH 11TH STREET
OMAHA, NEBR. 68102
402-346-7431

CAPITOL OIL, Inc.

NOVEMBER 14, 1982

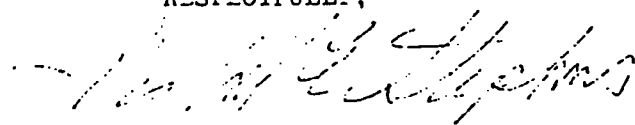
300682

KENNETH E. HASLER
STATE OF NEBRASKA
DEPT OF ENVIRONMENTAL CONTROL
BOX 94877 STATEHOUSE STATION
LINCOLN, NE. 68509

DEAR SIR:

WE ARE SUBMITTING THIS LETTER TO YOU IN ORDER FOR YOU TO
MAKE A STATUS CHANGE. WE ARE NOT A TSD IN THE NEBRASKA
HAZARDOUS WASTE PROGRAM BUT RATHER A NON-HANDLER OF
HAZARDOUS WASTE.

RESPECTFULLY,



RICHARD STEPHENS

MANAGER

CAPITOL OIL CO.

STATE of NEBRASKA

DEPARTMENT OF ENVIRONMENTAL CONTROL

November 8, 1982

300683



Richard Stephens
Capital Oil Co.
1126 N. 11th Street
Omaha, NE 68102

RE: Hazardous Waste I.D. No. NED020201075

Dear Sir:

On June 15, 1981 a representative of this Department visited with you regarding your notification that you are a TSD in the Nebraska Hazardous Waste Management Program.

From your statements and our findings, it appears that your original notification is inaccurate based on the volume and/or types of waste handled at your facility.

As provided in Rule 6, of the Rules and Regulations Governing Hazardous Waste Management in Nebraska, a generator is a small quantity generator in a calendar month if he generates less than 1 kilogram of acute hazardous wastes or 100 kilograms of residue or debris resulting from the spill of an acute hazardous waste or less than 1,000 kilograms of other hazardous wastes. Small quantities of hazardous waste are exempted from full regulation if a small quantity generator complies with Rule 6(7).

If a generator accumulates at any time more than the small quantities listed above, all accumulated wastes would become subject to full regulation as provided in Rule 6(6). In this situation, a generator should remain in the hazardous waste management system as a generator rather than request small quantity generator status. A generator may accumulate hazardous wastes for up to 90 days after the small quantities are exceeded without a RCRA permit or interim status if he complies with certain requirements as detailed in Rule 19(4). If accumulation exceeds 90 days, a generator must have either a RCRA permit or interim status.

In order for us to make a status change, you must submit a letter requesting such change within 45 days of receipt of this letter.

Sincerely,

Kenneth E. Hassler
Permits & Compliance Supervisor
Permits & Enforcement Section

KH/CO/tsk

STATE of NEBRASKA

DEPARTMENT OF ENVIRONMENTAL CONTROL



300684

December 7, 1982

no file card

EPA I.D. Number NED020201075

TO: Richard Stephens
Capital Oil Co.
1126 N. 11th Street
Omaha, NE 68102

RE: RCRA Change of Status Request

Based upon the information you have submitted to this Department, your status as a RCRA regulated facility has been amended as follows:

Your facility is now considered a non-handler of hazardous waste and has been deleted from the Hazardous Waste Management System. Your previously assigned EPA identification number is no longer valid.

Your facility is now considered a small quantity generator of hazardous waste and your EPA identification number will be retained as valid for that activity.

Your facility is now considered a generator of hazardous waste and your EPA identification number will be retained as valid for that activity.

Other (specify) _____

Should the process at your facility change in the future, you will need to re-evaluate the waste you are generating. You may find that this will require a change of status and you should contact this Department and request a new notification form.

If you have any questions, please contact:

Jay D. Ringenberg
(402) 471-2186

removed 3/21/83 Bdg

Notification of Hazardous Waste Site

Waste Quantity:

Place an X in the appropriate boxes to indicate the facility types found at the site.

In the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons.

In the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.

Facility Type

- 1. Piles
- 2. Land Treatment
- 3. Landfill
- 4. Tanks
- 5. Impoundment
- 6. Underground Injection
- 7. Drums, Above Ground
- 8. Drums, Below Ground
- 9. Other (Specify)

Total Facility Waste Amount

cubic feet _____
 gallons 474,000
 Total Facility Area
 square feet 101,661
 acres _____

Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

Known Suspected Likely None

Note: Items Hand I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

300686

no map

Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

Signature and Title:

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other".

Name P.D. DEFFENBERG
 Street P.O. Box 5220
 City SPRINGWELL State IL Zip Code 62623
 Signature [Handwritten Signature] Date 6-9-81

- Owner, Present
- Owner, Past
- Transporter
- Operator, Present
- Operator, Past
- Other

RADIUM PETROLEUM COMPANY

PROMPT WASTE OIL PICKUP

Help Refine America's Natural Resources

300687

March 14, 1983

Mr. William Kwoka
Ecology and Environment, Inc.
New Brotherhood Building
8th and State, Suite 374
Kansas City, Kansas 66101

Re: Capitol Oil Company
Omaha, Nebraska
NED020201075

Dear Mr. Kwoka:

This letter is pursuant to your requests of March 7, and March 10, 1983, concerning Capitol Oil Company, located at 1126 North 11th, Omaha, Nebraska 68102. If you need any additional information than what is contained herein, please contact me and I will attempt to locate and furnish the same to you as promptly as possible.

The current operation of Capitol Oil Company, a Missouri corporation, at 1126 North 11th Street, Omaha, Nebraska, commenced in the late 1977 to early part of 1978. We constructed the building and the storage facilities at this address commencing, to the best of our knowledge, in the last part of 1977 and early part of 1978. The facility is designed and operated solely to recycle waste oil products. No hazardous waste and/or hazardous solvents are accepted at this facility. According to our records, we store and process on the average of 484,000 gallons of waste oil per year. The EPA Form 3510-3 (6-80) notification by our company

RECEIVED

MAR 16 1983

E&E K.C.K.

Mr. William Kwoka
March 14, 1983
Page Two (2)

300688

reflecting 484,000 gallons of waste does not mean that we generate 484,000 gallons of hazardous waste. The prior general counsel for our company filed the forms as a precautionary matter, as is reflected in the description of Nature of Business XII in the form. Currently, our company disposes of waste oil emulsified with water at the Douglas County Landfill. This method of disposal is pursuant to a letter from the Department of Environmental Control, State of Nebraska, dated November 10, 1981 (a copy of which is attached for your review). Also enclosed is a copy of a November 10, 1982 letter from Mr. Kenneth E. Hassler, Permits and Compliance Supervisor, agreeing with our designation as a non-TSD facility under the provisions of the Nebraska Hazardous Waste Management Program. A substantial portion, according to our operational personnel in Omaha, of the tank bottoms are shipped to our facility in Kansas City for recycling. According to our personnel, we generate approximately 1500 gallons semi-monthly, of which approximately 500 gallons of 90% water and 10% oil are disposed of at the Douglas County Landfill.

To the best knowledge of the operational personnel at Capitol Oil Company, we have not received or processed any waste oil products contaminated with PCB and/or toxic substances. Also, we have not had any employee injuries relating to our chemical operation nor from the operations of the Inland Products Company. No one here or in Omaha recalls any strong odors arising from the ground during the construction of the building and the storage tank area.

There are no production wells or portable water wells located on the premises of Capitol Oil Company. According to our personnel, they do not recall receiving any public and/or OSHA complaints concerning our operation of the storage facility.

You asked about the general history of Capitol Oil Company which is a Missouri corporation. This corporation was formed in the state of Missouri on February 19, 1975, and subsequently qualified to conduct business in the state of Nebraska. By an agreement filed February 28, 1975, we agreed to acquire the assets of Capitol Oil, Inc., a Nebraska corporation, and then subsequently in 1978 acquired the stock of Capitol Oil, Inc..

Mr. William Kwoka
March 14, 1983
Page Three (3)

300689

The previous owners of Capitol Oil, Inc. were Peter and Sylvia Umatum, 2321 North 73rd Street, Omaha, Nebraska. They did not conduct the operation at our current location in Omaha.

I hope this answers all of your questions, but as indicated above, if you need any additional information, please advise.

Sincerely yours,



C. Wayne Case
General Counsel
913-631-3300

CWC:du

cc: Ron Deffenbaugh
Deffenbaugh Industries

cc: Tom Frederick
Deffenbaugh Industries

CHARLES THONE
GOVERNOR

DAN T. DRAIN
DIRECTOR

STATE of NEBRASKA

DEPARTMENT OF ENVIRONMENTAL CONTROL



300690

November 10, 1981

Mr. Richard Stephens
Capitol Oil, Inc.
1126 North 11th Street
Omaha, Nebraska 68102

Dear Mr. Stephens:

The Department of Environmental Control (DEC) has reviewed your October 28th letter requesting approval for disposal of waste oil emulsified with water at the Douglas County Landfill. Fifteen hundred (1500) gallons of this 90 percent water/10 percent oil mixture is generated twice a month.

DEC approves of the disposal, as requested, provided: (1) periodic testing is done to verify that the waste is non-hazardous and free of PCB contamination; and (2) the Douglas County Landfill is contacted prior to disposal (444-6181) so a time for delivery can be arranged when the waste will cause the least operational problems.

If you have any questions please contact Mike Steffensmeier at (402) 471-2186.

Sincerely,

Robert B. Wall, Chief
Water and Waste Management Division

MS/th

Copy to: Jerry Leahy
Douglas County Special Services

300691

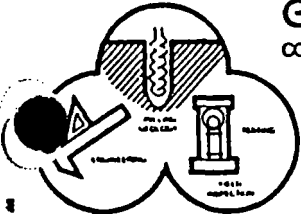
APPENDIX 2

SUBCONTRACTOR BORING LOGS

300692

GEOTECHNICAL SERVICES, INC.
CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

SALINA, KANSAS; AMES, IOWA;
OMAHA, LINCOLN & GRAND ISLAND, NEBRASKA

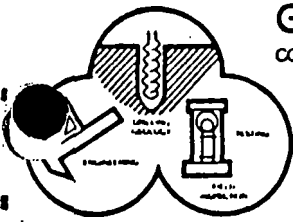


PROJECT
Installation of Monitoring Wells
LOCATION
Omaha, NE
LOCATION OF DRILL HOLE
P, 6 on grid

DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	DATUM	DRILLER	INSPECTOR
DH-1	3A012	7/10/84			J. McCabe	G. VanDer Slice
WATER LEVEL OBSERVATIONS				TYPE OF SURFACE		DRILL RIG
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	____ HOURS	Gravel Lot		GEO 88
3.5'	3.5'			4" continuous flight auger		TOTAL DEPTH 4.0'

DEPTH, ft.	SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA				DEPTH, ft.	
	SAMPLE NO. & TYPE	N VALVE BLOWS/ft	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, pcf	qc, psi		CLASSIFICATION SYMBOL
0	U-1			Brown-multicolored	Moist	Poorly consol.	Clayey sandy gravel	6" gravel					
1	U-2		Sat.		Fill, gravel, bricks								
2	U-3												
3				Abandoned first hole @ 3.0' (too many bricks)									

300693



GEOTECHNICAL SERVICES, INC.
CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

SALINA, KANSAS; AMES, IOWA;
OMAHA, LINCOLN & GRAND ISLAND, NEBRASKA

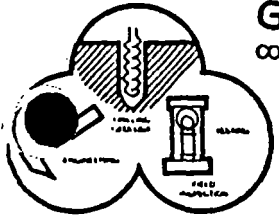
PROJECT
Installation of Monitoring Wells
LOCATION
Omaha, NE
LOCATION OF DRILL HOLE
M, 5 on grid

DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	DATUM	DRILLER	INSPECTOR
DH-2	3A012	7/10/84			J. McCabe	G. VanderSlice

WATER LEVEL OBSERVATIONS				TYPE OF SURFACE		DRILL RIG
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	____ HOURS	Gravel Lot		GEO 88
NONE ENCOUNTERED				4" continuous flight auger		TOTAL DEPTH 4.0'

DEPTH, ft.	SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA				DEPTH, ft.	
	SAMPLE NO. & TYPE	N VALVE BLOWS/ft	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, pcf	q _u , tsf		CLASSIFICATION SYMBOL
	U-1			Lt Brown	Moist	MStiff	Gravel	6" gravel					
	U-2			Black, mottled w/ gray			Sandy gravelly fill	Fill, oily smell					
	U-3												
5							End of drilling @ 4.0'				5		

300694



GEOTECHNICAL SERVICES, INC.
CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

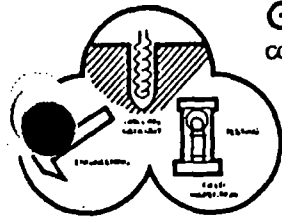
SALINA, KANSAS; AMES, IOWA;
OMAHA, LINCOLN & GRAND ISLAND, NEBRASKA

PROJECT
Installation of Monitoring Wells
LOCATION
Omaha, NE
LOCATION OF DRILL HOLE
0+½, 1.5 on grid

DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	DATUM	DRILLER	INSPECTOR
DH-3	3A012	7/10/84			J. McCabe	G. VanDer Slice

WATER LEVEL OBSERVATIONS				TYPE OF SURFACE		GRILL NO.
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	____ HOURS	Gravel Lot		GEO 88
2.5'	2.5'			DRILLING METHOD		TOTAL DEPTH
				4" continuous flight auger		4.0'

DEPTH, ft	SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA				DEPTH, ft	
	SAMPLE NO. & TYPE	N VALVE BLOWS/ft	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, pcf	q _u , bf		CLASSIFICATION SYMBOL
0-1	U-1			Brown	Moist	Poorly	Sandy	Junk, fill, gravel	glass				0
1-2	U-2			Black		consol	Gravelly	wood					1
2-3	U-3				Sat.		Clay (CL)						2
4.0								End of drilling @ 4.0'					4.0



GEOTECHNICAL SERVICES, INC.
CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

SALINA, KANSAS; AMES, IOWA;
OMAHA, LINCOLN & GRAND ISLAND, NEBRASKA

300696

PROJECT
Installation of Monitoring Wells
LOCATION
Omaha, NE
LOCATION OF DRILL HOLE
G, 11 on grid

DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	DATUM	DRILLER	INSPECTOR
DH-5	3A012	7/10/84			J. McCabe	G. VanDer Slice

WATER LEVEL OBSERVATIONS				TYPE OF SURFACE		DRILL RING
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	_____ HOURS	Drainage Trench		GEO 88
2.0'	2.0'			DRILLING METHOD		TOTAL DEPTH
					4" continuous flight auger	4.0'

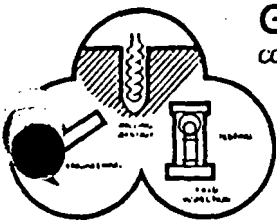
DEPTH, ft.	SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA				DEPTH, ft.		
	SAMPLE NO. & TYPE	N VALVE BLOWS/ft.	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, pcf	sp. wt.		CLASSIFICATION SYMBOL	
0	U-1			Black	Damp	MStiff	Clay	Fill, slightly gravelly w/ occasional pieces of small brick					0	
	U-2				Moist	w/stiff	w/ sand							
	U-3				Sat	stiff	+ gravel							
	U-4			Green-gray	Moist	Stiff	CL							
5													5	
10													10	
15													15	
20													20	
25													25	
30													30	
35													35	
													40	
													45	
													50	
													55	
													60	
													65	
													70	
													75	
													80	
													85	
													90	
													95	
													100	

End of drilling @ 4.0'

300697

GEOTECHNICAL SERVICES, INC.
CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

SALINA, KANSAS; AMES, IOWA;
OMAHA, LINCOLN & GRAND ISLAND, NEBRASKA



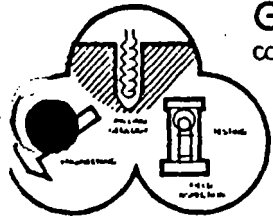
PROJECT
Installation of Monitoring Wells
LOCATION
Omaha, NE
LOCATION OF DRILL HOLE
K, 8 on grid

DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	DATUM	DRILLER	INSPECTOR
DH-6	3A012	7/11/84			J. McCabe	G. VanderSlice

WATER LEVEL OBSERVATIONS				TYPE OF SURFACE		DRILL RIG
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	____ HOURS	Gravel Lot		GEO 88
ROCKS ENCOUNTERED				DRILLING METHOD		TOTAL DEPTH
				6" continuous flight auger		4.0'

DEPTH, FT.	SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA				DEPTH, FT.	
	SAMPLE NO. & TYPE	N VALVE BLOWS/FT	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, PSI	QU, PSI		CLASSIFICATION SYMBOL
	U-1			Black	Damp	PConso	Silty CL w/ sand, gravel	Gravel + asphalt Fill, pieces of wood					
	U-2			Greenish mottled w/ black	Moist	Stiff	CL w/sand & gravel						
5				End of drilling @ 4.0"									5

300098



GEOTECHNICAL SERVICES, INC.
CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

SALINA, KANSAS; AMES, IOWA;
OMAHA, LINCOLN & GRAND ISLAND, NEBRASKA

PROJECT
Installation of Monitoring Wells
LOCATION
Omaha, NE
LOCATION OF DRILL HOLE
K, 5 on grid

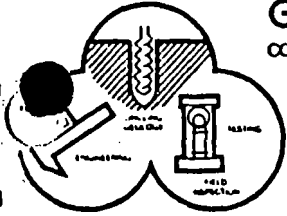
DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	BATUM	DRILLER	INSPECTOR
DH-7	3A012	7/11/84			J. McCabe	G. VanDerSlice

WATER LEVEL OBSERVATIONS				TYPE OF SURFACE		DRILL RIG
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	____ HOURS	Gravel lot		GEO 88
2.5'	2.5'			DRILLING METHOD		TOTAL DEPTH
				4" continuous flight auger		4.0'

DEPTH, ft.	SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA				DEPTH, ft.	
	SAMPLE NO. & TYPE	N VALVE BLOWS/ft.	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, pcf	sp. wt.		CLASSIFICATION SYMBOL
	U-1			Brown	Damp	Poorly	Sandy	4" gravel @ top Fill, gravel, chunks of coal & gravel					
	U-2			Black	Moist	Consol	Gravelly CL						
	U-3				Sat		GC						
5													5
10													10
15													15
20													20
25													25
30													30
35													35
40													40
45													45
50													50
55													55
60													60
65													65
70													70
75													75
80													80
85													85
90													90
95													95
100													100

End of drilling @ 4.0'

300699



GEOTECHNICAL SERVICES, INC.
CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

SALINA, KANSAS; AMES, IOWA;
OMAHA, LINCOLN & GRAND ISLAND, NEBRASKA

PROJECT
Installation of Monitoring Wells
LOCATION
Omaha, NE
LOCATION OF DRILL HOLE
I, 6 on grid

DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	DATUM	DRILLER	INSPECTOR
DH-8	3A012	7/11/84			J. McCabe	G. VanDerSlice

WATER LEVEL OBSERVATIONS				TYPE OF SURFACE		DRILL RIG
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	____ HOURS	Gravel lot		GEO 88
NONE ENCOUNTERED				DRILLING METHOD		TOTAL DEPTH
				6" continuous flight auger		4.0'

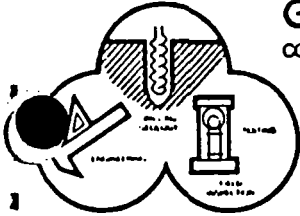
DEPTH, ft.	SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA				DEPTH, ft.	
	SAMPLE NO. & TYPE	N VALVE BLOWS/ft.	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, pcf	gr. wt.		CLASSIFICATION SYMBOL
	U-1			Brown w/ black lay	Damp	Stiff	Sandy gravelly	Trace of gravel on top; fill, bricks, gravel (sandy pocket @ 3.0')					
	U-2			redBrown	Moist	MStiff	CL w/ gravel+						
	U-3			GreenGrey		Stiff							

					End of drilling @ 4.0'								
--	--	--	--	--	------------------------	--	--	--	--	--	--	--	--

300700

GEOTECHNICAL SERVICES, INC.
CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

SALINA, KANSAS; AMES, IOWA;
OMAHA, LINCOLN & GRAND ISLAND, NEBRASKA



PROJECT
Installation of Monitoring Wells
LOCATION
Omaha, NE
LOCATION OF DRILL HOLE
G, 3 on grid

DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	DATUM	DRILLER	INSPECTOR
DH-9	3A012	7/11/84			J. McCabe	G. VanDerSlice
WATER LEVEL OBSERVATIONS				TYPE OF SURFACE		DRILL RIG
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	____ HOURS	Gravel driveway		GEO 88
2.0'	2.0'			4" continuous flight auger		TOTAL DEPTH 4.0'

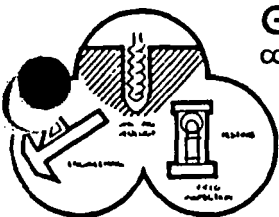
DEPTH, ft	SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA				DEPTH, ft	
	SAMPLE NO. & TYPE	N VALVE BLOWS/ft	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, pcf	sp. bf		CLASSIFICATION SYMBOL
	U-1			Brown	Damp	Poorly consol	SC	6" gravel @ top fill, gravel					
	U-2			Black	Moist	w/stiff zones							
	U-3				Sat	w/less clay		+ more gravel					
						End of drilling @ 4.0'							

300701

DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	BATUM	DRILLER	INSPECTOR
	3A012	7/11/84	--	--	McCabe	VanDerSlice

SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA						
DEPTH, ft.	SAMPLE NO. & TYPE	N VALVE BLOWS/ft.	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, pcf	sp. gr.	CLASSIFICATION SYMBOL	DEPTH, ft.
				Reddish Brown	Sat	Stiff	Shale	Permian shale Permian limestone bedrock					
								Screen at depths between 19.0 and 34.0 feet. Filter sand @ depths between 14.0 and 25.5'. Bentonite seal between depths 11.0 and 14.0'. Well material consists of 2" I.D. pvc pipe (15.0' screened and 21.5' solid).					

300702



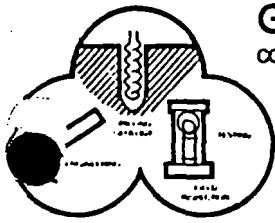
GEOTECHNICAL SERVICES, INC.
CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

SALINA, KANSAS; AMES, IOWA;
OMAHA, LINCOLN & GRAND ISLAND, NEBRASKA

PROJECT
Installation of Monitoring Wells
LOCATION
Omaha, NE
LOCATION OF DRILL HOLE
Backgrnd well; see E+E on location plan

DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	BATUM	DRILLER	INSPECTOR
DH-10	3A012	7/11/84			J. McCabe	G. VanderSlice
WATER LEVEL OBSERVATIONS				TYPE OF SURFACE		DRILL RIG
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	_____ HOURS	Gravel lot		GEO 88
				DRILLING METHOD		TOTAL DEPTH
5.4'				Hollow stems		35.5'

DEPTH, FT.	SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA				DEPTH, FT.	
	SAMPLE NO. & TYPE	N VALVE BLOWS/FT	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, Pcf	qu. wt		CLASSIFICATION SYMBOL
0	U-1			Brown	Moist	MStiff	CL	4" gravel @-top: good clay w/ occasional gravel & bricks	fil				0
5	U-2			Dk Brown mottled w/ brown	Damp	Stiff	SC w/ occasional gravel						5
10					Sat-Vmoist	Soft							10
15	U-3			Greenish Grey	Sat	MStiff	CL						15
20				Black	Sat	Uncon	Dirty sand						20
25				Greenish Grey		MStiff	Sandy CL	Note: sludge came out of the hole while drilling from 16-19.0', 22-24.0'					25
30								Drills firmer @ 25.0-26.0'					30
35				Reddish Brown		VStiff	Shale	Permian shale					35



GEOTECHNICAL SERVICES, INC.
CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

SALINA, KANSAS; AMES, IOWA;
OMAHA, LINCOLN & GRAND ISLAND, NEBRASKA

PROJECT
Installation of Monitoring Wells
LOCATION
Omaha, NE
LOCATION OF DRILL HOLE
Well #2; See E+E location plan.

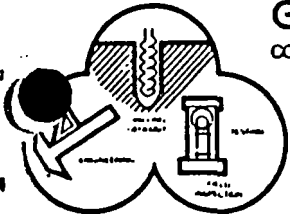
DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	DATUM	DRILLER	INSPECTOR
DH-12	3A012	7/13/84			J. McCabe	G. VanDerSlice
WATER LEVEL OBSERVATIONS				TYPE OF SURFACE		DRILL RIG
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	_____ HOURS	Gravel lot		GEO 88
2.0'	--			DRILLING METHOD		TOTAL DEPTH
				Hollow stem		32.0'

DEPTH, ft.	SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA				DEPTH, ft.	
	SAMPLE NO. & TYPE	N VALVE BLOWS/ft	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, pcf	q _u , bf		CLASSIFICATION SYMBOL
0	U-1			Brown	Damp Moist	MStiff	SC + GC	4" gravel @ top Fill, gravelly					0
1	U-2			Black	Sat	yet P	Sandy CL						1
2	U-3			Black	Moist	consol	SC + GG						2
3	U-4			Black	Moist	MStiff	CL						3
4				Grey	VMoist w/sat layers	PConso	SC + GC w/clay layers						4
5													5
10													10
15													15
20				Greenish grey	Sat	MStiff	CL	Recent Alluvium					20
25							Sandy CL	Sand increasing w/ depth					25
30													
35								Pemian limestone bedrock					35
36				Screen @ depths between 7.0 and 22.0'; filter sand @ depths between 6.0 and 32.0'; well material consists of 2" ID pipe (15.0' screened, 19.0' solid)									36

300704

GEOTECHNICAL SERVICES, INC.
CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

SALINA, KANSAS; AMES, IOWA;
OMAHA, LINCOLN & GRAND ISLAND, NEBRASKA



PROJECT
Installation of Monitoring Wells
LOCATION
Omaha, NE
LOCATION OF DRILL HOLE
Well #3, See E+E location plan

DRILL HOLE NO.	JOB NO.	DATE	ELEVATION	DATUM	DRILLER	INSPECTOR
DH-11	3A012	7/12/84			J. McCabe	G. VanDerSlice
WATER LEVEL OBSERVATIONS				TYPE OF SURFACE		DRILL RIG
WHILE DRILLING	END OF DRILLING	24 HOURS AFTER DRILLING	____ HOURS	Asphalt parking lot		GEO 88
3.0'	--			DRILLING METHOD		TOTAL DEPTH
				Hollow stems		30.5'

DEPTH, ft	SAMPLE DATA			SAMPLE DESCRIPTION				LABORATORY DATA				DEPTH, ft	
	SAMPLE NO. & TYPE	IN VALVE BLOWS/ft	RECOVERY, %	COLOR	MOISTURE	CONSISTENCY	BASIC SOIL TYPE	GEOLOGIC DESCRIPTION & OTHER REMARKS	WATER CONTENT, %	DRY DENSITY, pcf	sp. gr.		CLASSIFICATION SYMBOL
0	U-1			Dk Brown w/brn lay	Damp Moist	Stiff	Sandy CL w/	Asphalt @ top 6"					0
5	U-2			Brown Black	Moist Sat	sandy gravel Poorly consol	CL w/ Sandy CL w/gravel	Fill, gravel, bricks (electricians tape + roots @ 13.0')					5
10	U-3			Brown layered w/ green-grey	VMoist	MStiff	CL						10
15	U-4			Greenish Gray-Gray				Pieces of roots, small					15
20	U-5												20
25	U-6			Green-Grey w/ Rust	VMoist Sat	MStiff	CL	Recent Alluvium					25
30	U-7												30
35	U-8			Grey + Black + White		Uncon	SP						35
38				Screen at depths between 5.5 and 20.5'; filter sand @ depths between 4.5 and 25'; bentonite seal from 3.0 to 4.5'				Well material consists of 2" ID pvc pipe (15.0' screened 17.5' solid)				38	
				End of drilling @ 30.5'									

APPENDIX 3

DOCUMENTATION RECORDS

- 1) RECEIPT FOR SAMPLES
- 2) CHAIN-OF-CUSTODY FORMS
- 3) FIELD SHEETS

Receipt for Environmental Samples

From: Facility Name ~~Frommy Products~~ / Capitol Oil
 Address ~~1128 N. 11th Street~~
 City Omaha Nebraska
 Permit Number _____
 Responsible Official and Title _____

Laboratory Sample No.	Types of Containers				Description of Samples
	Cubitainer	Glass Jar	DO Bottle	Bio Bottle	
No. of Containers per Lab No.					
AQ1300	—	2-16oz.	1-8oz.		Soil Samples
01		"	"	"	"
02		"	"		"
03		"	"		"
04		"	"		"
05		"	"		"
06		1-16oz.	1-8oz.		"
AQ1315		"	"		"
AQ1316					Acknowledgement

The undersigned acknowledge receipts for the above described samples pursuant to:

- Section 3007(a) of the Resource Conservation and Recovery Act, 42USC6927CAL
- Section 308(a)(b) of the Clean Water Act
- Section 117(a)(2) of the Clean Air Act
- Other (Specify)

Duplicate samples were were not requested by the responsible facility representative.
 Duplicate samples were were not provided to the responsible facility representative.
 or his designated agent.

Signature and Title of Responsible Facility Official	
<u><i>Tom Vreeland</i></u> Signature	<u><i>Safety Director</i></u> Title
Date of Signing _____	
Name and Title of Person Collecting Samples <u>Sharon P. Martin</u> <u>Geologist, Ecology & Environment, Inc.</u> <u>(913) 432-9961</u>	
<u><i>Sharon P. Martin</i></u> Signature of Collector	

Receipt for Environmental Samples

From: Facility Name ~~Ecology Products~~ / Capitol Oil
 Address ~~1128 N. 11th Street~~
 City Omaha Nebraska
 Permit Number _____
 Responsible Official and Title _____


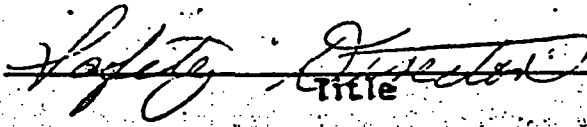

Laboratory Sample No.	Types of Containers				Description of Samples
	Cubitainer	Glass Jar	DO Bottle	Bio Bottle	
No. of Containers per Lab No.					
AQ137	—	1-16oz.	1 8oz.		Soil Sample
AQ1308		"	"		"
AQ1309		"	"		"
AQ1310		"	"		"
AQ1311		"	"		"
AQ1312		"	"		"
AQ1313		"	"		"
AQ1314		"	"		"

Acknowledgement

The undersigned acknowledge receipts for the above described samples pursuant to:

- Section 3007(a) of the Resource Conservation and Recovery Act, 42USC6927CAL
- Section 308(a)(b) of the Clean Water Act
- Section 117(a)(2) of the Clean Air Act
- Other (Specify)

Duplicate samples were were not requested by the responsible facility representative.
 Duplicate samples were were not provided to the responsible facility representative or his designated agent.

<u>Signature and Title of Responsible Facility Official</u>	
 Signature	 TITLE
Date of Signing _____	
<u>Name and Title of Person Collecting Samples</u> Sharon P. Martin Geologist, Ecology & Environment, Inc. (913) 432-9961	
 Signature of Collector	

Receipt for Environmental Samples

From: Facility Name Economy Products/Capitol Oil
 Address 1126 and 1128 N. 11th Street
 City Omaha Nebraska
 Permit Number _____
 Responsible Official and Title _____

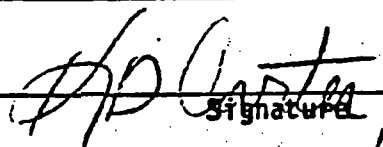
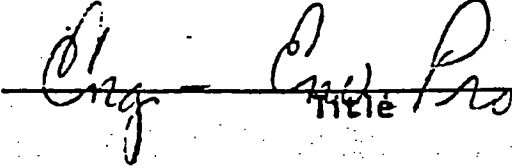
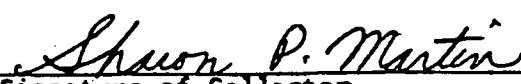
Laboratory Sample No.	Types of Containers				Description of Samples
	Cubitainer	Glass Jar	DO Bottle	Bio Bottle	
No. of Containers per Lab No.					
AQ13 ²⁰⁶	-	1-16oz.	1 8oz.		G, 11 Soil Sample (0-1
AQ1807		"	"		" " " 1-2
AQ1808		"	"		" " " 2-3
AQ1899		"	"		G, 3 " 3-4
AQ1820		"	"		" " " 2-3
AQ1821		"	"		" " " 3-4
AQ18289		"	"		Well #2 " 2-2
AQ1834		"	"		G, 8-5 " 0-4
AQ1835		"	"		G, 3-5 " 0-4
AQ1321		"	"		Well #2 " 0.5-1.1
AQ1320		"	"		" " 1.5-1.7

Acknowledgement

The undersigned acknowledge receipts for the above described samples pursuant to:

- Section 3007(a) of the Resource Conservation and Recovery Act, 42USC6927CAL
- Section 308(a)(b) of the Clean Water Act
- Section 117(a)(2) of the Clean Air Act
- Other (Specify)

Duplicate samples were were not requested by the responsible facility representative.
 Duplicate samples were were not provided to the responsible facility representative.
 or his designated agent.

<u>Signature and Title of Responsible Facility Official</u>	
 Signature	 Title Pro
Date of Signing <u>7/14/84</u>	
<u>Name and Title of Person Collecting Samples</u> Sharon P. Martin Geologist, Ecology & Environment, Inc. (913) 432-9961	
 Signature of Collector	

Receipt for Environmental Samples

From: Facility Name Economy Products (Capitol Oil)
 Address 1126 and 1128 N 11th Street
 City Omaha, Nebraska
 Permit Number _____
 Responsible Official and Title _____

Laboratory Sample No.	Types of Containers				Description of Samples
	Cubitainer	Glass Jar	DO Bottle	Bio Bottle	
No. of Containers per Lab No.					
AQ1322	2 cubit.	2-1/2 gal	1-VOA set		Well #3 Water Sample
AQ1839	2 cubit	2-1/2 gal	1-VOA set		Well #2 Water Sample

Acknowledgement

The undersigned acknowledge receipts for the above described samples pursuant to:

- Section 3007(a) of the Resource Conservation and Recovery Act, 42USC6927CAL
- Section 308(a)(b) of the Clean Water Act
- Section 117(a)(2) of the Clean Air Act
- Other (Specify)

Duplicate samples ~~were~~ were not requested by the responsible facility representative.
 Duplicate samples ~~were~~ were not provided to the responsible facility representative.
 or his designated agent.

<u>Signature and Title of Responsible Facility Official</u>	
<u>A. D. Carter</u> Signature	<u>Engr - Env. Proceed.</u> Title
Date of Signing <u>7/14/84</u>	
<u>Name and Title of Person Collecting Samples</u>	
<u>Sharon P. Martin</u> Signature of Collector	<u>Sharon P. Martin</u> Geologist, Ecology & Environment, Inc. (913) 432-9961

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY - REGION VII

300710

WORK LEADER (PRINT)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION	SHEET
		DAY MONTH YEAR	1 of 2
DESCRIPTION OF SHIPMENT		VOUCHER OR RECEIPT NO.	
___ PIECE(S) CONSISTING OF ___ BOX(S)			
___ ICE CHEST(S); OTHER _____			

CONTENTS OF SHIPMENT

LABORATORY SAMPLE NO.	TYPES OF CONTAINERS				LABORATORY SAMPLE NO.	TYPES OF CONTAINERS			
	CUBITAINER	GLASS JAR	DO BOTTLE	BIO. BOTTLE		CUBITAINER	GLASS JAR	DO BOTTLE	BIO. BOTTLE
NO. OF CONTAINERS PER LAB NO.									
AQ1801		1-16oz	1-3oz		AQ1815		1-16oz	1-3oz	
AQ1802		1	1		AQ1816		1	1	
AQ1803		1	1		AQ1817		1	1	
AQ1804		1	1		AQ1818		1	1	
AQ1805		1	1		AQ1819		1	1	
AQ1806		1	1		AQ1820		1	1	
AQ1807		1	1		AQ1821		1	1	
AQ1808		1	1		AQ1822		1	1	
AQ1809		1	1		AQ1823		1	1	
AQ1810		1	1		AQ1824		1	1	
AQ1811		1	1		AQ1825		1	1	
AQ1812		1	1		AQ1826		1	1	
AQ1813		1	1		AQ1827		1	1	
AQ1814		1	1		AQ1828		1	1	

PERSONNEL CUSTODY RECORD

RELINQUISHED BY (SAMPLER)	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<i>Simon F. Martin</i>	<i>Richard Burt</i>	7/14/34		Transfer to lab for analysis
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			
RELINQUISHED BY	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			
RELINQUISHED BY	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			
RELINQUISHED BY	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			
RELINQUISHED BY	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			
RELINQUISHED BY	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			

**CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY - REGION VII**

300711

WORK LEADER (PRINT)	NAME OF SURVEY OR ACTIVITY	DATE OF COLLECTION	SHEET
		DAY MONTH YEAR	2 of 2
DESCRIPTION OF SHIPMENT		VOUCHER OR RECEIPT NO.	
___ PIECE(S) CONSISTING OF ___ BOX(S)			
___ ICE CHEST(S); OTHER			

LABORATORY SAMPLE NO.	TYPES OF CONTAINERS				LABORATORY SAMPLE NO.	TYPES OF CONTAINERS			
	CUBITAINER	GLASS JAR	DO BOTTLE	BIO. BOTTLE		CUBITAINER	GLASS JAR	DO BOTTLE	BIO. BOTTLE
NO. OF CONTAINERS PER LAB NO.									
AQ1839		1-1007	1-307						
AQ1831		1	1						
AQ1832		1	1						
AQ1830		1	1						
AQ1837		1	1						
AQ1835		1	1						
AQ1836		1	1						
AQ1837		1	1						
AQ1838	2-cubit	2-200	1-VOA						
AQ1839	"	"	"						
AQ1840	—	—	1-VOA						
AQ1841	—	2-200	1-VOA						

PERSONNEL CUSTODY RECORD						
RELINQUISHED BY (SAMPLER)	RECEIVED BY		DATE	TIME	REASON FOR CHANGE OF CUSTODY	
<i>Shawn P. Martin</i>	<input checked="" type="checkbox"/> SEALED	<input type="checkbox"/> UNSEALED	<i>Richard C. Drabs</i>	<i>7/16/84</i>		<i>Transfer to lab for analysis</i>
	<input type="checkbox"/> SEALED	<input type="checkbox"/> UNSEALED				
	<input type="checkbox"/> SEALED	<input type="checkbox"/> UNSEALED				
	<input type="checkbox"/> SEALED	<input type="checkbox"/> UNSEALED				
	<input type="checkbox"/> SEALED	<input type="checkbox"/> UNSEALED				
	<input type="checkbox"/> SEALED	<input type="checkbox"/> UNSEALED				
	<input type="checkbox"/> SEALED	<input type="checkbox"/> UNSEALED				
	<input type="checkbox"/> SEALED	<input type="checkbox"/> UNSEALED				
	<input type="checkbox"/> SEALED	<input type="checkbox"/> UNSEALED				

CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY - REGION VII

300712

WORK LEADER (PRINT)	NAME OF SURVEY OR ACTIVITY Pest Control	DATE OF COLLECTION	SHEET 1 of 1
DESCRIPTION OF SHIPMENT ____ PIECE(S) CONSISTING OF ____ BOX(S) ICE CHEST(S); OTHER _____		VOUCHER OR RECEIPT NO.	

CONTENTS OF SHIPMENT									
LABORATORY SAMPLE NO.	TYPES OF CONTAINERS				LABORATORY SAMPLE NO.	TYPES OF CONTAINERS			
	CUBITAINER	GLASS JAR	DO BOTTLE	BIO. BOTTLE		CUBITAINER	GLASS JAR	DO BOTTLE	BIO. BOTTLE
NO. OF CONTAINERS PER LAB NO.									
AQ1300		1-16oz	1-8oz		AQ1314		1-16oz	1-8oz	
AQ1301		1	1		AQ1315		1	1	
AQ1302		1	1		AQ1316		1	1	
AQ1303		1	1		AQ1317		1	1	
AQ1304		1	1		AQ1318		1	1	
AQ1305		1	1		AQ1320		1	1	
AQ1306		1-16oz	1-8oz		AQ1321		1	1	
AQ1307		1	1		AQ1322	2 sub.	2 1/2 gal.	1 VOA	
AQ1308		1	1						
AQ1309		1	1						
AQ1310		1	1						
AQ1311		1	1						
AQ1312		1	1						
AQ1313		1	1						

PERSONNEL CUSTODY RECORD					
RELINQUISHED BY (SAMPLER)	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY	
Sharon P. Martin <input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	Barry Bink <input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	7/14/84		Transfer to Lab for analysis	
RELINQUISHED BY	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY	
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED				
RELINQUISHED BY	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY	
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED				
RELINQUISHED BY	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY	
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED				
RELINQUISHED BY	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY	
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED				
RELINQUISHED BY	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY	
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED				

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION
 SURVEY NO. _____ SURVEY LEADER Martin STATION NO. 300713
 DESCRIPTION ~~Economy Products~~ capital oil
Omaha, Nebraska

GRAB SAMPLE DATA							
ID#	TEMP °C		PH	DO	HEAVY OIL	OIL & GREASE	OTHER
<input type="checkbox"/> 0000 (GPM)	AIR	WATER					
<input type="checkbox"/> 0001 (ETS)	0000	0000					
COLLECTION DATE	YE <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1230</u>	SAMPLED NAME CODE	LAB NO <u>AQ1300</u>	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA
 BEGIN DATE: YE _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE: YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SECST _____ MCF _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____
 SAMPLED NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO <u>AQ1300</u>
SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (RC VOA Priority - pellets)</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>
<u>1-16oz jar</u>	<u>purple</u>	<u>None</u>		<u>X</u>	<u>tetraethyl lead</u>

CONTACT J.P. Martin, E&E SAMPLE YES NO Capital Oil
 REMARKS Medium concentration environmental soil
4 aliquots 0-4"

16oz lot # 53249071
~~8oz lot #~~
location: inside tank form 0, 2.2

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin SITE NO. 800714
 DESCRIPTION ~~Emergency Products~~ capital oil
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	TOTAL COIL	OIL & GREASE	DIBP	DIBP
<input type="checkbox"/> 00001 (OPM)	AM	WATER					
<input type="checkbox"/> 00001 (ESI)	00070	00010					
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO	
	84	July	10	1245		AQ1301	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MCF _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLED NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (P&E) VOA Priority pollutants
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)
1-16oz jar	purple	None		X	tetra ethyl lead

CONTACT J.P. Martin, E&E SAMPLE VIT Capital Oil
 REMARKS Medium concentration environmental soil
4 aliquots 0-4"

16oz lot # 53249071
~~8oz lot #~~

location: inside tank form P, 3.5

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin ID# 300715

DESCRIPTION ~~Emergency Response~~ capital oil
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	TOTAL OIL	OIL & GREASE	OTHER	OTHER
<input type="checkbox"/> 0000 (GPM)	AIR	WATER					
<input type="checkbox"/> 0001 (CFR)	0000	0000					
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1300</u>	SAMPLER NAME CODE	LAB NO <u>AQ1302</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGP _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSES
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & W) Pesticides (VOA Priority) pellets
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)
1-16oz jar	purple	None		X	tetra ethyl lead

CONTACT J.P. Martin, E&E SAMPLE SPLIT YES NO Capital Oil

REMARKS Medium concentration environmental soil
4 aliquots 0-4"

16 oz. lot # 53249071
~~8oz. lot #~~

location: inside tank form 0-114, 3.5

STATION IDENTIFICATION
 SURVEY NO. _____ SURVEY LEADER Martin SITE NO. 300716
 DESCRIPTION ~~Ecology Products~~ Capital Oil
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	TOTAL OIL	OH & GREASE	DIBP	OTHER
<input type="checkbox"/> 0000 (GPM)	AIR 0000	WATER 0000					
<input type="checkbox"/> 0001 (GPM)							
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1900</u>	SAMPLE NAME CODE	LAB NO <u>AQ1303</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SEC: _____ MGT _____ SOCS: _____ 1000.0 GAI DURING COMPOSITE PERIOD SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides VOA Priority pest.
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)
1-16oz jar	Purple	None		X	tetraethyl le

LAB NO AQ1303

CONTACT J.P. Martin, E&E SAMPLE YES NO Capital Oil
 REMARKS Medium concentration environmental soil
4 aliquots 0.4"

16 oz lot # 53249071
~~8 oz lot #~~
 location: inside tank form N+1/2, 3, 5

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STAGE NO 300717

DESCRIPTION ~~Enron, Redox~~ capital oil
Omaha, Nebraska

GRAB SAMPLE DATA

FIELD	TEMP °C	PH	DO	HEAVY METALS	DRUGS & CHEM	OTHER	OTHER
<input type="checkbox"/> 0000 (DPH)	AIR	WATER					
<input type="checkbox"/> 0001 (SIS)	0000	0000					
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
						<u>AQ1309</u>	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGT _____ SECS _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
<u>1-16oz jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (RE VOA Priority pollutant</u>
<u>1-8oz jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>
<u>1-16oz jar</u>	<u>Purple</u>	<u>None</u>		<u>X</u>	<u>tetraethyl lead</u>

LAB NO AQ1309

CONTACT J.P. Martin, E&E SAMPLE YES: Capital Oil
SPLIT NO

REMARKS Medium concentration environmental soil

4 aliquots O-A"

16oz lot # 53.249071

~~8oz lot #~~

location = inside tank form M+14, 3.5

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STORE NO _____
 DESCRIPTION ~~Extraction of~~ capital oil 1300718
Omaha, Nebraska

GRAB SAMPLE DATA

ID#	TEMP °C	PH	DO	FECAL COLI	OIL & GREASE	OTHER	OTHER
<input type="checkbox"/> 00000 (CPM)	AM 00070	WATER 00010					
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1930</u>	SAMPLED NAME CODE	LAB NO <u>AQ1305</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MGF _____ 1000 L GAI DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOSH	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (R) UOA Priority petroleum
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)
1-16oz	purple	None		X	tetraethyl lead

CONTACT J.P. Martin, E&E SAMPLE YES capital oil
 REMARKS Medium concentration environmental soil
0-4", 4 aliquots

16oz lot # 53249071
~~8oz lot #~~

location: inside tank form L+114, 3.5

ENVIRONMENTAL PROTECTION AGENCY - REGION VII -
SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65125

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin 300719
 DESCRIPTION ~~Emergency Analysis~~ capital oil
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C	PH	DO	TOTAL CO2	DRY RESIDUE	OTHER	OTHER
<input type="checkbox"/> 00009 (GPM)	AIR 00020	WATER 00010					
<input type="checkbox"/> 00001 (CFR)							
COLLECTION DATE	YE <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1600</u>	SAMPLER NAME CODE	LAB NO <u>AQ1306</u>	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA
 BEGIN DATE: YE _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE: YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MGT _____ 1000's OF GAL DURING COMPOSITE PERIOD _____
 SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO <u>AQ1306</u>
SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	MOBIL	FIG 10	ANALYSES
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (RCI VDA Priority pellets)</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLE YES NO Capital Oil
 REMARKS Medium concentration environmental soil
16 oz. lot # P3270011 ~~off being~~ off being
location P, C 1-2 1/2" interval

ENVIRONMENTAL PROTECTION AGENCY - REGION VII -
SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADIS Martin

DESCRIPTION ~~_____ and _____~~ Capital Oil SIGN NO
300720

Omaha, Nebraska

GRAB SAMPLE DATA							
ID#	TEMP °C		PH	DO	TOTAL COD	ON & GRAB	OTHER
<input type="checkbox"/> 0000 (OPM)	AIR	WATER					
<input type="checkbox"/> 0000 (ETS)	0000	0000					
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
			<u>84 July 10</u>	<u>1600</u>		<u>AQ1307</u>	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGT _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		ANALYSES
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (VOA Priority pollutants)</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT S.P. Martin, E&E SAMPLE SPLIT YES NO

REMARKS Medium concentration environmental soil Capital Oil

16 oz. lot # 5 327001

8 oz. lot # ~~5~~ P, 6

2 1/2 ft to 4 ft

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin SID 000721
 DESCRIPTION ~~Economy Products and~~ Capital Oil
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	FECAL COLI	OIL & GREASE	OTHER	OTHER
<input type="checkbox"/> 00030 (DPM)	AW 00030	WATER 00010					
<input type="checkbox"/> 00001 (ETS)							
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1600</u>	SAMPLER NAME CODE	LAB NO <u>AQ1308</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MCF _____ 1000 L OF GAS DURING COMPOSITE PERIOD _____
 SEC32 _____ SEC32 _____ SAMPLER NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			METHOD	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (PCL) UOA Priority pellets
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES
SPLIT NO Capital Oil
 REMARKS Medium concentration environmental soil

DATA ~~at 1 ft after 1 ft of open~~
1-2' internal
 16 oz. lot #53270011
 8 oz. lot #
W. M., 5
8/25

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin 308722
 DESCRIPTION ~~Ecology Products~~ capital oil
Omaha, Nebraska

GRAB SAMPLE DATA								
SID#	TEMP °C		PH	DO	HEAVY METALS	OIL & GREASE	DIBP	DIBP
	AIR	WATER						
<input type="checkbox"/> 00000 (GPM)	00000	00000						
<input type="checkbox"/> 00001 (CTS)								
COLLECTION DATE	YE <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1600</u>	SAMPLER NAME CODE		LAB NO <u>AQ1309</u>	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE		LAB NO _____	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE		LAB NO _____	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE		LAB NO _____	

COMPOSITE SAMPLE DATA
 BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MGD _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY				LABORATORY		LAB NO <u>AQ1309</u>
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE		ANALYSIS	
			MOBILE	REGION		
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (R VOA Priority pollutants</u>	
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>	

CONTACT J.P. Martin, E&E SAMPLE YES
SPILL NO Capital Oil
 REMARKS Medium concentration environmental soil
~~16oz. lot #53276011~~
16oz. lot #53276011
8oz. lot #
location: M, 5
2-3' interval

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin 300723
 DESCRIPTION ~~Leaking Products~~ Capital Oil
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	SOLIDS	OIL & GREASE	DIBP	DIBP
<input type="checkbox"/> 00050 (OPM)	AIR						
<input type="checkbox"/> 00061 (CF3)	00070	00010					
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1630</u>	SAMPLER NAME CODE	LAB NO <u>AQ130</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MCF _____ 1000. OF GALS DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (RE VO A Priority pellets)
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES NO Capital Oil
 REMARKS Medium concentration - environmental soil
~~2-4' interval of 4 ft~~
16 oz. lot # 5320011 3-4' interval
loc. 11, 5

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin STATION NO 300724
 DESCRIPTION ~~Economy Products~~ capital Oil
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C	PH	DO	FECAL COLI	Oil & GREASE	Oil-10	Oil-15
<input type="checkbox"/> 00001 (GPM)	AIR						
<input type="checkbox"/> 00001 (CFR)	00020	00010					
COLLECTION DATE		yr <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1645</u>	SAMPLED NAME CODE	LAB NO <u>AQ1311</u>
COLLECTION DATE		yr _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____
COLLECTION DATE		yr _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____
COLLECTION DATE		yr _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____

COMPOSITE SAMPLE DATA
 BEGIN DATE yr _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE yr _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SECS _____ MCF _____ SOCS _____ 1000 L OF GAL DURING COMPOSITE PERIOD
 SAMPLED NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO <u>AQ1311</u>
SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
<u>1 - 16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (PCVDA Priority pollutants)</u>
<u>1 - 8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT S.P. Martin, E&E SAMPLING YES NO Capital Oil
 REMARKS Medium concentration environmental soil
~~16 oz. lot # 5327001~~ ~~location: O+1/2, 1.5~~ ~~1-2' interval~~
16 oz. lot # 5327001 location: O+1/2, 1.5 1-2' interval

ENVIRONMENTAL PROTECTION AGENCY - REGION VII -
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 66115

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STION NO. 300725
 DESCRIPTION ~~Secondary Products~~ Capital Oil
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	TOTAL COC	OIL & GREASE	OTHER	OTHER
<input type="checkbox"/> 00000 (DFM)	AIR 00070	WASTE 00010					
<input type="checkbox"/> 00001 (C73)							
COLLECTION DATE	TP	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
			<u>84</u>	<u>July</u>	<u>10</u>	<u>1715</u>	<u>AQ1312</u>
COLLECTION DATE	TP	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
COLLECTION DATE	TP	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
COLLECTION DATE	TP	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA

BEGIN DATE TP MO DAY TIME LAB NO _____
 END DATE TP MO DAY TIME EQUIPMENT CODE _____
 FLOW RATE _____ SECST MCF _____ SECST 1000. OF GAL DURING COMPOSITE PERIOD SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (VOA Priority) pellet</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLE YES NO Capital Oil
 REMARKS Medium concentration environmental soil

2-3ft
16 oz. lot # 53270011
water: O+1/2, 1.5

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin SIDERT NO _____

DESCRIPTION ~~Edgemoor~~ capital oil 300726

Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C		PH	DO	HEAVY OIL	OIL & GREASE	OTHER
<input type="checkbox"/> 00001 (OPM)	AIR	WATER					
<input type="checkbox"/> 00001 (CFE)	00000	00010					
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
	84	July	10	1730		AQ1313	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLE NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGT _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____

SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO
SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (VOA Priority pollut)
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE SPLIT YES NO Capital Oil

REMARKS Medium concentration environmental soil

16 oz. lot #5 3210011 ~~8oz. lot #~~ ~~11/15~~ ~~11/15~~ 3-4' interval

location: 0+1/2, 1.5

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STORE NO _____
 DESCRIPTION ~~Secondary Product~~ capital oil 300727
Omaha, Nebraska.

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	SICAL CODE	ON & GREASE	OTHER	OTHER
<input type="checkbox"/> 0000 (GPM)	AIR 0000	WATER 0000					
<input type="checkbox"/> 0000 (CFR)							
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1800</u>	SAMPLED NAME CODE	LAB NO <u>AQ1314</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SEC/SEC MCF _____ SOC/SEC 1000. OF GAL DURING COMPOSITE PERIOD SAMPLED NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (R) VOA Priority pollutants
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES Capital Oil NO _____
 REMARKS Medium concentration environmental soil
1 aliquot 1-2ft. segment

16 oz. lot #53270011
~~8 oz. lot #53270011~~
location: K, 2.2

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin 1100 300728
 DESCRIPTION Economy Products and Capital Oil
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C		PH	DO	TOTAL COD	Oil & Grease	Other	Other
<input type="checkbox"/> 00030 (GPM)	AIR	WATER						
<input type="checkbox"/> 00041 (FTS)	00030	00010						
COLLECTION DATE	YE <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1815</u>	SAMPLER NAME CODE	LAB NO <u>AQ1315</u>		
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____		
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____		
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____		

COMPOSITE SAMPLE DATA

BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ DECS _____ MCF _____ DCS _____ 1000. OF GAL DURING COMPOSITE PERIOD _____
 SAMPLER NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (R VOA Priority pesticides
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES NO Capital Oil
 REMARKS Medium concentration environmental soil

1 aliquots 2-3 ft
16oz lot # 5327011 ~~0112, 115~~ 6/2
location: K, 2.2

STATION IDENTIFICATION 300729

SURVEY NO _____ SURVEY LEADER Martin STORIE NO _____

DESCRIPTION Economy Products and Capital Oil
Omaha, Nebraska

GRAB SAMPLE DATA							
SIID	TEMP °C		PH	DO	HEAT COND	DIT & DEIASI	DINH
<input type="checkbox"/> 00039 (OPM)	AM	WATER					
<input type="checkbox"/> 00001 (CTI)	00078	00010					
COLLECTION DATE		YR <u>84</u>	MO <u>July</u>	DAY <u>10</u>	TIME <u>1830</u>	SAMPLER NAME CODE	LAB NO <u>AQ1316</u>
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MCF _____ 1000-GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO <u>AQ1316</u>
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (VOA Priority pollut)</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLE TEST NO YES NO Capital Oil

REMARKS Medium concentration environmental soil

4 aliquots ~~2~~ ft segment

16 oz. lot # 53270011 ~~8.5~~ location: 2.2

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STATION NO. 300730

DESCRIPTION ~~Ecology Products~~ capital oil
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C		PH	DO	SICAL CODE	ON & GREASE	OTHER
<input type="checkbox"/> 00039 (OPMI)	AIR	WATER					
<input type="checkbox"/> 00041 (CFBI)	00070	00010					
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA

BEGIN DATE: YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE: YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE: _____

FLOW RATE: _____ MGT _____ SECS: _____ 1000.00 GAL DURING COMPOSITE PERIOD SAMPLED NAME CODE: _____

WATER CHEMISTRY

SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSES
			MOBILE	REGION	
1 - 16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (VDA Priority pellets)
1 - 8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

LAB NO. AQ1317

CONTACT J.P. Martin, E&E SAMPLE YES NO

REMARKS ~~M+1 low~~ concentration environmental soil

16 oz. lot # 5327001 ~~for #~~ 5 100ft segment, 5 aliquots
 location: M+1/2, 10.8 0-2" gravel

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 64115

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin STATION NO 300731
 DESCRIPTION ~~Economy Products and~~ Capital Oil
Omaha, Nebraska

GRAB SAMPLE DATA								
FLOW	TEMP °C		PH	DO	TOTAL COI	Oil & Grease	OTHER	OTHER
<input type="checkbox"/> 00039 (OPM)	AM	WATER						
<input type="checkbox"/> 00061 (ETS)	00070	00010						
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO		
	84	July	12	0900		AQ1318		
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO		
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO		
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO		

COMPOSITE SAMPLE DATA
 BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SEC/GAL MGT _____ 1000 L OF GAL DURING COMPOSITE PERIOD SAMPLED NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO	ANALYSES
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBIL	REGION		
1-16oz. jar	Purple Lime	None		X		Extractable organics (A/B & N) Pesticides (F VOA Priority pollutants
1-8oz. jar	White	None		X		Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES
 SPILL NO
 REMARKS low concentration environmental soil

16 oz. lot # 53270011 Aliquots 0-2" gravel wash
~~8 oz. lot #~~
located at 8

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin ID# 300732
 DESCRIPTION Economy Products and - capital Oil
Omaha, Nebraska

GRAB SAMPLE DATA							
SID#	TEMP °C		PH	DO	HEAT COND	ON A GRAB	OTHER
	AW	WATER					
<input type="checkbox"/> 0000 (OPM)	0000	0000					
<input type="checkbox"/> 0001 (CFI)							
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
			<u>84</u>	<u>July</u>	<u>12</u>	<u>1045</u>	<u>AQ1320</u>
					<u>really</u>	<u>1400 hrs.</u>	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA
 BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SEC/L MCF _____ SOLE _____ 1000 L OF GAS DURING COMPOSITE PERIOD SAMPLER NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO	ANALYSIS
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION		
<u>1-16oz jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>		<u>Extractable organics (A/B & N) Pesticides (PC) VOA Priority pollutants</u>
<u>1-8oz jar</u>	<u>White</u>	<u>None</u>		<u>X</u>		<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLE YES SPILL NO UP
 REMARKS Low concentration environmental soil

16 oz. lot # 53270011
~~8 oz. lot #~~
~~53270011~~ 15 1/2 - 17 1/2'
Monitoring Well # 3

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin STORE NO 300733
 DESCRIPTION ~~Emergency Products~~ Capital Oil
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C		PH	DO	TOTAL COD	OIL & GREASE	OTHER
<input type="checkbox"/> 0000 (DPH)	AIR	WATER					
<input type="checkbox"/> 0001 (KFS)	00070	00010					
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA
 BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MGT _____ SPCS _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____
 SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO
SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	REGION		ANALYSIS
			MORHE	REGION	
2-1/2 gal	Purple	None, iced		X	Extractable organ (A/B & N) Pesticides (C)
1 - VOA set	Limbe	None, iced		X	VOA Priority pollutants
1 cubitainer	White	HNO ₃ , iced		X	Total Metals Tasks 1, 2, & 3
1 cubitainer	Gray	HNO ₃ , iced		X	Dissolved metals (Tasks 1, 2, & 3)

CONTACT S.P. Martin, E&E SAMPLE SPLIT YES NO Union Pacific
 REMARKS: low concentration environmental water sample

1/2 gal lot # 13350011 PH = 6.7
 VOA lot # 23333152 T°C = 24°C
 conductivity = 1900 umhos
Monitoring Well # 3

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin STORE NO 300734
 DESCRIPTION Economy Products and Capital Oil
Omaha, Nebraska

GRAB SAMPLE DATA							
FIELD	TEMP °C	PH	DO	TOTAL COI	ON & GREASE	DIRT	OTHER
<input type="checkbox"/> 0000 (SPM)	AM 0000	WATER 0000					
<input type="checkbox"/> 0000 (CFU)							
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>12</u>	TIME <u>1100</u>	SAMPLED NAME CODE	LAB NO <u>AQ1321</u>	
				<u>really 1300 hrs.</u>			
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA
 BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SEC/SEC MGP _____ 1000 L OF GAL DURING COMPOSITE PERIOD SAMPLER NAME CODE _____

WATER CHEMISTRY				LABORATORY		LAB NO <u>AQ1321</u>
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE		REGION	ANALYSES
			YES	NO		
<u>1-16oz jar</u>	<u>Purple Lime</u>	<u>None</u>			<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (ACI) VOA Priority pollutants</u>
<u>1-8oz jar</u>	<u>White</u>	<u>None</u>			<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLED YES SPLIT NO UP
 REMARKS Low concentration environmental soil

16oz lot # 5327001
~~8oz lot #~~
~~0.5-1.0 and 2.5-3.5~~
M. Well #3

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STORET NO. 300735

DESCRIPTION Economy Products ~~oil~~
Omaha, Nebraska

GRAB SAMPLE DATA							
TIOW	TEMP °C	PH	DO	SICAL CODE	OH & GREASE	OTHER	OTHER
<input type="checkbox"/> DD03V (OPM)	AIR	WATER					
<input type="checkbox"/> DD04V (CFE)	00020	00010					
COLLECTION DATE		YR <u>84</u>	MO <u>July</u>	DAY <u>9</u>	TIME <u>1600</u>	SAMPLE NAME CODE	LAB NO. <u>AQ1801</u>
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO. _____
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO. _____
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO. _____

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO. _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MCF _____ 1000.01 GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO. <u>AQ1801</u>
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSES
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/D & N) Pesticides VOA Priority pollutants</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLE YES SPLIT NO

REMARKS low concentration environmental soil-sediment
12th alley - 6 aliquots 0-2"
16 oz. lot # 53249071 west of city property
8 oz. lot #
mixture of asphalt, tarry material of runoff sediment; C, 12

ENVIRONMENTAL PROTECTION AGENCY - REGION VIII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STORET NO. 300736

DESCRIPTION Economy Products ~~at ~~_____~~~~
Omaha, Nebraska

GRAB SAMPLE DATA

FIELD	TEMP °C	PH	DO	TOTAL COLI	DIRT & GRASS	OTHER	OTHER
<input type="checkbox"/> 0001 (OPM)	AM 0000	WATER 0000					
<input type="checkbox"/> 0001 (CFU)							
COLLECTION DATE	TO <u>84</u> JULY DAY <u>9</u> TIME <u>16:15</u>	SAMPLER NAME CODE		LAB NO. <u>AQ1802</u>			
COLLECTION DATE	TO _____ MO _____ DAY _____ TIME _____	SAMPLER NAME CODE		LAB NO. _____			
COLLECTION DATE	TO _____ MO _____ DAY _____ TIME _____	SAMPLER NAME CODE		LAB NO. _____			
COLLECTION DATE	TO _____ MO _____ DAY _____ TIME _____	SAMPLER NAME CODE		LAB NO. _____			

COMPOSITE SAMPLE DATA

BEGIN DATE: TO _____ MO _____ DAY _____ TIME _____ LAB NO. _____

END DATE: TO _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGT _____ 1000% OF GAS DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSES
			MOBILE	REGION	
1-16oz jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (R) VOA Priority pollutants
1-8oz jar	White	None		X	Total Metals (Task 1, 2, & 3)

LAB NO. AQ1802

CONTACT J.P. Martin, E&E SAMPLE YES SPLIT NO

REMARKS low concentration environmental soil
11th Street & Nicholas St. -- NW corner
16 oz lot # 53249071 east of city property
4 aliquots 0-4" location A + 1/4, 1, 2

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STORE NO 300737

DESCRIPTION Economy Products
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	TOTAL COD	OIL & GREASE	DINITE	DINITE
<input type="checkbox"/> 00030 (OPM)	AIR 00070	WATER 00010					
<input type="checkbox"/> 00001 (C731)							
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>9</u>	TIME <u>1630</u>	SAMPLE NAME CODE	LAB NO <u>AQ1803</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE: YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE: YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ SECS: _____ MGT _____ SOCS: _____ 1000% OF GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSES
			MOBILE	REGION	
1 - 16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (VOA Priority pollutants)
1 - 8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE SPLIT YES NO

REMARKS low concentration environmental soil
West of Charco
~~16 oz lot # 53249071~~
~~8 oz lot #~~
5 aliquots 100 ft segment from 10 ft east of fence starting at North end of Charco
0-4" south

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin 300738
 DESCRIPTION Economy Products ~~at Capital St~~
Omaha, Nebraska

GRAB SAMPLE DATA

ID#	TEMP °C	PH	DO	TOTAL COD	OH & GREASE	DINES	DINES
<input type="checkbox"/> 0001 (SPM)	AN	WATER					
<input type="checkbox"/> 0001 (CFS)	00070	00010					
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>9</u>	TIME <u>1645</u>	SAMPLED NAME CODE	LAB NO <u>AQ1807</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MGT _____ 1000 L OF GAL DURING COMPOSITE PERIOD SAMPLED NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBIL	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (VOA Priority <u>PEL</u>)
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES
SPILL NO
 REMARKS low concentration environmental soil
West of Charco
16 oz. lot # 53249071
8 oz. lot #
5 aliquot 100ft segment (south of sample #3) 10ft east of fence

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STOR# 300739
 DESCRIPTION Economy Products ~~and ~~gas~~~~
Omaha, Nebraska

GRAB SAMPLE DATA

SIID	TEMP °C	PH	DO	FECAI COD	OIL & GREASE	DINES	DI-12
<input type="checkbox"/> 00039 (OPM)	AIR 00070	WATER 00010					
COLLECTION DATE	YR <u>84</u> MO <u>July</u> DAY <u>9</u>	TIME <u>1740</u>	SAMPLED NAME CODE	LAB NO <u>AQ1805</u>			
COLLECTION DATE	YR _____ MO _____ DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____			
COLLECTION DATE	YR _____ MO _____ DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____			
COLLECTION DATE	YR _____ MO _____ DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____			

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 SIID DATE _____ SECSE _____ MCF _____ SDCSE _____ 1000% OF GAS DURING COMPOSITE PERIOD SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (P, VOA Priority pollutants)
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES SPLIT NO
 REMARKS low concentration environmental soil
10 feet west of Oharco Bldg in 5 aliquots in a 100 ft square
mainly within a freshly oiled surface
starting 40 south of OHARCO bldg's SW corner and running south 0-4"

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STORE NO. 800740

DESCRIPTION Economy Products ~~at ~~at~~~~
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	TOTAL COD	ON A GRASS	DISE	DISEP
<input type="checkbox"/> 00030 (GPM)	AM 00070	WATER 00010					
<input type="checkbox"/> 00001 (CSI)							
COLLECTION DATE TO <u>84</u> <u>July</u> DAY <u>11</u> TIME <u>930</u>		SAMPLER NAME CODE		LAB NO. <u>AQ1806</u>			
COLLECTION DATE TO _____ MO _____ DAY _____ TIME _____		SAMPLER NAME CODE		LAB NO. _____			
COLLECTION DATE TO _____ MO _____ DAY _____ TIME _____		SAMPLER NAME CODE		LAB NO. _____			
COLLECTION DATE TO _____ MO _____ DAY _____ TIME _____		SAMPLER NAME CODE		LAB NO. _____			

COMPOSITE SAMPLE DATA

BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO. _____

END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MCF _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
<u>1-16oz. jar</u>	<u>Purple lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/D & N) Pesticides (f VO A Priority pollutants</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLE SPLIT YES NO Union Pacific

REMARKS Medium concentration environmental soil
0-1 ft interval

16 oz. lot # 53249071
8 oz. lot #

location G-11

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin SITE ID 300741
 DESCRIPTION Economy Products ~~and ~~soil~~~~
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	TOTAL COIL	OIL & GREASE	DIBP	DIBP
<input type="checkbox"/> 00039 (CPM)	AIR						
<input type="checkbox"/> 00041 (CST)	00039	00010					
COLLECTION DATE		YR <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>945</u>	LAB NO <u>AQ1807</u>	
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	LAB NO _____	
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	LAB NO _____	
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SEC/SEC MGF _____ SOCS/SEC 1000 L OF GAS DURING COMPOSITE PERIOD SAMPLED NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides VOA Priority <u>peils</u>
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES NO Union Pacific
 REMARKS Medium concentration environmental soil
1-2 ~~8~~ ft interval
16oz. lot # 53249071
8oz. ~~lot #~~
location G, 11

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STATION NO 300742

DESCRIPTION Economy Products ~~at ~~location~~~~
Omaha, Nebraska

GRAB SAMPLE DATA									
FLOW	TEMP °C	PH	DO	TOTAL CO2	OH & GREASE	OTHER	OTHER	OTHER	OTHER
<input type="checkbox"/> 00050 (GPM)	AIR 00070	WATER 00010							
<input type="checkbox"/> 00001 (CFS)									
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>1000</u>	SAMPLED NAME CODE	LAB NO <u>AQ1808</u>			
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____			
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____			
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____			

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ GPM _____ MGD _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLED NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO <u>AQ1808</u>
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (PCA VOA Priority pollutants)</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT S.P. Martin, E&E SAMPLE YES Union Pacific
 SPLIT NO

REMARKS Medium concentration environmental soil
2-3 ~~20~~ ft interval

16 oz lot # 53249071
8 oz ~~lot #~~

location G, 11

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STOR# 300743

DESCRIPTION Economy Products ~~and Capital Oil~~
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	TOTAL COI	Oil & Grease	Other	Other
<input type="checkbox"/> 00037 (GPM)	AIR 00020	WATER 00010					
<input type="checkbox"/> 00061 (CFR)							
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>10:15</u>	SAMPLED NAME CODE	LAB NO <u>AQ1809</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SEC/L MGT _____ SPEC _____ 1000.01 GAL DURING COMPOSITE PERIOD SAMPLED NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (R) VOA Priority pollutants
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE SPLIT NO Union Pacific

REMARKS Medium concentration environmental soil
3-4 ft interval

16 oz. lot # 53249071
~~8 oz. lot #~~
location ~~B~~ G, 11

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin STATION NO 300744
 DESCRIPTION Economy Products ~~soil~~ ~~oil~~
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C	PH	DO	TOTAL SOLIDS	OIL & GREASE	OTHER	OTHER
<input type="checkbox"/> 00030 (OPM)	AW	WATER					
<input type="checkbox"/> 00001 (CFE)	00030	00010					
COLLECTION DATE		YR <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>1045</u>	SAMPLER NAME CODE	LAB NO <u>AQ180910</u>
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____

COMPOSITE SAMPLE DATA
 BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MGT _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (VOA Priority pollut)
1-8oz jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE TLT
 REMARKS Medium concentration environmental soil SPLIT NO

16 oz lot # 53249011
~~8 oz lot #~~
Location K8 1-2' interval

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STATION NO 300745
 DESCRIPTION Economy Products ~~and ~~soil~~~~
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	HEAVY METALS	DISSOLVED SOLIDS	TOTAL SOLIDS	OTHER
<input type="checkbox"/> 0003 (GPM) <input type="checkbox"/> 0004 (CFD)	AM 0000 WATER 0010						
COLLECTION DATE	YR <u>84</u> MO <u>July</u> DAY <u>11</u>	TIME <u>1100</u>	SAMPLED NAME CODE <u>#</u>	LAB NO <u>AQ180911</u>			
COLLECTION DATE	YR _____ MO _____ DAY _____	TIME _____	SAMPLED NAME CODE _____	LAB NO _____			
COLLECTION DATE	YR _____ MO _____ DAY _____	TIME _____	SAMPLED NAME CODE _____	LAB NO _____			
COLLECTION DATE	YR _____ MO _____ DAY _____	TIME _____	SAMPLED NAME CODE _____	LAB NO _____			

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MGF _____ 100% OF CAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (VOA Priority pollut)
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT: J.P. Martin, E&E SAMPLE SPLIT YES NO
 REMARKS: Medium concentration environmental soil

16 oz. lot # 53249071
 8 oz. lot # _____
 location K8 2-3' interval

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin MOBILE NO. 300746

DESCRIPTION Economy Products ~~and and~~
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	HEAT COND.	DR. & GREAS.	DIMS	DIMS
<input type="checkbox"/> 00009 (OPM)	AW 00020	WATER					
<input type="checkbox"/> 00001 (ETS)	00010						

COLLECTION DATE TO 84 July DAY 11 TIME 1115 SAMPLED NAME CODE _____ LAB NO. AQ1812

COLLECTION DATE TO _____ MO _____ DAY _____ TIME _____ SAMPLED NAME CODE _____ LAB NO. _____

COLLECTION DATE TO _____ MO _____ DAY _____ TIME _____ SAMPLED NAME CODE _____ LAB NO. _____

COLLECTION DATE TO _____ MO _____ DAY _____ TIME _____ SAMPLED NAME CODE _____ LAB NO. _____

COMPOSITE SAMPLE DATA

BEGIN DATE TO _____ MO _____ DAY _____ TIME _____ LAB NO. _____

END DATE TO _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ SEC: _____ MGT _____ SEC: _____ 1000 L. OF GAL DURING COMPOSITE PERIOD SAMPLED NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (P&B VOA Priority pollutants
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES
SPEC NO

REMARKS Medium concentration environmental soil

16 oz. lot # 53249011
~~8oz. lot #~~

K8 - 3-4' interval

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin STORE NO 300747
 DESCRIPTION Economy Products ~~and ~~soil~~ ~~soil~~~~
Omaha, Nebraska

GRAB SAMPLE DATA							
TEMP °C	PH	DO	TOTAL COI	OIL & GREASE	DIBP	OTHER	
<input type="checkbox"/> 0000 (OPM)	<input type="checkbox"/> 0000	<input type="checkbox"/> 0000					
<input type="checkbox"/> 0000 (CFM)	<input type="checkbox"/> 0000	<input type="checkbox"/> 0000					
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>1130</u>	SAMPLER NAME CODE	LAB NO <u>AQ1813</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA
 BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SEC: _____ MGT _____ SEC: _____ 100% OF GAL DURING COMPOSITE PERIOD
 SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		ANALYSIS
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides VOA Priority panel
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT S.P. Martin, E&E SAMPLE YES
 REMARKS Medium concentration environmental soil SPILL NO
1-2ft interval

16 oz lot # 53249071
 8oz lot # _____
location K5

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STORE NO 300748
 DESCRIPTION Economy Products ~~and carpet~~
Omaha, Nebraska

GRAB SAMPLE DATA

ID#	TEMP °C	PH	DO	SPECIAL CODE	DIL & GRAV	DIM1	DIM2
<input type="checkbox"/> 0000 (OPM)	AIR	WATER					
<input type="checkbox"/> 0001 (CFI)	0000	0000					
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>1145</u>	SAMPLER NAME CODE	LAB NO <u>AQ1814</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SECS MCF _____ 1000.0 GAL DURING COMPOSITE PERIOD SAMPLER NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (PE VOA Priority pollutants
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES NO
 REMARKS Medium concentration environmental soil

2-3 ft
 16 oz. lot # 53249071
 8 oz. lot # _____
KS

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STORE NO 500749

DESCRIPTION Economy Products ~~_____~~

Omaha, Nebraska

GRAB SAMPLE DATA							
ID#	TEMP °C		PH	DO	SICAL COD	ON & GRASS	DIRT
<input type="checkbox"/> 0000 (GPM)	AIR	WATER					
<input type="checkbox"/> 0001 (ESI)	0000	0000					
COLLECTION DATE	TO	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
			<u>84 July 11</u>	<u>1700</u>		<u>AQ1815</u>	
COLLECTION DATE	TO	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
COLLECTION DATE	TO	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
COLLECTION DATE	TO	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA

BEGIN DATE TO _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE TO _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGT _____ 100% OF GAL DURING COMPOSITE PERIOD _____

WATER CHEMISTRY			LABORATORY		LAB NO <u>AQ1815</u>
SAMPLE CONTAINER	TAC CODE	PRESERVATIVE	MOBILE	REGION	ANALYSIS
<u>1-16oz jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (PCE VOA Priority pollutants)</u>
<u>1-8oz jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLE YES NO

REMARKS Medium concentration environmental soil

3 1/2 - 5' 10" ~~interval~~ interval (same material lost)

16 oz lot # 53249071

8 ~~lot #~~

location KS

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STORE NO. 300750

DESCRIPTION Economy Products ~~and~~ ~~Cap Products~~ Oil
Omaha, Nebraska

GRAB SAMPLE DATA								
FLOW	TEMP °C		PH	DO	FEAT COD	OIL & GREASE	DINES	DINES
<input type="checkbox"/> 00030 (OPM)	AIR	WATER						
<input type="checkbox"/> 00001 (CFI)	00070	00010						
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>1230</u>	SAMPLE NAME CODE		LAB NO. <u>AQ1816</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE		LAB NO. _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE		LAB NO. _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE		LAB NO. _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO. _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MCF _____ SEC: _____ 1000. OF GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO. <u>AQ1816</u>
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSES
<u>1 - 16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (VOA Priority pesticides)</u>
<u>1 - 8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLE YES SPLIT NO

REMARKS Medium concentration environmental soil - 1-2 ff

16 oz. lot # 53249071

8 oz. lot #

location: I6

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STATION NO 300751

DESCRIPTION Economy Products ~~and ~~Capitol~~ ~~City~~~~
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C	PH	DO	FECAL COLI	OIL & GREASE	DINES	DINES
<input type="checkbox"/> 00009 (DPM)	AM	WATER					
<input type="checkbox"/> 00001 (TS)	00000	00000					
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>1245</u>	SAMPLED NAME CODE	LAB NO	<u>AQ1817</u>
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ SEC: _____ MCF _____ 1000.0 GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (VOA Priority pellet)</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLE YES SPLIT NO

REMARKS medium concentration environmental soil
2-3 ft

16 oz lot # 532490.71
~~8 oz lot #~~

locator 16

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STATION NO. 300752

DESCRIPTION Economy Products ~~oil~~
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	HEAVY METALS	OIL & GREASE	OTHER	OTHER
<input type="checkbox"/> PDD30 (OPM)	ASH	WATER					
<input type="checkbox"/> PDD31 (CIS)	00070	00010					

COLLECTION DATE: YE 84 MO July DAY 11 TIME 1300 SAMPLER NAME CODE _____ LAB NO. AQ1818

COLLECTION DATE: YE _____ MO _____ DAY _____ TIME _____ SAMPLER NAME CODE _____ LAB NO. _____

COLLECTION DATE: YE _____ MO _____ DAY _____ TIME _____ SAMPLER NAME CODE _____ LAB NO. _____

COLLECTION DATE: YE _____ MO _____ DAY _____ TIME _____ SAMPLER NAME CODE _____ LAB NO. _____

COMPOSITE SAMPLE DATA

BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO. _____

END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ SEC/SEC MCF _____ 1000 L OF GAL DURING COMPOSITE PERIOD SAMPLER NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSES
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides VOA Priority <u>peils</u>
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

LAB NO. AQ1818

CONTACT J.P. Martin, E&E SAMPLE YES
 SPLIT NO

REMARKS Medium concentration environmental soil
3-4 ft

16 oz. lot # 53249071
~~lot #~~

Location I 6

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STORE NO. 300753

DESCRIPTION Economy Products ~~and ~~and~~~~
Omaha, Nebraska

GRAB SAMPLE DATA								
FLOW	TEMP °C	PH	DO	TOTAL SOLIDS	OIL & GREASE	OTHER	OTHER	OTHER
<input type="checkbox"/> 00030 (SPM)	AIR	WATER						
<input type="checkbox"/> 00001 (CTST)	00070	00010						
COLLECTION DATE		YE <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>1330</u>	SAMPLER NAME (COD)	LAB NO. <u>AQ1819</u>	
COLLECTION DATE		YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME (COD)	LAB NO. _____	
COLLECTION DATE		YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME (COD)	LAB NO. _____	
COLLECTION DATE		YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME (COD)	LAB NO. _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO. _____

END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT (COD) _____

FLOW RATE _____ MGD _____ 1000 L OF GAL DURING COMPOSITE PERIOD SAMPLER NAME (COD) _____

WATER CHEMISTRY			LABORATORY		LAB NO. <u>AQ1819</u>
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
<u>1 - 16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides (VDA Priority pollut)</u>
<u>1 - 8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLE YES UP
SPILL NO

REMARKS Medium concentration environmental soil

1-2 ft

16 oz. lot # 53249071

~~16 oz. lot #~~

location ~~and~~ ~~and~~ 63

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEAD: Martin STOR# NO 300754

DESCRIPTION: Economy Products ~~and ~~soil~~~~
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C	PH	DO	TOTAL COLI	OIL & GREASE	OTHER	OTHER
<input type="checkbox"/> 00030 (DPMS)	AS	WATER					
<input type="checkbox"/> 00061 (CFM)	00070	00010					
COLLECTION DATE	YE <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>1345</u>	SAMPLER NAME CODE	LAB NO <u>AQ1820</u>	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGD _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO <u>AQ1820</u>
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
<u>1 - 16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/D & N) Pesticides (R VO A Priority pollutants</u>
<u>1 - 8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT: S.P. Martin, E&E SAMPLE YES SPLIT NO UP

REMARKS: Medium concentration environmental soil
2-3 ft

16 oz. lot # 53249071
~~lot #~~

Location: ~~(63)~~ (63)

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin 300755

DESCRIPTION Economy Products ~~and ~~soil~~~~
Omaha, Nebraska

GRAB SAMPLE DATA									
FLOW	TEMP °C		PH	DO	TOTAL COB	OIL & GREASE	OTHER	DATE	
<input type="checkbox"/> 0005 (OPM)	AIR	WATER							
<input type="checkbox"/> 0006 (CFS)	00070	00010							
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO			
						A01821			
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO			
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO			
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO			

COMPOSITE SAMPLE DATA

BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGF _____ 1000.01 GAL DURING COMPOSITE PERIOD

SAMPLER NAME CODE _____

WATER CHEMISTRY			LABORATORY		ANALYSIS
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides VOA Priority pollutants
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES
SPLIT NO UP

REMARKS Medium concentration environmental soil
3-4 ft

16 oz. lot # 53210011
~~8 oz. lot #~~

location G3

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STORE NO. 300756
 DESCRIPTION Economy Products ~~and ~~and~~ ~~and~~ ~~and~~~~
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DD	TOTAL COLI	OIL & GREASE	DIBP	DIBP
<input type="checkbox"/> 0000 (DPM)	AIR	WATER					
<input type="checkbox"/> 0000 (E11)	00070	00010					
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>1630</u>	SAMPLE NAME CODE	LAB NO. <u>AQ1822</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO. _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO. _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO. _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO. _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SEC:30 MGT _____ SOC:30 1000. OF GAL DURING COMPOSITE PERIOD SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (P) VOA Priority pollutants
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES SPILL NO

REMARKS low concentration environmental soil
6"-2ft

16 oz. lot # 53270011
~~8oz. lot #~~
background well (#1)

FIELD OFFICE
 ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STORET NO. 300757

DESCRIPTION Economy Products ~~and ~~and~~~~
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C		PH	DO	SPECIAL COLL	OIL & GREASE	OTHER
<input type="checkbox"/> 00000 (GPM)	AIR	WATER					
<input type="checkbox"/> 00001 (CFR)	00020	00010					
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME (COD)	LAB NO	
	84	July	11	1645		AQ1823	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME (COD)	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME (COD)	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME (COD)	LAB NO	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT (COD) _____

FLOW RATE _____ MGF _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME (COD) _____

WATER CHEMISTRY			LABORATORY		ANALYSES
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	SECIDN	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (PCE VOA Priority pollutants)
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT S.P. Martin, E&E SAMPLE YES SPLIT NO

REMARKS low concentration environmental soil
2 3/4 feet 2-4'

16 oz. lot # 53270011
~~8 oz. lot #~~

background well (well #1)

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin ID: 300758
 DESCRIPTION Economy Products ~~and ~~soil~~~~
Omaha, Nebraska

GRAB SAMPLE DATA								
FLOW	TEMP °C		PH	DO	SECAL COD	OIL & GREASE	DINITE	OTHER
<input type="checkbox"/> 00034 (GPM)	AIR	WATER						
<input type="checkbox"/> 00041 (CFR)	00020	00010						
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>1700</u>	SAMPLER NAME CODE	LAB NO <u>AQ1824</u>		
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____		
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____		
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____		

COMPOSITE SAMPLE DATA
 BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MGD _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME CODE _____

WATER CHEMISTRY			LABORATORY		ANALYSIS
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/D & N) Pesticides (i VOA Priority pollutants
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES
 SPILL NO
 REMARKS low concentration environmental soil

14 1/2 - 16 feet
16 oz. lot # 53270011
Background well (Well #1)

ENVIRONMENTAL PROTECTION AGENCY - REGION VII -
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin 300759
 DESCRIPTION Economy Products ~~and~~
Omaha, Nebraska

GRAB SAMPLE DATA									
FLOW	TEMP °C	PH	DO	FECAL COLI	OIL & GREASE	OTHER	DATE	TIME	LAB NO
<input type="checkbox"/> 00037 (OPMI) <input type="checkbox"/> 00061 (CFI)	AIR 00070 WATER 00010								
COLLECTION DATE	YE <u>84</u>	MO <u>July</u>	DAY <u>11</u>	TIME <u>1730</u>	SAMPLER NAME CODE				LAB NO <u>AQ1825</u>
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE				LAB NO _____
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE				LAB NO _____
COLLECTION DATE	YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE				LAB NO _____

COMPOSITE SAMPLE DATA
 BEGIN DATE: YE _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE: YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MGF _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO	ANALYSES
SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	MOBILE	REGION		
1 - 16oz. jar	Purple Lime	None		X		Extractable organics (A/B & N) Pesticides (PC VOA Priority pollutants)
1 - 8oz. jar	White	None		X		Total Metals (Task 1, 2, & 3)

CONTACT S.P. Martin, E&E SAMPLE YES SPLIT NO
 REMARKS low concentration environmental sediment
Baliquets 0-2",
16 oz. lot # 5327001
location F-1/4, 12.5 just east of curb

ENVIRONMENTAL PROTECTION AGENCY - REGION VII -
SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION
 SURVEY NO. _____ SURVEY LEADER Martin STORET NO. 300760
 DESCRIPTION Economy Products ~~and ~~of ~~the~~~~~~
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C		PH	DO	TOTAL COLI	OIL & GREASE	OTHER
<input type="checkbox"/> 00030 (GPM)	AM	WATER					
<input type="checkbox"/> 00001 (CFS)	00070	00010					
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO.	
	84	July	12	0915		AQ1826	
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO.	
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO.	
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO.	

COMPOSITE SAMPLE DATA
 BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO. _____
 END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SEC: _____ MGF _____ SOCS: _____ 1000 L OF GAL DURING COMPOSITE PERIOD SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO.
SAMPLE CONTAINER	TAG. COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (VDA Priority pollutants)
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE SPLIT YES NO
 REMARKS low concentration environmental soil

16 oz. lot # 53270011
~~8oz. lot #~~
 Location: F-1/4, 12.6
 4 aliquots 0-6" W segment
 center of soil in grassy area between curb and bldg.

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STORE NO 300761

DESCRIPTION Economy Products ~~and ~~copied~~~~
Omaha, Nebraska

GRAB SAMPLE DATA

FIELD	TEMP °C	PH	DO	TOTAL COLI	OH & GREASE	DINES	DINES
<input type="checkbox"/> 00030 (OPPM)	AIR 00030	WATER 00010					
<input type="checkbox"/> 00041 (CTSI)							
COLLECTION DATE	YR <u>84</u>	MO <u>July</u>	DAY <u>12</u>	TIME <u>0930</u>	SAMPLED NAME CODE	LAB NO <u>AQ1827</u>	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	
COLLECTION DATE	YR _____	MO _____	DAY _____	TIME _____	SAMPLED NAME CODE	LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGF _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSES
			MOBILE	REGION	
1 - 16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (PCE VOA Priority pollutants)
1 - 8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES NO

REMARKS low concentration environmental soil

16 oz. lot # 53270011
 8 oz. lot # _____
 location D-1/2, 12.6

0-6", 6 aliquots
100' segment in center
 of grassy area between
 bldg and parking

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 64111

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin STORE NO 300762
 DESCRIPTION Economy Products ~~and ~~cap~~ ~~at~~~~
Omaha, Nebraska

GRAB SAMPLE DATA									
FLOW	TEMP °C		PH	DO	FECAL COD	OIL & GREASE	OTHER	DIN	
<input type="checkbox"/> 0000P (OPM)	AIR	WATER							
<input type="checkbox"/> 0000I (CSI)	0000	0000							
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO			
			<u>84 July 13</u>	<u>1100</u>		<u>AQ1828</u>			
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO			
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO			
COLLECTION DATE	YE	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO			

COMPOSITE SAMPLE DATA
 BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ SECSE _____ MGP _____ SOC22 _____ 1000+ GALS DURING COMPOSITE PERIOD _____
 SAMPLER NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO
SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticides VOA Priority pill-</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT J.P. Martin, E&E SAMPLE YES NO UP
 REMARKS Low concentration environmental soil

16 oz. lot # 53270011
~~8 oz. lot #~~
Monitoring well #2 1/2-2 1/2' interval

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 64111

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin ID# 300763

DESCRIPTION Economy Products and ~~Capital A.I.~~
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C		PH	DO	ESCAL CODE	OIL & GREASE	OTHER
<input type="checkbox"/> 00000 (GPM)	AM	WATER					
<input type="checkbox"/> 00001 (CFR)	00020	00010	.1				
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
						<u>AQ1829</u>	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGF _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO	ANALYSIS
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION		
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>AQ1829</u>	<u>Extractable organics (A/B & N) Pesticides (VOA Priority pollut)</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>		<u>Total Metals (Task 1, 2, & 3)</u>

CONTACT S.P. Martin, E&E SAMPLE YES SPILL NO UP

REMARKS low concentration environmental soil

16 oz. lot # 53270011
8oz. lot #

Monitoring well # 2 2 1/2 - 4 1/2' interval

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STORE NO. 300764

DESCRIPTION Economy Products and ~~Capitol Oil~~
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C		PH	DO	TOTAL COD	OH & GREASE	OTHER
<input type="checkbox"/> 00030 (GPM)	AIR	WATER					
<input type="checkbox"/> 00001 (CFM)	00030	00010					
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO.	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO.	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO.	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO.	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO. _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ GCF _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME CODE _____

WATER CHEMISTRY			LABORATORY		ANALYSES
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides (I VOA Priority pollutants
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES
 SPLIT NO

REMARKS Low concentration environmental soil.
100 ft segment 5 aliquots
16 oz. lot # S3270011
8 oz. lot #
location H, 12
0-2" (gravel road)

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 66111

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STORE NO 300765

DESCRIPTION Economy Products ~~and ~~sewage~~ Oil~~
Omaha, Nebraska

GRAB SAMPLE DATA									
FLOW	TEMP °C	PH	DO	SICAL COD	OIL & GREASE	DINIS	DIPO	OTHER	
<input type="checkbox"/> 00039 (OPMI)	AIR 00020	WATER 00010							
<input type="checkbox"/> 00001 (CTS)									
COLLECTION DATE		YE <u>84</u>	MO <u>July</u>	DAY <u>12</u>	TIME <u>1015</u>	SAMPLER NAME CODE		LAB NO <u>AQ1832</u>	
COLLECTION DATE		YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE		LAB NO _____	
COLLECTION DATE		YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE		LAB NO _____	
COLLECTION DATE		YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE		LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ SCESZ MCF _____ 1000.01 GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME CODE _____

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides VOA Priority <u>peils</u>
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES NO

REMARKS Low concentration environmental soil

16 oz. lot # 53290011 4 aliquots 0.2" (gravel rock)

~~8 oz. lot #~~

Location I, 9

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65

STATION IDENTIFICATION
 SURVEY NO _____ SURVEY LEADER Martin 300766
 DESCRIPTION Economy Products and ~~Capital~~
Omaha, Nebraska

GRAB SAMPLE DATA									
FLOW	TEMP °C	PH	DO	TOTAL COD	OIL & GREASE	OTHER	C1		
<input type="checkbox"/> 0000 (GPM)	AIR	WATER							
<input type="checkbox"/> 0000 (GPM)	0000	0000							
COLLECTION DATE		YR <u>84</u>	MO <u>July</u>	DAY <u>12</u>	TIME <u>1030</u>	SAMPLE NAME CODE		LAB NO <u>AQ183</u>	
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE		LAB NO _____	
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE		LAB NO _____	
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE		LAB NO _____	

COMPOSITE SAMPLE DATA
 BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MGT _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO <u>AQ183</u>
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticide, VOA Priority poll.
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT S.P. Martin, E&E SAMPLE YES
 REMARKS changed to medium concentration environmental SPILL NO July 19, 1984
[HIGH CONC.]
 16 oz lot # 53270011
location: G+1/3,5 (oily spill area) (0-1")

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65111

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin 300767

DESCRIPTION Economy Products
Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C		PH	DO	TOTAL COIL	OIL & GREASE	OTHER
<input type="checkbox"/> 00039 (GPM)	AIR	WATER					
<input type="checkbox"/> 00041 (CFM)	00070	00010					
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO.	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO.	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO.	
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLER NAME CODE	LAB NO.	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO. _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ SECS _____ MGT _____ SDES _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLES NAME CODE _____

WATER CHEMISTRY			LABORATORY		ANALYSIS
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBILE	REGION	
1 - 16oz. jar	Purple Lime	None		X	Extractable organics (A/B & N) Pesticides VOA Priority pills
1 - 8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES
SPLIT NO Union Pacific

REMARKS for concentration environmental soil medium

16 oz. lot # 532 ⁷⁰⁰¹¹ - on the east half of this segment there was an oily slick
 8 oz. lot # _____ and green stain

3 aliquots, 160' segment (~~west~~) in abandoned RR. bed 0-4" location: G, 8.5

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STATION NO. 300768

DESCRIPTION Economy Products ~~and ~~and~~~~
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C		PH	DO	FECAL COLI	OIL & GREASE	DINOS	OTHER
<input type="checkbox"/> 00030 (GPM)	AIR	WATER						
<input type="checkbox"/> 00041 (CFR)	00070	00010						
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO		
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO		
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO		
COLLECTION DATE	YR	MO	DAY	TIME	SAMPLED NAME CODE	LAB NO		

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MCF _____ 1000+ G1 GAL DURING COMPOSITE PERIOD _____ SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/D & N) Pesticides (A/VA Priority pollutants)
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT J.P. Martin, E&E SAMPLE YES SPLIT NO Union Pacific

REMARKS medium concentration environmental soil

16 oz. lot # 53270011
 8 oz. lot #
 8 aliquots (east end) 160' segment in absolute
 L.R. bed 0-4" location: G, 3.5'

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65115

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STOR# 300769

DESCRIPTION Economy Products ~~and soil~~
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	TOTAL COLI	OH & GREASE	OTHER	OTHER
<input type="checkbox"/> 00039 (GPM)	AM 00070	WATER 00010					
<input type="checkbox"/> 00061 (CTS)							

COLLECTION DATE 84 July 12 TIME 1115 SAMPLER NAME CODE _____ LAB NO AQ1836

COLLECTION DATE _____ TIME _____ SAMPLER NAME CODE _____ LAB NO _____

COLLECTION DATE _____ TIME _____ SAMPLER NAME CODE _____ LAB NO _____

COLLECTION DATE _____ TIME _____ SAMPLER NAME CODE _____ LAB NO _____

COMPOSITE SAMPLE DATA

BEGIN DATE 84 July 12 TIME 1115 LAB NO _____

END DATE _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGD _____ 1000.00 GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
<u>1-16oz. jar</u>	<u>Purple Lime</u>	<u>None</u>		<u>X</u>	<u>Extractable organics (A/B & N) Pesticicides (RC VOA Priority pollutant</u>
<u>1-8oz. jar</u>	<u>White</u>	<u>None</u>		<u>X</u>	<u>Total Metals (Task 1, 2, & 3)</u>

LAB NO AQ1836

CONTACT J.P. Martin, E&E SAMPLE YES
 REMARKS low concentration environmental soil SPLIT NO

16 oz. 10T # ~~53249051~~ 53249051 0-6", 5 aliquots

Location 1 + 1/2, 2 (Front of Economy Products Bldg.)

ENVIRONMENTAL PROTECTION AGENCY - REGION VII -
 SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 65111

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin 300770
SURVEY NO

DESCRIPTION Economy Products ~~and Capital Oil~~
Omaha, Nebraska

GRAB SAMPLE DATA									
FLOW	TEMP °C	PH	DO	SPECIAL CODE	OIL & GREASE	OTHER	OTHER	OTHER	OTHER
<input type="checkbox"/> 00059 (GPM)	AIR	WATER							
<input type="checkbox"/> 00061 (CFR)	00070	00010							
COLLECTION DATE		YR <u>84</u>	MO <u>July</u>	DAY <u>13</u>	TIME <u>0900</u>	SAMPLER NAME CODE		LAB NO <u>AQ1837</u>	
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE		LAB NO _____	
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE		LAB NO _____	
COLLECTION DATE		YR _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE		LAB NO _____	

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MCF _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME CODE _____

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
1-16oz. jar	Purple Lime	None		X	Extractable organics (A/D & N) Pesticides (VOA Priority pollut)
1-8oz. jar	White	None		X	Total Metals (Task 1, 2, & 3)

CONTACT S.P. Martin, E&E SAMPLE YES
SPILL NO

REMARKS med. concentration environmental soil

16 oz. lot # 53270011

location G+1/2, 3, 5
50' segment (east-west) west of storage tanks
6 aliquots 0-2" piled up oily material

ENVIRONMENTAL PROTECTION AGENCY - REGION VII
SURVEILLANCE AND ANALYSIS DIVISION, 25 FUNSTON ROAD, KANSAS CITY, KANSAS 64115

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STORE # 300771

DESCRIPTION Economy Products and ~~Capital Oil~~
Omaha, Nebraska

GRAB SAMPLE DATA							
ID#	TEMP °C	PH	DO	TICAL COI	OIL & GREASE	OTHER	OTHER
<input type="checkbox"/> 00059 (GPM)	AIR 00070	WATER 00010					
COLLECTION DATE	YY <u>84</u>	MO <u>July</u>	DAY <u>14</u>	TIME <u>0830</u>	SAMPLE NAME CODE	LAB NO	<u>AQ1838</u>
COLLECTION DATE	YY _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO	
COLLECTION DATE	YY _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO	
COLLECTION DATE	YY _____	MO _____	DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO	

COMPOSITE SAMPLE DATA

BEGIN DATE YY _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YY _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGF _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME CODE _____

WATER CHEMISTRY				LABORATORY		LAB NO
SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	MOBIL	REGION	ANALYSES	
2-1/2 gal	Purple	None, iced		X	Extractable Organics (A/B & N) Pesticides (R/B)	
1 - VOA set	Limne	None, iced		X	VOA Priority pollutants	
1 cub. tainer	White	HNO ₃ , iced		X	Total Metals Tasks 1, 2, & 3	
1 cub. tainer	Gray	HNO ₃ , iced		X	Dissolved Metals (Tasks 1, 2, & 3)	

CONTACT S. P. Martin, E & E SAMPLE TIF SPLIT NO

REMARKS low concentration environmental water sample

1/2 gal lot # 13350011 pH = 7.4
 VOA lot # _____ T°C = 19°C
 conductivity = 950 umhos

Well # 1 (Background)

STATION IDENTIFICATION

SURVEY NO. _____ SURVEY LEADER Martin STORE NO. 300772
 DESCRIPTION Economy Products
Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DD	TICAL CODE	OH & GREASE	OTHER	OTHER
<input type="checkbox"/> 00059 (GPM)	AIR 00070	WATER 00010					
COLLECTION DATE		YR <u>84</u> MO <u>July</u> DAY <u>14</u>	TIME <u>0930</u>	SAMPLE NAME CODE	LAB NO. <u>AQ1839</u>		
COLLECTION DATE		YR _____ MO _____ DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO. _____		
COLLECTION DATE		YR _____ MO _____ DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO. _____		
COLLECTION DATE		YR _____ MO _____ DAY _____	TIME _____	SAMPLE NAME CODE	LAB NO. _____		

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO. _____
 END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____
 FLOW RATE _____ MGF _____ 1000 L OF GAL DURING COMPOSITE PERIOD SAMPLE NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
2-1/2 gal	Purple	None, iced		X	Extractable organics (A/B & N) Pesticides (P/B)
1 - VOA set	Limn	None, iced		X	VOA Priority pollutants
1 cubitainer	White	HNO ₃ , iced		X	Total Metals Tasks 1, 2, & 3
1 cubitainer	Gray	HNO ₃ , iced		X	Dissolved Metals (Tasks 1, 2, & 3)

CONTACT S.P. Martin, E&E SAMPLE SPLIT YES NO Union Pacific
 REMARKS low concentration environmental water sample

1/2 gal lot # 13350011 pH = 7.05
 VOA lot # _____ T°C = 17°C
 conductivity = 1225 µmhos
Monitoring well # 2

STATION IDENTIFICATION 300773

SURVEY NO _____ SURVEY LEADER Martin STORE NO _____

DESCRIPTION Economy Products - Omaha, Nebraska

GRAB SAMPLE DATA							
FLOW	TEMP °C		PH	DO	HEAVY METALS	OIL & GREASE	OTHER
<input type="checkbox"/> 00030 (OPM)	AIR	WATER					
<input type="checkbox"/> 00061 (CFR)	00020	00010					
COLLECTION DATE		YE <u>84</u>	MO <u>July</u>	DAY <u>13</u>	TIME <u>1000</u>	SAMPLER NAME CODE	LAB NO <u>AQ1840</u>
COLLECTION DATE		YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____
COLLECTION DATE		YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____
COLLECTION DATE		YE _____	MO _____	DAY _____	TIME _____	SAMPLER NAME CODE	LAB NO _____

COMPOSITE SAMPLE DATA

BEGIN DATE YE _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YE _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGD _____ 1000 L OF GAL DURING COMPOSITE PERIOD SAMPLER NAME CODE _____

WATER CHEMISTRY			LABORATORY		LAB NO <u>AQ1840</u>
SAMPLE CONTAINED	TAG COLOR	PRESERVATIVE	MOBILE	REGION	ANALYSIS
<u>1- UOA</u>	<u>lime</u>	<u>Ice</u>		<u>X</u>	<u>volatile organics Priority pollutants</u>

CONTACT S.P. Martin, ESE SAMPLE YES SPLIT NO

REMARKS Field Blank

STATION IDENTIFICATION

SURVEY NO _____ SURVEY LEADER Martin STORE NO 300774

DESCRIPTION Economy Products - Omaha, Nebraska

GRAB SAMPLE DATA

FLOW	TEMP °C	PH	DO	FECAL COLI	OIL & GREASE	DIBP	OTHER
<input type="checkbox"/> 00039 (GPM)	AIR						
<input type="checkbox"/> 00041 (CFE)	00020	00010					

COLLECTION DATE YR 84 MO July DAY 13 TIME 1000 SAMPLER NAME CODE _____ LAB NO AQ1841

COLLECTION DATE YR _____ MO _____ DAY _____ TIME _____ SAMPLER NAME CODE _____ LAB NO _____

COLLECTION DATE YR _____ MO _____ DAY _____ TIME _____ SAMPLER NAME CODE _____ LAB NO _____

COLLECTION DATE YR _____ MO _____ DAY _____ TIME _____ SAMPLER NAME CODE _____ LAB NO _____

COMPOSITE SAMPLE DATA

BEGIN DATE YR _____ MO _____ DAY _____ TIME _____ LAB NO _____

END DATE YR _____ MO _____ DAY _____ TIME _____ EQUIPMENT CODE _____

FLOW RATE _____ MGD _____ 1000 L OF GAL DURING COMPOSITE PERIOD _____ SAMPLER NAME CODE _____

WATER CHEMISTRY

SAMPLE CONTAINER	TAG COLOR	PRESERVATIVE	LABORATORY		ANALYSIS
			MOBILE	REGION	
<u>2-1/2 gal.</u>	<u>Purple</u>	<u>Ice</u>		<u>X</u>	<u>Extractable Organics (A/B/S/N) Pesticides</u>

CONTACT S. P. Martin, EPE SAMPLE YES SPLIT NO

REMARKS Field Blank

APPENDIX 4

ACCESS AGREEMENTS
ADDRESSES OF PROPERTY OWNERS

APPENDIX 4
Addresses of Interested Parties:

Mr. Robert L. Sink Manager, Quality Control Division Omaha Public Works Department 5600 South 10th Street Omaha, NE 68107 (402) 734-6060	Samples: AQ1801 and 02, AQ1825
Mr. Peter Starke, Treasurer OHARCO Distributors 1144 N. 11th Street Omaha, NE 68102 (402) 342-4489	Samples: AQ1803 thru 05, AQ1822 thru 24
Mr. K.D. Carter Environmental Procedures Union Pacific Railroad 605 N. 13th Street Omaha, NE 68179 (402) 271-4897	Samples: AQ1806 thru 09, AQ1819 thru 21, AQ1828 and 29, AQ1834 and 35, AQ1838 and 39 AQ1820 thru 22
Mr. William B. Webster John B. Webster Company 105 So. 70th Street, Suite 200 Omaha, NE 68132 (402) 558-1177	Samples: AQ1803 thru 05, AQ1810 thru 18, AQ1822 thru 24, AQ1831 thru 33, AQ1306 thru 13, AQ1317 and 18
Aashton Wholesale Service, Inc. 1218 Nicholas Street Omaha, NE 68179	Samples: AQ1826 and 27
Mr. Kenneth Sacks Perkins, Sacks, and Hannan 215 So. Main Street Council Bluffs, IA 51501 (712) 328-1575 attorney for Mr. George Money, owner of: Economy Products Company Box 427 (home address) Shenandoah, IA 51602 (712) 246-4677	Samples: AQ1810 thru 18, AQ1831 thru 33, AQ1836 and 37, AQ1314 thru 16
Mr. Wasayne Case, General Counsel Radium Petroleum Company P.O. Box 3220 Shawnee, KS 66203 (913) 631-3300 attorney for Capitol Oil Company: manager: Mr. Richard Stephens Capitol Oil Company 1128 N. 11th Street Omaha, NE 68102 (402) 346-7441	Samples: AQ1300 thru 1318

300777

Sharon:

They say a map
is enclosed. It
was not.

The letter (envel-
ope) wasn't sealed.

I called them on
6-22-84 he said he
would send the map.

300777

631-3300 6-25-85

Map never sent spm

RADIUM PETROLEUM COMPANY

PROMPT WASTE OIL PICKUP

Help Refine America's Natural Resources

June 18, 1984

Ecology and Environment, Inc.
Fairway West Office Building
4350 Johnson Drive
Shawnee Mission, Kansas 66205

Attn: Sharon P. Martin

Re: Radium Petroleum Company
dba Capital Oil Company
Omaha, Nebraska

300778

Dear Ms. Martin:

Enclosed herein you will find a copy of the site sketch map reflecting the general location of the property owned by our company. This facility processes and stores waste oil, and is not an E.P.A. hazardous waste facility. There is no SPCC plan in effect at this facility, as we do not believe that any spillage of oil that occurs at this site could reasonably be expected to discharge into or upon the navigable water of the United States or adjoining shorelines.

It is my understanding your agency will be in Omaha, Nebraska sometime during the week of July 9, 1984, and that as you take samples of soil and water at our facility, a split sample will be given to our manager, Mr. Dick Stephens. Please indicate the date you will be at the facility, so we can insure that Mr. Stephens will be available.

Sincerely,



Mr. C. Wayne Case
General Counsel

cc: Mr. Ronald D. Deffenbaugh
Mr. Dick Stephens, Capital Oil Company

RECEIVED

JUN 19 1984

E & E K.C.K.

JOHN R. WEBSTER COMPANY
108 SOUTH 70TH STREET, SUITE 200
OMAHA, NEBRASKA 68132

300779

June 14, 1984

Ms. Sharon P. Martin
Ecology and Environment, Inc.
Fairway West Office Bldg
4350 Johnson Drive
Shawnee Mission, Kansas 66205

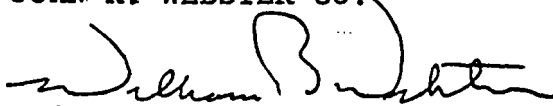
Dear Ms. Martin:

Enclosed you will find the map which you sent to me, which I have outlined in red the property owned by the John R. Webster Co.

I am very pleased that someone is making an effort to stop pollution of this type. I will be most interested in seeing the results of your test.

Very truly yours,

JOHN R. WEBSTER CO.


William B. Webster
President

WBW:qdb
ENC.

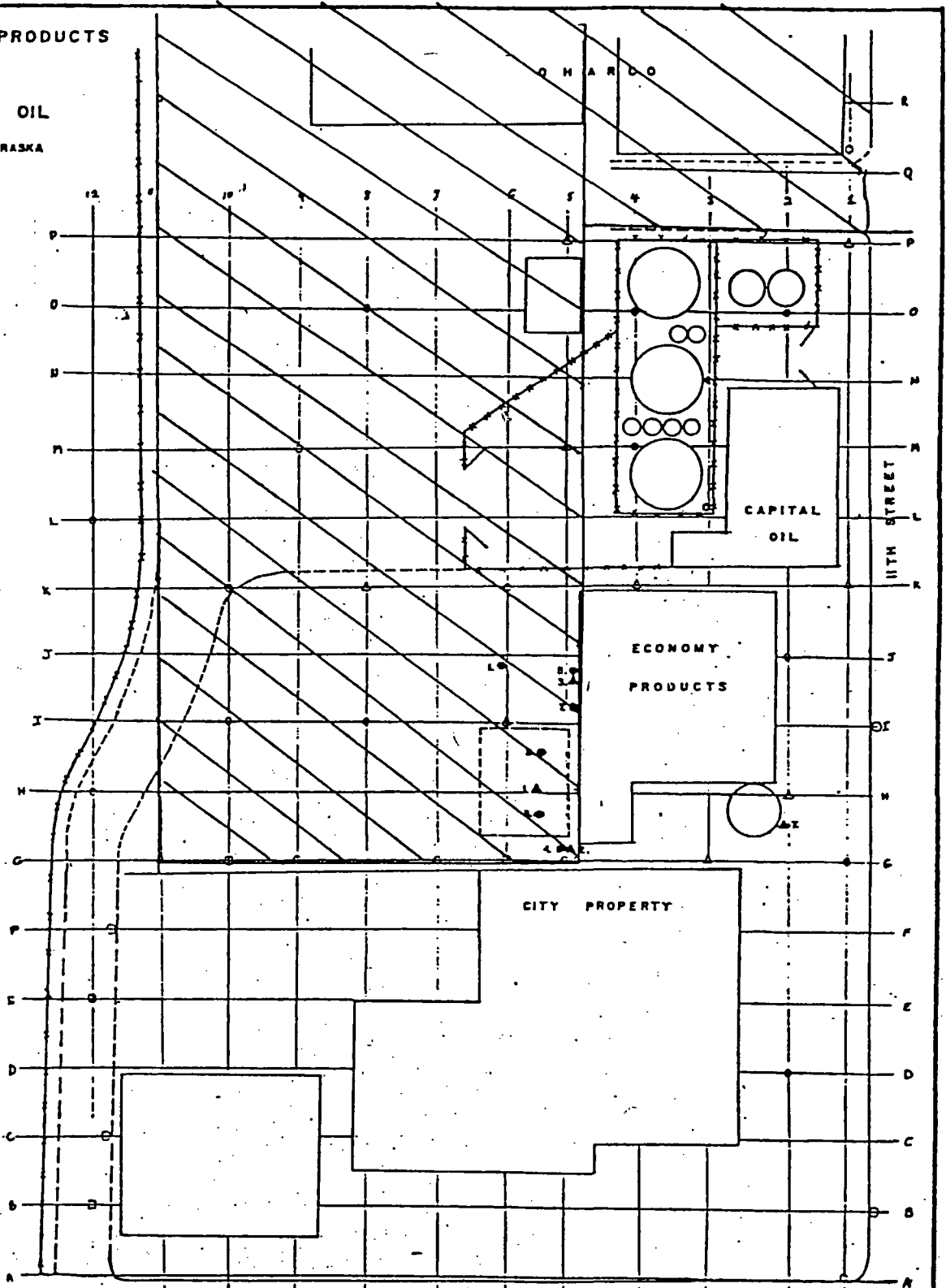
RECEIVED

JUN 18 1984

E&E K.C.K.

ECONOMY PRODUCTS
and
CAPITAL OIL
OMAHA, NEBRASKA

John D. Webster Co. Property



PROPOSED SAMPLING
SOIL SAMPLES:
●-12 INCHES
○△ 4 ALIQUOTS
○ 2 ALIQUOTS
■-24, 24-36, and 36-48 INCHES:
△ 1 ALIQUOT
SEDIMENT SAMPLES:
○ 1 ALIQUOT
SURFACE WATER SAMPLES:
□ 1 ALIQUOT

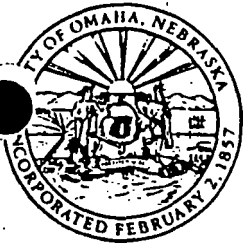
● NDEC NOV. 82 SAMPLING
△ NDEC JAN. 83 SAMPLING

0 30 60 FEET

PREPARED MAY 2, 1984
BY S.P. MARTIN, P.E.
FOR EPA REGION VI
TDB 8-87-0403-08 and 09

Sketch map of the Economy Products and Capitol Oil sites showing locations of previous sampling and proposed sampling.

300781



City of Omaha

Michael Boyle, Mayor

Public Works
Department

Omaha/Douglas Civic Center
1819 Farnam Street, Suite 600
Omaha, Nebraska 68183
(402) 444-5220

James H. Suttle, P.E.
Director

June 4, 1984

Quality Control Division
5600 South 10th Street
Omaha, NE 68107

Ms. Sharon Martin
4350 Johnson Drive
Shawnee Mission, KS 66205

Dear Ms. Martin:

As per our May 31 conversation, this letter is to certify the authorization by the City of Omaha for EPA representatives to enter the property located at 11th & Nicholas Street for the purpose of obtaining samples including but not limited to soil, atmosphere and water during the 2nd week in July.

If you would like a representative of the City to accompany you, please contact me at (402) 733-5465.

Sincerely,

Robert L. Sink
Manager
Quality Control Division

RLS/pc

RECEIVED

JUN 13 1984

E & E K.C.K.

300782



City of Omaha
Michael Boyle, Mayor

Public Works
Department

Omaha/Douglas Civic Center
1819 Farnam Street, Suite 600
Omaha, Nebraska 68183
(402) 444-5220

James H. Suttle, P.E.
Director

June 22, 1984

Quality Control Division
5600 South 10th Street
Omaha, NE 68107

Ms. Sharon P. Martin
Ecology and Environment, Inc.
Fairway West Office Bldg.
4350 Johnson Drive
Shawnee Mission, Kansas 66205

Dear Ms. Martin:

In your letter dated June 1, 1984, there was some question as to the ownership of the area west of the City buildings located at 12th & Nicholas for sample collection. The west 24 feet of 12th St. (see enclosed map) has been vacated by the City of Omaha and is currently owned by Gate City Steel Corp., 1602 No. 11th St.

Jeff Waszgis of this office has received verbal permission from Dave Gell of Gate City Steel for sample acquisition in this area. He requests that prior to sampling, your representatives contact either himself or Mr. Merle Kinkel at the 1602 No. 11th location. If you would like written authority to enter this property, you may want to contact Dave Gell at (402) 341-1830.

Please contact Jeff Waszgis if we can be of further assistance.

Sincerely,

Robert L. Sink
Robert L. Sink
Manager
Quality Control Division
City of Omaha

734-6060
Willis Hacworth
444-5511

RLS/pc

Encl.

RECEIVED

JUN 25 1984

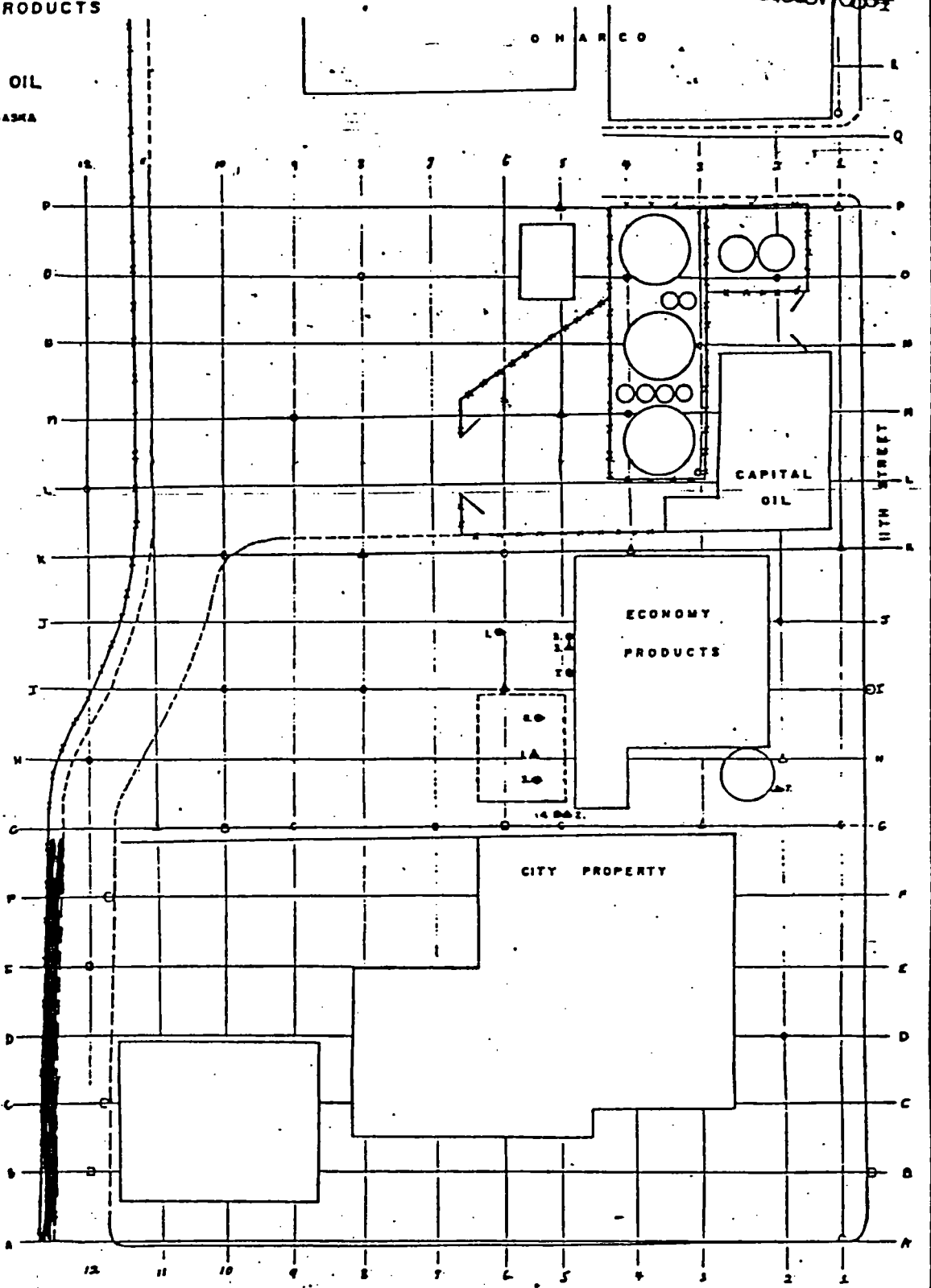
E & E K.C.K.

They don't think they own this property according to conversation of July 6, 1984

300783

Talked to Don Tetley, Union Pacific,
Omaha - (402) 271-4413 he needed info.
on the well installation in their parking lot.
He didn't see any problem and said
Mr. Terney would be in touch w/ me after
he called the supervisor of the plant.

ECONOMY PRODUCTS
and
CAPITAL OIL
OMAHA, NEBRASKA



PROPOSED SAMPLING
 SOIL SAMPLES:
 8-12 INCHES:
 ○ 4 ALIQUOTS
 ⊗ 2 ALIQUOTS
 12-24, 24-36, and 36-48 INCHES:
 △ 1 ALIQUOT
 SEDIMENT SAMPLES:
 ○ 1 ALIQUOT
 SURFACE WATER SAMPLES:
 □ 1 ALIQUOT

○ NDCC NOV. 82 SAMPLING
 △ NDCC JAN. 83 SAMPLING

0 30 60 FEET

PREPARED MAY 2, 1984
 BY: S.P. MARTIN, P.E.
 FOR: EPA REGION VII
 TDS R-87-0403-00 and 08

Sketch map of the Economy Products and Capitol Oil sites showing locations of previous sampling and proposed sampling.

300785

CONSENT FOR ACCESS TO PROPERTY

Well #1

NAME: OHARCO DISTRIBUTORS
ADDRESS: 1144 No. 11TH ST.

I. hereby give my consent to officers, employees, authorized representatives and persons acting at the request of the United States Environmental Protection Agency (EPA) to enter and have access to my property located at the above address for the following purposes:

- 1. the detection of subsurface metal and subsequent staking or otherwise identifying locations of any such subsurface metal detected;
- 2. the drilling of holes for subsurface investigation including the use of drilling rigs;
- 3. the taking of such soil, water and air samples as may be determined to be necessary; and
- 4. other actions related to the investigation of surface of subsurface contamination.

EPA ensures that upon completion of monitoring, all material and equipment will be removed from the property, and the property will be restored, as nearly as possible, to its original condition.

7/11/84
Date

[Signature] TREASURER
Signature

WITNESSES:

Date _____

Date _____

300786

Wells # 2 and

PERMIT TO BE ON AND ABOUT RAILROAD PROPERTY

Union Pacific Railroad Company (hereinafter called "Railroad Company"), hereby grants to the U.S. Environmental Protection Agency, its officers and employees, and authorized agents and contractors and their officers and employees (hereinafter individually or collectively, as the case may be, called "Permittee"), permission during normal business hours to be on and about the premises of the Railroad Company, specifically the parking lot immediately east of North 11th Street in Omaha, Nebraska, adjacent to facilities of Capitol Oil and Economy Products at 1126 and 1128 North 11th Street, Omaha, Nebraska, and the right-of-way immediately south of the Economy Products facility solely for the purposes of conducting water and soil sampling and installation, at locations acceptable to the Railroad Company, of two monitoring wells for environmental contamination which may have been released from the facilities of Capitol Oil and Economy Products or either of them. This permit, which may be revoked at any time by written notice from the Railroad Company to the Permittee, and which at all events shall become null and void upon the expiration of two weeks from the date hereof, is granted on the following conditions:

1. That each and every Permittee prior to entering upon the premises of the Railroad shall execute and deliver to the Railroad Company the RELEASE set forth below;
2. That each and every Permittee shall register personally with the Superintendent of Shops of the Railroad Company each time the Permittee enters upon the premises of the Railroad Company pursuant to this permit;
3. That the results of such sampling will be provided to the Railroad Company along with a copy of any report explaining the sampling and the results; and
4. That, upon completion of sampling and monitoring, the U.S. Environmental Protection Agency, at no expense to the Railroad Company, shall remove or cause to be removed all material and equipment and shall restore, as nearly as possible, the property of the Railroad Company to its original condition.

Dated this 12th day of July, 1984.

UNION PACIFIC RAILROAD COMPANY,

By J.R. Davis
Title Vice President - Operation

ACCEPTED:
U.S. ENVIRONMENTAL PROTECTION
AGENCY.

By Sharon J. Martin
Title Geologist, Ecology and Environment, Inc.

RELEASE

In consideration of the permit herein granted to me by the Union Pacific Railroad Company as aforesaid, I do hereby assume all risks of any and all personal injuries and loss of or damage to my property while pursuant to said permit I am on or about the tracks or other premises of or used by the Union Pacific Railroad Company, and I for myself, my heirs, executors, administrators and dependents, forever acquit, release and discharge the Union Pacific Railroad Company and all companies whose tracks and premises the Union Pacific Railroad Company may be using and any and all other carriers which may use the tracks and premises of or used by the Union Pacific Railroad Company, its and their successors and assigns and its and their officers and employes, from any and all liability of whatsoever character for any and all personal injuries and loss of or damage to property that may be sustained by me while I am on or about said tracks or other premises pursuant to said permit, no matter how said injuries or damage may arise and whether said injuries result in death or otherwise.

19 84 Dated this 12th day of July

WITNESS:

Laura Marie Roberson

PERMITTEE:

Sharon P. Martin
(Signature)

Sharon P. Martin
(Name)

Ecology & Environment, Inc.
(Organization)

4350 Johnson Drive
(Street Address)

Shawnee, KS 66205
(City, State, Zip)

PERMIT TO BE ON AND ABOUT RAILROAD PROPERTY

300783

Union Pacific Railroad Company (hereinafter called "Railroad Company"), hereby grants to the U.S. Environmental Protection Agency, its officers and employees, and authorized agents and contractors and their officers and employees (hereinafter individually or collectively, as the case may be, called "Permittee"), permission during normal business hours to be on and about the premises of the Railroad Company, specifically the parking lot immediately east of North 11th Street in Omaha, Nebraska, adjacent to facilities of Capitol Oil and Economy Products at 1126 and 1128 North 11th Street, Omaha, Nebraska, and the right-of-way immediately south of the Economy Products facility solely for the purposes of conducting water and soil sampling and installation, at locations acceptable to the Railroad Company, of two monitoring wells for environmental contamination which may have been released from the facilities of Capitol Oil and Economy Products or either of them. This permit, which may be revoked at any time by written notice from the Railroad Company to the Permittee, and which at all events shall become null and void upon the expiration of two weeks from the date hereof, is granted on the following conditions:

1. That each and every Permittee prior to entering upon the premises of the Railroad shall execute and deliver to the Railroad Company the RELEASE set forth below;
2. That each and every Permittee shall register personally with the Superintendent of Shops of the Railroad Company each time the Permittee enters upon the premises of the Railroad Company pursuant to this permit;
3. That the results of such sampling will be provided to the Railroad Company along with a copy of any report explaining the sampling and the results; and
4. That, upon completion of sampling and monitoring, the U.S. Environmental Protection Agency, at no expense to the Railroad Company, shall remove or cause to be removed all material and equipment and shall restore, as nearly as possible, the property of the Railroad Company to its original condition.

Dated this 12 day of July, 1984.

UNION PACIFIC RAILROAD COMPANY,

By J.R. Davis
Title Vice President - Operation

ACCEPTED:
U.S. ENVIRONMENTAL PROTECTION
AGENCY,

By James J. McCabe
Title Officer

RELEASE

In consideration of the permit herein granted to me by the Union Pacific Railroad Company as aforesaid, I do hereby assume all risks of any and all personal injuries and loss of or damage to my property while pursuant to said permit I am on or about the tracks or other premises of or used by the Union Pacific Railroad Company, and I for myself, my heirs, executors, administrators and dependents, forever acquit, release and discharge the Union Pacific Railroad Company and all companies whose tracks and premises the Union Pacific Railroad Company may be using and any and all other carriers which may use the tracks and premises of or used by the Union Pacific Railroad Company, its and their successors and assigns and its and their officers and employes, from any and all liability of whatsoever character for any and all personal injuries and loss of or damage to property that may be sustained by me while I am on or about said tracks or other premises pursuant to said permit, no matter how said injuries or damage may arise and whether said injuries result in death or otherwise.

19____ Dated this 11th day of July

WITNESS:

PERMITTEE:

James L. McCabe
(Signature)

JAMES L. McCABE
(Name)

Geotechnical Services
(Organization)

5730 So 86 Circle
(Street Address)

Omaha, Mo 68102
(City, State, Zip)

PERMIT TO BE ON AND ABOUT RAILROAD PROPERTY

300790

Union Pacific Railroad Company (hereinafter called "Railroad Company"), hereby grants to the U.S. Environmental Protection Agency, its officers and employees, and authorized agents and contractors and their officers and employees (hereinafter individually or collectively, as the case may be, called "Permittee"), permission during normal business hours to be on and about the premises of the Railroad Company, specifically the parking lot immediately east of North 11th Street in Omaha, Nebraska, adjacent to facilities of Capitol Oil and Economy Products at 1126 and 1128 North 11th Street, Omaha, Nebraska, and the right-of-way immediately south of the Economy Products facility solely for the purposes of conducting water and soil sampling and installation, at locations acceptable to the Railroad Company, of two monitoring wells for environmental contamination which may have been released from the facilities of Capitol Oil and Economy Products or either of them. This permit, which may be revoked at any time by written notice from the Railroad Company to the Permittee, and which at all events shall become null and void upon the expiration of two weeks from the date hereof, is granted on the following conditions:

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Dated this 12th day of July, 1984.

UNION PACIFIC RAILROAD COMPANY,

By J. R. Davis
Title Vice President - Operation

ACCEPTED:
U.S. ENVIRONMENTAL PROTECTION
AGENCY,

By Nery L. VanDyke
Title Geologist
Geotechnical Services

RELEASE

In consideration of the permit herein granted to me by the Union Pacific Railroad Company as aforesaid, I do hereby assume all risks of any and all personal injuries and loss of or damage to my property while pursuant to said permit I am on or about the tracks or other premises of or used by the Union Pacific Railroad Company, and I for myself, my heirs, executors, administrators and dependents, forever acquit, release and discharge the Union Pacific Railroad Company and all companies whose tracks and premises the Union Pacific Railroad Company may be using and any and all other carriers which may use the tracks and premises of or used by the Union Pacific Railroad Company, its and their successors and assigns and its and their officers and employees, from any and all liability of whatsoever character for any and all personal injuries and loss of or damage to property that may be sustained by me while I am on or about said tracks or other premises pursuant to said permit, no matter how said injuries or damage may arise and whether said injuries result in death or otherwise.

19 84 Dated this 11th day of July

WITNESS:

Kenneth Marie Robinson

PERMITTEE:

Gary L. VanDerSlice
(Signature)

Gary L. VanDerSlice
(Name)

Geotechnical Services
(Organization)

5730 S. 86th Circle
(Street Address)

Omaha NE 68131
(City, State, Zip)

PERMIT TO BE ON AND ABOUT RAILROAD PROPERTY

300792

Union Pacific Railroad Company (hereinafter called "Railroad Company"), hereby grants to the U.S. Environmental Protection Agency, its officers and employees, and authorized agents and contractors and their officers and employees (hereinafter individually or collectively, as the case may be, called "Permittee"), permission during normal business hours to be on and about the premises of the Railroad Company, specifically the parking lot immediately east of North 11th Street in Omaha, Nebraska, adjacent to facilities of Capitol Oil and Economy Products at 1126 and 1128 North 11th Street, Omaha, Nebraska, and the right-of-way immediately south of the Economy Products facility solely for the purposes of conducting water and soil sampling and installation, at locations acceptable to the Railroad Company, of two monitoring wells for environmental contamination which may have been released from the facilities of Capitol Oil and Economy Products or either of them. This permit, which may be revoked at any time by written notice from the Railroad Company to the Permittee, and which at all events shall become null and void upon the expiration of two weeks from the date hereof, is granted on the following conditions:

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3. That the results of such sampling will be provided to the Railroad Company along with a copy of any report explaining the sampling and the results; and
4. That, upon completion of sampling and monitoring, the U.S. Environmental Protection Agency, at no expense to the Railroad Company, shall remove or cause to be removed all material and equipment and shall restore, as nearly as possible, the property of the Railroad Company to its original condition.

Dated this 12 day of JULY, 1984.

UNION PACIFIC RAILROAD COMPANY,

By J. R. Davis
Title Vice President - Operation

ACCEPTED:
U.S. ENVIRONMENTAL PROTECTION
AGENCY,

By L. D. Hill
Title DRILLERS HELPER

RELEASE

In consideration of the permit herein granted to me by the Union Pacific Railroad Company as aforesaid, I do hereby assume all risks of any and all personal injuries and loss of or damage to my property while pursuant to said permit I am on or about the tracks or other premises of or used by the Union Pacific Railroad Company, and I for myself, my heirs, executors, administrators and dependents, forever acquit, release and discharge the Union Pacific Railroad Company and all companies whose tracks and premises the Union Pacific Railroad Company may be using and any and all other carriers which may use the tracks and premises of or used by the Union Pacific Railroad Company, its and their successors and assigns and its and their officers and employes, from any and all liability of whatsoever character for any and all personal injuries and loss of or damage to property that may be sustained by me while I am on or about said tracks or other premises pursuant to said permit, no matter how said injuries or damage may arise and whether said injuries result in death or otherwise.

19 84 Dated this 12 day of JULY

WITNESS:

PERMITTEE:

LEROY D. HIRSH
(Signature)

LEROY D. HIRSH
(Name)

GEO-TECHNICAL SERVICES
(Organization)

5730 50 86TH CIRCLE
(Street Address)

OMAHA NE 68127
(City, State, Zip)

PERMIT TO BE ON AND ABOUT RAILROAD PROPERTY

Union Pacific Railroad Company (hereinafter called "Railroad Company"), hereby grants to the U.S. Environmental Protection Agency, its officers and employees, and authorized agents and contractors and their officers and employees (hereinafter individually or collectively, as the case may be, called "Permittee"), permission during normal business hours to be on and about the premises of the Railroad Company, specifically the parking lot immediately east of North 11th Street in Omaha, Nebraska, adjacent to facilities of Capitol Oil and Economy Products at 1126 and 1128 North 11th Street, Omaha, Nebraska, and the right-of-way immediately south of the Economy Products facility solely for the purposes of conducting water and soil sampling and installation, at locations acceptable to the Railroad Company, of two monitoring wells for environmental contamination which may have been released from the facilities of Capitol Oil and Economy Products or either of them. This permit, which may be revoked at any time by written notice from the Railroad Company to the Permittee, and which at all events shall become null and void upon the expiration of two weeks from the date hereof, is granted on the following conditions:

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4. That, upon completion of sampling and monitoring, the U.S. Environmental Protection Agency, at no expense to the Railroad Company, shall remove or cause to be removed all material and equipment and shall restore, as nearly as possible, the property of the Railroad Company to its original condition.

Dated this 12th day of July, 1984.

UNION PACIFIC RAILROAD COMPANY,

By J.R. Davis
Title Vice President - Operation

ACCEPTED:
U.S. ENVIRONMENTAL PROTECTION
AGENCY,

By Kenna Eoberson
Title Geological Engineer

RELEASE

In consideration of the permit herein granted to me by the Union Pacific Railroad Company as aforesaid, I do hereby assume all risks of any and all personal injuries and loss of or damage to my property while pursuant to said permit I am on or about the tracks or other premises of or used by the Union Pacific Railroad Company, and I for myself, my heirs, executors, administrators and dependents, forever acquit, release and discharge the Union Pacific Railroad Company and all companies whose tracks and premises the Union Pacific Railroad Company may be using and any and all other carriers which may use the tracks and premises of or used by the Union Pacific Railroad Company, its and their successors and assigns and its and their officers and employees, from any and all liability of whatsoever character for any and all personal injuries and loss of or damage to property that may be sustained by me while I am on or about said tracks or other premises pursuant to said permit, no matter how said injuries or damage may arise and whether said injuries result in death or otherwise.

19 84 Dated this 11th day of July

WITNESS:

Sony L. [Signature]

PERMITTEE:

Kenna Marie Roberson
(Signature)

Kenna Marie Roberson
(Name)

Ecology & Environment
(Organization)

4350 JOHNSON DR.
(Street Address)

Shawnee Mission KS 66205
(City, State, Zip)

APPENDIX 5

LABORATORY (ANALYTICAL)
RAW DATA

ECONOMY PRODUCTS/CAPITOL OIL
(AQ1800 AND AQ1300 SERIES)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 7
25 FUNSTON ROAD
KANSAS CITY, KANSAS 66115

July 10, 1984

MEMORANDUM

SUBJECT: Analysis of Sample Number AQ1801 from Economy Products Site, Omaha, Nebraska

FROM: Charles P. Hensley *CPH*
Chief, Laboratory Branch, ENSV

TO: William J. Keffer
Chief, Emergency Planning and Response Branch, ENSV

ATTN: Paul E. Doherty
Acting Chief, Site Investigation Section, ENSV

actual AQ1801 (SPM)

We have analyzed the subject sample as requested in your memorandum of July 3, 1984. The sample was received on July 5, 1984, at 8:30 a.m. The sample contained a brown oily liquid phase over a discolored aqueous phase. The oil made up about one-third of the total volume of sample. The oil was diluted into isooctane and characterized by gas chromatography/mass spectrometry and gas chromatography/electron capture detection. The oil contained toxaphene at a concentration of approximately one percent by weight. A small amount (less than 0.1 percent) of gamma-BHC (Lindane) was also detected. The oil carrier appeared to be a light petroleum product such as kerosene or fuel oil.

cc: Roberdes

EPA METALS ANALYSIS DATA - REGION 7 LABORATORY - KANSAS CITY
 ECONOMY PRODUCE STUDY
 20 JULY 84 METHOD: ICP

CRS 284

DLB

LAB NUMBER	AD1800*	AD1800**	
SILVER UC/L	< 5	< 5	* aqueous layer not digest
ALUMINUM UC/L	53	2330	** organic layer not digest
ARSENIC UC/L	< 50	109 AA 4 Me	
BARIUM UC/L	54	2920	
BERYLLIUM UC/L	< 2	< 2	
CADMIUM UC/L	< 2	21	
COBALT UC/L	< 5	9	
CHROMIUM UC/L	< 5	184	
COPPER UC/L	< 10	375	
IRON UC/L	479	14900	
MANGANESE UC/L	53	271	
MOLYBDENUM UC/L	< 5	30	
NICKEL UC/L	< 20	59	
LEAD UC/L	284	15700	
ANTIMONY UC/L			
SELENIUM UC/L			
TITANIUM UC/L			
THALLIUM UC/L			
VANADIUM UC/L			
ZINC UC/L		1000	
CALCIUM MG/L	7	26	
MAGNESIUM MG/L	< 2	4	
SODIUM MG/L	< 2	< 2	
POTASSIUM MG/L	< 2	< 2	
MERCURY UC/L			

300799

3
6/1/84

ECONOMY PRODUCTS, OMAHA, NE.

MAT. P/L

UNITS: MG/KG

ANAL TYPE: PESTICIDES

DATE: 1/6/84

METHOD: 8041 H70

ANALYST: CM

LAB: EPA, 7

#	COMPOUND	CAS	DETECTION LIMITS			AQ1800	
			WATER	FISH	SED		
1	B ENDOSULFAN	33213-65-9	.025	.005	2	200000 U	
2	A BHC	319-84-6	.0075	.0015	.6	60000 U	
3	G BHC	58-89-9	.008	.002	.65	205000 U	201.5 ppm (Lindane)
4	B BHC	319-85-7	.015	.003	1.5	150000 U	
5	ALDRIN	309-00-2	.02	.004	2	200000 U	
6	HEPTACHLOR	76-44-8	.008	.002	.65	65000 U	
7	HEPTACHLOR EPOXIDE	1024-57-3	.0065	.0015	.55	55000 U	
8	A ENDOSULFAN	959-98-8	.015	.003	1.5	150000 U	
9	DIELDRIN	60-57-1	.035	.007	3	300000 U	
10	4,4'-DDE	72-55-9	.02	.004	2	200000 U	
11	4,4'-DDD	72-54-8	.025	.005	2	325000 U	325 ppm (4,4'-DDD)
12	4,4'-DDT	50-29-3	.045	.009	4	400000 U	
13	ENDRIN	72-20-8	.025	.005	2	200000 U	
14	ENDOSULFAN SULFATE	1031-07-8	.05	.01	4	400000 U	
15	D BHC	319-86-8	.0075	.0015	.6	60000 U	
16	CHLORDANE	57-74-9	.15	.03	15	1500000 U	
17	TOXAPHENE	8001-35-2	.2	.04	20	2178000 U	= 1.1870 (Toxaphene)
18	PCB 1242	53469-21-9	.35	.07	30	3000000 U	
19	PCB 1254	11097-69-1	.4	.08	35	3500000 U	
20	PCB 1221	11104-28-2	.3	.06	25	2500000 U	
21	PCB 1232	11141-16-5	.1	.02	10	1000000 U	
22	PCB 1248	12672-29-6	.35	.07	30	3000000 U	
23	PCB 1260	11096-82-5	.1	.02	10	1000000 U	
24	PCB 1016	12674-11-2	.35	.07	30	3000000 U	
25	2,3,7,8-TCDD	1746-01-6	.1	.02	10	1000000 U	
26	ENDRIN ALDEHYDE	7421-93-4	.04	.008	3.5	350000 U	

300800

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE 6-12-85

300801

SUBJECT Transmittal of Laboratory Data

FROM Charles P. Hensley ^{CPH}
Chief, Laboratory Branch, ENSV

TO Keffer

Attn: Doherty

Analyses have been completed for the following activities and the data results are attached.

Pesticides - soil (all) no water

Activity No.	Description
AQ 18	Economy Products
	(completes transmittal of 1/30/85)

Attachments

cc: Data Files

RECEIVED

JUN 17 1985

E & E K.C.K.

DATA QUALIFIERS FOR EPA REGION VII

U not detected. For EPA VII lab data U is applied only in conjunction with detection limits. For contract lab data it is applied to contract required limits.

M The value indicated is below the quantitation limit but above the detection limit.

J The value is of unknown quality. Approximate value.

I analysis attempted but no result can be reported.

ANALYSIS TYPE: PESTICIDES

300803

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 ANALYST: EAL
 METHOD PEF:----- ANALYST/ENTRY: E20

MATRIX: SEDIMENT
 METHOD: 9302M01
 REVIEWER: *ELS* *CA*

UNITS: UG/KG
 CASE: 1209G
 DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AQ130000		AQ180001		AQ180002		AQ180003	
ALPHA-BHC	120	U	140	J	3750	M	2.00	U
BETA-BHC	120	U	120	U	10.0	U	2.00	U
DELTA-BHC	1700	J	120	U	7710	M	2870	J
GAMMA-BHC	120	U	120	U	10.0	U	1100	J
HEPTACHLOR	740	J	120	U	10.0	U	2.00	U
ALDRIN	120	U	120	U	10.0	U	4.00	J
HEPTACHLOR EPOXIDE	120	U	120	U	1470	J	2.00	U
ENDOSULFAN I	120	U	120	U	10.0	U	2.00	U
DIELDRIN	1400	J	240	U	2770	J	4.00	U
474-DDE	1300	J	240	U	20.0	U	4.00	U
ENDRIN	1400	J	240	U	1670	J	4.00	U
ENDOSULFAN II	940	J	240	U	3970	J	4.00	U
474-DDD	800	J	240	U	30.0	J	4.00	U
ENDRIN ALDEHYDE	240	U	240	U	20.0	U	4.00	U
ENDOSULFAN SULFATE	240	U	240	U	20.0	U	4.00	U
474-DDT		I	240	U	7870	J		I
ENDRIN KETONE	240	U	240	U	20.0	U	4.00	U
METHOXYCHLOR	1200.	U	1200.	U	100	U	20.0	U
ORDANE	1200.	U	1200.	U	100	U	20.0	U
APHENE	2400	J	200	J	200	J	1100	J
AROCLOR-1016	1200.	U	1200.	U	100	U	20.0	U
AROCLOR-1221	1200.	U	1200.	U	100	U	20.0	U
AROCLOR-1232	1200.	U	1200.	U	100	U	20.0	U
AROCLOR-1242	1200.	U	1200.	U	100	U	20.0	U
AROCLOR-1248	1200.	U	1200.	U	100	U	20.0	U
AROCLOR-1254	2400.	U	2400.	U	200	U	40.0	U
AROCLOR-1260	2400.	U	2400.	U	200	U	40.0	U

300804

ANALYSIS TYPE: PESTICIDES

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
EAL
LE PREP:----- ANALYST/ENTRY: E20

MATRIX: SEDIMENT
METHOD: 9302M01
REVIEWER: *KS* *EF*

UNITS: UG/KG
CASE: 1209G
DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AR180004	AR180005	AR180006	AR180007
ALPHA-BHC	2.00 U	120 U	80.0 U	80.0 U
BETA-BHC	2.00 U	120 U	80.0 U	80.0 U
DELTA-BHC	2.00 U	120 U	80.0 U	80.0 U
GAMMA-BHC	2.00 U	120 U	80.0 U	80.0 U
HEPTACHLOR	2.00 U	120 U	80.0 U	80.0 U
ALDRIN	2.00 U	120 U	80.0 U	80.0 U
HEPTACHLOR EPOXIDE	2.00 U	120 U	80.0 U	80.0 U
ENDOSULFAN I	2.00 U	120 U	80.0 U	80.0 U
DIELDRIN	4.00 U	240 U	160 U	160 U
4,4'-DDE	4.00 U	240 U	160 U	160 U
ENDRIN	4.00 U	240 U	160 U	160 U
ENDOSULFAN II	4.00 U	240 U	160 U	160 U
4,4'-DDD	4.00 U	240 U	160 U	160 U
ENDRIN ALDEHYDE	4.00 U	240 U	160 U	160 U
ENDOSULFAN SULFATE	4.00 U	240 U	160 U	160 U
4,4'-DDT	I	240 U	160 U	160 U
ENDRIN KETONE	4.00 U	240 U	160 U	160 U
DITHOXYCHLOR	20.0 U	1200. U	800 U	800 U
ORDANE	20.0 U	1200. U	800 U	800 U
GRAPHENE	1500. U	2400. U	8000. U	2400. U
AROCLOR-1016	20.0 U	1200. U	800 U	800 U
AROCLOR-1221	20.0 U	1200. U	800 U	800 U
AROCLOR-1232	20.0 U	1200. U	800 U	800 U
AROCLOR-1242	20.0 U	1200. U	800 U	800 U
AROCLOR-1248	20.0 U	1200. U	800 U	800 U
AROCLOR-1254	40.0 U	2400. U	1600. U	1600. U
AROCLOR-1260	40.0 U	2400. U	1600. U	1600. U

ANALYSIS TYPE: PESTICIDES

300805'

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 AP: EAL
 E PREF: ----- ANALYST/ENTRY: E20

MATRIX: SEDIMENT
 METHOD: 9302M01
 REVIEWER: GCS UK

UNITS: UG/KG
 CASE: 1209G
 DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AR180008	AR180009	AR180010	AR180011
ALPHA-BHC	120 U	20.0 U	20.0 U	10.0 U
BETA-BHC	120 U	20.0 U	20.0 U	10.0 U
DELTA-BHC	120 U	160	90	19.0
GAMMA-BHC	120 U	20.0 U	20.0 U	10.0 U
HEPTACHLOR	120 U	20.0 U	160	10.0 U
ALDRIN	120 U	130	170	22.0
HEPTACHLOR EPOXIDE	120 U	20.0 U	20.0 U	19.70
ENDOSULFAN I	120 U	20.0 U	20.0 U	10.0 U
DIELDRIN	240 U	40.0 U	40.0 U	20.0 U
4,4'-DDE	240 U	40.0 U	40.0 U	20.0 U
ENDRIN	240 U	40.0 U	40.0 U	25.0
ENDOSULFAN II	240 U	40.0 U	40.0 U	24.0
4,4'-DDD	240 U	40.0 U	40.0 U	24.0
ENDRIN ALDEHYDE	240 U	40.0 U	40.0 U	20.0 U
ENDOSULFAN SULFATE	240 U	40.0 U	40.0 U	25.0
4,4'-DDT	I	I	I	I
ENDRIN KETONE	240 U	40.0 U	40.0 U	20.0 U
1,1-DIOXYCHLOR	1200. U	200 U	200 U	100 U
1,1-DICHLOROCYCLOHEXANE	1200. U	200 U	200 U	100 U
1,1-DICHLOROCYCLOHEXENE	2400.	400 U	1500.	200 U
AROCFLOR-1016	1200. U	200 U	200 U	100 U
AROCFLOR-1221	1200. U	200 U	200 U	100 U
AROCFLOR-1232	1200. U	200 U	200 U	100 U
AROCFLOR-1242	1200. U	200 U	200 U	100 U
AROCFLOR-1248	1200. U	200 U	200 U	100 U
AROCFLOR-1254	2400. U	400 U	400 U	200 U
AROCFLOR-1260	2400. U	400 U	400 U	200 U

ANALYSIS TYPE: PESTICIDES

300806

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 EAL
 E PREP: _____ ANALYST/ENTRY: E20

MATRIX: SEDIMENT
 METHOD: 9302M01
 REVIEWER: *ELS GK*

UNITS: UG/KG
 CASE: 1209G
 DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AR180012	AR180013	AR180015	AR180016
ALPHA-BHC	10.0 U	120 U	120 U	40.0 U
BETA-BHC	10.0 U	120 U	1400.0 U	40.0 U
DELTA-BHC	70.0 U	120 U	120 U	270.0 U
GAMMA-BHC	10.0 U	120 U	240.0 U	40.0 U
HEPTACHLOR	10.0 U	120 U	300.0 U	40.0 U
ALDRIN	30.0 U	120 U	120 U	310.0 U
HEPTACHLOR EPOXIDE	10.0 U	120 U	120 U	40.0 U
ENDOSULFAN I	10.0 U	120 U	120 U	40.0 U
DIELDRIN	20.0 U	240 U	240 U	80.0 U
4,4'-DDE	20.0 U	240 U	240 U	80.0 U
ENDRIN	20.0 U	240 U	240 U	80.0 U
ENDOSULFAN II	20.0 U	240 U	240 U	82.0 U
4,4'-DDD	20.0 U	240 U	240 U	77.0 U
ENDRIN ALDEHYDE	20.0 U	240 U	240 U	80.0 U
ENDOSULFAN SULFATE	20.0 U	240 U	240 U	80.0 U
4,4'-DDT	20.0 U		I I	80.0 U
ENDRIN KETONE	20.0 U	240 U	240 U	80.0 U
METHOXYCHLOR	100 U	1200. U	1200. U	400 U
ORDANE	100 U	1200. U	1200. U	400 U
AROCOR-1016	100 U	1200. U	1200. U	400 U
AROCOR-1016	100 U	1200. U	1200. U	400 U
AROCOR-1221	100 U	1200. U	1200. U	400 U
AROCOR-1232	100 U	2800.0 U	1200. U	400 U
AROCOR-1242	100 U	1200. U	1200. U	400 U
AROCOR-1248	100 U	1200. U	1200. U	400 U
AROCOR-1254	200 U	2400. U	2400. U	800 U
AROCOR-1260	200 U	2400. U	2400. U	800 U

ANALYSIS TYPE: PESTICIDES

300807

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
EAL
LE PREP: ----- ANALYST/ENTRY: E20

MATRIX: SEDIMENT
METHOD: 9302M01
REVIEWER: ELS GN

UNITS: UG/KG
CASE: 12096
DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AR180017		AR180018		AR180019		AR180014	
ALPHA-BHC	20.0	U	62.0		120	U	120	U
BETA-BHC	20.0	U	230		840		120	U
DELTA-BHC	20.0	U	10.0	U	120	U	120	U
GAMMA-BHC	20.0	U	86.0		420		120	U
HEPTACHLOR	20.0	U	28.0		120	U	120	U
ALDRIN	20.0	U	10.0	U	120	U	120	U
HEPTACHLOR EPOXIDE	20.0	U	10.0	U	120	U	120	U
ENDOSULFAN I	20.0	U	10.0	U	120	U	120	U
DIELDRIN	40.0	U	20.0	U	240	U	240	U
4,4'-DDE	40.0	U	20.0	U	240	U	240	U
ENDRIN	40.0	U	20.0	U	240	U	240	U
ENDOSULFAN II	40.0	U	20.0	U	240	U	240	U
4,4'-DDD	40.0	U	20.0	U	240	U	240	U
ENDRIN ALDEHYDE	40.0	U	20.0	U	240	U	240	U
ENDOSULFAN SULFATE	40.0	U	20.0	U	240	U	240	U
4,4'-DDT		I		I		I		
ENDRIN KETONE	40.0	U	20.0	U	240	U	240	U
THOXYCHLOR	200	U	100	U	1200.	U	1200.	U
ORDANE	200	U	100	U	1200.	U	1200.	U
APHENE	400	U	45000		66000		2400.	U
AROCLOR-1016	200	U	100	U	1200.	U	1200.	U
AROCLOR-1221	200	U	100	U	1200.	U	1200.	U
AROCLOR-1232	200	U	100	U	1200.	U	1200.	U
AROCLOR-1242	200	U	100	U	1200.	U	1200.	U
AROCLOR-1248	200	U	100	U	1200.	U	1200.	U
AROCLOR-1254	400	U	200	U	2400.	U	2400.	U
AROCLOR-1260	400	U	200	U	2400.	U	2400.	U

ANALYSIS TYPE: PESTICIDES

300808

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 A EAL
 PREP:----- ANALYST/ENTRY: E21

MATRIX: SEDIMENT
 METHOD: 9302M01
 REVIEWER: BS SN

UNITS: UG/KG
 CASE: 1209G
 DATE: 05/31/85

SAMPLE NUMBERS ..

COMPOUND	AR180020	AR180021	AR180022	AR180023
ALPHA-BHC	120 U	120 U	2.00 U	3.30 J
BETA-BHC	700 J	400 J	2.00 U	2.00 U
DELTA-BHC	120 U	120 U	2.00 U	9.90 J
GAMMA-BHC	380 J	200 J	2.00 U	2.00 U
HEPTACHLOR	120 U	1.40 J	2.00 U	2.00 U
ALDRIN	120 U	120 U	5.00 J	16.0 J
HEPTACHLOR EPOXIDE	120 U	120 U	2.00 U	2.00 U
ENDOSULFAN I	120 U	120 U	2.00 U	2.00 U
DIELDRIN	240 U	240 U	4.00 U	39.0 J
4,4'-DDE	240 U	240 U	4.00 U	4.00 U
ENDRIN	240 U	240 U	4.00 U	31.0 J
ENDOSULFAN II	240 U	240 U	4.00 U	26.0 J
4,4'-DDD	240 U	240 U	4.00 U	22.0 J
ENDRIN ALDEHYDE	240 U	240 U	4.00 U	60.0 J
ENDOSULFAN SULFATE	240 U	240 U	6.00 J	110 J
4,4'-DDT		I	5.00 J	110 J
ENDRIN KETONE	240 U	240 U	4.00 U	4.00 U
PERMETHYLCHLOR	1200. U	1200. U	20.0 U	20.0 U
CHLORDANE	1200. U	1200. U	20.0 U	20.0 U
1,1-DIPHENE	15000. J	27000. J	40.0 U	40.0 U
AROCLOR-1016	1200. U	1200. U	20.0 U	20.0 U
AROCLOR-1221	1200. U	1200. U	20.0 U	20.0 U
AROCLOR-1232	1200. U	1200. U	20.0 U	20.0 U
AROCLOR-1242	1200. U	1200. U	20.0 U	20.0 U
AROCLOR-1248	1200. U	1200. U	20.0 U	20.0 U
AROCLOR-1254	2400. U	2400. U	40.0 U	40.0 U
AROCLOR-1260	2400. U	2400. U	40.0 U	40.0 U

ANALYSIS TYPE: PESTICIDES

300809

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 ANALYST/ENTRY: E21

MATRIX: SEDIMENT
 METHOD: 9302M01
 REVIEWER: *GLS* *EA*

UNITS: UG/KG
 CASE: 1209G
 DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AQ180024		AQ180025		AQ180026		AQ180027	
ALPHA-BHC	120	U	120	U	2.00	U	20.0	U
BETA-BHC	120	U	120	U	2.00	U	20.0	U
DELTA-BHC	120	U	120	U	2.00	U	20.0	U
GAMMA-BHC	120	U	120	U	2.00	U	20.0	U
HEPTACHLOR	120	U	120	U	2.00	U	20.0	U
ALDRIN	120	U	120	U	2.00	U	20.0	U
HEPTACHLOR EPOXIDE	120	U	120	U	2.00	U	20.0	U
ENDOSULFAN I	120	U	120	U	2.00	U	20.0	U
DIELDRIN	240	U	240	U	4.00	U	40.0	U
1,4'-DDE	240	U	240	U	4.00	U	40.0	U
ENDRIN	240	U	240	U	4.00	U	40.0	U
ENDOSULFAN II	240	U	240	U	4.00	U	40.0	U
1,4'-DDD	240	U	240	U	4.00	U	40.0	U
ENDRIN ALDEHYDE	240	U	240	U	4.00	U	40.0	U
ENDOSULFAN SULFATE	240	U	240	U	4.00	U	40.0	U
1,4'-DDT	240	U	240	U	4.00	U	40.0	U
ENDRIN KETONE	240	U	240	U	4.00	U	40.0	U
METHOXYCHLOR	1200.	U	1200.	U	20.0	U	200	U
DIURON	1200.	U	1200.	U	20.0	U	200	U
1,1'-DDE	2400.	U	2400.	U	20.0	U	200	U
AROCOR-1016	1200.	U	1200.	U	20.0	U	200	U
AROCOR-1221	1200.	U	1200.	U	20.0	U	200	U
AROCOR-1232	1200.	U	1200.	U	20.0	U	200	U
AROCOR-1242	1200.	U	1200.	U	20.0	U	200	U
AROCOR-1248	1200.	U	1200.	U	20.0	U	200	U
AROCOR-1254	2400.	U	2400.	U	40.0	U	400	U
AROCOR-1260	2400.	U	2400.	U	40.0	U	400	U

ANALYSIS TYPE: PESTICIDES

300810

FILE: ECONOMY PRODUCTS/CAPITOL OIL
 PREP:----- ANALYST/ENTRY: E21

MATRIX:--SEDIMENT
 METHOD: 9302M01
 REVIEWER: *GLS SA*

UNITS: UG/KG
 CASE: 1209G
 DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AR180028	AR180029	AR180031	AR180032
ALPHA-BHC	100.0	118.0	120	U 600 U
BETA-BHC	10.0 U	20.0 U	120	U 600.0 U
DELTA-BHC	170.0	220.0	120	U 600 U
GAMMA-BHC	10.0 U	20.0 U	120	U 6700.0 U
EPTACHLOR	10.0 U	20.0 U	120	U 480.0 U
LDRIN	380.0	184.0	120	U 600 U
EPTACHLOR EPOXIDE	10.0 U	20.0 U	120	U 600 U
NDOSULFAN I	10.0 U	20.0 U	120	U 600 U
DELTA-LDRIN	20.0 U	40.0 U	240	U 1200. U
gamma,4'-DDE	20.0 U	40.0 U	240	U 1200. U
LDRIN	20.0 U	40.0 U	240	U 1200. U
NDOSULFAN II	20.0	40.0 U	240	U 1200. U
gamma,4'-DDD	17.0	40.0 U	240	U 1200. U
LDRIN ALDEHYDE	20.0 U	40.0 U	240	U 1200. U
NDOSULFAN SULFATE	150.0	80.0	240	U 1200. U
gamma,4'-DDT	110.0		I 240	U I
LDRIN KETONE	20.0 U	40.0 U	240	U 1200. U
DELTA-DIAZINYLCHLOR	100 U	200 U	1200.	U 6000. U
DELTA-DIAZINYLURACIL	100 U	200 U	1200.	U 6000. U
DELTA-DIAZINYLPHENYL	200 U	400 U	15000.0	23000.0 U
ROCLOR-1016	100 U	200 U	1200.	U 6000. U
ROCLOR-1221	100 U	200 U	1200.	U 6000. U
ROCLOR-1232	100 U	200 U	1200.	U 6000. U
ROCLOR-1242	100 U	200 U	1200.	U 6000. U
ROCLOR-1248	100 U	200 U	1200.	U 6000. U
ROCLOR-1254	200 U	400 U	2400.	U 12000. U
ROCLOR-1260	200 U	400 U	2400.	U 12000. U

ANALYSIS TYPE: PESTICIDES

300811

TITLE: ECONOMY PRODUCTS/CAPITOL OIL

MATRIX: SEDIMENT

UNITS: UG/KG

ATL EAL

METHOD: 9302M01

CASE: 1209G

PREF: ----- ANALYST/ENTRY: E21

REVIEWER: *GLS SA*

DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AR180033	AR180034	AR180035	AR180036
ALPHA-BHC	124000	80.0 U	600	600 U
BETA-BHC	129000	1200	12000	600 U
DELTA-BHC	21000	80.0 U	12000 U	600 U
GAMMA-BHC	65000	7200	12700	600 U
HEPTACHLOR	12000. U	1200	12700	1200
ALDRIN	12000. U	80.0 U	12000. U	600 U
HEPTACHLOR EPOXIDE	12000. U	80.0 U	12000. U	600 U
ENDOSULFAN I	620000	80.0 U	12000. U	600 U
DIELDRIN	2200000	160 U	24000. U	1200. U
4,4'-DDE	1900000	160 U	24000. U	1200. U
DENDRIN	2100060	160 U	24000. U	1200. U
ENDOSULFAN II	3100060	160 U	24000. U	1200. U
4,4'-DDD	2100000	160 U	24000. U	1200. U
DENDRIN ALDEHYDE	24000. U	160 U	24000. U	1200. U
ENDOSULFAN SULFATE	24000. U	160 U	24000. U	1200. U
4,4'-DDT		I	I	I
DENDRIN KETONE	24000. U	160 U	24000. U	1200. U
HEPTACHLOR	120000. U	800 U	120000. U	6000. U
PERMETHRIN	120000. U	800 U	120000. U	6000. U
PERMETHRIN	240000. NO	800	120000	6000
PERMETHRIN-1018	120000. U	800 U	120000. U	6000. U
PERMETHRIN-1221	120000. U	800 U	120000. U	6000. U
PERMETHRIN-1232	120000. U	800 U	120000. U	6000. U
PERMETHRIN-1242	120000. U	800 U	120000. U	6000. U
PERMETHRIN-1248	120000. U	800 U	120000. U	6000. U
PERMETHRIN-1254	240000. U	1600. U	240000. U	12000. U
PERMETHRIN-1260	240000. U	1600. U	240000. U	12000. U

ANALYSIS TYPE: PESTICIDES

300812

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
EAL

MATRIX: SEDIMENT
METHOD: 9302M01

UNITS: UG/KG
CASE: 1209G
DATE: 05/31/85

LABORATORY REF: ----- ANALYST/ENTRY: E21

REVIEWER: KCS SA

SAMPLE NUMBERS

AR180037

COMPOUND

ALPHA-BHC	120	U
ETA-BHC	120	U
DELTA-BHC	120	U
GAMMA-BHC	390	U
EPTACHLOR	120	U
ALDRIN	120	U
HEPTACHLOR EPOXIDE	120	U
ENDOSULFAN I	2900	U
DELDRIN	240	U
4,4'-DDE	240	U
ENDRIN	3200	U
ENDOSULFAN II	2300	U
4,4'-DDD	2100	U
ENDRIN ALDEHYDE	240	U
ENDOSULFAN SULFATE	240	U
4,4'-DDT	29600	U
ENDRIN KETONE	240	U
HEPTACHLOR	1200.	U
ALDRANE	1200.	U
TOXAPHENE	2400.	U
AROCLOR-1016	1200.	U
AROCLOR-1221	1200.	U
AROCLOR-1232	1200.	U
AROCLOR-1242	1200.	U
AROCLOR-124B	1200.	U
AROCLOR-1254	2400.	U
AROCLOR-1260	2400.	U

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

10-30-84

300813

Transmittal of Laboratory Data

Charles P. Hensley ^{CH}
 Chief, Laboratory Branch, ENSV

Keffer
 Atn: Doherty

Analyses have been completed for the following activities and the data results are attached.

Activity No.	Description
AQ18	Economy Products
	(partial transmittal)
	Note: Acid, B/N, Pest analysis
	not completed for samples,
	01-29, 31-37

Attachments

cc: Data Files

DATA QUALIFIERS FOR EPA REGION VII

- U not detected. For EPA VII lab data U is applied only in conjunction with detection limits. For contract lab data it is applied to contract required limits.
- M The value indicated is below the quantitation limit but above the detection limit.
- J The value is of unknown quality. Approximate value.
- I analysis attempted but no result can be reported.

TITLE
MTR) DIMENT
REVIEW BY: GCS

ANALYSIS: GC/MS SCANS
UNITS: UG/KG
DATE: 10/12/04

LA
12096
METHOD NO: 7301M05

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *
AQ1001	UNKNOWN (SCAN 314)	VOA	J
AQ1001	ETHYL CYCLOHEXANE	VOA	2.7 J
AQ1001	METHYL CYCLOHEXANE	VOA	2.0 J
AQ1001	2,3-DIMETHYLPENTANE	VOA	1.6 J
AQ1001	UNKNOWN (SCAN 695)	VOA	J
AQ1001	UNKNOWN (SCAN 707)	VOA	J
AQ1002	NOTHING SIGNIFICANT FOUND		
AQ1003	NOTHING SIGNIFICANT FOUND		
AQ1004	NOTHING SIGNIFICANT FOUND		
AQ1005	NOTHING SIGNIFICANT FOUND		
AQ1006	UNKNOWN (SCAN 729)	VOA	J
AQ1006	UNKNOWN (SCAN 770)	VOA	J
AQ1006	UNKNOWN (SCAN 026)	VOA	J
AQ1006	UNKNOWN (SCAN 930)	VOA	J
AQ1007	UNKNOWN (SCAN 771)	VOA	J
AQ1007	UNKNOWN (SCAN 841)	VOA	J
AQ1007	UNKNOWN (SCAN 942)	VOA	J
AQ1008	DICHLORODIFLUOROMETHANE	VOA	1200 J
AQ1010	NOTHING SIGNIFICANT FOUND		
AQ1011	NOTHING SIGNIFICANT FOUND		
AQ1012	UNKNOWN (SCAN 316)	VOA	2.0 J
AQ1013	NOTHING SIGNIFICANT FOUND		
AQ1014	NOTHING SIGNIFICANT FOUND		

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD.
** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH ROUTINE. AUTHENTIC STANDARD
COMPOUND MASS SPECTRA AND RETENTION TIMES.

300815

TITLE: AIR PRODUCTS
MATERIAL: DIMENT
REVIEWED BY: GCS

ANALYSIS: GC/MS SCANS
UNITS: UG/KG
DATE: 10/12/84

LAB: 12000
METHOD NO: 7301M05

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *	
AQ1015	METHYLCYCLOHEXANE	VDA	100	J
AQ1015	1,1,3-TRIMETHYLCYCLOHEXANE	VDA	125	J
AQ1015	UNKNOWN (SCAN 607)	VDA		J
AQ1015	UNKNOWN (SCAN 766)	VDA		J
AQ1016	UNKNOWN (SCAN 777)	VDA		J
AQ1016	UNKNOWN (SCAN 820)	VDA		J
AQ1016	UNKNOWN (SCAN 750)	VDA		J
AQ1017	NOTHING SIGNIFICANT FOUND			
AQ1010	NOTHING SIGNIFICANT FOUND			
AQ1017	METHYLCYCLOPENTANE	VDA	1100	J
AQ1017	UNKNOWN (SCAN 530)	VDA		J
AQ1017	METHYLCYCLOHEXANE	VDA	5200	J
AQ1017	UNKNOWN (SCAN 677)	VDA		J
AQ1017	2-METHYLHEXANE	VDA	420	J
AQ1017	UNKNOWN (SCAN 720)	VDA		J
AQ1017	1,2,3-TRIMETHYLCYCLOPENTANE	VDA	1100	J
AQ1017	UNKNOWN (SCAN 750)	VDA		J
AQ1017	1,2-DIMETHYLCYCLOHEXANE	VDA	2000	J
AQ1017	1,1,3-TRIMETHYLCYCLOHEXANE	VDA	1500	J
AQ1017	UNKNOWN (SCAN 725)	VDA		J

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD.
** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH ROUTINE, AUTHENTIC STANDARDS,
COMPOUND MASS SPECTRA AND RETENTION TIMES.

300816

TITLE ARMY PRODUCTS
MATRIX SEDIMENT
REVIEWED BY: GCS

UNITS: UG/KG
DATE: 10/12/04

CA J: 12096
METHOD NO: 7301M05

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *	
AQ1020	CYCLOHEXANE	VOA	56	J
AQ1020	UNKNOWN (SCAN 530)	VOA		J
AQ1020	METHYLCYCLOHEXANE	VOA	630	J
AQ1020	UNKNOWN (SCAN 675)	VOA		J
AQ1020	UNKNOWN (SCAN 731)	VOA		J
AQ1020	UNKNOWN (SCAN 750)	VOA		J
AQ1020	UNKNOWN (SCAN 764)	VOA		J
AQ1020	1,3-DIMETHYLCYCLOHEXANE	VOA	210	J
AQ1020	1,2-DIMETHYLCYCLOHEXANE	VOA	120	J
AQ1020	1,1,3-TRIMETHYLCYCLOHEXANE	VOA	550	J
AQ1020	UNKNOWN (SCAN 764)	VOA		J
AQ1021	METHYLCYCLOPENTANE	VOA	4300	J
AQ1021	UNKNOWN (SCAN 520)	VOA		J
AQ1021	HEXANE	VOA	7700	J
AQ1021	METHYLCYCLOHEXANE	VOA	20000	J
AQ1021	UNKNOWN (SCAN 676)	VOA		J
AQ1021	UNKNOWN (SCAN 729)	VOA		J
AQ1021	UNKNOWN (SCAN 822)	VOA		J
AQ1021	UNKNOWN (SCAN 763)	VOA		J
AQ1022	NOTHING SIGNIFICANT FOUND			
AQ1023	NOTHING SIGNIFICANT FOUND			
AQ1024	NOTHING SIGNIFICANT FOUND			
AQ1025	NOTHING SIGNIFICANT FOUND			
AQ1026	NOTHING SIGNIFICANT FOUND			
AQ1027	NOTHING SIGNIFICANT FOUND			

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD.
** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH ROUTINE. AUTHENTIC STANDARDS,
COMPOUND MASS SPECTRA AND RETENTION TIMES.

300817

1111
MATE
REVIEWED BY: GCS

UNIT: UG/KG
DATE: 10/12/84

NO: 12076
METHOD NO: 9301M05

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. †
AQ1020	NOTHING SIGNIFICANT FOUND		
AQ1029	NOTHING SIGNIFICANT FOUND		
AQ1031	NOTHING SIGNIFICANT FOUND		
AQ1032	NOTHING SIGNIFICANT FOUND		
AQ1033	PROPYLBENZENE	VOA	12300 J
AQ1034	1-ETHYL-4-METHYLBENZENE	VOA	J
AQ1034	1-ETHYL-2-METHYLBENZENE	VOA	J
AQ1034	UNKNOWN (SCAN 729)	VOA	J
AQ1034	1,2,4-TRIMETHYLBENZENE	VOA	J
AQ1035	UNKNOWN (SCAN 729)	VOA	J
AQ1035	1-ETHYL-4-METHYLBENZENE	VOA	240 J
AQ1035	1,2,3-TRIMETHYLBENZENE	VOA	160 J
AQ1036	NOTHING SIGNIFICANT FOUND		
AQ1037	2,3-DIMETHYLPENTANE	VOA	1.0 J

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD
** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH ROUTINE. AUTHENTIC STANDARDS
COMPOUND MASS SPECTRA AND RETENTION TIMES.

STANDARD
NAME

300818

RE
HAT
RE

ADHY. PRODUCTS, CAP. 0.25
ER
BY: GCS

ANALYSIS: GC/MS SCANS
UNITS: UG/L
DATE: 10/09/84

J: 2854
JD NO: 9301M07

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *
AQ1322	NOTHING SIGNIFICANT FOUND		
AQ1838	NOTHING SIGNIFICANT FOUND		
AQ1839	NOTHING SIGNIFICANT FOUND		
AQ1840	NOTHING SIGNIFICANT FOUND		
AQ1841	NOTHING SIGNIFICANT FOUND		

360819

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.
** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH ROUTINE. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY COMPOUND MASS SPECTRA AND RETENTION TIMES.

TITLE: JONOHY PRODUCTS
 MATR.: SEDIMENT
 SAMPLE PREP:
 REVIEWER: *LC5/CAF/Chick 10/13/14*

LAB: EAL
 UNITS: UG/KG
 ANALYST/ENTRY: COS

CASE: 1209G
 METHOD #: 9301M05
 DATE: 10/12/84

COMPOUND	STORET#	SAMPLE NUMBERS							
		AQ1801	AQ1802	AQ1803	AQ1804	AQ1805	AQ1806	AQ1807	AQ1808
ACETONE	75059	50. U	50. U	50. U	50. U	50. U	50. U	250. U	250. U
2-BUTANONE	75078	100. U	100. U	100. U	100. U	100. U	100. U	500. U	500. U
CARBON DISULFIDE	78544	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U
2-HEXANONE	75166	50. U	50. U	50. U	50. U	50. U	50. U	250. U	250. U
4-METHYL-2-PENTANONE	75169	50. U	50. U	50. U	50. U	50. U	50. U	250. U	250. U
STYRENE	75129	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
VINYL ACETATE	*****	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U
O XYLENE	45510	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U

360820

ANALYSIS TYPE: HSL VOI

TITLE: DRY PRODUCTS

LAB: EAL

CASE: 1209G

MATRIX: SEDIMENT

UNITS: UG/KG

METHOD #: 9301M05

SAMPLE PREP: -----

ANALYST/ENTRY: COS

DATE: 10/12/84

REVIEWER: *CS/10/12/84* *DMR* *10/15/84* -----

SAMPLE NUMBERS

COMPOUND	STORE#	SAMPLE NUMBERS							
		AQ1809	AQ1810	AQ1811	AQ1812	AQ1813	AQ1814	AQ1815	AQ1816
ACETONE	75059	250. U	100. U	50. U	50. U	100. U	250. U	500. U	50. U
2-BUTANONE	75078	500. U	200. U	100. U	100. U	200. U	500. U	1000. U	100. U
CARBON DISULFIDE	78544	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U
2-HEXANONE	75166	250. U	100. U	50. U	50. U	100. U	250. U	500. U	50. U
4-METHYL-2-PENTANONE	75169	250. U	100. U	50. U	50. U	100. U	250. U	500. U	50. U
STYRENE	75129	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
VINYL ACETATE	*****	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U
O XYLENE	45510	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U

300821

TITLE: CONOMY PRODUCTS

MATRIX: SEDIMENT

SAMPLE PREP: -----

REVIEWER: *6516-CPM 10/15/84*

LAB: EAL

UNITS: UG/KG

ANALYST/ENTRY: COS

CASE: 1209G

METHOD #: 9301M05

DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1817	AQ1818	AQ1819	AQ1820	AQ1821	AQ1822	AQ1823	AQ1824
ACETONE	75059	50. U	50. U	250. U	500. U	5000. U	50. U	50. U	50. U
2-BUTANONE	75078	100. U	100. U	500. U	1000. U	15000. U	100. U	100. U	100. U
CARBON DISULFIDE	78544	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U
2-HEXANONE	75166	50. U	50. U	250. U	500. U	5000. U	50. U	50. U	50. U
4-METHYL-2-PENTANONE	75169	50. U	50. U	250. U	500. U	5000. U	50. U	50. U	50. U
STYRENE	75129	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
VINYL ACETATE	*****	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U
O XYLENE	45510	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U

300822

ANALYSIS TYPE: HSL U

TITLE: ECONOMY PRODUCTS
 MATRIX: SEDIMENT
 SAMPLE PREP: *10/12/84*
 REVIEWER: *BCS/EAL/10/12/84*

LAB: EAL
 UNITS: UG/KG
 ANALYST/ENTRY: COR

CASE: 12096
 METHOD #: 9301M05
 DATE: 10/12/84

COMPOUND	STORET#	SAMPLE NUMBERS							
		AQ1825	AQ1826	AQ1827	AQ1828	AQ1829	AQ1831	AQ1832	AQ1833
ACETONE	75059	50. U	50. U	50. U	50. U	50. U	50. U	50. U	5000. U
2-BUTANONE	75078	100. U	100. U	100. U	100. U	100. U	100. U	100. U	18000. U
CARBON DISULFIDE	78544	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U
2-HEXANONE	75166	50. U	50. U	50. U	50. U	50. U	50. U	50. U	5000. U
4-METHYL-2-PENTANONE	75169	50. U	50. U	50. U	50. U	50. U	50. U	50. U	5000. U
STYRENE	75129	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
VINYL ACETATE	*****	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U
O XYLENE	45510	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	134000. U

800823

ANALYSIS TYPE: HSL ALES

TITLE: ECONOMY PRODUCTS
 MATRIX: SEDIMENT
 SAMPLE PREP:
 REVIEWER: *CS/EAL* *10/19/87*

LAB: EAL
 UNITS: UG/KG
 ANALYST/ENTRY: COB

CASE: 1209G
 METHOD #: 9301M05
 DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1834	AQ1835	AQ1836	AQ1837
ACETONE	75059	500. U	200. U	50. U	100. U
2-BUTANONE	75078	1000. U	400. U	100. U	200. U
CARBON DISULFIDE	78544	50. U	20. U	5. U	10. U
2-HEXANONE	75166	500. U	200. U	50. U	100. U
4-METHYL-2-PENTANONE	75169	500. U	200. U	50. U	100. U
STYRENE	75129	25. U	10. U	2.5U	5. U
VINYL ACETATE	*****	50. U	20. U	5. U	10. U
O XYLENE	45510	25. U	765. U	2.5U	5. U

300834

TITLE: PRODUCTS

MATRIX: WATER

SAMPLE PREP: 11/10/84

REVIEWER: [Signature]

LAB: ERC

UNITS: UG/L

ANALYST/ENTRY: COS

CASE: 2854

METHOD #: 9301M07

DATE: 10/09/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1838	AQ1839	AQ1840
ACETONE	81552	100. U	100. U	100. U
2-BUTANONE	81595	200. U	200. U	200. U
CARBON DISULFIDE	81309	10. U	10. U	10. U
1-HEXANONE	77103	100. U	100. U	100. U
1-METHYL-2-PENTANONE	81596	100. U	100. U	100. U
STYRENE	77128	5. U	5. U	5. U
VINYL ACETATE	77057	10. U	10. U	10. U
O XYLENE	81551	5. U	5. U	5. U

300825

TITLE: PRODUCTS.
 MATRIX: IMENT
 SAMPLE PREP: *11/15/84*
 REVIEWER: *W.S. [Signature]*

LAB: EAL
 UNITS: UG/KG
 ANALYST/ENTRY: COV

CASE: 1209G
 METHOD #: 9301M05
 DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORET#	AQ1801	AQ1802	AQ1803	AQ1804	AQ1805	AQ1806	AQ1807	AQ1808
ACROLEIN	34213	50. U	50. U	50. U	50. U	50. U	50. U	250. U	250. U
ACRYLONITRILE	34218	50. U	50. U	50. U	50. U	50. U	50. U	250. U	250. U
BENZENE	34237	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
CARBON TETRACHLORIDE	34299	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
CHLOROBENZENE	34304	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
1,2 DICHLOROETHANE	34334	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
1,1,1 TRICHLOROETHANE	34309	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
1,1 DICHLOROETHANE	34499	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
1,1,2 TRICHLOROETHANE	34514	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
1,1,2,2 TETRACHLOROETHANE	34519	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U
CHLOROETHANE	34314	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U
2-CHLOROETHYL VINYL ETHER	34579	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U
CHLOROFORM	34318	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
1,1 DICHLOROETHYLENE	34504	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
TRANS 1,2 DICHLOROETHENE	34549	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U
1,2 DICHLOROPROPANE	34544	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U
TRANS 1,3 DICHLOROPROPENE	34697	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
CIS 1,3 DICHLOROPROPENE	34702	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U
ETHYLBENZENE	34374	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
METHYLENE CHLORIDE	34426	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U
CHLOROMETHANE	34421	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U
BROMOMETHANE	34416	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U
BROMOFORM	34290	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U
BROMODICHLOROMETHANE	34330	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
CHLORODIBROMOMETHANE	34309	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
TETRACHLOROETHENE	34478	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
TOLUENE	34483	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
TRICHLOROETHENE	34487	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	13. U	13. U
VINYL CHLORIDE	34495	5. U	5. U	5. U	5. U	5. U	5. U	25. U	25. U

300836

TITLE: OILY PRODUCTS
 MATRIX: SEDIMENT
 SAMPLE PREP:
 REVIEWER: *W. S. T. ...*

LAB: EAL
 UNITS: UG/KG
 ANALYST/ENTRY: CDV

CASE: 1209G
 METHOD #: 9301M05
 DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORET#	AQ1809	AQ1810	AQ1811	AQ1812	AQ1813	AQ1814	AQ1815	AQ1816
ACROLEIN	34213	250. U	100. U	50. U	50. U	100. U	250. U	500. U	50. U
ACRYLONITRILE	34218	250. U	100. U	50. U	50. U	100. U	250. U	500. U	50. U
BENZENE	34237	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
CARBON TETRACHLORIDE	34299	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
CHLOROBENZENE	34304	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
1,2 DICHLOROETHANE	34534	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
1,1,1 TRICHLOROETHANE	34509	13. U	14	2.5U	2.5U	5. U	13. U	25. U	2.5U
1,1,2 DICHLOROETHANE	34499	13. U	19	2.5	2.5U	5. U	13. U	25. U	2.5U
1,1,2 TRICHLOROETHANE	34514	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
1,1,1,2,2 TETRACHLOROETHANE	34519	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U
CHLOROETHANE	34314	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U
2-CHLOROETHYL VINYL ETHER	34579	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U
CHLOROFORM	34318	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
1,1 DICHLOROETHYLENE	34504	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
TRANS 1,2 DICHLOROETHENE	34549	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U
1,2 DICHLOROPROPANE	34544	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U
TRANS 1,3 DICHLOROPROPENE	34697	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
CIS 1,3 DICHLOROPROPENE	34702	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U
ETHYLBENZENE	34374	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
METHYLENE CHLORIDE	34426	66	66	33	33	66	132	264	33
CHLOROMETHANE	34421	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U
BROMOMETHANE	34416	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U
BROMOFORM	34290	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U
BROMODICHLOROMETHANE	34330	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
CHLORODIBROMOMETHANE	34309	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
TETRACHLOROETHENE	34478	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
TOLUENE	34483	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
TRICHLOROETHENE	34487	13. U	5. U	2.5U	2.5U	5. U	13. U	25. U	2.5U
VINYL CHLORIDE	34495	25. U	10. U	5. U	5. U	10. U	25. U	50. U	5. U

300827

ANALYSIS TYPE: CONTRA TILE ORGANICS

TITLE: ECONOMY PRODUCTS
 MATRIX: SEDIMENT
 SAMPLE PREP:
 REVIEWER: *LS/PA/10/11/11*

LAB: EAL
 UNITS: UG/KG
 ANALYST/ENTRY: COV

CASE: 1209G
 METHOD #: 9301M05
 DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORET#	AQ1817	AQ1818	AQ1819	AQ1820	AQ1821	AQ1822	AQ1823	AQ1824
ACROLEIN	34213	50. U	50. U	250. U	500. U	5000. U	50. U	50. U	50. U
ACRYLONITRILE	34218	50. U	50. U	250. U	500. U	5000. U	50. U	50. U	50. U
BENZENE	34237	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
CARBON TETRACHLORIDE	34299	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
CHLOROBENZENE	34304	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
1,2 DICHLOROETHANE	34534	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
1,1,1 TRICHLOROETHANE	34509	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
1,1 DICHLOROETHANE	34499	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
1,1,2 TRICHLOROETHANE	34514	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
1,1,2,2 TETRACHLOROETHANE	34519	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U
CHLOROETHANE	34314	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U
2-CHLOROETHYL VINYL ETHER	34579	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U
CHLOROFORM	34318	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
1,1 DICHLOROETHYLENE	34504	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
TRANS 1,2 DICHLOROETHENE	34549	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U
1,2 DICHLOROPROPANE	34544	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U
TRANS 1,3 DICHLOROPROPENE	34697	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
CIS 1,3 DICHLOROPROPENE	34702	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U
ETHYLBENZENE	34374	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
METHYLENE CHLORIDE	34426	1.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
CHLOROMETHANE	34421	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U
BROMOMETHANE	34416	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U
BROMOFORM	34290	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U
BROMODICHLOROMETHANE	34330	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
CHLORODIBROMOMETHANE	34309	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
TETRACHLOROETHENE	34478	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
TOLUENE	34483	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
TRICHLOROETHENE	34487	2.5U	2.5U	13. U	25. U	250. U	2.5U	2.5U	2.5U
VINYL CHLORIDE	34495	5. U	5. U	25. U	50. U	500. U	5. U	5. U	5. U

306838

ANALYSIS TYPE: CONTRA/TILE ORGANICS

TITLE: DRY PRODUCTS

MATRIX: SEDIMENT

SAMPLE PREP:

REVIEWER: *K. J. CA...* 10/19/84

LAB: EAL

UNITS: UG/KG

ANALYST/ENTRY: COA

CASE: 1209G

METHOD #: 9301M05

DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1825	AQ1826	AQ1827	AQ1828	AQ1829	AQ1831	AQ1832	AQ1833
ACROLEIN	34213	50. U	50. U	50. U	50. U	50. U	50. U	50. U	5000. U
ACRYLONITRILE	34218	50. U	50. U	50. U	50. U	50. U	50. U	50. U	5000. U
BENZENE	34237	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
CARBON TETRACHLORIDE	34299	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
CHLOROBENZENE	34304	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
1,2 DICHLOROETHANE	34534	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
1,1,1 TRICHLOROETHANE	34509	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
1,1 DICHLOROETHANE	34499	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
1,1,2 TRICHLOROETHANE	34514	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
1,1,2,2 TETRACHLOROETHANE	34519	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U
CHLOROETHANE	34314	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U
2-CHLOROETHYL VINYL ETHER	34579	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U
CHLOROFORM	34318	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
1,1 DICHLOROETHYLENE	34504	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
TRANS 1,2 DICHLOROETHENE	34549	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U
1,2 DICHLOROPROPANE	34544	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U
TRANS 1,3 DICHLOROPROPENE	34697	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
CIS 1,3 DICHLOROPROPENE	34702	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U
ETHYLBENZENE	34374	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
METHYLENE CHLORIDE	34426	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
CHLOROMETHANE	34421	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U
BROMOMETHANE	34416	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U
BROMOFORM	34290	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U
BROMODICHLOROMETHANE	34330	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
CHLORODIBROMOMETHANE	34309	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
TETRACHLOROETHENE	34478	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
TOLUENE	34483	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
TRICHLOROETHENE	34487	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	250. U
VINYL CHLORIDE	34495	5. U	5. U	5. U	5. U	5. U	5. U	5. U	500. U

300829

TITLE: ESDRORY PRODUCTS

MATRIX: SEDIMENT

SAMPLE PREP:

REVIEWER: *633/E/1/10/11/89*

LAB: EAL

UNITS: UG/KG

ANALYST/ENTRY: COA

CASE: 1209G

METHOD #: 9301M05

DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORE#	SAMPLE NUMBERS			
		AQ1834	AQ1835	AQ1836	AQ1837
ACROLEIN	34213	500. U	200. U	50. U	100. U
ACRYLONITRILE	34218	500. U	200. U	50. U	100. U
BENZENE	34237	25. U	10. U	2.5U	5. U
CARBON TETRACHLORIDE	34299	25. U	10. U	2.5U	5. U
CHLOROBENZENE	34304	25. U	10. U	2.5U	5. U
1,2 DICHLOROETHANE	34534	25. U	10. U	2.5U	5. U
1,1,1-TRICHLOROETHANE	34509	25. U	10. U	2.5U	5. U
1,1 DICHLOROETHANE	34499	25. U	10. U	2.5U	5. U
1,1,2 TRICHLOROETHANE	34514	25. U	10. U	2.5U	5. U
1,1,2,2 TETRACHLOROETHANE	34519	50. U	20. U	5. U	10. U
CHLOROETHANE	34314	50. U	20. U	5. U	10. U
2-CHLOROETHYL VINYL ETHER	34579	50. U	20. U	5. U	10. U
CHLOROFORM	34318	25. U	10. U	2.5U	5. U
1,1 DICHLOROETHYLENE	34504	25. U	10. U	2.5U	5. U
TRANS 1,2 DICHLOROETHENE	34549	50. U	20. U	5. U	10. U
1,2 DICHLOROPROPANE	34544	50. U	20. U	5. U	10. U
TRANS 1,3 DICHLOROPROPENE	34697	25. U	10. U	2.5U	5. U
CIS 1,3 DICHLOROPROPENE	34702	50. U	20. U	5. U	10. U
ETHYLBENZENE	34374	25. U	10. U	2.5U	5. U
METHYLENE CHLORIDE	34426	25. U	10. U	2.5U	5. U
CHLOROMETHANE	34421	50. U	20. U	5. U	10. U
BROMOMETHANE	34416	50. U	20. U	5. U	10. U
BROMOFORM	34290	50. U	20. U	5. U	10. U
BROMODICHLOROMETHANE	34330	25. U	10. U	2.5U	5. U
CHLORODIBROMOMETHANE	34309	25. U	10. U	2.5U	5. U
TETRACHLOROETHENE	34478	25. U	10. U	2.5U	5. U
TOLUENE	34483	25. U	10. U	2.5U	5. U
TRICHLOROETHENE	34487	25. U	10. U	2.5U	5. U
VINYL CHLORIDE	34495	50. U	20. U	5. U	10. U

300830

TITLE: Y PRODUCTS

MATRIX: WATER

SAMPLE PREP: 1-1-1

REVIEWER: *SC/EE* *10/27/84*

LAB: ERC

UNITS: UG/L

ANALYST/ENTRY: COV

CASE: 2854

METHOD #: 9301M07

DATE: 10/09/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1838	AQ1839	AQ1840
ACROLEIN	34210	100. U	100. U	100. U
ACRYLONITRILE	34215	100. U	100. U	100. U
BENZENE	34030	5. U	5. U	5. U
CARBON TETRACHLORIDE	32102	5. U	5. U	5. U
CHLOROBENZENE	34301	5. U	5. U	5. U
1,2 DICHLOROETHANE	32103	5. U	5. U	5. U
1,1,1 TRICHLOROETHANE	34506	5. U	5. U	5. U
1,1 DICHLOROETHANE	34496	5. U	5. U	5. U
1,1,2 TRICHLOROETHANE	34511	5. U	5. U	5. U
1,1,2,2 TETRACHLOROETHANE	34516	10. U	10. U	10. U
CHLOROETHANE	34311	10. U	10. U	10. U
2-CHLOROETHYL VINYL ETHER	34576	10. U	10. U	10. U
CHLOROFORM	32106	5. U	5. U	5. U
1,1 DICHLOROETHYLENE	34501	5. U	5. U	5. U
TRANS 1,2 DICHLOROETHENE	34546	10. U	10. U	10. U
1,2 DICHLOROPROPANE	34541	10. U	10. U	10. U
TRANS 1,3 DICHLOROPROPENE	34699	5. U	5. U	5. U
CIS 1,3 DICHLOROPROPENE	34704	10. U	10. U	10. U
ETHYLBENZENE	34371	5. U	5. U	5. U
METHYLENE CHLORIDE	34423	5. U	5. U	5. U
CHLOROMETHANE	34418	10. U	10. U	10. U
BROMOMETHANE	34413	10. U	10. U	10. U
BROMOFORM	32104	10. U	10. U	10. U
BRODICHLOROMETHANE	32101	5. U	5. U	5. U
CHLORODIBROMOMETHANE	32105	5. U	5. U	5. U
TETRACHLOROETHENE	34475	5. U	5. U	5. U
TOLUENE	34010	5. U	5. U	5. U
TRICHLOROETHENE	34485	5. U	5. U	5. U
VINYL CHLORIDE	39175	10. U	10. U	10. U

300831

TITL PRODUCTS

MATR.

SAMPLE PREP: *1/27/84*

REVIEWER: *W. J. [Signature]*

LAB: ERC

UNITS: UG/L

ANALYST/ENTRY: COA

CASE: 2854

METHOD #: 9301M07

DATE: 10/09/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1838	AQ1839	AQ1841
2,4,6 TRICHLOROPHENOL	34621	10. U	10. U	10. U
P-CHLORO-M-CRESOL	34452	20. U	20. U	20. U
2-CHLOROPHENOL	34586	10. U	10. U	10. U
2,4 DICHLOROPHENOL	34601	10. U	10. U	10. U
2,4 DIMETHYLPHENOL	34606	10. U	10. U	10. U
2-NITROPHENOL	34591	20. U	20. U	20. U
4-NITROPHENOL	34646	100. U	100. U	100. U
2,4-DINITROPHENOL	34616	50. U	50. U	50. U
4,6 DINITRO-2-METHYLPHENOL	34657	20. U	20. U	20. U
PENTACHLOROPHENOL	39032	20. U	20. U	20. U
PHENOL	34694	10. U	10. U	10. U

300832

TITLE: NAMY PRODUCTS
 MATRIX: WATER
 SAMPLE PREP: *10/22/84*
 REVIEWER: *W.S. [signature]*

LAB: ERC
 UNITS: UG/L
 ANALYST/ENTRY: COR

CASE: 2854
 METHOD #: 9301M07
 DATE: 10/09/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1838	AQ1839	AQ1841
ACENAPHTHENE	34205	10. U	10. U	10. U
BENZIDINE	39120	40. U	40. U	40. U
1,2,4 TRICHLOROENZENE	34551	10. U	10. U	10. U
HEXACHLOROENZENE	39700	10. U	10. U	10. U
HEXACHLOROETHANE	34396	10. U	10. U	10. U
BIS(2-CHLOROETHYL)ETHER	34273	10. U	10. U	10. U
2-CHLORONAPHTHALENE	34581	10. U	10. U	10. U
1,2 DICHLOROENZENE	34536	10. U	10. U	10. U
1,3 DICHLOROENZENE	34566	10. U	10. U	10. U
1,4 DICHLOROENZENE	34571	10. U	10. U	10. U
3,3' DICHLOROENZIDINE	34631	20. U	20. U	20. U
2,4 DINITROTOLUENE	34611	10. U	20. U	20. U
2,6 DINITROTOLUENE	34626	10. U	10. U	10. U
1,2 DIPHENYLHYDRAZINE	34346	20. U	20. U	20. U
FLUORANTHENE	34376	10. U	10. U	10. U
4-CHLOROPHENYL PHENYL ETHER	34641	10. U	10. U	10. U
4-BROMOPHENYL PHENYL ETHER	34636	10. U	10. U	10. U
BIS(2-CHLOROISOPROPYL)ETHER	34283	20. U	20. U	20. U
BIS(2-CHLOROETHOXY)METHANE	34278	20. U	20. U	20. U
HEXACHLOROBUTADIENE	39702	10. U	10. U	10. U
HEXACHLOROCYCLOPENTADIENE	34386	10. U	10. U	10. U
ISOPHORONE	34408	10. U	10. U	10. U
NAPHTHALENE	34408	10. U	10. U	10. U
NITROENZENE	34447	10. U	10. U	10. U
N-NITROSODIPHENYLAMINE	34433	10. U	10. U	10. U
N-NITROSODI-N-PROPYLAMINE	34428	20. U	20. U	20. U
BIS(2-ETHYLHEXYL) PHTHALATE	39100	10. U	10. U	12. U
BENZYL BUTYL PHTHALATE	34393	10. U	10. U	10. U
DI-N-BUTYL PHTHALATE	39110	10. U	10. U	10. U
DI-N-OCTYL PHTHALATE	34596	10. U	10. U	10. U
DIETHYL PHTHALATE	34336	10. U	10. U	10. U
DIMETHYL PHTHALATE	34341	10. U	10. U	10. U
BENZO(A)ANTHRACENE	34526	10. U	10. U	10. U
BENZO(A)PYRENE	34247	20. U	20. U	20. U
BENZO(B)FLUORANTHENE	34230	20. U	20. U	20. U
BENZO(K)FLUORANTHENE	34242	20. U	20. U	20. U
CHRYSENE	34320	10. U	10. U	10. U
ACENAPHTHYLENE	34200	10. U	10. U	10. U
ANTHRACENE	34220	10. U	10. U	10. U
BENZO(GHI)PERYLENE	34521	20. U	20. U	20. U
FLUORENE	34381	10. U	10. U	10. U
PHENANTHRENE	34461	10. U	10. U	10. U
DIBENZO(A,H)ANTHRACENE	34556	20. U	20. U	20. U
INDENO(1,2,3,CD)PYRENE	34403	20. U	20. U	20. U
PYRENE	34469	10. U	10. U	10. U

300833

TITLE: DRY PRODUCTS

LAB: ERC

CASE: 2854

MATRIX: WATER

UNITS: UG/L

METHOD #: 9301M07

SAMPLE PREP: *10/20/84*

ANALYST/ENTRY: CDH

DATE: 10/09/84

REVIEWER: *[Signature]*

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1838	AQ1839	AQ1841
ANILINE	77089	10. U	10. U	10. U
BENZYL ALCOHOL	81671	20. U	20. U	20. U
4-CHLOROANILINE	*****	50. U	50. U	50. U
DIBENZOFURAN	81302	10. U	10. U	10. U
2-METHYLNAPHTHALENE	77416	20. U	20. U	20. U
2-NITROANILINE	*****	100. U	100. U	100. U
3-NITROANILINE	*****	100. U	100. U	100. U
4-NITROANILINE	*****	100. U	100. U	100. U
BENZOIC ACID	77247	100. U	100. U	100. U
1-METHYLPHENOL	77152	10. U	10. U	10. U
4-METHYLPHENOL	77151	10. U	10. U	10. U
2,4,5 TRICHLOROPHENOL	77687	100. U	100. U	100. U

300834

SAMPLE FIELD

REVIEWER: *ESSI*

ESSI 2/12/71

ANALYST: *ESSI*

DATE: 10.11.71

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1838	AQ1839	AQ1841
ALDRIN	39330	.1 U	.1 U	.1 U
DIELDRIN	39380	.1 U	.1 U	.1 U
CHLORDANE	39350	1. U	1. U	1. U
4,4, DDT	39300	.1 U	.1 U	.1 U
4,4, DDE	39320	.1 U	.1 U	.1 U
4,4 DDD	39310	.1 U	.1 U	.1 U
ALPHA ENDOSULFAN	34361	.1 U	.1 U	.1 U
BETA ENDOSULFAN	34356	.1 U	.1 U	.1 U
ENDOSULFAN SULFATE	34351	.1 U	.1 U	.1 U
ENDRIN	39390	.1 U	.1 U	.1 U
ENDRIN ALDEHYDE	34366	.1 U	.1 U	.1 U
HEPTACHLOR	39410	.1 U	.1 U	.1 U
HEPTACHLOR EPOXIDE	39420	.1 U	.1 U	.1 U
ALPHA BHC	39337	.1 U	.1 U	.1 U
BETA BHC	39338	.1 U	.1 U	.1 U
DELTA BHC	34259	.1 U	.1 U	.1 U
GAMMA BHC (LINDANE)	39340	.1 U	.1 U	.1 U
PCB 1242	39496	1. U	1. U	1. U
PCB 1254	39504	1. U	1. U	1. U
PCB 1221	39488	1. U	1. U	1. U
PCB 1232	39492	1. U	1. U	1. U
PCB 1248	39500	1. U	1. U	1. U
PCB 1260	39508	1. U	1. U	1. U
PCB 1016	34671	1. U	1. U	1. U
TOXAPHENE	39400	1. U	1. U	1. U

300835

ANALYSIS TYPE: CONTRACT ORGANICS

TITLE: ~~WASHY PRODUCTS~~
 MATRIX: SEDIMENT
 SAMPLE PREP: ~~WASHY PRODUCTS~~
 REVIEWER: ~~WASHY PRODUCTS~~

LAB: RMA
 UNITS: ~~ug/kg~~ mg/kg
 ANALYST/ENTRY: COF

CASE: 2854
 METHOD #: 9001M03
 DATE: 09/21/84

COMPOUND	STORE#	SAMPLE NUMBERS								
		AQ1801	AQ1802	AQ1803	AQ1804	AQ1805	AQ1822	AQ1823	AQ1824	
ALUMINUM	01108	2500	2800	2000	1100	1300	8200	1300	8300	
ANTIMONY	01098	1. U	1. U	1. U	1. U	1. U	1. U	1. U	1. U	
ARSENIC	01003	18	10	14	22	18	13	25	18	
BARIUM	01008	15	11	84	24	37	190	54	220	
BERYLLIUM	01013	.25 U	.25 U	.25 U	.25 U	.25 U	.25 U	.25 U	.25 U	
BORON	01027	U	U	U	U	U	U	U	U	
CADMIUM	01028	12	11	13	7	57	11	12	11	
CHROMIUM	01029	13	42	8.34	5.1	5.2	10.6	3.6	12	
COBALT	01038	3.5	15	2.72	2.5U	2.5U	187	8.6	8.5	
COPPER	01043	16	36	16	10	10	12	7	19	
IRON	01170	5800	8200	6600	3700	4400	1500	1500	1600	
LEAD	01052	150	170	170	52	95	15	21	36	
MANGANESE	01053	170	210	200	190	150	600	140	560	
MERCURY	71921	.01 U	.01 U	.01 U	.01 U	.01 U	.01 U	.01 U	.01 U	
NICKEL	01068	11	8.7	7	4.4	5.2	16	14	18	
SELENIUM	01148	.1 U	.1 U	.1 U	.1 U	.1 U	.1 U	.1 U	.1 U	
SILVER	01078	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	
THALLIUM	34480	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	
TIN	01103	1.5U	1.6U	1.5U	1.5U	1.5U	1.5U	1.5U	1.5U	
VANADIUM	01088	11	10. U	10. U	10. U	10. U	17	26	18	
ZINC	01093	100	230	110	31	52	44	53	58	

300836

TITLE: ECON. PRODUCTS

MATRIX: SEDIMENT

SAMPLE PREP: _____

REVIEWER: *ECS/EA/OMA 10/3/87*

LAB: RMA

UNITS: ~~MG/KG~~ mg/kg

ANALYST/ENTRY: CUS

CASE: 2054

METHOD #: 7001M03

DATE: 10/03/84

COMPOUND	STORET#	SAMPLE NUMBERS							
		AQ1806	AQ1807	AQ1808	AQ1809	AQ1810	AQ1811	AQ1812	AQ1813
ALUMINUM	01100	1500	2100	2000	1700	1300	1200	1400	1200
ANTIMONY	01090	120	1. U	1. U	1. U	1. U	170	1. U	3.0
ARSENIC	01003	10	10	10	10	10	10	10	10
BARIUM	01000	77	77	110	170	100	220	120	29
BERYLLIUM	01013	2.5U	2.5U	2.5	6	.25 U	2.5U	2.5U	2.5U
BORON	01023	U	U	U	U	U	U	U	U
CADMIUM	01020	25	15	.6	11	5.30	13	10	17
CHROMIUM	01029	25	15	15	11	5.30	13	10	17
COBALT	01030	25. U	25. U	25. U	11	3.9	25. U	25. U	25. U
COPPER	01043	25. U	10	10	10	10	10	10	10
IRON	01170	15000	10000	22000	10000	11000	4000	7000	14000
LEAD	01052	130	130	160	100	100	570	180	140
MANGANESE	01053	140	53	160	100	130	510	160	5
MERCURY	71921	10	22	16	10	10	10	10	10
NICKEL	01060	25	22	20. U	17	11	20. U	20. U	20. U
SELENIUM	01140	10	10	10	10	10	10	1. U	1. U
SILVER	01078	5. U	5. U	5. U	.5 U	5. U	5. U	5. U	5. U
THALLIUM	34400	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U
TIN	01103	10. U	10. U	10. U	1.0U	1.0U	10. U	10. U	10. U
VANADIUM	01000	100. U	100. U	100. U	10	10. U	100. U	100. U	100. U
ZINC	01093	100	270	150	10	10	10	10	10

300837

ANALYSIS TYPE: CONTROL, INORGANICS

TITLE: ECONOMY PRODUCTS
 MATRIX: SEDIMENT
 SAMPLE PREP: _____
 REVIEWER: *ES/CAF QTR 10/27/27*

LAB: RMA
 UNITS: ~~ug/kg~~ *mg/kg*
 ANALYST/ENTRY: CUS

CASE: 2054
 METHOD 1: 3001M03
 DATE: 10/03/04

COMPOUND	STORE#	SAMPLE NUMBERS							
		AQ1014	AQ1015	AQ1016	AQ1017	AQ1010	AQ1019	AQ1020	AQ1021
ALUMINUM	01100	3000	3200	3400	3500	3600	3700	3800	3900
ANTIMONY	01090	1.0	1. U	1.0	1. U	1. U	1.0	1.0	1. U
ARSENIC	01003	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
BARIUM	01000	200	200	200	200	200	200	200	200
BERYLLIUM	01013	2.5U	2.5	2.5	2.5	2.5	.25 U	2.5	2.5U
BORON	01023	U	U	U	U	U	U	U	U
CADMIUM	01020	.25	.05 U	.25	.25	.25	.25	.25	.05 U
CHROMIUM	01029	25	25	25	25	25	25	25	25
COBALT	01030	25. U	25. U	25	25	25	25	25	25. U
COPPER	01043	25	25. U	25	25	25	25	25	25
IRON	01170	2200	2200	2200	2500	2100	2200	2200	2200
LEAD	01052	200	200	200	120	200	200	200	120
MANGANESE	01053	200	200	160	120	150	120	120	240
MERCURY	71921	.01	.01	.01	.01 U	.01 U	.01	.01	.01
NICKEL	01060	20. U	20. U	20	20	20	20	20	20. U
SELENIUM	01140	1. U	1. U	1.0	1. U	1. U	1. U	1.0	1.0
SILVER	01070	5. U	5. U	.5 U	.5 U	.5 U	5.0	.5 U	5. U
THALLIUM	34400	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U
TIN	01103	10. U	10. U	1.0U	1.0U	1.0U	1.0U	4.2U	10. U
VANADIUM	01000	100. U	100. U	10. U	100	100	10. U	100	100. U
ZINC	01093	300	300	300	300	300	300	300	300

300838

ANALYSIS TYPE: CONTR ORGANICS

TITLE: ~~UNIDENTIFIED~~ PRODUCTS

MATRIX: SEDIMENT

SAMPLE PREP: ~~---~~REVIEWER: ~~---~~ *6/21/84*

LAB: RMA

UNITS: ~~60700~~ mg/kg

ANALYST/ENTRY: COP

CASE: 2854

METHOD #: 9001M03

DATE: 09/21/84

COMPOUND	STORET#	SAMPLE NUMBERS								
		AQ1825	AQ1826	AQ1827	AQ1828	AQ1829	AQ1831	AQ1832	AQ1836	
ALUMINUM	01108	1100	1700	1000	1100	1700	1200	2400	1800	
ANTIMONY	01098	1. U	1. U	1.1	1. U	1. U	1. U	1. U	1. U	
ARSENIC	01003	20	32	20	10	10	37	7.3	13	
BARIUM	01008	20	160	180	200	150	32	55	300	
BERYLLIUM	01013	2.5U	2.5U	4.5	2.5U	1.5	.25 U	.25 U	2.5U	
BORON	01037	U	U	U	U	U	U	U	U	
CADMIUM	01028	16	33	12.6	17	17.2	17.4	21	5.1	
CHROMIUM	01029	12	44	14	2.3	7.1	3.3	9.5	23	
COBALT	01038	25. U	25. U	4.8	25. U	53	3.3	3.3	25. U	
COPPER	01043	47	35	52	78	27	12	17	53	
IRON	01170	1400	14000	9300	17000	12300	6100	6200	18000	
LEAD	01052	160	130	1800	1370	120	160	270	1600	
MANGANESE	01053	300	170	240	300	170	160	170	410	
MERCURY	71921	1	2	1	35	24	.01 U	1.8	1.3	
NICKEL	01068	20	20. U	14	20. U	2.3	1.2	0.1	20. U	
SELENIUM	01148	1. U	.1 U	.1 U	.1 U	.1 U	.1 U	.1 U	.1 U	
SILVER	01078	5. U	5. U	.92	5. U	.5 U	.5 U	.5 U	5. U	
THALLIUM	34480	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	
TIN	01103	15. U	15. U	1.7U	15. U	11. U	1.5U	1.5U	15. U	
VANADIUM	01088	100. U	100. U	17	100. U	17	10. U	10. U	100. U	
ZINC	01093	250	750	360	330	66	130	150	150	

300839

ANALYSIS TYPE: CONTRACT ANALYSIS

TITLE: ECONOMY PRODUCTS
 MATRIX: SEDIMENT
 SAMPLE PREP:
 REVIEWER: *CCS/CAF/CMC/10/3/84*

LAB: RMA
 UNITS: ~~mg/kg~~ *mg/kg*
 ANALYST/ENTRY: COS

CASE: 2054
 METHOD #: 7001M03
 DATE: 10/03/84

COMPOUND	STORE#	SAMPLE NUMBERS			
		AQ1033	AQ1034	AQ1035	AQ1037
ALUMINUM	01100	410	4400	500	2000
ANTIMONY	01090	4.2	23.3	1. U	23.9
ARSENIC	01003	3.2	4.4	5.7	32.7
BARIUM	01008	3.0	2.5	4.0	4.0
BERYLLIUM	01013	.25 U	2.5U	2.5U	2.5U
BORON	01023	U	U	U	U
CADMIUM	01028	1.2	1.2	1.2	1.2
CHROMIUM	01029	3.0	5.5	6.0	7.2
COBALT	01030	2.5U	25. U	25. U	25. U
COPPER	01043	2.5 U	25. U	25. U	370.0
IRON	01170	1100	5400	16700	10000
LEAD	01052	170	240	370	2600
MANGANESE	01053	20	150	160	130
MERCURY	71921	.01 U	1.0	.23	1.2
NICKEL	01060	1.0	20. U	20. U	4.2
SELENIUM	01148	1. U	3.2	1.2	1. U
SILVER	01070	.5 U	5. U	5. U	5. U
THALLIUM	34400	.5 U	.5 U	.5 U	.5 U
TIN	01103	1.0U	18. U	10. U	10. U
VANADIUM	01000	10. U	100. U	100. U	100. U
ZINC	01093	22	470	280	1400

300840

TITLE: UNOMY PRODUCTS
 MATRIX: WATER
 SAMPLE PREP: _____
 REVIEWER: KS/EA_____

LAB: WIL
 UNITS: UG/L
 ANALYST/ENTRY: COM

CASE: 2854
 METHOD #: 9001M03
 DATE: 10/10/84

SAMPLE NUMBERS

COMPOUND	STORET#	AQ1838	AQ1839
ALUMINUM	01105	30000	20000
ANTIMONY	01097	20. U	20. U
ARSENIC	01002	40	40
BARIUM	01007	500	400
BERYLLIUM	01012	5. U	5. U
CADMIUM	01027	1. U	1. U
CALCIUM	00916	I	I
CHROMIUM	01034	10. U	10. U
COBALT	01037	50. U	50. U
COPPER	01042	50. U	50. U
IRON	01045	15000	29000
LEAD	01051	28. U	33. U
MAGNESIUM	00927	I	I
MANGANESE	01055	790	2000
MERCURY	71900	.2 U	.2 U
NICKEL	01067	40. U	40. U
POTASSIUM	00937	I	I
SELENIUM	01147	2. U	2. U
SILVER	01077	10. U	10. U
SODIUM	00929	I	I
THALLIUM	01059	10. U	10. U
TIN	01102	30. U	30. U
VANADIUM	01087	200. U	200. U
ZINC	01092	80	40

300841

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 LAB: EAL
 PREP: ----- ANALYST/ENTRY: C64

MATRIX: SEDIMENT
 METHOD: 9301H05
 REVIEWER: ~~---~~ *CS* *AM*

UNITS: UG/KG
 CASE: 2854
 DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AQ1801		AQ1802		AQ1803		AQ1804	
N-NITROSODIMETHYLAMINE	20000.	U	330	U	330	U	330	U
PHENOL	20000.	U	330	U	330	U	330	U
ANILINE	20000.	U	330	U	330	U	330	U
BIS(2-CHLOROETHYL) ETHER	20000.	U	330	U	330	U	330	U
2-CHLOROPHENOL	20000.	U	330	U	330	U	330	U
1,3-DICHLOROBENZENE	20000.	U	330	U	330	U	330	U
1,4-DICHLOROBENZENE	20000.	U	330	U	330	U	330	U
BENZYL ALCOHOL	20000.	U	330	U	330	U	330	U
1,2-DICHLOROBENZENE	20000.	U	330	U	330	U	330	U
2-METHYLPHENOL	20000.	U	330	U	330	U	330	U
BIS(2-CHLOROISOPROPYL) ETHER	20000.	U	330	U	330	U	330	U
4-METHYLPHENOL	20000.	U	330	U	330	U	330	U
N-NITROSO-DIPROPYLAMINE	20000.	U	330	U	330	U	330	U
HEXACHLOROETHANE	20000.	U	330	U	330	U	330	U
NITROBENZENE	20000.	U	330	U	330	U	330	U
ISOPHORONE	20000.	U	330	U	330	U	330	U
2-NITROPHENOL	20000.	U	330	U	330	U	330	U
2,4-DIMETHYLPHENOL	20000.	U	330	U	330	U	330	U
BENZOIC ACID	96000.	U	1600.	U	1600.	U	1600.	U
(2-CHLOROETHOXY) METHANE	20000.	U	330	U	330	U	330	U
1,2-DICHLOROPHENOL	20000.	U	330	U	330	U	330	U
1,2,4-TRICHLOROBENZENE	20000.	U	330	U	330	U	330	U
NAFTHALENE	20000.	U	330	U	330	U	330	U
4-CHLOROANILINE	20000.	U	330	U	330	U	330	U
HEXACHLOROBUTADIENE	20000.	U	330	U	330	U	330	U
4-CHLORO-3-METHYLPHENOL	20000.	U	330	U	330	U	330	U
2-METHYLNAPHTHALENE	20000.	U	330	U	330	U	330	U
HEXACHLOROCYCLOPENTADIENE	20000.	U	330	U	330	U	330	U
2,4,6-TRICHLOROPHENOL	20000.	U	330	U	330	U	330	U
2,4,5-TRICHLOROPHENOL	96000.	U	1600.	U	1600.	U	1600.	U
2-CHLORONAPHTHALENE	20000.	U	330	U	330	U	330	U
2-NITROANILINE	96000.	U	1600.	U	1600.	U	1600.	U
DIMETHYLNAPHTHALATE	20000.	U	330	U	330	U	330	U
ACENAPHTHYLENE	20000.	U	330	U	330	U	330	U
3-NITROANILINE	96000.	U	1600.	U	1600.	U	1600.	U
ACENAPHTHENE	20000.	U	330	U	330	U	330	U
2,4-DINITROPHENOL	20000.	U	330	U	330	U	330	U
4-NITROPHENOL	96000.	U	1600.	U	1600.	U	1600.	U
DIBENZOFURAN	20000.	U	330	U	330	U	330	U
2,4-DINITROTOLUENE	20000.	U	330	U	330	U	330	U

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 ANALYST/ENTRY: C66

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: ~~GLS~~ ~~ALA~~

UNITS: UG/KG
 CASE: 2854
 DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AQ1801		AQ1802		AQ1803		AQ1804	
2,6-DINITRODLUENE	20000.	U	330	U	330	U	330	U
DIETHYLPHTHALATE	20000.	U	330	U	330	U	330	U
4-CHLOROPHENYL PHENYL ETHER	20000.	U	330	U	330	U	330	U
FLUORENE	20000.	U	200	M	330	U	330	U
4-NITROANILINE	96000.	U	1600.	U	1600.	U	1600.	U
4,6-DINITRO-2-METHYLPHENOL	96000.	U	1600.	U	1600.	U	1600.	U
N-NITROSODIPHENYLAMINE	20000.	U	330	U	330	U	330	U
4-BROMOPHENYL PHENYL ETHER	20000.	U	330	U	330	U	330	U
HEXACHLOROBENZENE	20000.	U	330	U	330	U	330	U
PENTACHLOROPHENOL	96000.	U	1600.	U	1600.	U	1600.	U
PHENANTHRENE	20000.	U	2300	J	910	J	890	M
ANTHRACENE	20000.	U	330	U	330	U	330	U
DI-N-BUTYLPHTHALATE	20000.	U	1300	M	330	U	330	U
FLUORANTHENE	20000.	U	3000	J	1400	J	210	M
BENZIDINE	190000.	U	3200.	U	3200.	U	3200.	U
PYRENE	44000	J	4500	J	280	J	760	M
BUTYL BENZYL PHTHALATE	20000.	U	330	U	330	U	330	U
3,3' DICHLOROBENZIDINE	40000.	U	660	U	660	U	660	U
1,2,3,4-TETRAHYDRO(A)ANTHRACENE	20000.	U	1500	J	710	J	330	U
1,2-DIETHYLHEXYL PHTHALATE	10000	M	690	J	450	J	350	J
INDENOBENZENE	20000.	U	1700	J	400	J	110	M
DI-N-OCTYL PHTHALATE	20000.	U	2500	J	330	U	330	U
BENZO(B)FLUORANTHENE	20000.	U	2300	J	530	J	330	U
BENZO(K)FLUORANTHENE	20000.	U	330	U	330	U	330	U
BENZO(A)PYRENE	20000.	U	13000	J	1600	J	330	U
INDENO(1,2,3-CD)PYRENE	20000.	U	330	U	330	U	330	U
DIBENZO(A,H)ANTHRACENE	20000.	U	330	U	330	U	330	U
BENZO(G,H,I)PERYLENE	20000.	U	330	U	330	U	330	U

300844

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
EAL
E P REF:----- ANALYST/ENTRY: C64

MATRIX: SEDIMENT
METHOD: 9301M05
REVIEWER: GLS AM

UNITS: UG/KG
CASE: 2854
DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1805		AR1806		AR1807		AR1808	
N-NITROSODIMETHYLAMINE	20000.	U	330	U	1300.	U	1300.	U
PHENOL	20000.	U	330	U	1300.	U	1300.	U
ANILINE	20000.	U	330	U	1300.	U	1300.	U
BIS(2-CHLOROETHYL) ETHER	20000.	U	330	U	1300.	U	1300.	U
2-CHLOROPHENOL	20000.	U	330	U	1300.	U	1300.	U
1,3 DICHLOROBENZENE	20000.	U	330	U	1300.	U	1300.	U
1,4 DICHLOROBENZENE	20000.	U	330	U	1300.	U	1300.	U
BENZYL ALCOHOL	20000.	U	330	U	1300.	U	1300.	U
1,2 DICHLOROBENZENE	20000.	U	330	U	1300.	U	1300.	U
2-METHYLPHENOL	20000.	U	330	U	1300.	U	1300.	U
BIS(2-CHLOROISOPROPYL)ETHER	20000.	U	330	U	1300.	U	1300.	U
4-METHYLPHENOL	20000.	U	330	U	1300.	U	1300.	U
N-NITROSO-DIPROPYLAMINE	20000.	U	330	U	1300.	U	1300.	U
HEXACHLOROETHANE	20000.	U	330	U	1300.	U	1300.	U
NITROBENZENE	20000.	U	330	U	1300.	U	1300.	U
ISOPHORONE	20000.	U	330	U	1300.	U	1300.	U
2-NITROPHENOL	20000.	U	330	U	1300.	U	1300.	U
DIMETHYLPHENOL	20000.	U	330	U	1300.	U	1300.	U
DIC ACID	96000.	U	1600.	U	6400.	U	6400.	U
(2-CHLOROETHOXY) METHANE	20000.	U	330	U	1300.	U	1300.	U
2,4 DICHLOROPHENOL	20000.	U	330	U	1300.	U	1300.	U
1,2,4-TRICHLOROBENZENE	20000.	U	330	U	1300.	U	1300.	U
NAPHTHALENE	20000.	U	700	U	1300.	U	1300.	U
4-CHLOROANILINE	20000.	U	330	U	1300.	U	1300.	U
HEXACHLOROBTADIENE	20000.	U	330	U	1300.	U	1300.	U
4-CHLORO-3-METHYLPHENOL	20000.	U	330	U	1300.	U	1300.	U
2-METHYLNAPHTHALENE	20000.	U	330	U	1300.	U	1300.	U
HEXACHLOROCYCLOPENTADIENE	20000.	U	330	U	1300.	U	1300.	U
2,4,6-TRICHLOROPHENOL	20000.	U	330	U	1300.	U	1300.	U
2,4,5-TRICHLOROPHENOL	96000.	U	1600.	U	6400.	U	6400.	U
2-CHLORONAPHTHALENE	20000.	U	330	U	1300.	U	1300.	U
2-NITROANILINE	96000.	U	1600.	U	6400.	U	6400.	U
DIMETHYLPHTHALATE	20000.	U	330	U	1300.	U	1300.	U
ACENAPHTHYLENE	20000.	U	330	U	1300.	U	1300.	U
3-NITROANILINE	96000.	U	1600.	U	6400.	U	6400.	U
ACENAPHTHENE	20000.	U	330	U	1300.	U	1300.	U
2,4-DINITROPHENOL	20000.	U	330	U	1300.	U	1300.	U
4-NITROPHENOL	96000.	U	1600.	U	6400.	U	6400.	U
DIBENZOFURAN	20000.	U	640	U	1300.	U	1300.	U
2,4-DINITROTOULENE	20000.	U	330	U	1300.	U	1300.	U

300845

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

FILE: ECONOMY PRODUCTS/CAPITOL OIL
 EAL
 ANALYST/ENTRY: C66

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: ~~GLS~~ ~~PLA~~

UNITS: UG/KG
 CASE: 2854
 DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1805		AR1806		AR1807		AR1808	
2,6-DINITROTOLUENE	20000.	U	1300.	U	1300.	U	1300.	U
DIETHYLPHthalate	20000.	U	1300.	U	1300.	U	1300.	U
4-CHLOROPHENYL PHENYL ETHER	20000.	U	1300.	U	1300.	U	1300.	U
FLUORENE	20000.	U	1300.	U	1300.	U	1300.	U
4-NITROANILINE	96000.	U	6400.	U	6400.	U	6400.	U
4,6-DINITRO-2-METHYLPHENOL	96000.	U	6400.	U	6400.	U	6400.	U
N-NITROSODIPHENYLAMINE	20000.	U	1300.	U	1300.	U	1300.	U
4-BROMOPHENYL PHENYL ETHER	20000.	U	1300.	U	1300.	U	1300.	U
HEXACHLOROBENZENE	20000.	U	1300.	U	1300.	U	1300.	U
PENTACHLOROPHENOL	96000.	U	6400.	U	6400.	U	6400.	U
PHENANTHRENE	20000.	U	1300.	U	1300.	U	1300.	U
ANTHRACENE	20000.	U	1300.	U	1300.	U	1300.	U
DI-N-BUTYLPHthalate	20000.	U	1300.	U	1300.	U	1300.	U
FLUORANTHENE	20000.	U	1300.	U	1300.	U	1300.	U
BENZIDINE	190000.	U	13000.	U	13000.	U	13000.	U
PYRENE	20000.	U	1300.	U	1300.	U	1300.	U
BUTYL BENZYL PHTHALATE	20000.	U	1300.	U	1300.	U	1300.	U
DICHLOROBENZIDINE	40000.	U	2600.	U	2600.	U	2600.	U
D(A)ANTHRACENE	20000.	U	1300.	U	1300.	U	1300.	U
BIS(2-ETHYLHEXYL)PHTHALATE	20000.	U	1300.	U	1300.	U	1300.	U
CHRYSENE	20000.	U	1300.	U	1300.	U	1300.	U
DI-N-OCTYL PHTHALATE	20000.	U	1300.	U	1300.	U	1300.	U
BENZO(B)FLUORANTHENE	20000.	U	1300.	U	1300.	U	1300.	U
BENZO(K)FLUORANTHENE	20000.	U	1300.	U	1300.	U	1300.	U
BENZO(A)PYRENE	20000.	U	1300.	U	1300.	U	1300.	U
INDENO(1,2,3-CD)PYRENE	20000.	U	1300.	U	1300.	U	1300.	U
DIBENZO(A,H)ANTHRACENE	20000.	U	1300.	U	1300.	U	1300.	U
BENZO(G,H,I)PERYLENE	20000.	U	1300.	U	1300.	U	1300.	U

300846

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

CLIENT: ECONDMY PRODUCTS/CAPITOL OIL
 ANALYST/ENTRY: C64

MATRIX: SEDIMENT
 METHOD: 9301H05
 REVIEWER: GLS AM

UNITS: UG/KG
 CASE: 2854
 DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1809		AR1810		AR1811		AR1812	
-NITROSODIMETHYLAMINE	1700.	U	3300.	U	3300.	U	1700.	U
MENDL	1700.	U	3300.	U	3300.	U	1700.	U
NILINE	1700.	U	3300.	U	3300.	U	1700.	U
IS(2-CHLOROETHYL) ETHER	1700.	U	3300.	U	3300.	U	1700.	U
-CHLOROPHENOL	1700.	U	3300.	U	3300.	U	1700.	U
,3 DICHLOROBENZENE	1700.	U	3300.	U	3300.	U	1700.	U
,4 DICHLOROBENZENE	1700.	U	3300.	U	3300.	U	1700.	U
ENZYL ALCOHOL	1700.	U	3300.	U	3300.	U	1700.	U
,2 DICHLOROBENZENE	1700.	U	3300.	U	3300.	U	1700.	U
-METHYLPHENOL	1700.	U	3300.	U	3300.	U	1700.	U
IS(2-CHLOROISOPROPYL) ETHER	1700.	U	3300.	U	3300.	U	1700.	U
-METHYLPHENOL	1700.	U	3300.	U	3300.	U	1700.	U
-NITROSD-DIPROPYLAMINE	1700.	U	3300.	U	3300.	U	1700.	U
EXACHLOROETHANE	1700.	U	3300.	U	3300.	U	1700.	U
ITROBENZENE	1700.	U	3300.	U	3300.	U	1700.	U
SOPHORONE	1700.	U	3300.	U	3300.	U	1700.	U
-NITROPHENOL	1700.	U	3300.	U	3300.	U	1700.	U
,4-DIMETHYLPHENOL	1700.	U	3300.	U	3300.	U	1700.	U
IC ACID	8000.	U	16000.	U	16000.	U	8000.	U
(2-CHLOROETHOXY) METHANE	1700.	U	3300.	U	3300.	U	1700.	U
,4 DICHLOROPHENOL	1700.	U	3300.	U	3300.	U	1700.	U
,2,4-TRICHLOROBENZENE	1700.	U	3300.	U	3300.	U	1700.	U
APHTHALENE	1700.	U	3300.	U	3300.	U	1700.	U
-CHLORDANILINE	1700.	U	3300.	U	3300.	U	1700.	U
EXACHLOROBUTADIENE	1700.	U	3300.	U	3300.	U	1700.	U
-CHLORO-3-METHYLPHENOL	1700.	U	3300.	U	3300.	U	1700.	U
-METHYLNAPHTHALENE	5800.	U	3300.	U	3300.	U	1700.	U
EXACHLOROCYCLOPENTADIENE	1700.	U	3300.	U	3300.	U	1700.	U
,4,6-TRICHLOROPHENOL	1700.	U	3300.	U	3300.	U	1700.	U
,4,5-TRICHLOROPHENOL	8000.	U	16000.	U	16000.	U	8000.	U
-CHLORONAPHTHALENE	1700.	U	3300.	U	3300.	U	1700.	U
-NITROANILINE	8000.	U	16000.	U	16000.	U	8000.	U
IMETHYLPHTHALATE	1700.	U	3300.	U	3300.	U	1700.	U
ENAPHTHYLENE	1700.	U	3300.	U	3300.	U	1700.	U
-NITROANILINE	8000.	U	16000.	U	16000.	U	8000.	U
ENAPHTHENE	1700.	U	3300.	U	3300.	U	1700.	U
,4-DINITROPHENOL	1700.	U	3300.	U	3300.	U	1700.	U
-NITROPHENOL	8000.	U	16000.	U	16000.	U	8000.	U
IBENZOFURAN	1700.	U	3300.	U	3300.	U	1700.	U
,4-DINITROTOULENE	1700.	U	3300.	U	3300.	U	1700.	U

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 EAL
 E PREF: _____ ANALYST/ENTRY: C66

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: CCS PLA

UNITS: UG/KG
 CASE: 2854
 DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1809		AR1810		AR1811		AR1812	
2,6-DINITROTOLUENE	1700.	U	3300.	U	3300.	U	1700.	U
DIETHYLPHTHALATE	1700.	U	3300.	U	3300.	U	1700.	U
4-CHLOROPHENYL PHENYL ETHER	1700.	U	3300.	U	3300.	U	1700.	U
FLUDRENE	1700.	U	3300.	U	3300.	U	1700.	U
4-NITROANILINE	8000.	U	16000.	U	16000.	U	8000.	U
4,6-DINITRO-2-METHYLPHENOL	8000.	U	16000.	U	16000.	U	8000.	U
N-NITROSDIPHENYLAMINE	1700.	U	3300.	U	3300.	U	1700.	U
4-BROMOPHENYL PHENYL ETHER	1700.	U	3300.	U	3300.	U	1700.	U
HEXACHLOROBENZENE	1700.	U	3300.	U	3300.	U	1700.	U
PENTACHLOROPHENOL	8000.	U	16000.	U	16000.	U	8000.	U
PHENANTHRENE	1700.	U	3300.	U	3300.	U	3700.	U
ANTHRACENE	2000.	U	3300.	U	3300.	U	1700.	U
DI-N-BUTYLPHTHALATE	1700.	U	3300.	U	3300.	U	1700.	U
FLUDRANTHENE	1700.	U	3300.	U	3300.	U	8000.	U
BENZIDINE	16000.	U	32000.	U	32000.	U	16000.	U
PYRENE	1100.	U	3300.	U	3300.	U	1200.	U
BUTYL BENZYL PHTHALATE	1700.	U	3300.	U	3300.	U	1700.	U
1,3-DICHLOROBENZIDINE	3300.	U	6600.	U	6600.	U	3300.	U
1,8-DIAZANTHRACENE	1700.	U	3300.	U	3300.	U	3700.	U
2-ETHYLHEXYL PHTHALATE	1700.	U	3300.	U	3300.	U	1300.	U
CHRYSENE	1100.	U	3300.	U	3300.	U	2200.	U
DI-N-OCTYL PHTHALATE	1700.	U	3300.	U	3300.	U	1700.	U
BENZO(B)FLUORANTHENE	1700.	U	3300.	U	3300.	U	1700.	U
BENZO(K)FLUORANTHENE	1700.	U	3300.	U	3300.	U	730.	U
BENZO(A)PYRENE	1700.	U	3300.	U	3300.	U	1500.	U
INDENO(1,2,3-CD)PYRENE	1700.	U	3300.	U	3300.	U	1700.	U
DIBENZO(A,H)ANTHRACENE	1700.	U	3300.	U	3300.	U	1700.	U
BENZO(G,H,I)PERYLENE	1700.	U	3300.	U	3300.	U	1700.	U

300848

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
EAL
PREP: ----- ANALYST/ENTRY: C64

MATRIX: SEDIMENT
METHOD: 9301M05
REVIEWER: 663 SLA

UNITS: UG/KG
CASE: 2854
DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1813		AR1814		AR1815		AR1816	
N-NITROSODIMETHYLAMINE	79000.	U	20000.	U	20000.	U	1700.	U
PHENOL	79000.	U	20000.	U	20000.	U	1700.	U
ANILINE	79000.	U	20000.	U	20000.	U	1700.	U
BIS(2-CHLOROETHYL) ETHER	79000.	U	20000.	U	20000.	U	1700.	U
2-CHLOROPHENOL	79000.	U	20000.	U	20000.	U	1700.	U
1,3 DICHLOROBENZENE	79000.	U	20000.	U	20000.	U	1700.	U
1,4 DICHLOROBENZENE	79000.	U	20000.	U	20000.	U	1700.	U
BENZYL ALCOHOL	79000.	U	20000.	U	20000.	U	1700.	U
1,2 DICHLOROBENZENE	79000.	U	20000.	U	20000.	U	1700.	U
2-METHYLPHENOL	79000.	U	20000.	U	20000.	U	1700.	U
BIS(2-CHLOROISOPROPYL) ETHER	79000.	U	20000.	U	20000.	U	1700.	U
4-METHYLPHENOL	79000.	U	20000.	U	20000.	U	1700.	U
N-NITROSO-DIPROPYLAMINE	79000.	U	20000.	U	20000.	U	1700.	U
HEXACHLOROETHANE	79000.	U	20000.	U	20000.	U	1700.	U
NITROBENZENE	79000.	U	20000.	U	20000.	U	1700.	U
ISOPHORONE	79000.	U	20000.	U	20000.	U	1700.	U
2-NITROPHENOL	79000.	U	20000.	U	20000.	U	1700.	U
DIMETHYLPHENOL	79000.	U	20000.	U	20000.	U	1700.	U
DIC ACID	380000.	U	96000.	U	96000.	U	8000.	U
BIS(2-CHLOROETHOXY) METHANE	79000.	U	20000.	U	20000.	U	1700.	U
2,4 DICHLOROPHENOL	79000.	U	20000.	U	20000.	U	1700.	U
1,2,4-TRICHLOROBENZENE	79000.	U	20000.	U	20000.	U	1700.	U
NAPHTHALENE	79000.	U	20000.	U	20000.	U	1700.	U
4-CHLOROANILINE	79000.	U	20000.	U	20000.	U	1700.	U
HEXACHLOROBUTADIENE	79000.	U	20000.	U	20000.	U	1700.	U
4-CHLORO-3-METHYLPHENOL	79000.	U	20000.	U	20000.	U	1700.	U
2-METHYLNAPHTHALENE	79000.	U	20000.	U	20000.	U	1700.	U
HEXACHLOROCYCLOPENTADIENE	79000.	U	20000.	U	20000.	U	1700.	U
2,4,6-TRICHLOROPHENOL	79000.	U	20000.	U	20000.	U	1700.	U
2,4,5-TRICHLOROPHENOL	380000.	U	96000.	U	96000.	U	8000.	U
2-CHLORONAPHTHALENE	79000.	U	20000.	U	20000.	U	1700.	U
2-NITROANILINE	380000.	U	96000.	U	96000.	U	8000.	U
DIMETHYLPHTHALATE	79000.	U	20000.	U	20000.	U	1700.	U
ACENAPHTHYLENE	79000.	U	20000.	U	20000.	U	1700.	U
3-NITROANILINE	380000.	U	96000.	U	96000.	U	8000.	U
ACENAPHTHENE	79000.	U	20000.	U	20000.	U	1700.	U
2,4-DINITROPHENOL	79000.	U	20000.	U	20000.	U	1700.	U
4-NITROPHENOL	380000.	U	96000.	U	96000.	U	8000.	U
BIBENZOFURAN	79000.	U	20000.	U	20000.	U	1700.	U
2,4-DINITROTOULENE	79000.	U	20000.	U	20000.	U	1700.	U

300849

TITLE: ECONOMY PRODUCTS/CAFITOL OIL
EAL
PREP:----- ANALYST/ENTRY: C66

MATRIX: SEDIMENT
METHOD: 9301M05
REVIEWER: BCS ALA

UNITS: UG/KG
CASE: 2854
DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AQ1913		AQ1814		AQ1815		AQ1816	
2,6-DINITROTOLUENE	79000.	U	20000.	U	20000.	U	1700.	U
DIETHYLPHTHALATE	79000.	U	20000.	U	20000.	U	1700.	U
4-CHLOROPHENYL PHENYL ETHER	79000.	U	20000.	U	20000.	U	1700.	U
FLUORENE	79000.	U	20000.	U	20000.	U	1700.	U
4-NITROANILINE	380000.	U	96000.	U	96000.	U	8000.	U
4,6-DINITRO-2-METHYLPHENOL	380000.	U	96000.	U	96000.	U	8000.	U
N-NITROSODIPHENYLAMINE	79000.	U	20000.	U	20000.	U	1700.	U
4-BROMOPHENYL PHENYL ETHER	79000.	U	20000.	U	20000.	U	1700.	U
HEXACHLOROBENZENE	79000.	U	20000.	U	20000.	U	1700.	U
PENTACHLOROPHENOL	380000.	U	96000.	U	96000.	U	8000.	U
PHENANTHRENE	79000.	U	20000.	U	20000.	U	1700.	U
ANTHRACENE	79000.	U	20000.	U	20000.	U	1700.	U
DI-N-BUTYLPHTHALATE	79000.	U	20000.	U	20000.	U	1700.	U
FLUORANTHENE	79000.	U	20000.	U	20000.	U	1700.	U
BENZIDINE	770000.	U	190000.	U	190000.	U	16000.	U
PYRENE	79000.	U	20000.	U	20000.	U	1700.	U
BUTYL BENZYL PHTHALATE	79000.	U	20000.	U	20000.	U	1700.	U
DICHLOROBENZIDINE	160000.	U	40000.	U	40000.	U	3300.	U
1(A)ANTHRACENE	79000.	U	20000.	U	20000.	U	1700.	U
1,2-ETHYLHEXYL)PHTHALATE	79000.	U	20000.	U	20000.	U	1700.	U
CHRYSENE	79000.	U	20000.	U	20000.	U	1700.	U
DI-N-OCTYL PHTHALATE	79000.	U	20000.	U	20000.	U	1700.	U
BENZO(B)FLUORANTHENE	79000.	U	20000.	U	20000.	U	1700.	U
BENZO(K)FLUORANTHENE	79000.	U	20000.	U	20000.	U	1700.	U
BENZO(A)PYRENE	79000.	U	20000.	U	20000.	U	1700.	U
INDENO(1,2,3-CD)PYRENE	79000.	U	20000.	U	20000.	U	1700.	U
DIBENZO(A,H)ANTHRACENE	79000.	U	20000.	U	20000.	U	1700.	U
BENZO(G,H,I)PERYLENE	79000.	U	20000.	U	20000.	U	1700.	U

ANALYSIS TYPE: SEMIVOLATILES (PAGE 1)

300850

TITLE: ECONOMY PRODUCTS/CAPITOL DIL
EAL
PREP: ----- ANALYST/ENTRY: C64

MATRIX: SEDIMENT
METHOD: 9301M05
REVIEWER: *GLS* *SLM*

UNITS: UG/KG
CASE: 2854
DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1817		AR1818		AR1819		AR1820	
N-NITROSODIMETHYLAMINE	330	U	330	U	79000.	U	40000.	U
PHENOL	330	U	330	U	79000.	U	40000.	U
ANILINE	330	U	330	U	79000.	U	40000.	U
BIS(2-CHLOROETHYL) ETHER	330	U	330	U	79000.	U	40000.	U
2-CHLOROPHENOL	330	U	330	U	79000.	U	40000.	U
1,3-DICHLOROBENZENE	330	U	330	U	79000.	U	40000.	U
1,4-DICHLOROBENZENE	330	U	330	U	79000.	U	40000.	U
BENZYL ALCOHOL	330	U	330	U	79000.	U	40000.	U
1,2-DICHLOROBENZENE	330	U	330	U	79000.	U	40000.	U
2-METHYLPHENOL	330	U	330	U	79000.	U	40000.	U
BIS(2-CHLOROISOPROPYL) ETHER	330	U	330	U	79000.	U	40000.	U
4-METHYLPHENOL	330	U	330	U	79000.	U	40000.	U
N-NITROSO-DIPROPYLAMINE	330	U	330	U	79000.	U	40000.	U
HEXACHLOROETHANE	330	U	330	U	79000.	U	40000.	U
NITROBENZENE	330	U	330	U	79000.	U	40000.	U
ISOPHORONE	330	U	330	U	79000.	U	40000.	U
2-NITROPHENOL	330	U	330	U	79000.	U	40000.	U
2,4-DIMETHYLPHENOL	330	U	330	U	79000.	U	40000.	U
FUMARIC ACID	1600.	U	1600.	U	380000.	U	190000.	U
BIS(2-CHLOROETHOXY) METHANE	330	U	330	U	79000.	U	40000.	U
2,4-DICHLOROPHENOL	330	U	330	U	79000.	U	40000.	U
1,2,4-TRICHLOROBENZENE	330	U	330	U	79000.	U	40000.	U
NAFTHALENE	330	U	330	U	79000.	U	40000.	U
4-CHLORODANILINE	330	U	330	U	79000.	U	40000.	U
HEXACHLOROBUTADIENE	330	U	330	U	79000.	U	40000.	U
4-CHLORO-3-METHYLPHENOL	330	U	330	U	79000.	U	40000.	U
2-METHYLNAPHTHALENE	330	U	330	U	79000.	U	40000.	U
HEXACHLOROCYCLOPENTADIENE	330	U	330	U	79000.	U	40000.	U
2,4,6-TRICHLOROPHENOL	330	U	330	U	79000.	U	40000.	U
2,4,5-TRICHLOROPHENOL	1600.	U	1600.	U	380000.	U	190000.	U
2-CHLORONAPHTHALENE	330	U	330	U	79000.	U	40000.	U
2-NITROANILINE	1600.	U	1600.	U	380000.	U	190000.	U
DIMETHYLPHTHALATE	330	U	330	U	79000.	U	40000.	U
ACENAPHTHYLENE	330	U	330	U	79000.	U	40000.	U
3-NITROANILINE	1600.	U	1600.	U	380000.	U	190000.	U
ACENAPHTHENE	330	U	330	U	79000.	U	40000.	U
2,4-DINITROPHENOL	330	U	330	U	79000.	U	40000.	U
4-NITROPHENOL	1600.	U	1600.	U	380000.	U	190000.	U
DIBENZOFURAN	330	U	330	U	79000.	U	40000.	U
2,4-DINITROTOULENE	330	U	330	U	79000.	U	40000.	U

300851

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
EAL
PREP:----- ANALYST/ENTRY: C66

MATRIX: SEDIMENT
METHOD: 9301M05
REVIEWER: --- *LLS* *PCM*
UNITS: UG/KG
CASE: 2534
DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1817		AR1818		AR1819		AR1820	
2,6-DINITROTOLUENE	330	U	330	U	79000.	U	40000.	U
DIETHYLPHTHALATE	330	U	330	U	79000.	U	40000.	U
4-CHLOROPHENYL PHENYL ETHER	330	U	330	U	79000.	U	40000.	U
FLUORENE	330	U	330	U	79000.	U	40000.	U
4-NITROANILINE	1600.	U	1600.	U	380000.	U	190000.	U
2,4,6-DINITRO-2-METHYLPHENOL	1600.	U	1600.	U	380000.	U	190000.	U
N-NITROSODIPHENYLAMINE	330	U	330	U	79000.	U	40000.	U
4-BROMOPHENYL PHENYL ETHER	330	U	330	U	79000.	U	40000.	U
HEXACHLOROBENZENE	330	U	330	U	79000.	U	40000.	U
PENTACHLOROPHENOL	1600.	U	1600.	U	380000.	U	190000.	U
PHENANTHRENE	330	U	330	U	79000.	U	40000.	U
ANTHRACENE	330	U	330	U	79000.	U	40000.	U
DI-N-BUTYLPHTHALATE	330	U	330	U	79000.	U	40000.	U
FLUORANTHENE	330	U	330	U	79000.	U	40000.	U
BENZIDINE	3200.	U	3200.	U	770000.	U	380000.	U
PYRENE	330	U	720.	U	79000.	U	40000.	U
BUTYL BENZYL PHTHALATE	330	U	330	U	79000.	U	40000.	U
3,4-DICHLOROBENZIDINE	660	U	660	U	160000.	U	79000.	U
1,2,3,4-TETRA(1,2,3,4)ANTHRACENE	330	U	330	U	79000.	U	40000.	U
1,2,3,4-TETRA(1,2,3,4)ANTHRACENE	1000.	U	700.	U	79000.	U	40000.	U
CHRYSENE	330	U	330	U	79000.	U	40000.	U
DI-N-OCTYL PHTHALATE	850.	U	330	U	79000.	U	40000.	U
BENZO(B)FLUORANTHENE	330	U	330	U	79000.	U	40000.	U
BENZO(K)FLUORANTHENE	330	U	330	U	79000.	U	40000.	U
BENZO(A)PYRENE	330	U	330	U	79000.	U	40000.	U
INDENO(1,2,3-CD)PYRENE	330	U	330	U	79000.	U	40000.	U
DIBENZO(A,H)ANTHRACENE	330	U	330	U	79000.	U	40000.	U
BENZO(G,H,I)PERYLENE	330	U	330	U	79000.	U	40000.	U

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
EAL
PREP: ----- ANALYST/ENTRY: C65

MATRIX: SEDIMENT
METHOD: 9301M05
REVIEWER: KLS BBM

UNITS: UG/KG
CASE: 2854
DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1821		AR1822		AR1823		AR1824	
N-NITROSODIMETHYLAMINE	99000.	U	330	U	1700.	U	20000.	U
PHENOL	99000.	U	330	U	1700.	U	20000.	U
ANILINE	99000.	U	330	U	1700.	U	20000.	U
BIS(2-CHLOROETHYL) ETHER	99000.	U	330	U	1700.	U	20000.	U
2-CHLOROPHENOL	99000.	U	330	U	1700.	U	20000.	U
1,3 DICHLOROBENZENE	99000.	U	330	U	1700.	U	20000.	U
1,4 DICHLOROBENZENE	99000.	U	330	U	1700.	U	20000.	U
BENZYL ALCOHOL	99000.	U	330	U	1700.	U	20000.	U
1,2 DICHLOROBENZENE	99000.	U	330	U	1700.	U	20000.	U
2-METHYLPHENOL	99000.	U	330	U	1700.	U	20000.	U
BIS(2-CHLOROISOPROPYL) ETHER	99000.	U	330	U	1700.	U	20000.	U
4-METHYLPHENOL	99000.	U	330	U	1700.	U	20000.	U
N-NITROSO-DIPROPYLAMINE	99000.	U	330	U	1700.	U	20000.	U
HEXACHLOROETHANE	99000.	U	330	U	1700.	U	20000.	U
NITROBENZENE	99000.	U	330	U	1700.	U	20000.	U
ISOPHORONE	99000.	U	330	U	1700.	U	20000.	U
2-NITROPHENOL	99000.	U	330	U	1700.	U	20000.	U
4-DIMETHYLPHENOL	99000.	U	330	U	1700.	U	20000.	U
HOIC ACID	480000.	U	1600.	U	8000.	U	96000.	U
(2-CHLOROETHOXY) METHANE	99000.	U	330	U	1700.	U	20000.	U
2,4 DICHLOROPHENOL	99000.	U	330	U	1700.	U	20000.	U
1,2,4-TRICHLOROBENZENE	99000.	U	330	U	1700.	U	20000.	U
NAFTHALENE	99000.	U	330	U	1700.	U	20000.	U
4-CHLOROANILINE	99000.	U	330	U	1700.	U	20000.	U
HEXACHLOROBUTADIENE	99000.	U	330	U	1700.	U	20000.	U
4-CHLORO-3-METHYLPHENOL	99000.	U	330	U	1700.	U	20000.	U
2-METHYLNAPHTHALENE	99000.	U	330	U	1700.	U	20000.	U
HEXACHLOROCYCLOPENTADIENE	99000.	U	330	U	1700.	U	20000.	U
2,4,6-TRICHLOROPHENOL	99000.	U	330	U	1700.	U	20000.	U
2,4,5-TRICHLOROPHENOL	480000.	U	1600.	U	8000.	U	96000.	U
2-CHLORONAPHTHALENE	99000.	U	330	U	1700.	U	20000.	U
2-NITROANILINE	480000.	U	1600.	U	8000.	U	96000.	U
DIMETHYLPHTHALATE	99000.	U	330	U	1700.	U	20000.	U
ACENAPHTHYLENE	99000.	U	330	U	1700.	U	20000.	U
3-NITROANILINE	480000.	U	1600.	U	8000.	U	96000.	U
ACENAPHTHENE	99000.	U	330	U	1700.	U	20000.	U
2,4-DINITROPHENOL	99000.	U	330	U	1700.	U	20000.	U
4-NITROPHENOL	480000.	U	1600.	U	8000.	U	96000.	U
DIBENZOFURAN	99000.	U	330	U	1700.	U	20000.	U
2,4-DINITROTOLUENE	99000.	U	330	U	1700.	U	20000.	U

300853

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 AB: EAL
 E PREP:----- ANALYST/ENTRY: C67

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: --*KS PLM*

UNITS: UG/KG
 CASE: 2854
 DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1821		AR1822		AR1823		AR1824	
2,6-DINITROTOLUENE	99000.	U	330	U	1700.	U	20000.	U
DIETHYLPHTHALATE	99000.	U	330	U	1700.	U	20000.	U
4-CHLOROPHENYL PHENYL ETHER	99000.	U	330	U	1700.	U	20000.	U
FLUORENE	99000.	U	330	U	1700.	U	20000.	U
4-NITROANILINE	480000.	U	1600.	U	8000.	U	96000.	U
4,6-DINITRO-2-METHYLPHENOL	480000.	U	1600.	U	8000.	U	96000.	U
N-NITROSODIPHENYLAMINE	99000.	U	330	U	1700.	U	20000.	U
4-BROMOPHENYL PHENYL ETHER	99000.	U	330	U	1700.	U	20000.	U
HEXACHLOROBENZENE	99000.	U	330	U	1700.	U	20000.	U
PENTACHLOROPHENOL	480000.	U	1600.	U	8000.	U	96000.	U
PHENANTHRENE	99000.	U	330	U	1700.	U	20000.	U
ANTHRACENE	99000.	U	330	U	1700.	U	20000.	U
DI-N-BUTYLPHTHALATE	99000.	U	330	U	1700.	U	20000.	U
FLUORANTHENE	99000.	U	330	U	1700.	U	20000.	U
BENZIDINE	960000.	U	3200.	U	16000.	U	190000.	U
PYRENE	99000.	U	330	U	1700.	U	20000.	U
BUTYL BENZYL PHTHALATE	99000.	U	330	U	1700.	U	20000.	U
3,3' DICHLOROBENZIDINE	200000.	U	660	U	3300.	U	40000.	U
BENZO(A)ANTHRACENE	99000.	U	330	U	1700.	U	20000.	U
BENZO(B)ANTHRACENE	99000.	U	330	U	1700.	U	20000.	U
BENZO(K)ANTHRACENE	99000.	U	330	U	1700.	U	20000.	U
BENZO(A)PYRENE	99000.	U	330	U	1700.	U	20000.	U
INDENO(1,2,3-CD)PYRENE	99000.	U	330	U	1700.	U	20000.	U
DIBENZO(A,H)ANTHRACENE	99000.	U	330	U	1700.	U	20000.	U
BENZO(G,H,I)PERYLENE	99000.	U	330	U	1700.	U	20000.	U

FILE: ECONOMY PRODUCTS/CAPITOL OIL

MATRIX: SEDIMENT

UNITS: UG/KG

EAL

METHOD: 9301M05

CASE: 2854

PREF:----- ANALYST/ENTRY: C65

REVIEWER: --*KS-BGM*

DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1825		AR1826		AR1827		AR1828	
NITROSODIMETHYLAMINE	20000.	U	1700.	U	1700.	U	330	U
PHENOL	20000.	U	1700.	U	1700.	U	330	U
ANILINE	20000.	U	1700.	U	1700.	U	330	U
S(2-CHLOROETHYL) ETHER	20000.	U	1700.	U	1700.	U	330	U
CHLOROPHENOL	20000.	U	1700.	U	1700.	U	330	U
1,3-DICHLOROBENZENE	20000.	U	1700.	U	1700.	U	330	U
1,4-DICHLOROBENZENE	20000.	U	1700.	U	1700.	U	330	U
BENZYL ALCOHOL	20000.	U	1700.	U	1700.	U	330	U
1,2-DICHLOROBENZENE	20000.	U	1700.	U	1700.	U	330	U
METHYLPHENOL	20000.	U	1700.	U	1700.	U	330	U
S(2-CHLOROISOPROPYL) ETHER	20000.	U	1700.	U	1700.	U	330	U
METHYLPHENOL	20000.	U	1700.	U	1700.	U	330	U
NITROSO-DIPROPYLAMINE	20000.	U	1700.	U	1700.	U	330	U
1,2-DICHLOROETHANE	20000.	U	1700.	U	1700.	U	330	U
1,4-DIBENZENE	20000.	U	1700.	U	1700.	U	330	U
1,2-DICHLOROETHANE	20000.	U	1700.	U	1700.	U	330	U
NITROPHENOL	20000.	U	1700.	U	1700.	U	330	U
1,2-DIMETHYLPHENOL	20000.	U	1700.	U	1700.	U	330	U
1,2-DICHLOROACID	96000.	U	8000.	U	8000.	U	1600.	U
1,2-DICHLORO(ETHOXY) METHANE	20000.	U	1700.	U	1700.	U	330	U
1,4-DICHLOROPHENOL	20000.	U	1700.	U	1700.	U	330	U
2,4-TRICHLOROBENZENE	20000.	U	1700.	U	1700.	U	330	U
1,2-DICHLOROPHENOL	20000.	U	1700.	U	1700.	U	330	U
CHLOROANILINE	20000.	U	1700.	U	1700.	U	330	U
1,2-DICHLOROBUTADIENE	20000.	U	1700.	U	1700.	U	330	U
1,2-DICHLORO-3-METHYLPHENOL	20000.	U	1700.	U	1700.	U	330	U
1,2-DIMETHYLNAPHTHALENE	20000.	U	1700.	U	1700.	U	330	U
1,2-DICHLOROCYCLOPENTADIENE	20000.	U	1700.	U	1700.	U	330	U
1,4,6-TRICHLOROPHENOL	20000.	U	1700.	U	1700.	U	330	U
1,4,5-TRICHLOROPHENOL	96000.	U	8000.	U	8000.	U	1600.	U
1,2-DICHLORONAPHTHALENE	20000.	U	1700.	U	1700.	U	330	U
NITROANILINE	96000.	U	8000.	U	8000.	U	1600.	U
METHYLPHTHALATE	20000.	U	1700.	U	1700.	U	330	U
1,2-DICHLORONAPHTHALENE	20000.	U	1700.	U	1700.	U	330	U
NITROANILINE	96000.	U	8000.	U	8000.	U	1600.	U
1,2-DICHLORONAPHTHALENE	20000.	U	1700.	U	1700.	U	330	U
1,4-DINITROPHENOL	20000.	U	1700.	U	1700.	U	330	U
NITROPHENOL	96000.	U	8000.	U	8000.	U	1600.	U
BENZOFURAN	20000.	U	1700.	U	1700.	U	330	U
1,4-DINITROTOLUENE	20000.	U	1700.	U	1700.	U	330	U

300855

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 EAL
 PREP: _____ ANALYST/ENTRY: C67

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: *bcg p61*

UNITS: UG/KG
 CASE: 2854
 DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AQ1825		AQ1826		AQ1827		AQ1828	
2,6-DINITROTOLUENE	20000.	U	1700.	U	1700.	U	330	U
DIETHYLPHTHALATE	20000.	U	1700.	U	1700.	U	330	U
4-CHLOROPHENYL PHENYL ETHER	20000.	U	1700.	U	1700.	U	330	U
FLUORENE	20000.	U	1700.	U	1700.	U	1400.	J
4-NITROANILINE	96000.	U	8000.	U	8000.	U	1600.	U
2,4,6-DINITRO-2-METHYLPHENOL	96000.	U	8000.	U	8000.	U	1600.	U
4-N-NITROSODIPHENYLAMINE	20000.	U	1700.	U	1700.	U	330	U
4-BROMOPHENYL PHENYL ETHER	20000.	U	1700.	U	1700.	U	330	U
HEXACHLOROBENZENE	20000.	U	1700.	U	1700.	U	330	U
PENTACHLOROPHENOL	96000.	U	8000.	U	8000.	U	1600.	U
PHENANTHRENE	20000.	U	1300.	M	2300.	J	10000.	J
ANTHRACENE	20000.	U	1700.	U	1700.	U	330	U
DI-N-BUTYLPHTHALATE	20000.	U	1700.	U	1700.	U	330	U
FLUORANTHENE	20000.	U	1900.	J	3200.	J	8500.	J
BENZIDINE	190000.	U	16000.	U	16000.	U	3200.	U
PYRENE	20000.	U	920.	M	850.	M	330	U
BUTYL BENZYL PHTHALATE	20000.	U	1700.	U	1700.	U	330	U
1,3-DICHLOROBENZIDINE	40000.	U	3300.	U	3300.	U	660	U
1(A)ANTHRACENE	20000.	U	1200.	M	1500.	M	330	U
2-ETHYLHEXYL)PHTHALATE	20000.	U	1700.	U	500.	M	330	U
CHRYSENE	20000.	U	1100.	M	1400.	M	330	U
DI-N-OCTYL PHTHALATE	20000.	U	1700.	U	1700.	U	330	U
BENZO(B)FLUORANTHENE	20000.	U	1700.	U	1700.	U	1000.	J
BENZO(K)FLUORANTHENE	20000.	U	1700.	U	170.	M	330	U
BENZO(A)PYRENE	20000.	U	1700.	U	1700.	J	330	U
INDENO(1,2,3-CD)PYRENE	20000.	U	1700.	U	1700.	U	330	U
DIBENZO(A,H)ANTHRACENE	20000.	U	1700.	U	1700.	U	330	U
BENZO(G,H,I)PERYLENE	20000.	U	1700.	U	1700.	U	330	U

300856

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
EAL
PREF: _____ ANALYST/ENTRY: C65

MATRIX: SEDIMENT
METHOD: 9301M05
REVIEWER: ~~665~~ 664

UNITS: UG/g
CASE: 2854
DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1829		AR1831		AR1832		AR1833
N-NITROSODIMETHYLAMINE	330	U	20000.	U	20000.	U	200000.
PHENOL	330	U	20000.	U	20000.	U	200000.
ANILINE	330	U	20000.	U	20000.	U	200000.
BIS(2-CHLOROETHYL) ETHER	330	U	20000.	U	20000.	U	200000.
2-CHLOROPHENOL	330	U	20000.	U	20000.	U	200000.
1,3-DICHLOROBENZENE	330	U	20000.	U	20000.	U	200000.
1,4-DICHLOROBENZENE	330	U	20000.	U	20000.	U	200000.
BENZYL ALCOHOL	330	U	20000.	U	20000.	U	200000.
1,2-DICHLOROBENZENE	330	U	20000.	U	20000.	U	200000.
2-METHYLPHENOL	330	U	20000.	U	20000.	U	200000.
BIS(2-CHLOROISOPROPYL) ETHER	330	U	20000.	U	20000.	U	200000.
4-METHYLPHENOL	330	U	20000.	U	20000.	U	200000.
N-NITROSO-DIPROPYLAMINE	330	U	20000.	U	20000.	U	200000.
HEXACHLOROETHANE	330	U	20000.	U	20000.	U	200000.
NITROBENZENE	330	U	20000.	U	20000.	U	200000.
ISOPHORONE	330	U	20000.	U	20000.	U	200000.
2-NITROPHENOL	330	U	20000.	U	20000.	U	200000.
1,4-DIMETHYLPHENOL	330	U	20000.	U	20000.	U	200000.
TRIC ACID	1600.	U	96000.	U	96000.	U	960000.
(2-CHLOROETHOXY) METHANE	330	U	20000.	U	20000.	U	200000.
2,4-DICHLOROPHENOL	330	U	20000.	U	20000.	U	200000.
1,2,4-TRICHLOROBENZENE	330	U	20000.	U	20000.	U	200000.
NAPHTHALENE	330	U	20000.	U	20000.	U	200000.
4-CHLOROANILINE	330	U	20000.	U	20000.	U	200000.
HEXACHLOROBUTADIENE	330	U	20000.	U	20000.	U	200000.
4-CHLORO-3-METHYLPHENOL	330	U	20000.	U	20000.	U	200000.
2-METHYLNAPHTHALENE	100	U	20000.	U	20000.	U	200000.
HEXACHLOROCYCLOPENTADIENE	330	U	20000.	U	20000.	U	200000.
2,4,6-TRICHLOROPHENOL	330	U	20000.	U	20000.	U	200000.
2,4,5-TRICHLOROPHENOL	1600.	U	96000.	U	96000.	U	960000.
2-CHLORONAPHTHALENE	330	U	20000.	U	20000.	U	200000.
2-NITROANILINE	1600.	U	96000.	U	96000.	U	960000.
DIMETHYLPHTHALATE	330	U	20000.	U	20000.	U	200000.
ACENAPHTHYLENE	160	U	20000.	U	20000.	U	200000.
3-NITROANILINE	1600.	U	96000.	U	96000.	U	960000.
ACENAPHTHENE	580	U	20000.	U	20000.	U	200000.
2,4-DINITROPHENOL	330	U	20000.	U	20000.	U	200000.
4-NITROPHENOL	1600.	U	96000.	U	96000.	U	960000.
DIBENZOFURAN	430	U	20000.	U	20000.	U	200000.
2,4-DINITROTOLUENE	330	U	20000.	U	20000.	U	200000.

TITLE: ECONOMY PRODUCTS/CAPITOL DIL
 REAL
 PREF:----- ANALYST/ENTRY: C67

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: --~~GLS~~ BGM

UNITS: UG/KG
 CASE: 2854
 DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1829	AR1831	AR1832	AR1833
2,6-DINITROTOLUENE	330 U	20000. U	20000. U	200000. U
DIETHYLPHTHALATE	330 U	20000. U	20000. U	200000. U
4-CHLOROPHENYL PHENYL ETHER	330 U	20000. U	20000. U	200000. U
1,4-DIOXANE	2690. J	20000. U	20000. U	200000. U
4-NITROANILINE	1600. U	96000. U	96000. U	960000. U
2,6-DINITRO-2-METHYLPHENOL	1600. U	96000. U	96000. U	960000. U
4-NITRODIPHENYLAMINE	330 U	20000. U	20000. U	200000. U
4-BROMOPHENYL PHENYL ETHER	330 U	20000. U	20000. U	200000. U
1,2-DICHLOROBENZENE	330 U	20000. U	20000. U	200000. U
2,4-DICHLOROPHENOL	1600. U	96000. U	96000. U	960000. U
1-BENZANTHRENE	4000. J	20000. U	20000. U	200000. U
1-ANTHRACENE	330 U	20000. U	20000. U	200000. U
1-N-BUTYLPHTHALATE	270. J	20000. U	20000. U	200000. U
1-FLUORANTHRENE	4000. J	20000. U	20000. U	200000. U
1-INDOLINE	3200. U	190000. U	190000. U	1900000. U
1-INDYLENE	4000. J	20000. U	20000. U	200000. U
1-N-BUTYL BENZYL PHTHALATE	330 U	20000. U	20000. U	200000. U
1,2-DICHLOROINDOLINE	660 U	40000. U	40000. U	400000. U
1-ANTHRACENE	1800. J	20000. U	20000. U	200000. U
1-(2-ETHYLHEXYL)PHTHALATE	400. J	33000. J	20000. U	200000. U
1-INDYLENE	1300. J	20000. U	20000. U	200000. U
1-N-OCTYL PHTHALATE	330 U	20000. U	20000. U	200000. U
1-BENZO(B)FLUORANTHRENE	2400. J	20000. U	20000. U	200000. U
1-BENZO(K)FLUORANTHRENE	330 U	20000. U	20000. U	200000. U
1-BENZO(A)PYRENE	2800. J	20000. U	20000. U	200000. U
1-INDENO(1,2,3-CD)PYRENE	330 U	20000. U	20000. U	200000. U
1-BENZO(A,H)ANTHRACENE	330 U	20000. U	20000. U	200000. U
1-BENZO(G,H,I)PERYLENE	330 U	20000. U	20000. U	200000. U

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 REAL
 PREP:----- ANALYST/ENTRY: C65

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: --- KLS/AGM

UNITS: UG/KG
 CASE: 2854
 DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1834		AR1835		AR1836		AR1837	
N-NITROSDIMETHYLAMINE	6600.	U	79000.	U	20000.	U	160000.	U
PHENOL	6600.	U	79000.	U	20000.	U	160000.	U
ANILINE	6600.	U	79000.	U	20000.	U	160000.	U
BIS(2-CHLOROETHYL) ETHER	6600.	U	79000.	U	20000.	U	160000.	U
2-CHLOROPHENOL	6600.	U	79000.	U	20000.	U	160000.	U
1,3-DICHLOROBENZENE	6600.	U	79000.	U	20000.	U	160000.	U
1,4-DICHLOROBENZENE	6600.	U	79000.	U	20000.	U	160000.	U
BENZYL ALCOHOL	6600.	U	79000.	U	20000.	U	160000.	U
1,2-DICHLOROBENZENE	6600.	U	79000.	U	20000.	U	160000.	U
2-METHYLPHENOL	6600.	U	79000.	U	20000.	U	160000.	U
BIS(2-CHLOROISOPROPYL) ETHER	6600.	U	79000.	U	20000.	U	160000.	U
4-METHYLPHENOL	6600.	U	79000.	U	20000.	U	160000.	U
N-NITROSO-DIPROPYLAMINE	6600.	U	79000.	U	20000.	U	160000.	U
HEXACHLOROETHANE	6600.	U	79000.	U	20000.	U	160000.	U
NITROBENZENE	6600.	U	79000.	U	20000.	U	160000.	U
ISOPHORONE	6600.	U	79000.	U	20000.	U	160000.	U
2-NITROPHENOL	6600.	U	79000.	U	20000.	U	160000.	U
2,4-DIMETHYLPHENOL	6600.	U	79000.	U	20000.	U	160000.	U
2,4-DICHLOROETHOXY) METHANE	32000.	U	380000.	U	96000.	U	770000.	U
2,4-DICHLOROPHENOL	6600.	U	79000.	U	20000.	U	160000.	U
1,2,4-TRICHLOROBENZENE	6600.	U	79000.	U	20000.	U	160000.	U
NAPHTHALENE	6600.	U	79000.	U	20000.	U	160000.	U
4-CHLOROANILINE	6600.	U	79000.	U	20000.	U	160000.	U
HEXACHLOROBUTADIENE	6600.	U	79000.	U	20000.	U	160000.	U
4-CHLORO-3-METHYLPHENOL	6600.	U	79000.	U	20000.	U	160000.	U
2-METHYLNAPHTHALENE	6600.	U	79000.	U	20000.	U	160000.	U
HEXACHLOROCYCLOPENTADIENE	6600.	U	79000.	U	20000.	U	160000.	U
2,4,6-TRICHLOROPHENOL	6600.	U	79000.	U	20000.	U	160000.	U
2,4,5-TRICHLOROPHENOL	32000.	U	380000.	U	96000.	U	770000.	U
2-CHLORONAPHTHALENE	6600.	U	79000.	U	20000.	U	160000.	U
2-NITROANILINE	32000.	U	380000.	U	96000.	U	770000.	U
2,4-DIMETHYLPHTHALATE	6600.	U	79000.	U	20000.	U	160000.	U
1-ACENAPHTHYLENE	6600.	U	79000.	U	20000.	U	160000.	U
3-NITROANILINE	32000.	U	380000.	U	96000.	U	770000.	U
1-ACENAPHTHENE	6600.	U	79000.	U	20000.	U	160000.	U
2,4-DINITROPHENOL	6600.	U	79000.	U	20000.	U	160000.	U
4-NITROPHENOL	32000.	U	380000.	U	96000.	U	770000.	U
2,5-DIBENZOFURAN	6600.	U	79000.	U	20000.	U	160000.	U
2,4-DINITROTOLUENE	6600.	U	79000.	U	20000.	U	160000.	U

300859

TITLE: ECONOHY PRODUCTS/CAPITOL OIL
 EAL
 REF: _____ ANALYST/ENTRY: C67

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: ~~CS-66M~~

UNITS: UG/KG
 CASE: 2854
 DATE: 01/21/85

SAMPLE NUMBERS

COMPOUND	AR1834	AR1835	AR1836	AR1837
2,6-DINITRODLUENE	6600.	U 79000.	U 20000.	U 160000.
DIETHYLFHTHALATE	6600.	U 79000.	U 20000.	U 160000.
4-CHLOROPHENYL PHENYL ETHER	6600.	U 79000.	U 20000.	U 160000.
FLUORENE	6600.	U 79000.	U 20000.	U 160000.
4-NITROANILINE	32000.	U 380000.	U 96000.	U 770000.
4,6-DINITRO-2-METHYLFHENOL	32000.	U 380000.	U 96000.	U 770000.
N-NITROSODIPHENYLAMINE	6600.	U 79000.	U 20000.	U 160000.
4-BROMOPHENYL PHENYL ETHER	6600.	U 79000.	U 20000.	U 160000.
HEXACHLOROBEZENE	6600.	U 79000.	U 20000.	U 160000.
PENTACHLOROPHENOL	32000.	U 380000.	U 96000.	U 770000.
PHENANTHRENE	6600.	U 79000. M	U 20000.	U 160000.
ANTHRACENE	6600.	U 79000.	U 20000.	U 160000.
DI-N-BUTYLFHTHALATE	6600.	U 79000.	U 20000.	U 160000.
FLUORANTHENE	6600.	U 67000. M	U 20000.	U 160000.
BENZIDINE	64000.	U 770000.	U 190000.	U 1500000.
PYRENE	2500. M	19000. M	U 20000.	U 160000. M
BUTYL BENZYL PHTHALATE	6600.	U 79000.	U 20000.	U 160000.
DICHLOROBENZIDINE	13000.	U 160000.	U 40000.	U 320000.
(A)ANTHRACENE	6600.	U 23000. M	U 20000.	U 160000.
2-ETHYLHEXYL PHTHALATE	6600.	U 79000.	U 20000.	U 160000.
CHRYSENE	6600.	U 79000.	U 20000.	U 160000.
DI-N-OCTYL PHTHALATE	6600.	U 79000.	U 20000.	U 160000.
BENZO(B)FLUORANTHENE	6600.	U 79000.	U 20000.	U 160000.
BENZO(K)FLUORANTHENE	6600.	U 79000.	U 20000.	U 160000.
BENZO(A)PYRENE	6600.	U 79000.	U 20000.	U 160000.
INDENO(1,2,3-CD)PYRENE	6600.	U 79000.	U 20000.	U 160000.
BENZ(B,A,H)ANTHRACENE	6600.	U 79000.	U 20000.	U 160000.
BENZO(G,H,I)PERYLENE	6600.	U 79000.	U 20000.	U 160000.

TENTATIVELY IDENTIFIED COMPOUNDS

300860

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *	
AQ1801	PROPYLTRIDECANE	BNA	65000	J
AQ1801	DIMETHYLPHENANTHRENE	BNA	13000	J
AQ1801	TRIMETHYLPHENANTHRENE	BNA	7900	J
AQ1801	TRIMETHYLPHENANTHRENE	BNA	6000	J
AQ1801	13 CMPDS. FOUND,CAN'T BE ID'ED	BNA		J
AQ1802	METHYLPHENANTHRENE	BNA		J
AQ1802	HEXADECANOICACID	BNA		J
AQ1802	BENZO(A)FLOURENE	BNA		J
AQ1802	10 CMPDS. FOUND,CAN'T BE ID'ED	BNA		J
AQ1803	6 CMPDS. FOUND,CAN'T BE ID'ED	BNA		J
AQ1804	NOTHING SIGNIFICANT FOUND			
AQ1805	11 CMPDS. FOUND,CAN'T BE ID'ED	BNA		J
AQ1806	NONANE	BNA	4800	J
AQ1806	DECANE	BNA	8000	J
AQ1806	ETHYLMETHYLBENZENE	BNA	3100	J
AQ1806	METHYLPROPYLBENZENE	BNA	3500	J
AQ1806	METHYL(METHYLETHYL)BENZENE	BNA	2400	J
AQ1806	UNDECANE	BNA	6100	J
AQ1806	TETRAMETHYLBENZENE	BNA	1400	J
AQ1806	METHYLNONANE	BNA	1900	J
AQ1806	METHYLNAPHTHALENE	BNA	2300	J
AQ1806	DIMETHYLNAPHTHALENE	BNA	3000	J
AQ1806	DIMETHYLNAPHTHALENE	BNA	4400	J
AQ1806	TRIMETHYLNAPHTHALENE	BNA	2700	J
AQ1806	TRIMETHYLNAPHTHALENE	BNA	2200	J

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.
** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH
NE. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY
IND MASS SPECTRA AND RETENTION TIMES.

300861

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *
AQ1806	8 CMPDS. FOUND, CAN'T BE ID'ED	BNA	J
AQ1807	5 CMPDS. FOUND, CAN'T BE ID'ED	BNA	J
AQ1808	NOTHING SIGNIFICANT FOUND		
AQ1809	TRIMETHYLNAPHTHALENE	BNA	8200 J
AQ1809	TRIMETHYLNAPHTHALENE	BNA	14000 J
AQ1809	17 CMPDS. FOUND, CAN'T BE ID'ED	BNA	J
AQ1810	NOTHING SIGNIFICANT FOUND		
AQ1811	NOTHING SIGNIFICANT FOUND		
AQ1812	1 CMPD. FOUND, CAN'T BE ID'ED	BNA	J
AQ1813	NOTHING SIGNIFICANT FOUND		
AQ1814	9 CMPDS. FOUND, CAN'T BE ID'ED	BNA	J
AQ1815	NOTHING SIGNIFICANT FOUND		
AQ1816	METHYLPYRENE	BNA	440 J
AQ1816	17 CMPDS. FOUND, CAN'T BE ID'ED	BNA	J
AQ1817	2 CMPDS. FOUND, CAN'T BE ID'ED	BNA	J
AQ1818	NOTHING SIGNIFICANT FOUND		
AQ1819	11 CMPDS. FOUND, CAN'T BE ID'ED	BNA	J
AQ1820	DECAHYDRONAPHTHALENE	BNA	J
AQ1820	15 CMPDS. FOUND, CAN'T BE ID'ED	BNA	J
AQ1821	6 CMPDS. FOUND, CAN'T BE ID'ED	BNA	J
AQ1822	1 CMPD. FOUND, CAN'T BE ID'ED	BNA	J
AQ1822	2 CMPDS. FOUND, CAN'T BE ID'ED	BNA	J
AQ1823	NOTHING SIGNIFICANT FOUND		
AQ1824	NOTHING SIGNIFICANT FOUND		
AQ1825	NOTHING SIGNIFICANT FOUND		
AQ1826	NOTHING SIGNIFICANT FOUND		

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.

** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY IR AND MASS SPECTRA AND RETENTION TIMES.

FILE: ECONDRY PRODUCTS/CAPITOL DILANALYSIS: GC/MS SCANS
MATRIX: SEDIMENT
REVIEWED BY: GCS *GS*

LAB: EAL
CASE NO: 2854
METHOD NO: 9301M05

300862

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *	
1827	NOTHING SIGNIFICANT FOUND			
1828	ETHYLMETHYLHEPTANE	BNA	230	J
1828	DIMETHYLNAPHTHALENE	BNA	1000	J
1828	DIMETHYLNAPHTHALENE	BNA	570	J
1828	TRIMETHYLNAPHTHALENE	BNA	500	J
1828	METHYLPHENANTHRENE	BNA	3100	J
1828	METHYLPHENANTHRENE	BNA	4100	J
1828	PHENYLNAPHTHALENE	BNA	1700	J
1828	TERPHENYL	BNA	510	J
1828	BENZO(C)PHENANTHRENE	BNA	2000	J
1828	10 CMFDS. FOUND,CAN'T BE ID'ED	BNA		J
1829	METHYLDIBENZOFURAN	BNA	380	J
1829	METHYLPHENANTHRENE	BNA	410	J
1829	CYCLOPENTA(DEF)PHENANTHRENE	BNA	1100	J
1829	BENZO(A)FLUORENE	BNA	720	J
1829	METHYLPYRENE	BNA	680	J
1829	BENZO(C)PHENANTHRENE	BNA	180	J
1829	METHYLBENZO(A)ANTHRACENE	BNA	120	J
1829	7 CMFDS. FOUND,CAN'T BE ID'ED	BNA		J
1831	4 CMFDS. FOUND,CAN'T BE ID'ED	BNA		J
1832	3 CMFDS. FOUND,CAN'T BE ID'ED	BNA		J
833	17 CMFDS. FOUND,CAN'T BE ID'ED	BNA		J
834	4 CMFDS. FOUND,CAN'T BE ID'ED	BNA		J
835	2 CMFDS. FOUND,CAN'T BE ID'ED	BNA		J
1836	NOTHING SIGNIFICANT FOUND			

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.

** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY AND MASS SPECTRA AND RETENTION TIMES.

FILE: ECONOMY PRODUCTS/CAPITOL DILANALYSIS: GC/MS SCANS
MIX: SEDIMENT
VIEWED BY: GCS *GLS*

UNITS: UG/KG
DATE: 1/18/85

LAB: EAL
CASE NO: 2854
METHOD NO: 9301M05

300863

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *
837	NOTHING SIGNIFICANT FOUND		

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN. THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY AND MASS SPECTRA AND RETENTION TIMES.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DATE

Jan 23, 1985

300864

SUBJECT

Transmittal of Laboratory Data

FROM

Charles P. Hensley *CPH*
Chief, Laboratory Branch, ENSV

TO

Doherty

Analyses have been completed for the following activities and the data results are attached.

Semivolatiles and GC/MS - soil (all) no water

Activity No.	Description
<i>AQ13/AQ18</i>	<i>Capitol Oil/ Economy Products</i>
	<i>Partial</i>

Attachments

cc: Data Files

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
 LAB: EAL
 SAMPLE PREP: ----- ANALYST/ENTRY: B01

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: *GCs EA*

UNITS: UG/KG
 CASE: 2B54
 DATE: 01/17/85

SAMPLE NUMBERS

300865

COMPOUND	AR1300		AR1301		AR1302		AR1303	
N-NITROSODIMETHYLAMINE	20000.	U	20000.	U	40000.	U	40000.	U
PHENOL	20000.	U	20000.	U	40000.	U	40000.	U
ANILINE	20000.	U	20000.	U	40000.	U	40000.	U
BIS(2-CHLOROETHYL) ETHER	20000.	U	20000.	U	40000.	U	40000.	U
2-CHLOROPHENOL	20000.	U	20000.	U	40000.	U	40000.	U
1,3-DICHLOROBENZENE	20000.	U	20000.	U	40000.	U	40000.	U
1,4-DICHLOROBENZENE	20000.	U	20000.	U	40000.	U	40000.	U
BENZYL ALCOHOL	20000.	U	20000.	U	40000.	U	40000.	U
1,2-DICHLOROBENZENE	20000.	U	20000.	U	40000.	U	40000.	U
2-METHYLPHENOL	20000.	U	20000.	U	40000.	U	40000.	U
BIS(2-CHLOROISOPROPYL) ETHER	20000.	U	20000.	U	40000.	U	40000.	U
4-METHYLPHENOL	20000.	U	20000.	U	40000.	U	40000.	U
N-NITROSO-DIPROPYLAMINE	20000.	U	20000.	U	40000.	U	40000.	U
HEXACHLOROETHANE	20000.	U	20000.	U	40000.	U	40000.	U
NITROBENZENE	20000.	U	20000.	U	40000.	U	40000.	U
ISOPHORONE	20000.	U	20000.	U	40000.	U	40000.	U
2-NITROPHENOL	20000.	U	20000.	U	40000.	U	40000.	U
2,4-DIMETHYLPHENOL	20000.	U	20000.	U	40000.	U	40000.	U
BENZOIC ACID	96000.	U	96000.	U	190000.	U	190000.	U
(2-CHLOROETHOXY) METHANE	20000.	U	20000.	U	40000.	U	40000.	U
DICHLOROPHENOL	20000.	U	20000.	U	40000.	U	40000.	U
2,4-TRICHLOROBENZENE	20000.	U	20000.	U	40000.	U	40000.	U
NAFHTHALENE	20000.	U	20000.	U	40000.	U	40000.	U
4-CHLORDANILINE	20000.	U	20000.	U	40000.	U	40000.	U
HEXACHLOROBUTADIENE	20000.	U	20000.	U	40000.	U	40000.	U
4-CHLORO-3-METHYLPHENOL	20000.	U	20000.	U	40000.	U	40000.	U
2-METHYLNAPHTHALENE	20000.	U	20000.	U	40000.	U	40000.	U
HEXACHLOROCYCLOPENTADIENE	20000.	U	20000.	U	40000.	U	40000.	U
2,4,6-TRICHLOROPHENOL	20000.	U	20000.	U	40000.	U	40000.	U
2,4,5-TRICHLOROPHENOL	96000.	U	96000.	U	190000.	U	190000.	U
2-CHLORONAPHTHALENE	20000.	U	20000.	U	40000.	U	40000.	U
2-NITROANILINE	96000.	U	96000.	U	190000.	U	190000.	U
DIKETHYLPHTHALATE	20000.	U	20000.	U	40000.	U	40000.	U
ACENAPHTHYLENE	20000.	U	20000.	U	40000.	U	40000.	U
3-NITROANILINE	96000.	U	96000.	U	190000.	U	190000.	U
ACENAPHTHENE	20000.	U	20000.	U	40000.	U	40000.	U
2,4-DINITROPHENOL	20000.	U	20000.	U	40000.	U	40000.	U
4-NITROPHENOL	96000.	U	96000.	U	190000.	U	190000.	U
DIBENZOFURAN	20000.	U	20000.	U	40000.	U	40000.	U
2,4-DINITROTOULENE	20000.	U	20000.	U	40000.	U	40000.	U

300866

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
 LAB: EAL
 SAMPLE PREP: ----- ANALYST/ENTRY: B02

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: *GLS* *ET* UNITS: UG/KG
 CASE: 2854
 DATE: 1/18/85

*01202
 tank farm*

*01113,5
 tank farm*

*04112,15
 tank farm*

SAMPLE NUMBERS

COMPOUND	AQ1300		AQ1301		AQ1302		AQ1303	
2,6-DINITROTOLUENE	20000.	U	20000.	U	40000.	U	40000.	U
DIETHYLPHTHALATE	20000.	U	20000.	U	40000.	U	40000.	U
4-CHLOROPHENYL PHENYL ETHER	20000.	U	20000.	U	40000.	U	40000.	U
FLUORENE	20000.	U	20000.	U	40000.	U	40000.	U
4-NITROANILINE	96000.	U	96000.	U	190000.	U	190000.	U
4,6-DINITRO-2-METHYLPHENOL	96000.	U	96000.	U	190000.	U	190000.	U
4-NITROSODIPHENYLAMINE	20000.	U	20000.	U	40000.	U	40000.	U
4-BROMOPHENYL PHENYL ETHER	20000.	U	20000.	U	40000.	U	40000.	U
HEXACHLOROBENZENE	20000.	U	20000.	U	40000.	U	40000.	U
PENTACHLOROPHENOL	96000.	U	96000.	U	190000.	U	190000.	U
PHENANTHRENE	54000.	M	20000.	U	40000.	U	40000.	U
ANTHRACENE	20000.	U	20000.	U	40000.	U	40000.	U
DI-N-BUTYLPHTHALATE	20000.	U	20000.	U	40000.	U	40000.	U
FLUORANTHENE	20000.	U	20000.	U	40000.	U	40000.	U
BENZIDINE	190000.	U	190000.	U	380000.	U	380000.	U
PYRENE	59000.	M	20000.	U	50000.	M	170000.	M
BUTYL-BENZYL PHTHALATE	20000.	U	20000.	U	40000.	U	40000.	U
3,3' DICHLOROBENZIDINE	40000.	U	40000.	U	79000.	U	79000.	U
BENZO(A)ANTHRACENE	20000.	U	20000.	U	40000.	U	40000.	U
BIS(2-ETHYLHEXYL)PHTHALATE	20000.	U	20000.	U	40000.	U	40000.	U
PHENANTHRENE	20000.	U	20000.	U	40000.	U	40000.	U
DIOCTYL PHTHALATE	20000.	U	20000.	U	40000.	U	40000.	U
BENZO(B)FLUORANTHENE	20000.	U	20000.	U	40000.	U	40000.	U
BENZO(K)FLUORANTHENE	20000.	U	20000.	U	40000.	U	40000.	U
BENZO(A)PYRENE	20000.	U	20000.	U	40000.	U	40000.	U
INDENO(1,2,3-CD)PYRENE	20000.	U	20000.	U	40000.	U	40000.	U
BENZO(A,H)ANTHRACENE	20000.	U	20000.	U	40000.	U	40000.	U
BENZO(G,H,I)PERYLENE	20000.	U	20000.	U	40000.	U	40000.	U

300867

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
 AP: EAL
 PREP: _____ ANALYST/ENTRY: B01

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: *GLS EAF*

UNITS: UG/KG
 CASE: 2854
 DATE: 01/17/85

SAMPLE NUMBERS

COMPOUND	AR1304		AR1305		AR1306		AR1307	
N-NITROSODIMETHYLAMINE	99000.	U	99000.	U	1700.	U	1700.	U
PHENOL	99000.	U	99000.	U	1700.	U	1700.	U
ANILINE	99000.	U	99000.	U	1700.	U	1700.	U
BIS(2-CHLOROETHYL) ETHER	99000.	U	99000.	U	1700.	U	1700.	U
2-CHLOROPHENOL	99000.	U	99000.	U	1700.	U	1700.	U
1,3-DICHLOROBENZENE	99000.	U	99000.	U	1700.	U	1700.	U
1,4-DICHLOROBENZENE	99000.	U	99000.	U	1700.	U	1700.	U
BENZYL ALCOHOL	99000.	U	99000.	U	1700.	U	1700.	U
1,2-DICHLOROBENZENE	99000.	U	99000.	U	1700.	U	1700.	U
2-METHYLPHENOL	99000.	U	99000.	U	1700.	U	1700.	U
BIS(2-CHLOROISOPROPYL) ETHER	99000.	U	99000.	U	1700.	U	1700.	U
4-METHYLPHENOL	99000.	U	99000.	U	1700.	U	1700.	U
N-NITROSO-DIPROPYLAMINE	99000.	U	99000.	U	1700.	U	1700.	U
HEXACHLOROETHANE	99000.	U	99000.	U	1700.	U	1700.	U
NITROBENZENE	99000.	U	99000.	U	1700.	U	1700.	U
ISOPHORONE	99000.	U	99000.	U	1700.	U	1700.	U
2-NITROPHENOL	99000.	U	99000.	U	1700.	U	1700.	U
2,4-DIMETHYLPHENOL	99000.	U	99000.	U	1700.	U	1700.	U
PHENOLIC ACID	480000.	U	480000.	U	8000.	U	8000.	U
BIS(2-CHLOROETHOXY) METHANE	99000.	U	99000.	U	1700.	U	1700.	U
2,4-DICHLOROPHENOL	99000.	U	99000.	U	1700.	U	1700.	U
1,2,4-TRICHLOROBENZENE	99000.	U	99000.	U	1700.	U	1700.	U
1-NAPHTHALENE	99000.	U	99000.	U	1700.	U	1700.	U
4-CHLOROANILINE	99000.	U	99000.	U	1700.	U	1700.	U
HEXACHLOROBUTADIENE	99000.	U	99000.	U	1700.	U	1700.	U
4-CHLORO-3-METHYLPHENOL	99000.	U	99000.	U	1700.	U	1700.	U
2-METHYLNAPHTHALENE	99000.	U	99000.	U	1700.	U	1700.	U
HEXACHLOROCYCLOPENTADIENE	99000.	U	99000.	U	1700.	U	1700.	U
2,4,6-TRICHLOROPHENOL	99000.	U	99000.	U	1700.	U	1700.	U
2,4,5-TRICHLOROPHENOL	480000.	U	480000.	U	8000.	U	8000.	U
2-CHLORONAPHTHALENE	99000.	U	99000.	U	1700.	U	1700.	U
2-NITROANILINE	480000.	U	480000.	U	8000.	U	8000.	U
1,2-DIMETHYLPHTHALATE	99000.	U	99000.	U	1700.	U	1700.	U
1-NAPHTHYLENE	99000.	U	99000.	U	1700.	U	1700.	U
3-NITROANILINE	480000.	U	480000.	U	8000.	U	8000.	U
1-NAPHTHENE	99000.	U	99000.	U	1700.	U	1700.	U
2,4-DINITROPHENOL	99000.	U	99000.	U	1700.	U	1700.	U
1-NITROPHENOL	480000.	U	480000.	U	8000.	U	8000.	U
1,2-DIBENZOFURAN	99000.	U	99000.	U	1700.	U	1700.	U
2,4-DINITROTOULENE	99000.	U	99000.	U	1700.	U	1700.	U

300868

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
 EAL
 PREF:----- ANALYST/ENTRY: B02

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: *ELS EA*
 UNITS: UG/KG
 CASE: 2854
 DATE: 1/18/85

SAMPLE NUMBERS

COMPOUND	AR1304		AR1305		AR1306		AR1307	
2,6-DINITROTOLUENE	99000.	U	99000.	U	1700.	U	1700.	U
DIETHYLPHTHALATE	99000.	U	99000.	U	1700.	U	1700.	U
4-CHLOROPHENYL PHENYL ETHER	99000.	U	99000.	U	1700.	U	1700.	U
FLUORENE	99000.	U	99000.	U	1700.	U	1700.	U
4-NITROANILINE	480000.	U	480000.	U	8000.	U	8000.	U
2,6-DINITRO-2-METHYLPHENOL	480000.	U	480000.	U	8000.	U	8000.	U
4-NITROSODIPHENYLAMINE	99000.	U	99000.	U	1700.	U	1700.	U
4-BROMOPHENYL PHENYL ETHER	99000.	U	99000.	U	1700.	U	1700.	U
HEXACHLOROBENZENE	99000.	U	99000.	U	1700.	U	1700.	U
PENTACHLOROPHENOL	480000.	U	480000.	U	8000.	U	8000.	U
PHENANTHRENE	99000.	U	99000.	U	1700.	U	1700.	U
ANTHRACENE	99000.	U	99000.	U	1700.	U	1700.	U
DI-N-BUTYLPHTHALATE	99000.	U	99000.	U	1700.	U	1700.	U
FLUORANTHENE	99000.	U	99000.	U	1700.	U	1700.	U
BENZIDINE	960000.	U	960000.	U	16000.	U	16000.	U
PYRENE	99000.	U	99000.	U	1700.	U	1700.	U
BUTYL BENZYL PHTHALATE	99000.	U	99000.	U	1700.	U	1700.	U
1,2-DICHLOROBENZIDINE	200000.	U	200000.	U	3300.	U	3300.	U
(A)ANTHRACENE	99000.	U	99000.	U	1700.	U	1700.	U
(2-ETHYLHEXYL)PHTHALATE	99000.	U	99000.	U	1700.	U	1700.	U
FLUORENE	99000.	U	99000.	U	1700.	U	1700.	U
DI-N-OCTYL PHTHALATE	99000.	U	99000.	U	1700.	U	1700.	U
BENZO(B)FLUORANTHENE	99000.	U	99000.	U	1700.	U	1700.	U
BENZO(K)FLUORANTHENE	99000.	U	99000.	U	1700.	U	1700.	U
BENZO(A)PYRENE	99000.	U	99000.	U	1700.	U	1700.	U
INDENO(1,2,3-CD)PYRENE	99000.	U	99000.	U	1700.	U	1700.	U
BENZO(A,H)ANTHRACENE	99000.	U	99000.	U	1700.	U	1700.	U
BENZO(G,H,I)PERYLENE	99000.	U	99000.	U	1700.	U	1700.	U

*2.5
2.5
2.5*

*2.5
2.5
2.5*

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
 EAL
 PREP: ----- ANALYST/ENTRY: B01

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: *ALS* *EA*
 UNITS: UG/KG
 CASE: 2854
 DATE: 01/17/85

*M.S.
6-2*

SAMPLE NUMBERS

COMPOUND	AR1308		AR1309		AR1310		AR1311	
N-NITROSODIMETHYLAMINE	1700.	U	40000.	U	20000.	U	20000.	U
PHENOL	1700.	U	40000.	U	20000.	U	20000.	U
ANILINE	1700.	U	40000.	U	20000.	U	20000.	U
BIS(2-CHLOROETHYL) ETHER	1700.	U	40000.	U	20000.	U	20000.	U
2-CHLOROPHENOL	1700.	U	40000.	U	20000.	U	20000.	U
1,3 DICHLOROBENZENE	1700.	U	40000.	U	20000.	U	20000.	U
1,4 DICHLOROBENZENE	1700.	U	40000.	U	20000.	U	20000.	U
BENZYL ALCOHOL	1700.	U	40000.	U	20000.	U	20000.	U
1,2 DICHLOROBENZENE	1700.	U	40000.	U	20000.	U	20000.	U
2-METHYLPHENOL	1700.	U	40000.	U	20000.	U	20000.	U
BIS(2-CHLOROISOPROPYL)ETHER	1700.	U	40000.	U	20000.	U	20000.	U
4-METHYLPHENOL	1700.	U	40000.	U	20000.	U	20000.	U
N-NITROSO-DIPROPYLAMINE	1700.	U	40000.	U	20000.	U	20000.	U
HEXACHLOROETHANE	1700.	U	40000.	U	20000.	U	20000.	U
NITROBENZENE	1700.	U	40000.	U	20000.	U	20000.	U
ISOPHORONE	1700.	U	40000.	U	20000.	U	20000.	U
2-NITROPHENOL	1700.	U	40000.	U	20000.	U	20000.	U
1,3-DIMETHYLPHENOL	1700.	U	40000.	U	20000.	U	20000.	U
2,4-DICHLOROETHOXY) METHANE	8000.	U	190000.	U	96000.	U	96000.	U
2,4 DICHLOROPHENOL	1700.	U	40000.	U	20000.	U	20000.	U
1,2,4-TRICHLOROBENZENE	1700.	U	40000.	U	20000.	U	20000.	U
NAFTHALENE	1700.	U	40000.	U	20000.	U	20000.	U
4-CHLOROANILINE	1700.	U	40000.	U	20000.	U	20000.	U
HEXACHLOROBUTADIENE	1700.	U	40000.	U	20000.	U	20000.	U
4-CHLORO-3-METHYLPHENOL	1700.	U	40000.	U	20000.	U	20000.	U
2-METHYLNAPHTHALENE	1700.	U	40000.	U	20000.	U	20000.	U
HEXACHLOROCYCLOPENTADIENE	1700.	U	40000.	U	20000.	U	20000.	U
2,4,6-TRICHLOROPHENOL	1700.	U	40000.	U	20000.	U	20000.	U
2,4,5-TRICHLOROPHENOL	8000.	U	190000.	U	96000.	U	96000.	U
2-CHLORONAPHTHALENE	1700.	U	40000.	U	20000.	U	20000.	U
2-NITROANILINE	8000.	U	190000.	U	96000.	U	96000.	U
DIMETHYLPHTHALATE	1700.	U	40000.	U	20000.	U	20000.	U
1-ACENAPHTHYLENE	1700.	U	40000.	U	20000.	U	20000.	U
3-NITROANILINE	8000.	U	190000.	U	96000.	U	96000.	U
1-ACENAPHTHENE	1100.	U	40000.	U	20000.	U	20000.	U
2,4-DINITROPHENOL	1700.	U	40000.	U	20000.	U	20000.	U
4-NITROPHENOL	8000.	U	190000.	U	96000.	U	96000.	U
DIBENZOFURAN	320.	U	40000.	U	20000.	U	20000.	U
2,4-DINITROTOULENE	1700.	U	40000.	U	20000.	U	20000.	U

300870

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
 REAL
 PREP:----- ANALYST/ENTRY: B02

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: KLS CAF
 UNITS: UG/KG
 CASE: 2854
 DATE: 1/18/85

SAMPLE NUMBERS

COMPOUND	AQ1308		AQ1309		AQ1310		AQ1311	
2,6-DINITROTOLUENE	1700.	U	40000.	U	330	U	20000.	U
DIETHYLPHTHALATE	1700.	U	40000.	U	330	U	20000.	U
4-CHLOROPHENYL PHENYL ETHER	1700.	U	40000.	U	330	U	20000.	U
FLUORENE	820.	M	40000.	U	330	U	20000.	U
4-NITROANILINE	8000.	U	190000.	U	1600.	U	96000.	U
2,6-DINITRO-2-METHYLPHENOL	8000.	U	190000.	U	1600.	U	96000.	U
4-NITROSODIPHENYLAMINE	1700.	U	40000.	U	330	U	20000.	U
4-BROMOPHENYL PHENYL ETHER	1700.	U	40000.	U	330	U	20000.	U
HEXACHLOROBENZENE	1700.	U	40000.	U	330	U	20000.	U
2,4-DICHLOROPHENOL	8000.	U	190000.	U	1600.	U	96000.	U
PHENANTHRENE	18000.	J	40000.	U	330	U	20000.	U
ANTHRACENE	1700.	U	40000.	U	330	U	20000.	U
DI-N-BUTYLPHTHALATE	1700.	U	40000.	U	330	U	20000.	U
FLUORANTHENE	3900.	J	40000.	U	330	U	20000.	U
QUINOLINE	16000.	U	380000.	U	3200.	U	190000.	U
FLUORENE	4500.	J	40000.	U	7800.	M	20000.	U
DIETHYL BENZYL PHTHALATE	1700.	U	40000.	U	330	U	20000.	U
1,2-DICHLOROBENZIDINE	3300.	U	79000.	U	660	U	40000.	U
(A)ANTHRACENE	1500.	M	40000.	U	330	U	20000.	U
(1-ETHYLHEXYL)PHTHALATE	1700.	U	40000.	U	330	U	20000.	U
FLUORENE	1700.	U	40000.	U	330	U	20000.	U
DI-N-OCTYL PHTHALATE	1700.	U	40000.	U	330	U	20000.	U
FLUORANTHENE (B)	1700.	U	40000.	U	330	U	20000.	U
FLUORANTHENE (K)	1700.	U	40000.	U	330	U	20000.	U
FLUORENE (A)	1700.	U	40000.	U	330	U	20000.	U
FLUORENE (1,2,3-CD)	1700.	U	40000.	U	330	U	20000.	U
ANTHRACENE (A,H)	1700.	U	40000.	U	330	U	20000.	U
PERYLENE (G,H,I)	1700.	U	40000.	U	330	U	20000.	U

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
EAL
E PREP: ----- ANALYST/ENTRY: B01

MATRIX: SEDIMENT
METHOD: 9301M05
REVIEWER: *hls* *EA*
UNITS: UG/KG
CASE: 2854
DATE: 01/17/85

SAMPLE NUMBERS

COMPOUND	AQ1312		AQ1313		AQ1314		AQ1315	
N-NITROSODIMETHYLAMINE	20000.	U	20000.	U	3000.	U	20000.	U
PHENOL	20000.	U	20000.	U	3000.	U	20000.	U
ANILINE	20000.	U	20000.	U	3000.	U	20000.	U
BIS(2-CHLOROETHYL) ETHER	20000.	U	20000.	U	3000.	U	20000.	U
2-CHLOROPHENOL	20000.	U	20000.	U	3000.	U	20000.	U
1,3-DICHLOROBENZENE	20000.	U	20000.	U	3000.	U	20000.	U
1,4-DICHLOROBENZENE	20000.	U	20000.	U	3000.	U	20000.	U
BENZYL ALCOHOL	20000.	U	20000.	U	3000.	U	20000.	U
1,2-DICHLOROBENZENE	20000.	U	20000.	U	3000.	U	20000.	U
2-METHYLPHENOL	20000.	U	20000.	U	3000.	U	20000.	U
BIS(2-CHLOROISOPROPYL) ETHER	20000.	U	20000.	U	3000.	U	20000.	U
4-METHYLPHENOL	20000.	U	20000.	U	3000.	U	20000.	U
N-NITROSO-DIPROPYLAMINE	20000.	U	20000.	U	3000.	U	20000.	U
HEXACHLOROETHANE	20000.	U	20000.	U	3000.	U	20000.	U
NITROBENZENE	20000.	U	20000.	U	3000.	U	20000.	U
ISOPHORONE	20000.	U	20000.	U	3000.	U	20000.	U
2-NITROPHENOL	20000.	U	20000.	U	3000.	U	20000.	U
2,4-DIMETHYLPHENOL	20000.	U	20000.	U	3000.	U	20000.	U
BOIC ACID	96000.	U	96000.	U	15000.	U	96000.	U
2-CHLOROETHOXY) METHANE	20000.	U	20000.	U	3000.	U	20000.	U
2,4-DICHLOROPHENOL	20000.	U	20000.	U	3000.	U	20000.	U
1,2,4-TRICHLOROBENZENE	20000.	U	20000.	U	3000.	U	20000.	U
NAPHTHALENE	20000.	U	20000.	U	45000.	U	20000.	U
4-CHLOROANILINE	20000.	U	20000.	U	3000.	U	20000.	U
HEXACHLOROBUTADIENE	20000.	U	20000.	U	3000.	U	20000.	U
4-CHLORO-3-METHYLPHENOL	20000.	U	20000.	U	3000.	U	20000.	U
2-METHYLNAPHTHALENE	20000.	U	20000.	U	20000.	U	20000.	U
HEXACHLOROCYCLOPENTADIENE	20000.	U	20000.	U	3000.	U	20000.	U
2,4,6-TRICHLOROPHENOL	20000.	U	20000.	U	3000.	U	20000.	U
2,4,5-TRICHLOROPHENOL	96000.	U	96000.	U	15000.	U	96000.	U
2-CHLORONAPHTHALENE	20000.	U	20000.	U	3000.	U	20000.	U
2-NITROANILINE	96000.	U	96000.	U	15000.	U	96000.	U
DIMETHYLPHTHALATE	20000.	U	20000.	U	3000.	U	20000.	U
ACENAPHTHYLENE	20000.	U	20000.	U	3000.	U	20000.	U
3-NITROANILINE	96000.	U	96000.	U	15000.	U	96000.	U
ACENAPHTHENE	20000.	U	20000.	U	20000.	U	20000.	U
2,4-DINITROPHENOL	20000.	U	20000.	U	3000.	U	20000.	U
4-NITROPHENOL	96000.	U	96000.	U	15000.	U	96000.	U
DIBENZOFURAN	20000.	U	20000.	U	21000.	U	20000.	U
2,4-DINITROTOLUENE	20000.	U	20000.	U	3000.	U	20000.	U

300872

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
 AP: EAL
 PREP: ----- ANALYST/ENTRY: B02

MATRIX: SEDIMENT UNITS: UG/KG
 METHOD: 9301M05 CASE: 2854
 REVIEWER: *GLS* *EA* DATE: 1/18/85

SAMPLE NUMBERS

COMPOUND	AR1312		AR1313		AR1314		AR1315	
2,6-DINITROTOLUENE	20000.	U	20000.	U	330	U	20000.	U
DIETHYLPHTHALATE	20000.	U	20000.	U	3000.	U	20000.	U
4-CHLOROPHENYL PHENYL ETHER	20000.	U	20000.	U	3000.	U	20000.	U
FLUORENE	20000.	U	20000.	U	3000.	U	20000.	U
4-NITROANILINE	96000.	U	96000.	U	15000.	U	96000.	U
4,6-DINITRO-2-METHYLPHENOL	96000.	U	96000.	U	15000.	U	96000.	U
4-NITROSODIPHENYLAMINE	20000.	U	20000.	U	3000.	U	20000.	U
4-BROMOPHENYL PHENYL ETHER	20000.	U	20000.	U	3000.	U	20000.	U
HEXACHLOROBENZENE	20000.	U	20000.	U	3000.	U	20000.	U
PENTACHLOROPHENOL	96000.	U	96000.	U	15000.	U	96000.	U
PHENANTHRENE	20000.	U	20000.	U	82000.	U	20000.	U
ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
DI-N-BUTYLPHTHALATE	20000.	U	20000.	U	3000.	U	20000.	U
FLUORANTHENE	20000.	U	20000.	U	39000.	U	20000.	U
BENZIDINE	190000.	U	190000.	U	29000.	U	190000.	U
PYRENE	20000.	U	20000.	U	37000.	U	20000.	U
BUTYL BENZYL PHTHALATE	20000.	U	20000.	U	3000.	U	20000.	U
3,3'-DICHLOROBENZIDINE	40000.	U	40000.	U	6000.	U	40000.	U
1,2,3,4-TETRA(1,2,3,4-D)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-E)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-F)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-G)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-H)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-I)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-J)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-K)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-L)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-M)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-N)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-O)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-P)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-Q)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-R)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-S)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-T)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-U)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-V)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-W)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-X)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-Y)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U
1,2,3,4-TETRA(1,2,3,4-Z)ANTHRACENE	20000.	U	20000.	U	3000.	U	20000.	U

300873

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
 AD: EAL
 E PREP:----- ANALYST/ENTRY: B01

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: *ALS SA*
 UNITS: UG/KG
 CASE: 2854
 DATE: 01/17/85

SAMPLE NUMBERS

COMPOUND	AR1316		AR1317		AR1318		AR1320	
N-NITROSODIMETHYLAMINE	20000.	U	20000.	U	20000.	U	330	U
PHENOL	20000.	U	20000.	U	20000.	U	330	U
ANILINE	20000.	U	20000.	U	20000.	U	330	U
BIS(2-CHLOROETHYL) ETHER	20000.	U	20000.	U	20000.	U	330	U
2-CHLOROPHENOL	20000.	U	20000.	U	20000.	U	330	U
1,3 DICHLOROBENZENE	20000.	U	20000.	U	20000.	U	330	U
1,4 DICHLOROBENZENE	20000.	U	20000.	U	20000.	U	330	U
BENZYL ALCOHOL	20000.	U	20000.	U	20000.	U	330	U
1,2 DICHLOROBENZENE	20000.	U	20000.	U	20000.	U	330	U
2-METHYLPHENOL	20000.	U	20000.	U	20000.	U	330	U
BIS(2-CHLOROISOPROPYL) ETHER	20000.	U	20000.	U	20000.	U	330	U
4-METHYLPHENOL	20000.	U	20000.	U	20000.	U	330	U
N-NITROSO-DIPROPYLAMINE	20000.	U	20000.	U	20000.	U	330	U
HEXACHLOROETHANE	20000.	U	20000.	U	20000.	U	330	U
NITROBENZENE	20000.	U	20000.	U	20000.	U	330	U
ISOPHORONE	20000.	U	20000.	U	20000.	U	330	U
2-NITROPHENOL	20000.	U	20000.	U	20000.	U	330	U
2-4-DIMETHYLPHENOL	20000.	U	20000.	U	20000.	U	330	U
2-CHLOROETHOXY) METHANE	96000.	U	96000.	U	96000.	U	1600.	U
2,4-DICHLOROPHENOL	20000.	U	20000.	U	20000.	U	330	U
1,2,4-TRICHLOROBENZENE	20000.	U	20000.	U	20000.	U	330	U
NAPHTHALENE	20000.	U	20000.	U	20000.	U	330	U
4-CHLOROANILINE	20000.	U	20000.	U	20000.	U	330	U
HEXACHLOROBUTADIENE	20000.	U	20000.	U	20000.	U	330	U
4-CHLORO-3-METHYLPHENOL	20000.	U	20000.	U	20000.	U	330	U
2-METHYLNAPHTHALENE	20000.	U	20000.	U	20000.	U	330	U
HEXACHLOROCYCLOPENTADIENE	20000.	U	20000.	U	20000.	U	330	U
2,4,6-TRICHLOROPHENOL	20000.	U	20000.	U	20000.	U	330	U
2,4,5-TRICHLOROPHENOL	96000.	U	96000.	U	96000.	U	1600.	U
2-CHLORONAPHTHALENE	20000.	U	20000.	U	20000.	U	330	U
2-NITROANILINE	96000.	U	96000.	U	96000.	U	1600.	U
DIMETHYLPHTHALATE	20000.	U	20000.	U	20000.	U	330	U
ACENAPHTHYLENE	20000.	U	20000.	U	20000.	U	330	U
3-NITROANILINE	96000.	U	96000.	U	96000.	U	1600.	U
ACENAPHTHENE	20000.	U	20000.	U	20000.	U	330	U
2,4-DINITROPHENOL	20000.	U	20000.	U	20000.	U	330	U
4-NITROPHENOL	96000.	U	96000.	U	96000.	U	1600.	U
DIBENZOFURAN	20000.	U	20000.	U	20000.	U	330	U
2,4-DINITROTOULENE	20000.	U	20000.	U	20000.	U	330	U

300874

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
 LAB: EAL
 PREP: ----- ANALYST/ENTRY: B02

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: GLS EA
 UNITS: UG/KG
 CASE: 2854
 DATE: 1/18/85

SAMPLE NUMBERS

WAF #3
 15.5-17.5

COMPOUND	AQ1316		AQ1317		AQ1318		AQ1320	
2,6-DINITROTOLUENE	20000.	U	20000.	U	20000.	U	330	U
DIETHYLPHTHALATE	20000.	U	20000.	U	20000.	U	330	U
1-CHLOROPHENYL PHENYL ETHER	20000.	U	20000.	U	20000.	U	330	U
FLUORENE	20000.	U	20000.	U	20000.	U	330	U
4-NITROANILINE	96000.	U	96000.	U	96000.	U	1600.	U
2,6-DINITRO-2-METHYLPHENOL	96000.	U	96000.	U	96000.	U	1600.	U
4-NITROSODIPHENYLAMINE	20000.	U	20000.	U	20000.	U	330	U
1-BROMOPHENYL PHENYL ETHER	20000.	U	20000.	U	20000.	U	330	U
1,2-DICHLOROBENZENE	20000.	U	20000.	U	20000.	U	330	U
1,2,4-TRICHLOROPHENOL	96000.	U	96000.	U	96000.	U	1600.	U
1-FLUORANTHRENE	20000.	U	20000.	U	20000.	U	330	U
1-ANTHRACENE	20000.	U	20000.	U	20000.	U	330	U
1-N-BUTYLPHTHALATE	20000.	U	20000.	U	20000.	U	330	U
1-FLUORANTHRENE	20000.	U	20000.	U	20000.	U	330	U
1-INDOLE	190000.	U	190000.	U	190000.	U	3200.	U
1-PYRENE	20000.	U	20000.	U	20000.	U	330	U
1-N-BUTYL BENZYL PHTHALATE	20000.	U	20000.	U	20000.	U	330	U
1,3-DICHLOROBENZIDINE	40000.	U	40000.	U	40000.	U	660	U
1-(A)ANTHRACENE	20000.	U	20000.	U	20000.	U	330	U
1-(METHYLHEXYL)PHTHALATE	20000.	U	20000.	U	20000.	U	550	U
1-INDOLE	20000.	U	20000.	U	20000.	U	330	U
1-(N-OCTYL) PHTHALATE	20000.	U	20000.	U	20000.	U	330	U
1-BENZO(B)FLUORANTHRENE	20000.	U	20000.	U	20000.	U	330	U
1-BENZO(K)FLUORANTHRENE	20000.	U	20000.	U	20000.	U	330	U
1-BENZO(A)PYRENE	20000.	U	20000.	U	20000.	U	330	U
1-INDEN(1,2,3-CD)PYRENE	20000.	U	20000.	U	20000.	U	330	U
1-BENZO(A,H)ANTHRACENE	20000.	U	20000.	U	20000.	U	330	U
1-BENZO(G,H,I)PERYLENE	20000.	U	20000.	U	20000.	U	330	U

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
 LAB: EAL
 PREP: ----- ANALYST/ENTRY: B01

MATRIX: SEDIMENT
 METHOD: 9301M05
 REVIEWER: *GLS* *EA*
 UNITS: UG/KG
 CASE: 2854
 DATE: 01/17/85

SAMPLE NUMBERS

AQ1321

COMPOUND

N-NITROSDIMETHYLAMINE	330	U
PHENOL	330	U
ANILINE	330	U
BIS(2-CHLOROETHYL) ETHER	330	U
2-CHLOROPHENOL	330	U
1,3 DICHLOROBENZENE	330	U
1,4 DICHLOROBENZENE	330	U
BENZYL ALCOHOL	330	U
1,2 DICHLOROBENZENE	330	U
2-METHYLPHENOL	330	U
BIS(2-CHLORDISOPROPYL) ETHER	330	U
4-METHYLPHENOL	330	U
N-NITROSO-DIPROPYLAMINE	330	U
HEXACHLOROETHANE	330	U
NITROBENZENE	330	U
ISOPHORONE	330	U
2-NITROPHENOL	330	U
1,3-DIMETHYLPHENOL	330	U
2,4-DICHLOROETHOXY) METHANE	1600.	U
2,4 DICHLOROPHENOL	330	U
1,2,4-TRICHLOROBENZENE	330	U
NAFTHALENE	330	U
4-CHLOROANILINE	330	U
HEXACHLOROBUTADIENE	330	U
4-CHLORO-3-METHYLPHENOL	330	U
2-METHYLNAPHTHALENE	330	U
HEXACHLOROCYCLOPENTADIENE	330	U
2,4,6-TRICHLOROPHENOL	330	U
2,4,5-TRICHLOROPHENOL	1600.	U
2-CHLORONAPHTHALENE	330	U
2-NITROANILINE	1600.	U
DIMETHYLPHTHALATE	330	U
ACENAPHTHYLENE	330	U
3-NITROANILINE	1600.	U
ACENAPHTHENE	330	U
2,4-DINITROPHENOL	330	U
4-NITROPHENOL	1600.	U
DIBENZOFURAN	330	U
2,4-DINITROTOULENE	330	U

30087.6

ANALYSIS TYPE: SEMIVOLATILES (PAGE 2)

TITLE: CAPITOL OIL / ECONOMY PRODUCTS
EAL
PREP: _____ ANALYST/ENTRY: B02

MATRIX: SEDIMENT
METHOD: 9301M05
REVIEWER: *GLS*

UNITS: UG/KG
CASE: 2854
DATE: 1/18/85

SAMPLE NUMBERS

AR1321
*will 43
0.5-1.1 and
2.5-3.5*

COMPOUND

2,6-DINITROTOLUENE	330	U
DIETHYLPHTHALATE	330	U
4-CHLOROPHENYL PHENYL ETHER	330	U
FLUORENE	330	U
4-NITROANILINE	1600.	U
4,6-DINITRO-2-METHYLPHENOL	1600.	U
N-NITROSODIPHENYLAMINE	330	U
4-BROMOPHENYL PHENYL ETHER	330	U
HEXACHLOROARENZENE	330	U
PENTACHLOROPHENOL	1600.	U
PHENANTHRENE	330	U
ANTHRACENE	330	U
DI-N-BUTYLPHTHALATE	330	U
FLUORANTHENE	610	U
BENZIDINE	3200.	U
PYRENE	6520	U
1-N-ETHYL BENZYL PHTHALATE	330	U
1,2-DICHLOROBENZIDINE	660	U
1,2,3,4-TETRA(1A)ANTHRACENE	3107	M
BIS(2-ETHYLHEXYL)PHTHALATE	330	U
CHRYSENE	280	M
DI-N-OCTYL PHTHALATE	330	U
BENZO(B)FLUORANTHENE	330	U
BENZO(K)FLUORANTHENE	330	U
BENZO(A)PYRENE	330	U
INDENO(1,2,3-CD)PYRENE	330	U
DIBENZO(A,H)ANTHRACENE	330	U
BENZO(G,H,I)PERYLENE	330	U

TITLE: CAPITOL OIL/ECONOMY PRODUCTS ANALYSIS: GC/MS SCANS
MATRIX: SEDIMENT
REVIEWED BY: GCS

UNITS: UG/KG
DATE: 1/18/84

LAB: EAL 300877
CASE NO: 2854
METHOD NO: 9301M05

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *
AQ1300	20 CMNDS. FOUND, CAN'T BE ID'ED	BNA	⊖ J
AQ1301	ETHYLMETHYLHEPTANE	BNA	1200 J
AQ1301	TRIMETHYLNAPHTHALENE	BNA	1400 J
AQ1301	18 CMFDS. FOUND, CAN'T BE ID'ED	BNA	⊖ J
AQ1302	UNDECANE	BNA	66000 J
AQ1302	HEXADECANOIC ACID	BNA	233000 J
AQ1302	OCTADECANOIC ACID	BNA	89000 J
AQ1302	17 CMFDS. FOUND, CAN'T BE ID'ED	BNA	⊖
AQ1303	18 CMFDS. FOUND, CAN'T BE ID'ED	BNA	⊖
AQ1304	12 CMFDS FOUND, CAN'T BE ID'ED	BNA	⊖ J
AQ1305	NOTHING SIGNIFICANT FOUND		
AQ1306	NOTHING SIGNIFICANT FOUND		
AQ1307	NOTHING SIGNIFICANT FOUND		
AQ1308	NOTHING SIGNIFICANT FOUND		
AQ1309	4 CMFDS. FOUND, CAN'T BE ID'ED	BNA	⊖ J
AQ1310	ETHYLMETHYLHEPTANE	BNA	47000 J
AQ1310	TETRAMETHYLHEXENE	BNA	6600 J
AQ1310	ETHYLMETHYLHEPTANE	BNA	8300 J
AQ1310	DECAHYDRONAPHTHALENE	BNA	36000 J
AQ1310	ETHYLMETHYLCYCLOHEXANE	BNA	5600 J
AQ1310	17 CMFDS. FOUND, CAN'T BE ID'ED	BNA	⊖ J
AQ1311	3 CMFDS. FOUND, CAN'T BE ID'ED	BNA	⊖ J
AQ1312	ETHYLMETHYLHEPTANE	BNA	18000 J
AQ1312	DECAHYDROMETHYLNAPHTHALENE	BNA	19000 J
AQ1313	NOTHING SIGNIFICANT FOUND		

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.

** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY AND MASS SPECTRA AND RETENTION TIMES.

TITLE: CAPITOL OIL/ ECONOMY PROD. ANALYSIS: GC/MS SCANS
MATRIX: SEDIMENT
REVIEWED BY: GCS

UNITS: UG/KG
DATE: 1/18/85

LAB: EAL 30087
CASE NO: 2854
METHOD NO: 9301M05

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *
AQ1314	DIMETHYLETHYLBENZENE	BNA	55000 J
AQ1314	ETHYLMETHYLHEPTANE	BNA	210000 J
AQ1314	METHYLNAPHTHALENE	BNA	142000 J
AQ1314	11 CMPDS. FOUND,CAN'T BE ID'ED	BNA	⊖
AQ1315	ETHYLMETHYLHEPTANE	BNA	9200 J
AQ1315	DECAHYDRONAPHTHALENE	BNA	8000 J
AQ1315	DIMETHYLUNDECANE	BNA	8500 J
AQ1315	18 CMPDS. FOUND,CAN'T BE ID'ED	BNA	⊖ J
AQ1316	NOTHING SIGNIFICANT FOUND		
AQ1317	10 CMPDS. FOUND,CAN'T BE ID'ED	BNA	⊖ J
AQ1318	7 CMPDS. FOUND,CAN'T BE ID'ED	BNA	⊖ J
AQ1320	HEXADECANOIC ACID	BNA	----- J
AQ1320	6 CMPDS. FOUND,CAN'T BE ID'ED	BNA	⊖ J
AQ1321	NOTHING SIGNIFICANT FOUND		

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.

** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY IDENTIFICATION. GC MASS SPECTRA AND RETENTION TIMES.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

6/15

DATE 6-12-85

SUBJECT Transmittal of Laboratory Data

300879
~~300890~~

FROM Charles P. Hensley ^{CDK}
 Chief, Laboratory Branch, ENSV

TO Keffer

Attn: Doherty

Analyses have been completed for the following activities and the data results are attached.

Pesticides (soil) no water

Activity No.	Description
AQ 13	Capitol Oil "
	(completes transmittal of 1/30/85)
	few Economy Products (soil)

Attachments

cc: Data Files

RECEIVED
 JUN 17 1985

E&E K.C.K.

300880

DATA QUALIFIERS FOR EPA REGION VII

- U not detected. For EPA VII lab data U is applied only in conjunction with detection limits. For contract lab data it is applied to contract required limits.
- M The value indicated is below the quantitation limit but above the detection limit.
- J The value is of unknown quality. Approximate value.
- I analysis attempted but no result can be reported.

ANALYSIS TYPE: PESTICIDES

300881

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 LAB: EAL
 SAMPLE PREP: ----- ANALYST/ENTRY: E20

MATRIX: SEDIMENT
 METHOD: 9302M01
 REVIEWER: *ELS* *CP*

UNITS: UG/KG
 CASE: 1209G
 DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AQ130000	AQ180001	AQ180002	AQ180003
LPHA-BHC	120 U	140 U	3.50 U	2.00 U
ETA-BHC	120 U	120 U	10.0 U	2.00 U
ELTA-BHC	700 U	120 U	2.10 U	28.0 U
AMMA-BHC	120 U	120 U	10.0 U	1.00 U
EPTACHLOR	740 U	120 U	10.0 U	2.00 U
LDRIN	120 U	120 U	10.0 U	6.00 U
EPTACHLOR EPOXIDE	120 U	120 U	4.30 U	2.00 U
NDOSULFAN I	120 U	120 U	10.0 U	2.00 U
TELDRIN	1300 U	240 U	23.0 U	4.00 U
,4'-DDE	1300 U	240 U	20.0 U	4.00 U
NDRIN	1400 U	240 U	16.0 U	4.00 U
NDOSULFAN II	940 U	240 U	39.0 U	4.00 U
,4'-DDD	800 U	240 U	30.0 U	4.00 U
NDRIN ALDEHYDE	240 U	240 U	20.0 U	4.00 U
NDOSULFAN SULFATE	240 U	240 U	20.0 U	4.00 U
,4'-DDT		240 U	78.0 U	
IDRIN KETONE	240 U	240 U	20.0 U	4.00 U
ETHOXYCHLOR	1200 U	1200 U	100 U	20.0 U
HLORDANE	1200 U	1200 U	100 U	20.0 U
YAPHENE	2400 U	8200 U	200 U	15.00 U
OCLOR-1016	1200 U	1200 U	100 U	20.0 U
OCLOR-1221	1200 U	1200 U	100 U	20.0 U
OCLOR-1232	1200 U	1200 U	100 U	20.0 U
OCLOR-1242	1200 U	1200 U	100 U	20.0 U
OCLOR-1248	1200 U	1200 U	100 U	20.0 U
OCLOR-1254	2400 U	2400 U	200 U	40.0 U
OCLOR-1260	2400 U	2400 U	200 U	40.0 U

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 LAB: EAL
 SAMPLE PREF: ----- ANALYST/ENTRY: E19

MATRIX: SEDIMENT
 METHOD: 9302M01
 REVIEWER: ELS EP

UNITS: UG/KG
 CASE: 1209G
 DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AR130001	AR130002	AR130003	AR130004
ALPHA-BHC	120 U	600 U	120 U	120 U
BETA-BHC	120 U	600 U	120 U	120 U
DELTA-BHC	120 U	600 U	120 U	120 U
GAMMA-BHC	120 U	300 M	160 J	430 J
HEPTACHLOR	120 U	1600 J	120 U	120 U
ALDRIN	120 U	240 M	300 J	800 J
HEPTACHLOR EPOXIDE	120 U	670 J	120 U	850 J
ENDOSULFAN I	120 U	600 U	120 U	120 U
DIELDRIN	240 U	770 J	370 J	1300 J
4,4'-DDE	240 U	1200 U	240 U	240 U
ENDRIN	240 U	1200 U	240 U	1000 J
ENDOSULFAN II	240 U	350 M	240 U	800 J
4,4'-DDD	240 U	300 M	240 U	580 J
ENDRIN ALDEHYDE	240 U	1200 U	240 U	240 U
ENDOSULFAN SULFATE	240 U	1200 U	240 U	240 U
4,4'-DDT		I	I	290 J
ENDRIN KETONE	240 U	1200 U	240 U	240 U
METHOXYCHLOR	1200 U	6000 U	1200 U	1200 U
CHLORDANE	1200 U	6000 U	1200 U	1200 U
CAAPHENE	2400 U	12000 U	2400 U	2400 U
CHLOR-1016	1200 U	6000 U	1200 U	1200 U
CHLOR-1221	1200 U	6000 U	1200 U	1200 U
CHLOR-1232	1200 U	6000 U	1200 U	1200 U
CHLOR-1242	1200 U	6000 U	1200 U	1200 U
CHLOR-1248	1200 U	6000 U	1200 U	1200 U
CHLOR-1254	2400 U	12000 U	2400 U	2400 U
CHLOR-1260	4100 J	12000 U	2400 U	2400 U

ANALYSIS TYPE: PESTICIDES

300883

TITLE: ECONOMY PRODUCTS/CAPITOL OIL

MATRIX: SEDIMENT

UNITS: UG/KG

AR: EAL

METHOD: 9302M01

CASE: 1209G

FILE PREP: _____ ANALYST/ENTRY: E19

REVIEWER: ECB SL

DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AR130005	AR130006	AR130007	AR130008
ALPHA-BHC	120 U	10.0 U	10.0 U	10.0 U
BETA-BHC	290 U	10.0 U	10.0 U	10.0 U
DELTA-BHC	120 U	15.0 U	46.0 U	310 U
GAMMA-BHC	180 U	10.0 U	10.0 U	10.0 U
HEPTACHLOR	120 U	10.0 U	10.0 U	10.0 U
ALDRIN	220 U	15.0 U	7.00 U	630 U
HEPTACHLOR EPOXIDE	250 U	10.0 U	10.0 U	10.0 U
ENDOSULFAN I	340 U	10.0 U	10.0 U	10.0 U
DIELDRIN	800 U	20.0 U	20.0 U	20.0 U
4,4'-DDE	420 U	20.0 U	20.0 U	20.0 U
ENDRIN	600 U	20.0 U	4.00 U	20.0 U
ENDOSULFAN II	550 U	20.0 U	20.0 U	94.0 U
4,4'-DDD	450 U	20.0 U	20.0 U	77.0 U
ENDRIN ALDEHYDE	240 U	20.0 U	20.0 U	20.0 U
ENDOSULFAN SULFATE	240 U	20.0 U	23.0 U	20.0 U
4,4'-DDT	1400 U	100 U	20.0 U	20.0 U
ENDRIN KETONE	240 U	20.0 U	20.0 U	20.0 U
METHOXYCHLOR	1200. U	100 U	100 U	100 U
LORDANE	1200. U	100 U	100 U	100 U
NAPHENE	2400. U	200 U	200 U	200 U
ARDCCLOR-1016	1200. U	100 U	100 U	100 U
ARDCCLOR-1221	1200. U	100 U	100 U	100 U
ARDCCLOR-1232	1200. U	100 U	100 U	100 U
ARDCCLOR-1242	1200. U	100 U	100 U	100 U
ARDCCLOR-1248	1200. U	100 U	100 U	100 U
ARDCCLOR-1254	2400. U	200 U	200 U	200 U
ARDCCLOR-1260	2400. U	200 U	200 U	200 U

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 LAB: EAL
 SAMPLE PREP: ----- ANALYST/ENTRY: E19

MATRIX: SEDIMENT
 METHOD: 9302M01
 REVIEWER: *GLS* *AK*
 UNITS: UG/KG
 CASE: 1209G
 DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AR130009		AR130010		AR130011		AR130012	
ALPHA-BHC	120	U	120	U	1200		120	U
BETA-BHC	120	U	120	U	1200		250	J
DELTA-BHC	120	U	120	U	1100		160	J
GAMMA-BHC	120	U	120	U	120	U	120	U
HEPTACHLOR	120	U	120	U	120	U	120	U
ALDRIN	120	U	120	U	1200		230	J
HEPTACHLOR EPOXIDE	120	U	120	U	120	U	120	U
ENDOSULFAN I	120	U	120	U	1300		120	U
DIELDRIN	240	U	240	U	2700		500	J
4,4'-DDE	240	U	240	U	1800		400	J
ENDRIN	240	U	240	U	2400		240	U
ENDOSULFAN II	240	U	240	U	2000		240	U
4,4'-DDD	240	U	240	U	1800		240	U
ENDRIN ALDEHYDE	240	U	240	U	240	U	240	U
ENDOSULFAN SULFATE	240	U	240	U	800		240	U
4,4'-DIT		I		I		I		I
ENDRIN KETONE	240	U	240	U	240	U	240	U
METHOXYCHLOR	1200.	U	1200.	U	1200.	U	1200.	U
CYPERMETHRIN	1200.	U	1200.	U	1200.	U	1200.	U
PERMETHRIN	2400.	U	2400.	U	2400.	U	2400.	U
ACROCELOR-1213	1200.	U	1200.	U	1200.	U	1200.	U
ACROCELOR-1221	1200.	U	1200.	U	1200.	U	1200.	U
ACROCELOR-1232	1200.	U	1200.	U	1200.	U	1200.	U
ACROCELOR-1242	1200.	U	1200.	U	1200.	U	1200.	U
ACROCELOR-1248	1200.	U	1200.	U	1200.	U	1200.	U
ACROCELOR-1254	2400.	U	2400.	U	2400.	U	2400.	U
ACROCELOR-1260	2400.	U	2400.	U	2400.	U	2400.	U

ANALYSIS TYPE: PESTICIDES

300825

TITLE: ECONOMY PRODUCTS/CAPITOL OIL

MATRIX: SEDIMENT

UNITS: UG/KG

LAB: EAL

METHOD: 9302M01

CASE: 1209G

SAMPLE PREF:----- ANALYST/ENTRY: E19

REVIEWER: *ELB* *EX*

DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AR130013	AR130014	AR130015	AR130016
ALPHA-BHC	120 U	120 U	120 U	120 U
BETA-BHC	250 U	120 U	240 U	120 U
DELTA-BHC	120 U	120 U	120 U	120 U
GAMMA-BHC	120 U	120 U	120 U	120 U
HEPTACHLOR	120 U	120 U	120 U	120 U
ALDRIN	120 U	120 U	120 U	120 U
HEPTACHLOR EPOXIDE	120 U	120 U	120 U	120 U
ENDOSULFAN I	120 U	120 U	120 U	120 U
BIFENTRIN	240 U	240 U	240 U	240 U
4:4'-DDT	280 U	240 U	240 U	240 U
ENDRIN	240 U	240 U	240 U	240 U
ENDOSULFAN II	240 U	240 U	240 U	240 U
4:4'-DDD	240 U	240 U	240 U	240 U
ENDRIN ALDEHYDE	240 U	240 U	240 U	240 U
ENDOSULFAN SULFATE	240 U	240 U	240 U	240 U
4:4'-DDE		I	I	I
ENDRIN KETONE	240 U	240 U	240 U	240 U
METHOXYCHLOR	1200. U	1200. U	1200. U	1200. U
CHLORFENAPHE	1200. U	1200. U	1200. U	1200. U
ATRINE	2400. U	2400. U	2400. U	2400. U
PROCLOR-1016	1200. U	1200. U	1200. U	1200. U
PROCLOR-1221	1200. U	1200. U	1200. U	1200. U
PROCLOR-1232	1200. U	1200. U	1200. U	1200. U
PROCLOR-1242	1200. U	1200. U	1200. U	1200. U
PROCLOR-1248	1200. U	1200. U	1200. U	1200. U
PROCLOR-1254	2400. U	2400. U	2400. U	2400. U
PROCLOR-1260	2400. U	2400. U	2400. U	2400. U

DATE 10-30-87

SUBJECT Transmittal of Laboratory Data

FROM Charles P. Hensley *CPH*
Chief, Laboratory Branch, ENSV

TO Keffer
Attn: Doherty

Analyses have been completed for the following activities and the data results are attached.

metals (soil and water) . VOA - soil
GC/MS (soil and water) C.Oil water - VOA, A/B/N, HSL cert: VOA's, pest.

Activity No.	Description
AQ13	Capitol Oil
	(partial transmittal)
	some Economy Products (water)
	Note: Acid, B/N, Pest analysis
	not completed for samples:
	00-18, 20, 21.
	Also tetraethyl Lead method
	is not yet developed.

Attachments

cc: Data Files

TITLE: ECONOMY PRODUCTS/CAPITOL OIL
 REF: EAL
 FILE PREP: _____ ANALYST/ENTRY: E19

MATRIX: SEDIMENT
 METHOD: 9302M01
 REVIEWER: *ELS* *SR*

UNITS: UG/KG
 CASE: 1209G
 DATE: 05/31/85

SAMPLE NUMBERS

COMPOUND	AR130017	AR130018	AR130020	AR130021
ALPHA-BHC	120 U	120 U	2.00 U	2.70 U
BETA-BHC	120 U	500.00 U	2.00 U	20.0 U
DELTA-BHC	120 U	120 U	7.70 U	110.00 U
GAMMA-BHC	120 U	260.00 U	4.20 U	20.0 U
HEPTACHLOR	120 U	120 U	2.00 U	20.0 U
ALDRIN	120 U	120 U	2.00 U	180.00 U
HEPTACHLOR EPOXIDE	120 U	120 U	2.00 U	20.0 U
ENDOSULFAN I	120 U	120 U	2.80 U	20.0 U
DELDRIN	240 U	240 U	4.00 U	40.0 U
4,4'-DDE	240 U	240 U	4.00 U	40.0 U
ENDRIN	320 U	240 U	7.80 U	40.0 U
ENDOSULFAN II	240 U	240 U	4.00 U	28.00 U
4,4'-DDD	240 U	240 U	4.00 U	22.00 U
ENDRIN ALDEHYDE	240 U	240 U	4.00 U	40.0 U
ENDOSULFAN SULFATE	240 U	240 U	4.00 U	16.00 U
1,1'-DIB		I	5.90 U	7.70 U
ENDRIN KETONE	240 U	240 U	4.00 U	40.0 U
METHOXYCHLOR	1200. U	1200. U	20.0 U	200 U
CREANE	1200. U	1200. U	20.0 U	200 U
BHC	2400. U	4500.00 U	40.0 U	400 U
1201-1016	1200. U	1200. U	20.0 U	200 U
1201-1021	1200. U	1200. U	20.0 U	200 U
1201-1032	1200. U	1200. U	20.0 U	200 U
1201-1042	1200. U	1200. U	20.0 U	200 U
1201-1048	1200. U	1200. U	20.0 U	200 U
1201-1054	2400. U	2400. U	40.0 U	400 U
1201-1060	2400. U	2400. U	40.0 U	400 U

DATA QUALIFIERS FOR EPA REGION VII

- U not detected. For EPA VII lab data U is applied only in conjunction with detection limits. For contract lab data it is applied to contract required limits.
- M The value indicated is below the quantitation limit but above the detection limit.
- J The value is of unknown quality. Approximate value.
- I analysis attempted but no result can be reported.

TITLE: CAI 3011
 MATRIX: SEDIMENT
 SAMPLE PRID:
 REVIEWER: *K. STEAF*

LAB: RMA
 UNITS: *mg/kg*
 ANALYST/ENTRY: CUR

CASE: 2054
 METHOD #: 2001M03
 DATE: 10/03/04

COMPOUND	STORE#	SAMPLE NUMBERS							
		AQ1300	AQ1301	AQ1302	AQ1303	AQ1304	AQ1305	AQ1306	AQ1307
ALUMINUM	01100	2500	1600	1400	2500	1200	1500	2400	3000
ANTIMONY	01090	210	370	170	170	370	120	1. U	170
ARSENIC	01003	110	30	24	140	370	370	110	110
BARIUM	01000	160	170	130	110	300	100	170	25
BERYLLIUM	01013	2.5U	2.5U	2.5U	2.5U	.25 U	.25 U	.40	2.5U
BORON	01023	U	U	U	U	U	U	U	U
CADMIUM	01020	100	100	100	120	270	100	100	550
CHROMIUM	01029	270	21	27	21	27	270	270	100
COBALT	01030	25. U	25. U	25. U	25. U	25. U	25. U	25. U	25. U
COPPER	01043	110	97	110	25. U	370	100	140	200
IRON	01170	1500	1800	1400	1400	1500	1700	1800	1200
LEAD	01052	270	220	110	680	900	350	240	210
MANGANESE	01053	320	210	210	190	240	20	40	220
MERCURY	71921	22	15	.1 U	15	.10	.1 U	.10	.10
NICKEL	01060	20	20. U	20. U	20. U	5.1	270	10	20. U
SELENIUM	01140	1. U	1. U	1. U	1. U	1. U	1. U	1. U	1. U
SILVER	01070	5. U	5. U	5. U	5. U	.50	.5 U	.5 U	5. U
THALLIUM	34480	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U
TIN	01103	18. U	18. U	18. U	18. U	1.8U	1.8U	1.8U	18. U
VANADIUM	01088	100. U	100. U	100. U	100. U	10. U	10. U	10. U	100. U
ZINC	01093	180	180	170	310	330	170	210	240

360889

ANALYSIS TYPE: CONTRACT INORGANICS, TOTAL

TITLE: CAPITOL OIL
 MATRIX: SEDIMENT
 SAMPLE PREP:
 REVIEWER: *GCST/CAF/CMC/10/31/04*

LAB: RMA
 UNITS: ~~mg/kg~~ mg/kg
 ANALYSIS/ENTRY: CDR

CASE: 2054
 METHOD #: 7001M03
 DATE: 10/03/04

COMPOUND	STORET#	SAMPLE NUMBERS								
		AQ1300	AQ1307	AQ1310	AQ1311	AQ1312	AQ1313	AQ1314	AQ1315	
ALUMINUM	01100	3700	4000	3400	5200	4000	4400	4400	3500	
ANTIMONY	01078	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
ARSENIC	01003	19	22	19	17.5	19	17	19	15.5	
BARIUM	01000	20	20	20	20	30	30	170	100	
BERYLLIUM	01013	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	2.5U	
BORON	01023	U	U	U	U	U	U	U	U	
CADMIUM	01028	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
CHROMIUM	01029	12	11	12	11	12	12	10.9	11	
COBALT	01030	25. U	25. U	25. U	25. U	25. U	25. U	25. U	25. U	
COPPER	01043	40	45	40	40	30	30	120	150	
IRON	01170	26000	21000	20000	17000	17000	10000	14000	22000	
LEAD	01052	250	320	250	240	340	220	340	200	
MANGANESE	01053	260	360	330	310	200	100	170	140	
MERCURY	71921	.1 U	.23	.11	.20	.16	.10	.34	.22	
NICKEL	01060	20. U	20. U	20. U	20. U	20. U	20. U	15	17	
SELENIUM	01140	1. U	1. U	1. U	1. U	1. U	1. U	1.5	1.5	
SILVER	01078	5. U	5. U	5. U	5. U	5. U	5. U	5. U	5. U	
THALLIUM	34400	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	.5 U	
ZINC	01103	18. U	18. U	18. U	1. U	18. U	18. U	2. U	1.8U	
THORIUM	01008	100. U	100. U	100. U	100. U	100. U	100. U	100. U	100. U	
URANIUM	01093	510	370	290	340	210	330	410	200	

300890

ANALYSIS TYPE: CONTRACT TO SERVICES, TOTAL

TITLE: CAPITAL OIL
 MATRIX: SEDIMENT
 SAMPLE PREP:
 REVIEWER: *W.S. EAF* *QML 11/13/11*

LAB: RMA
 UNITS: *mg/kg*
 ANALYST/ENTRY: CDM

CASE: 2054
 METHOD #: 2001M03
 DATE: 10/03/04

SAMPLE NUMBERS

COMPOUND	STORE#	AD1316
ALUMINUM	01100	13700
ANTIMONY	01090	1. U
ARSENIC	01003	13700
BARIUM	01000	1300
BERYLLIUM	01013	13700
BORON	01023	U
CADMIUM	01020	13700
CHROMIUM	01029	13700
COBALT	01030	13700
COPPER	01043	25
IRON	01170	10000
LEAD	01052	1000
MANGANESE	01053	1300
MERCURY	71921	13700
NICKEL	01068	13700
SELENIUM	01140	13700
SILVER	01070	.5 U
THALLIUM	34400	.5 U
TIN	01103	1.8U
VANADIUM	01008	13700
ZINC	01093	1100

306891

TITLE: CAIL total metals
 MATRIX: SEWAGE TREATMENT
 SAMPLE PREP: *6312AE/MS 9/24/84*
 REVIEWER: *6312AE/MS 9/24/84*

LAB: RMA
 UNITS: ~~ug/mg~~ mg/kg
 ANALYST/ENTRY: COM

CASE: 2854
 METHOD #: 9001M03
 DATE: 09/21/84

COMPOUND	STORE#	SAMPLE NUMBERS			
		AQ1317	AQ1318	AQ1320	AQ1321
ALUMINUM	01108	500	2000	2000	2100
ANTIMONY	01098	1. U	1. U	1. U	1. U
ARSENIC	01003	4	3.2	10	7
BARIUM	01008	31	19.5	120	140
BERYLLIUM	01013	.25 U	.25 U	.56	.47
BORON	01027	U	U	U	U
CADMIUM	01028	1	16	1.2	84
CHROMIUM	01029	2.4	17.2	7.8	7.5
CORAL	01038	2.6	2.5U	8.4	7.2
COPPER	01043	9.5	6.2	15	11
IRON	01170	5100	5200	17000	12000
LEAD	01052	100	179	114	21
MANGANESE	01053	220	190	370	340
MERCURY	71921	.01 U	.01 U	.01 U	.01 U
NICKEL	01068	8	88	16	14
SELENIUM	01148	2	11	.1 U	.1 U
SILVER	01078	.5 U	.5 U	.5 U	.5 U
THALLIUM	34480	.5 U	.5 U	.5 U	.5 U
TIN	01103	1.5U	1.5U	1.5U	1.5U
TANADIUM	01088	10. U	10. U	31	14
ZINC	01093	64	49	47	46

300892

TITLE: CA IL
MATRIX: WATER
SAMPLE REF: _____
REVIEWER: SES/ELP

LAB: WIL
UNITS: UG/L
ANALYST/ENTRY: COM

CASE: 2854
METHOD #: 9001H03
DATE: 10/10/84

SAMPLE NUMBERS

COMPOUND	STORET #	
ALUMINUM	01105	<u>12000</u>
ANTIMONY	01097	20. U
ARSENIC	01002	<u>120</u>
BARIUM	01007	<u>600</u>
BERYLLIUM	01012	5. U
CADMIUM	01027	<u>2</u>
CALCIUM	00916	. I
CHROMIUM	01034	10. U
COBALT	01037	50. U
COPPER	01042	50. U
IRON	01045	<u>20000</u>
LEAD	01051	43. U
MAGNESIUM	00927	. I
MANGANESE	01055	<u>2500</u>
MERCURY	71900	<u>3.5</u>
NICKEL	01067	40. U
POTASSIUM	00937	. I
SELENIUM	01147	2. U
SILVER	01077	10. U
SODIUM	00929	. I
THALLIUM	01059	10. U
TIN	01102	30. U
TITANIUM	01087	200. U
ZINC	01092	<u>150</u>

300893

ANALYSIS TYPE: CONTRA GANICS

TITLE: LUNOHY PRODUCTS DZSSCLVED METALS

LAB: CHE

CASE: 2854

MATRIX: WATER

UNITS: UG/L

METHOD #: 9001M01

SAMPLE PREP: / / / / /

ANALYST/ENTRY: TLD

DATE: 08/16/84

REVIEWER: *AR* / / / / /

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1322	AQ1838	AQ1839
ALUMINUM	01105	200. U	200. U	200. U
ANTIMONY	01097	20. U	20. U	20. U
ARSENIC	01002	10. U	38. U	36. U
BARIUM	01007	180. U	250. U	270. U
BERYLLIUM	01012	5. U	5. U	5. U
BORON	01022	100. U	100. U	100. U
CADMIUM	01027	1. U	1. U	1. U
CHROMIUM	01034	10. U	10. U	10. U
COBALT	01037	50. U	50. U	50. U
COPPER	01042	50. U	50. U	50. U
IRON	01045	1700. U	290. U	110. U
LEAD	01051	5. U	5. U	5. U
MANGANESE	01055	1700. U	320. U	1200. U
MERCURY	71900	.2. U	.2. U	.2. U
NICKEL	01067	40. U	40. U	40. U
SELENIUM	01147	2. U	2. U	2. U
SILVER	01077	10. U	10. U	10. U
THALLIUM	01059	10. U	10. U	10. U
TIN	01102	20. U	20. U	20. U
VANADIUM	01087	200. U	200. U	200. U
ZINC	01092	10. U	10. U	10. U

300894

TITLE: C DIL

MATRIX: WATER

SAMPLE PREP: / / / / /

REVIEWER: KS/CAF / / / / /

ANALYSIS TYPE: CONTRACT ORGANICS
LAB: ERC
UNITS: UG/L
ANALYST/ENTRY: COA

CASE: 2854
METHOD #: 9301M07
DATE: 10/09/84

SAMPLE NUMBER8

COMPOUND	STORE#	AQ1322
2,4,6 TRICHLOROPHENOL	34621	10. U
P-CHLORO-M-CRESOL	34452	20. U
2-CHLOROPHENOL	34586	10. U
2,4 DICHLOROPHENOL	34601	10. U
2,4 DIMETHYLPHENOL	34606	10. U
2-NITROPHENOL	34591	20. U
4-NITROPHENOL	34646	100. U
2,4-DINITROPHENOL	34616	50. U
4,6 DINITRO-2-METHYLPHENOL	34657	20. U
PENTACHLOROPHENOL	39032	20. U
PHENOL	34694	10. U

300895

TITLE: CA: L OIL

MATRIX: WATER

SAMPLE PREP: /-----/

REVIEWER: *SS/DE* /-----/

LAB: ERC

UNITS: UG/L

ANALYST/ENTRY: COB

CASE: 2854

METHOD #: 9301M07

DATE: 10/09/84

SAMPLE NUMBERS

AQ1322

COMPOUND	STORE#	
ACENAPHTHENE	34205	10. U
BENZIDINE	39120	40. U
1,2,4 TRICHLOROBENZENE	34551	10. U
HEXACHLOROBENZENE	39700	10. U
HEXACHLOROETHANE	34396	10. U
BIS(2-CHLOROETHYL)ETHER	34273	10. U
2-CHLORONAPHTHALENE	34581	10. U
1,2 DICHLOROBENZENE	34536	10. U
1,3 DICHLOROBENZENE	34566	10. U
1,4 DICHLOROBENZENE	34571	10. U
3,3' DICHLOROBENZIDINE	34631	20. U
2,4 DINITROTOLUENE	34611	20. U
2,6 DINITROTOLUENE	34626	10. U
1,2 DIPHENYLHYDRAZINE	34346	20. U
FLUORANTHENE	34376	10. U
4-CHLOROPHENYL PHENYL ETHER	34641	10. U
4-BROMOPHENYL PHENYL ETHER	34636	10. U
BIS(2-CHLOROISOPROPYL)ETHER	34283	20. U
BIS(2-CHLOROETHOXY)METHANE	34278	20. U
HEXACHLOROBUTADIENE	39702	10. U
HEXACHLOROCYCLOPENTADIENE	34386	10. U
ISOPHORONE	34408	10. U
NAPHTHALENE	34408	10. U
NITROBENZENE	34447	10. U
N-NITROSODIPHENYLAMINE	34433	10. U
N-NITROSODI-N-PROPYLAMINE	34428	20. U
BIS(2-ETHYLHEXYL) PHTHALATE	39100	10. U
BENZYL BUTYL PHTHALATE	34393	10. U
DI-N-BUTYL PHTHALATE	39110	10. U
DI-N-OCTYL PHTHALATE	34596	10. U
DIETHYL PHTHALATE	34336	10. U
DIMETHYL PHTHALATE	34341	10. U
BENZO(A)ANTHRACENE	34526	10. U
BENZO(A)PYRENE	34247	20. U
BENZO(B)FLUORANTHENE	34230	20. U
BENZO(K)FLUORANTHENE	34242	20. U
CHRYSENE	34320	10. U
ACENAPHTHYLENE	34200	10. U
ANTHRACENE	34220	10. U
BENZO(GHI)PERYLENE	34521	20. U
FLUORENE	34381	10. U
PHENANTHRENE	34461	10. U
DIBENZO(A,H)ANTHRACENE	34556	20. U
INDENO(1,2,3,CD)PYRENE	34403	20. U
PYRENE	34469	10. U

300896

TITLE: CARBOL OIL

MATRIX: WATER

SAMPLE PREP: / / / / /

REVIEWER: KLIC/CF

LAB: ERC

UNITS: UG/L

ANALYST/ENTRY: COH

CASE: 2854

METHOD #: 9301M07

DATE: 10/09/84

SAMPLE NUMBERS

COMPOUND	STORET#	AQ1322
ANILINE	77089	10. U
BENZYL ALCOHOL	81671	20. U
4-CHLOROANILINE	*****	50. U
DIBENZOFURAN	81302	10. U
2-METHYLNAPHTHALENE	77416	20. U
3-NITROANILINE	*****	100. U
4-NITROANILINE	*****	100. U
5-NITROANILINE	*****	100. U
ENZOIC ACID	77247	100. U
3-METHYLPHENOL	77152	10. U
4-METHYLPHENOL	77151	10. U
2,4,5 TRICHLOROPHENOL	77687	100. U

300897

TITLE: CAI L/ECON. PROD.

MATRIX: SEDIMENT

SAMPLE PREP:

REVIEWER: *SMR 10/12/84*

LAB: EAL

UNITS: UG/KG

ANALYST/ENTRY: COV

CASE: 1209G

METHOD #: 9301M05

DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1300	AQ1301	AQ1302	AQ1303	AQ1304	AQ1305	AQ1306	AQ1307
ACROLEIN	34213	500. U	1000. U	1000. U	1000. U	500. U	500. U	50. U	50. U
ACRYLONITRILE	34218	500. U	1000. U	1000. U	1000. U	500. U	500. U	50. U	50. U
BENZENE	34237	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
CARBON TETRACHLORIDE	34299	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
CHLOROBENZENE	34304	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
1,2 DICHLOROETHANE	34534	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
1,1,1 TRICHLOROETHANE	34509	25. U	76	1500	1400	2400	25. U	2.5U	2.5U
1,1 DICHLOROETHANE	34499	25. U	240	160	240	276	25. U	2.5U	2.5U
1,1,2 TRICHLOROETHANE	34514	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
1,1,2,2 TETRACHLOROETHANE	34519	50. U	100. U	100. U	100. U	50. U	50. U	5. U	5. U
CHLOROETHANE	34314	50. U	100. U	100. U	100. U	50. U	50. U	5. U	5. U
1-CHLOROETHYL VINYL ETHER	34579	50. U	100. U	100. U	100. U	50. U	50. U	5. U	5. U
CHLOROFORM	34318	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
1,1 DICHLOROETHYLENE	34504	25. U	50. U	50. U	50. U	1600	25. U	2.5U	2.5U
TRANS 1,2 DICHLOROETHENE	34549	50. U	100. U	420	100. U	50. U	50. U	5. U	5. U
1,2 DICHLOROPROPANE	34544	50. U	100. U	100. U	100. U	50. U	50. U	5. U	5. U
TRANS 1,3 DICHLOROPROPENE	34697	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
CIS 1,3 DICHLOROPROPENE	34702	50. U	100. U	100. U	100. U	50. U	50. U	5. U	5. U
ETHYLBENZENE	34374	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
ETHYLENE CHLORIDE	34426	2500	13000	1100	50. U	1200	25. U	2.5U	2.5U
CHLOROMETHANE	34421	50. U	100. U	100. U	100. U	50. U	50. U	5. U	5. U
BROMOMETHANE	34416	50. U	100. U	100. U	100. U	50. U	50. U	5. U	5. U
BROMOFORM	34290	50. U	100. U	100. U	100. U	50. U	50. U	5. U	5. U
BROMODICHLOROMETHANE	34330	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
CHLORODIBROMOMETHANE	34309	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
TETRACHLOROETHENE	34478	25. U	50. U	50. U	50. U	370	25. U	2.5U	2.5U
OLUENE	34483	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
TRICHLOROETHENE	34487	272	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
VINYL CHLORIDE	34495	50. U	100. U	100. U	100. U	50. U	50. U	5. U	5. U

300898

TITLE: CAPITOL OIL/ECON. PROD.
 MATRIX: SEDIMENT
 SAMPLE PREP:
 REVIEWER: *EX-16631 CM-76112721*

LAB: EAL
 UNITS: UG/KG
 ANALYST/ENTRY: COV

CASE: 1209G
 METHOD #: 9301M05
 DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1308	AQ1309	AQ1310	AQ1311	AQ1312	AQ1313	AQ1314	AQ1315
PROLEIN	34213	50. U	50. U	50. U	50. U	230. U	50. U	500. U	500. U
CRYLONITRILE	34218	50. U	50. U	50. U	50. U	230. U	50. U	500. U	500. U
BENZENE	34237	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
CARBON TETRACHLORIDE	34299	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
CHLOROBENZENE	34304	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
1,2 DICHLOROETHANE	34534	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
1,1,1 TRICHLOROETHANE	34509	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
1,1 DICHLOROETHANE	34499	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
1,1,2 TRICHLOROETHANE	34514	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
1,1,2,2 TETRACHLOROETHANE	34519	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U
CHLOROETHANE	34314	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U
1,1-DICHLOROETHYL VINYL ETHER	34579	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U
CHLOROFORM	34318	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
1,1 DICHLOROETHYLENE	34504	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
TRANS 1,2 DICHLOROETHENE	34549	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U
1,2 DICHLOROPROPANE	34544	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U
TRANS 1,3 DICHLOROPROPENE	34697	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
CIS 1,3 DICHLOROPROPENE	34702	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U
ETHYLBENZENE	34374	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
ETHYLENE CHLORIDE	34426	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
1,1-DIBROMOETHANE	34421	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U
1,1-DIBROMOETHANE	34416	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U
1,1-DIBROMOETHANE	34290	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U
1,1-DIBROMOETHANE	34330	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
1,1-DIBROMOETHANE	34309	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
TETRACHLOROETHENE	34478	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
1,2-DICHLOROETHENE	34403	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
1,1,2-TRICHLOROETHENE	34487	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
VINYL CHLORIDE	34495	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U

300899

TITLE: CAP. OIL/ECON. PROD.

MATRIX: SEDIMENT

SAMPLE PREP: *DMR*REVIEWER: *ET/CS/DMR/10/12/84*

LAB: EAL

UNITS: UG/KG

ANALYST/ENTRY: COV

CASE: 12076

METHOD #: 9301M01

DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1316	AQ1317	AQ1318	AQ1320	AQ1321
ACROLEIN	34213	250. U	500. U	100. U	100. U	50. U
ACRYLONITRILE	34218	250. U	500. U	100. U	100. U	50. U
BENZENE	34237	13. U	25. U	5. U	5. U	2.50
CARBON TETRACHLORIDE	34299	13. U	25. U	5. U	5. U	2.50
CHLOROBENZENE	34304	13. U	25. U	5. U	5. U	2.50
1,2 DICHLOROETHANE	34534	13. U	25. U	5. U	5. U	2.50
1,1,1 TRICHLOROETHANE	34509	13. U	25. U	5. U	5. U	2.50
1,1 DICHLOROETHANE	34499	13. U	25. U	5. U	5. U	2.50
1,1,2 TRICHLOROETHANE	34514	13. U	25. U	5. U	5. U	2.50
1,1,2,2 TETRACHLOROETHANE	34519	25. U	50. U	10. U	10. U	5. U
CHLOROETHANE	34314	25. U	50. U	10. U	10. U	5. U
2-CHLOROETHYL VINYL ETHER	34579	25. U	50. U	10. U	10. U	5. U
CHLOROFORM	34318	13. U	25. U	5. U	5. U	2.50
1,1 DICHLOROETHYLENE	34504	13. U	25. U	5. U	5. U	2.50
TRANS 1,2 DICHLOROETHENE	34549	25. U	50. U	10. U	10. U	5. U
1,2 DICHLOROPROPANE	34581	25. U	50. U	10. U	10. U	5. U
TRANS 1,3 DICHLOROPROPENE	34697	13. U	25. U	5. U	5. U	2.50
CIS 1,3 DICHLOROPROPENE	34702	25. U	50. U	10. U	10. U	5. U
ETHYLBENZENE	34374	13. U	25. U	5. U	5. U	2.50
ETHYLENE CHLORIDE	34426	13. U	25. U	5. U	5. U	2.50
CHLOROMETHANE	34421	25. U	50. U	10. U	10. U	5. U
BROMOMETHANE	34411	25. U	50. U	10. U	10. U	5. U
DIHALOFORM	34290	25. U	50. U	10. U	10. U	5. U
MONODICHLOROMETHANE	34330	13. U	25. U	5. U	5. U	2.50
DIHALODIBROMOMETHANE	34309	13. U	25. U	5. U	5. U	2.50
1,1,1 TRICHLOROETHENE	34478	13. U	25. U	5. U	5. U	2.50
TOLUENE	34483	13. U	25. U	5. U	5. U	2.50
TRICHLOROETHENE	34487	13. U	25. U	5. U	5. U	2.50
VINYL CHLORIDE	34495	25. U	50. U	10. U	10. U	5. U

300900

TITLE: CIL
MATRIX: W.
SAMPLE PREP: /-----/
REVIEWER: KJ/CF/-----

LAB: ERC
UNITS: UG/L
ANALYST/ENTRY: COV

CASE: 2854
METHOD #: 9301M07
DATE: 10/09/84

SAMPLE NUMBERS

AD1322

COMPOUND	STORE#	
ACROLEIN	34210	100. U
ACRYLONITRILE	34215	100. U
BENZENE	34030	5. U
CARBON TETRACHLORIDE	32102	5. U
CHLOROBENZENE	34301	5. U
1,2 DICHLOROETHANE	32103	5. U
1,1,1 TRICHLOROETHANE	34506	5. U
1,1 DICHLOROETHANE	34496	5. U
1,1,2 TRICHLOROETHANE	34511	5. U
1,1,2,2 TETRACHLOROETHANE	34516	10. U
CHLOROETHANE	34311	10. U
1,2-DICHLOROETHYL VINYL ETHER	34576	10. U
CHLOROFORM	32106	5. U
1,1 DICHLOROETHYLENE	34501	5. U
TRANS 1,2 DICHLOROETHENE	34546	10. U
1,2 DICHLOROPROPANE	34541	10. U
TRANS 1,3 DICHLOROPROPENE	34699	5. U
CIS 1,3 DICHLOROPROPENE	34704	10. U
ETHYLBENZENE	34371	5. U
METHYLENE CHLORIDE	34423	5. U
CHLOROMETHANE	34418	10. U
BROMOMETHANE	34413	10. U
BROMOFORM	32104	10. U
BROMODICHLOROMETHANE	32101	5. U
CHLORODIBROMOMETHANE	32105	5. U
TETRACHLOROETHENE	34475	5. U
TOLUENE	34010	5. U
TRICHLOROETHENE	34485	5. U
VINYL CHLORIDE	39175	10. U

30090L

TITLE: CAI OIL/ECON. PROD.
 MATRIX: SEDIMENT
 SAMPLE PREP:
 REVIEWER: *W. K. S. [Signature]*

LAB: EAL
 UNITS: UG/KG
 ANALYST/ENTRY: COS

CASE: 1209G
 METHOD #: 9301M05
 DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1300	AQ1301	AQ1302	AQ1303	AQ1304	AQ1305	AQ1306	AQ1307
ACETONE	75059	500. U	860. U	1000. U	1000. U	500. U	500. U	50. U	50. U
2-BUTANONE	75078	1000. U	2000. U	2000. U	2000. U	1000. U	1000. U	100. U	100. U
CARBON DISULFIDE	78544	50. U	100. U	100. U	100. U	50. U	50. U	5. U	5. U
2-HEXANONE	75166	500. U	1000. U	1000. U	1000. U	500. U	500. U	50. U	50. U
2-METHYL-2-PENTANONE	75169	1000. U	1000. U	1000. U	1000. U	500. U	500. U	50. U	50. U
STYRENE	75129	25. U	50. U	50. U	50. U	25. U	25. U	2.5U	2.5U
ETHYL ACETATE	****	50. U	100. U	100. U	100. U	50. U	50. U	5. U	5. U
BENZENE	45510	25. U	50. U	200. U	50. U	25. U	25. U	2.5U	2.5U

200902

ANALYSIS TYPE: HSL VOLAT

TITLE: CAP10L OIL/ECON. PROD.
 MATRIX: SEDIMENT
 SAMPLE PREP:
 REVIEWER: *[Signature]*

LAB: EAL
 UNITS: UG/NG
 ANALYST/ENTRY: COS

CASE: 1209B
 METHOD #: 9301M05
 DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1308	AQ1309	AQ1310	AQ1311	AQ1312	AQ1313	AQ1314	AQ1315
ACETONE	75059	50. U	50. U	50. U	50. U	230. U	50. U	500. U	500. U
2-BUTANONE	75078	100. U	100. U	100. U	100. U	450. U	100. U	1000. U	1000. U
CARBON DISULFIDE	78544	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U
2-HEXANONE	75166	50. U	50. U	50. U	50. U	230. U	50. U	500. U	500. U
4-METHYL-2-PENTANONE	75169	50. U	50. U	50. U	50. U	230. U	50. U	500. U	500. U
STYRENE	75129	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U
VINYL ACETATE	*****	5. U	5. U	5. U	5. U	23. U	5. U	50. U	50. U
O XYLENE	45510	2.5U	2.5U	2.5U	2.5U	11. U	2.5U	25. U	25. U

300903

ANALYSIS TYPE: HSL VOLAT

TITLE: CAPITOL OIL/ECON. PROD.
 MATRIX: SEDIMENT
 SAMPLE PREP: *1/16/85*
 REVIEWER: *W. J. [Signature]*

LAB: EAL
 UNITS: UG/KG
 ANALYST/ENTRY: COS

CASE: 1209G
 METHOD #: 9301M05
 DATE: 10/12/84

SAMPLE NUMBERS

COMPOUND	STORE#	AQ1316	AQ1317	AQ1318	AQ1320	AQ1321
ACETONE	75059	250. U	500. U	100. U	100. U	50. U
2-BUTANONE	75078	500. U	1000. U	200. U	200. U	100. U
CARBON DISULFIDE	78544	25. U	50. U	10. U	10. U	5. U
2-HEXANONE	75166	250. U	500. U	100. U	100. U	50. U
4-METHYL-2-PENTANONE	75169	250. U	500. U	100. U	100. U	50. U
STYRENE	75129	13. U	25. U	5. U	5. U	2.5U
VINYL ACETATE	*****	25. U	50. U	10. U	10. U	5. U
O XYLENE	45510	13. U	25. U	5. U	5. U	2.5U

300904

TITLE: C. OIL
MATRIX: WATER
SAMPLE PREP: /-----/
REVIEWER: GS/EF /-----/

LAB: ERC
UNITS: UG/L
ANALYST/ENTRY: COS

CASE: 2854
METHOD #: 9301M07
DATE: 10/09/84

SAMPLE NUMBERS

COMPOUND	STORET#	AQ1322
ACETONE	81552	100. U
2-BUTANONE	81595	200. U
CARBON DISULFIDE	81309	10. U
2-HEXANONE	77103	100. U
4-METHYL-2-PENTANONE	81596	100. U
STYRENE	77128	5. U
VINYL ACETATE	77057	10. U
O XYLENE	81551	5. U

300905

TITLE: OIL/ECONOMY PROD.
MATRIX: MENT
REVIEWER: GCS

ANALYSIS: GC/MS SCANS
UNITS: UG/KG
DATE: 10/12/84

LAB: CAS 12096
MET: ID: 9301M05

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. †
AQ1300	UNKNOWN (SCAN 223)	VOA	J
AQ1300	UNKNOWN (SCAN 415)	VOA	J
AQ1300	UNKNOWN (SCAN 532)	VOA	J
AQ1300	UNKNOWN (SCAN 675)	VOA	J
AQ1300	UNKNOWN (SCAN 937)	VOA	J
AQ1301	UNKNOWN (SCAN 533)	VOA	J
AQ1301	UNKNOWN (SCAN 633)	VOA	J
AQ1301	UNKNOWN (SCAN 939)	VOA	J
AQ1302	METHYLCYCLOHEXANE	VOA	100 J
AQ1302	UNKNOWN (SCAN 966)	VOA	J
AQ1303	NOTHING SIGNIFICANT FOUND		
AQ1304	METHYLCYCLOHEXANE	VOA	200 J
AQ1304	UNKNOWN (SCAN 940)	VOA	J
AQ1305	NOTHING SIGNIFICANT FOUND		
AQ1306	NOTHING SIGNIFICANT FOUND		
AQ1307	NOTHING SIGNIFICANT FOUND		
AQ1308	NOTHING SIGNIFICANT FOUND		
AQ1309	1,1,3-TRIMETHYLCYCLOHEXANE	VOA	4.0 J
AQ1309	UNKNOWN (SCAN 965)	VOA	J
AQ1310	DICHLORODIFLUOROMETHANE	VOA	250 J
AQ1310	UNKNOWN (SCAN 764)	VOA	5.0 J
AQ1310	1,1,3-TRIMETHYLCYCLOHEXANE	VOA	14 J
AQ1310	UNKNOWN (SCAN 922)	VOA	J
AQ1310	UNKNOWN (SCAN 943)	VOA	J
AQ1310	UNKNOWN (SCAN 965)	VOA	J

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.
** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH ROUTINE. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY COMPOUND MASS SPECTRA AND RETENTION TIMES.

300906

TITLE: OIL/ECONOMY PRODUCTS ANALYSIS: GC/MS SCANS
MATRIX: BENT
REVIEWED BY: GCS

UNITS: UG/KG
DATE: 10/12/84

LAI
CAS: .2096
METHOD NO: 9301M05

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *
AQ1311	UNKNOWN (SCAN 728)	VOA	J
AQ1311	UNKNOWN (SCAN 776)	VOA	J
AQ1311	UNKNOWN (SCAN 822)	VOA	J
AQ1311	UNKNOWN (SCAN 963)	VOA	J
AQ1312	DICHLORODIFLUOROMETHANE	VOA	1600 J
AQ1312	UNKNOWN (SCAN 778)	VOA	J
AQ1312	UNKNOWN (SCAN 965)	VOA	J
AQ1313	UNKNOWN (SCAN 838)	VOA	J
AQ1313	UNKNOWN (SCAN 964)	VOA	J
AQ1314	METHYLCYCLOHEXANE	VOA	42 J
AQ1314	UNKNOWN (SCAN 637)	VOA	J
AQ1314	UNKNOWN (SCAN 714)	VOA	J
AQ1314	UNKNOWN (SCAN 730)	VOA	J
AQ1314	UNKNOWN (SCAN 733)	VOA	J
AQ1314	UNKNOWN (SCAN 763)	VOA	J
AQ1314	1,1,3-TRIMETHYLCYCLOHEXANE	VOA	36 J
AQ1314	UNKNOWN (SCAN 939)	VOA	J
AQ1314	UNKNOWN (SCAN 966)	VOA	J

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.
** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH ROUTINE. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY COMPOUND MASS SPECTRA AND RETENTION TIMES.

300907

TITLE: OIL/ECONOMY PRODUCTS ANALYSIS: GC/MS SCANS
MATRIX: MENT
REVIEWED BY: GCS

UNITS: UG/KG
DATE: 10/12/84

LAF
CAS: 12096
MLTHOD NO: 9301M05

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *	
AQ1315	METHYLCYCLOPENTANE	VOA	55	J
AQ1315	UNKNOWN (SCAN 529)	VOA		J
AQ1315	METHYLCYCLOHEXANE	VOA	334	J
AQ1315	UNKNOWN (SCAN 624)	VOA		J
AQ1315	2,3-DIMETHYLPENTANE	VOA	303	J
AQ1315	UNKNOWN (SCAN 677)	VOA		J
AQ1315	UNKNOWN (SCAN 714)	VOA		J
AQ1315	UNKNOWN (SCAN 734)	VOA		J
AQ1315	UNKNOWN (SCAN 750)	VOA		J
AQ1315	2,2-DIMETHYL-3-HEXENE	VOA	438	J
AQ1315	1,1,3-TRIMETHYLCYCLOHEXANE	VOA	453	J
AQ1315	UNKNOWN (SCAN 924)	VOA		J
AQ1315	UNKNOWN (SCAN 940)	VOA		J
AQ1315	UNKNOWN (SCAN 966)	VOA		J

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.
** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH ROUTINE. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY COMPOUND MASS SPECTRA AND RETENTION TIMES.

806008

TITLE: OIL/ECONOMY PRODUCTS ANALYSIS: GC/MS SCANS
MATRIX: .MENT
REVIEWED BY: GCS

UNITS: UG/KG
DATE: 10/12/84

LAL
CAS: 12096
METHOD NO: 9301M05

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *	
AQ1316	METHYLCYCLOPENTANE	VOA	131	J
AQ1316	UNKNOWN (SCAN 530)	VOA		J
AQ1316	METHYLCYCLOHEXANE	VOA	290	J
AQ1316	UNKNOWN (SCAN 625)	VOA		J
AQ1316	2,3-DIMETHYLPENTANE	VOA	228	J
AQ1316	UNKNOWN (SCAN 677)	VOA		J
AQ1316	2,2,3,3-TETRAMETHYLBUTANE	VOA	707	J
AQ1316	UNKNOWN (SCAN 764)	VOA		J
AQ1316	UNKNOWN (SCAN 824)	VOA		J
AQ1316	UNKNOWN (SCAN 924)	VOA		J
AQ1316	UNKNOWN (SCAN 941)	VOA		J
AQ1316	UNKNOWN (SCAN 966)	VOA		J
AQ1317	NOTHING SIGNIFICANT FOUND			
AQ1318	NOTHING SIGNIFICANT FOUND			
AQ1320	NOTHING SIGNIFICANT FOUND			
AQ1321	NOTHING SIGNIFICANT FOUND			

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.
** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH ROUTINE. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY COMPOUND MASS SPECTRA AND RETENTION TIMES.

360289

TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.	COMPOUND NAME **	FRACTION	EST. CONC. *
AQ1322	NOTHING SIGNIFICANT FOUND		
AQ1838	NOTHING SIGNIFICANT FOUND		
AQ1839	NOTHING SIGNIFICANT FOUND		
AQ1840	NOTHING SIGNIFICANT FOUND		
AQ1841	NOTHING SIGNIFICANT FOUND		

* THIS IS A CRUDE ESTIMATION BASED ON RESPONSE RELATIVE TO AN INTERNAL STANDARD. AN AUTHENTIC STANDARD HAS NOT BEEN RUN.
** THE COMPOUNDS WERE IDENTIFIED USING A LIBRARY SEARCH ROUTINE. AUTHENTIC STANDARDS HAVE NOT BEEN ANALYZED TO VERIFY COMPOUND MASS SPECTRA AND RETENTION TIMES.

300010

APPENDIX 6

SAMPLE DATA
(BY COMPOUND)
ECONOMY PRODUCTS/CAPITOL OIL

TABLE 6.1A	. . .Pesticides	Economy Products
6.1B	. . .Pesticides	Capitol Oil
6.2A	. . .Volatiles	Economy Products
6.2B	. . .Volatiles	Capitol Oil
6.3A	. . .Semivolatiles	Economy Products
6.3B	. . .Semivolatiles	Capitol Oil
6.4A	. . .Metals	Economy Products
6.4B	. . .Metals	Capitol Oil

300912

Table 6.1A
Pesticides
Soil Samples†
Economy Products Site
Omaha, Nebraska
July, 1984 Sampling by FIT*
(ppb)

alpha - BHC		delta - BHC	
AQ1833†	7400	AQ1833†	71,000
AQ1835	1600#	AQ1828	470
AQ1801	140	AQ1807	310
AQ1828	100	AQ1816	260
AQ1818	62.0	AQ1810	190
AQ1829	18.0#	AQ1809	160
AQ1802	3.5#	AQ1826	160
AQ1823	3.3	AQ1827	140
		AQ1812	70.0
		AQ1829	32.0
		AQ1803	28.0
		AQ1811	19.0
		AQ1823	9.90
		AQ1802	7.10#
beta - BHC		aldrin	
AQ1833†	79,000	AQ1806	2,300
AQ1835	12,000	AQ1807	1,500
AQ1815	1,400	AQ1828	380
AQ1832	1,100	AQ1816	310
AQ1819	840	AQ1810	170
AQ1820	700	AQ1809	130
AQ1821	400	AQ1829	84.0
AQ1834	140	AQ1812	30.0
AQ1818	130	AQ1811	22.0
AQ1826	78.0	AQ1823	16.0
		AQ1803	6.0
		AQ1822	5.00
gamma-BHC (Lindane)		endosulfan I	
AQ1800†	201,500	AQ1833†	620,000
AQ1833†	65,000	AQ1837	2,900
AQ1832	6,700		
AQ1835	6,700#		
AQ1803	1,100		
AQ1815	940		
AQ1819	420		
AQ1837	390		
AQ1820	380		
AQ8121	200		
AQ1818	86.0		
AQ1834	76.0#		

3009L3

Table 6.1A (cont.)
Pesticides
Soil Samples†

<u>dieldrin</u>		<u>heptachlor epoxide</u>	
AQ1833†	2,200,000 (0.22%)	AQ1802	14.0
AQ1823	35.0	AQ1811	9.70#
AQ1802	23.0		
<u>4,4' - DDE</u>		<u>endrin aldehyde</u>	
AQ1833†	1,900,000 (0.19%)	AQ1823	60.0
<u>endrin</u>		<u>endosulfan sulfate</u>	
AQ1833†	2,100,000 (0.21%)	AQ1828	150
AQ1837	3,200	AQ1823	110
AQ1811	45.0	AQ1811	39.0
AQ1823	31.0	AQ1829	30.0#
AQ1802	16.0	AQ1822	6.00
<u>endosulfan II</u>		<u>4,4' - DDT</u>	
AQ1833†	3,100,000 (0.31%)	AQ1837	8,600
AQ1837	2,300	AQ1805	240
AQ1816	42.0	AQ1816	160
AQ1802	39.0	AQ1823	110
AQ1823	26.0	AQ1828	110
AQ1828	20.0	AQ1802	78.0
AQ1811	9.30#	AQ1822	5.00
<u>toxaphene</u>		<u>4,4'-DDD</u>	
AQ1800†	1.18x10 ⁷ (1.18%)	AQ1833†	2,100,000 (0.21%)
AQ1835	1,400,000 (.14%)	AQ1800†	325,000
AQ1832	230,000	AQ1837	2,100
AQ1836	67,000	AQ1802	30.0
AQ1819	66,000	AQ1816	27.0
AQ1806	37,000	AQ1823	22.0
AQ1815	36,000	AQ1828	17.0#
AQ1834	30,000	AQ1811	7.10#
AQ1821	27,000		
AQ1826	23,000	<u>aroachlor-1232 (PCB)</u>	
AQ1818	15,000	AQ1813	28,000
AQ1820	15,000	<u>heptachlor</u>	
AQ1831	15,000	AQ1835	4,600#
AQ1813	14,000	AQ1836	1,200
AQ1827	14,000	AQ1832	480
AQ1825	13,000	AQ1815	300
AQ1801	8,600	AQ1810	160
AQ1807	2,400	AQ1821	140
AQ1804	1,500	AQ1834	120
AQ1810	1,500	AQ1826	39.0
AQ1803	1,100	AQ1818	28.0
AQ1812	240		

3009L4

Table 6.1B
Pesticides
Soil Samples
Capitol Oil Site
Omaha, Nebraska
July, 1984 Sampling by FIT*
(ppb)

<u>alpha - BHC</u>		<u>gamma-BHC (Lindane)</u>	
AQ1311	600	AQ1304	430
AQ1321	470	AQ1302	300#
		AQ1318	260
		AQ1305	180
		AQ1303	160
		AQ1320	4.20
<u>beta - BHC</u>		<u>aldrin</u>	
AQ1311	1,900	AQ1311	1,400
AQ1318	500	AQ1321	680
AQ1305	290	AQ1308	630
AQ1312	260	AQ1304	400
AQ1313	250	AQ1303	300
AQ1315	140	AQ1302	240#
<u>delta - BHC</u>		AQ1312	230
AQ1311	1,100	AQ1305	220
AQ1300	700	AQ1313	160
AQ1308	310	AQ1306	15.0
AQ1312	160	AQ1307	7.00#
AQ1313	160	<u>heptachlor epoxide</u>	
AQ1315	130	AQ1304	850
AQ1321	110	AQ1302	670
AQ1307	46.0	AQ1305	250
AQ8306	15.0	<u>endosulfan I</u>	
AQ1320	9.70	AQ1302	1,600
<u>heptachlor</u>		AQ1300	740
AQ1302	1,600	<u>endrin</u>	
AQ1300	740	AQ1311	2,400
<u>endosulfan I</u>		AQ1300	1,400
AQ1311	1,300	AQ1304	1,000
AQ1305	340	AQ1305	600
AQ1320	2.80	AQ1317	320
		AQ1320	7.80
		AQ1307	4.00#

300915

Table 6.1B (cont.)
Pesticides
Soil Samples

dielldrln		endosulfan II	
AQ1311	2,700	AQ1311	2,000
AQ1300	1,400	AQ1300	940
AQ1304	1,300	AQ1304	900
AQ1305	800	AQ1305	550
AQ1302	770	AQ1302	350#
AQ1312	500	AQ1308	94.0
AQ1303	370	AQ1321	36.0
AQ1313	300		
4,4' - DDE		4,4' - DDD	
AQ1311	1,600	AQ1311	1,600
AQ1300	1,300	AQ1300	800
AQ1312	600	AQ1313	770
AQ1305	420	AQ1304	580
AQ1313	380	AQ1305	450
		AQ1302	300#
		AQ1308	77.0
		AQ1321	32.0
4,4' - DDT		endosulfan sulfate	
AQ1304	2,000	AQ1311	300
AQ1305	1,400	AQ1307	23.0
AQ1303	290	AQ1321	16.0
AQ1306	100		
AQ1321	99.0	toxaphene	
AQ1320	6.90	AQ1318	7,500
		arochlor 1260 (PCB)	
		AQ13001	4,100

* All sample values are approximate due to time elapsed between sampling and analysis.

Value is above the detection limit, but below the quantification limit.

NOTE: Values not shown are below the detection limit. See Appendix 5.

300916

- † Samples AQ1800 and AQ1833 were actually of an oily matrix, but are included here for comparison purposes.
- * All samples values are approximate due to time elapsed between sampling and analysis.
- # Value is above the detection limit, but below the quantification limit.

NOTE: Values not shown are below the detection limit. See Appendix 5.

300917

Table 6.2A
 Volatile Compounds
 Soil Samples
 Economy Products Site
 Omaha, Nebraska
 July, 1984 Sampling by FIT
 (ppb)

<u>1,1,1-trichloroethane</u>		<u>methylene chloridett</u>	
AQ1810	14	AQ1833	12,000
AQ1837	10	AQ1821	1,700
AQ1801	5.3	AQ1820	810
		AQ1815	430
<u>1,1-dichloroethane</u>		AQ1807	220
AQ1810	9	AQ1802	140
AQ1811	7	AQ1809	66
		AQ1810	66
<u>chloroform</u>		AQ1837	44
AQ1833†	2,200	AQ1806	38
		AQ1811	15
<u>ethylbenzene</u>		AQ1835	12
AQ1833†	28,000	AQ1813	11
<u>trichloroethene</u>		<u>toluene</u>	
AQ1837	5	AQ1833†	3,000
<u>tetrachloroethene</u>		<u>2-butanone@</u>	
AQ1837	23	AQ1833†	18,000
		AQ1821	16,000
<u>o-xylene@</u>			
AQ1833†	434,000		
AQ1835	65		

† Sample AQ1833 is of an oily matrix, but is included here for comparison purposes.

Value is above the detection limit, but below the quantification limit.

†† Samples with methylene chloride concentration below 10ppb are not shown here. See Appendix 5.

@ HSL volatile compound

NOTE: Values not shown are below the detection limit. See Appendix 5.

Table 6.2B
 Volatile Compounds
 Soil Samples
 Capitol Oil Site
 Omaha, Nebraska
 July, 1984 Sampling by FIT
 (ppb)

<u>1,1,1-trichloroethane</u>		<u>methylene chloridett</u>	
AQ1303	1,400	AQ1301	13,000
AQ1302	500	AQ1304	1,200
AQ1304	400	AQ1302	1,100
AQ1301	76	AQ1321	33
		AQ1320	18
<u>1,1-dichloroethane</u>		<u>tetrachloroethene</u>	
AQ1301	240	AQ1304	390
AQ1303	240		
AQ1302	160	<u>trichloroethene</u>	
AQ1304	76	AQ1300	2.7#
<u>1,1-dichloroethylene</u>		<u>acetone@</u>	
AQ1304	160	AQ1301	860
<u>chloroform</u>		<u>o-xylene@</u>	
AQ1317	25	AQ1302	200
<u>trans-1,2-dichloroethene</u>		<u>4-methyl-2-pentanone@</u>	
AQ1302	420	AQ1800	10#

Value is above the detection limit, but below the quantification limit.

†† Samples with methylene chloride concentration below 10ppb are not shown here. See Appendix 5.

@ HSL volatile compound

NOTE: Values not shown are below the detection limit. See Appendix 5.

300918

Table 6.3A
Semivolatile Compounds
Soil Samples
Economy Products Site
Omaha, Nebraska
July, 1984 Sampling by FIT
(ppb)

<u>napthalene</u>		<u>dibenzofuran</u>	
AQ1806	1,700	AQ1828	710
AQ1828	430	AQ1806	640#
AQ1802	200#	AQ1829	430
<u>2-methylnaphthalene</u>		<u>fluorene</u>	
AQ1809	5,800	AQ1828	1,400
AQ1828	430	AQ1829	690
AQ1802	110#	AQ1802	200#
AQ1829	100#		
<u>acenaphthylene</u>		<u>phenanthrene</u>	
AQ1828	1,100	AQ1835	41,000#
AQ1829	160#	AQ1828	10,000
<u>acenaphthene</u>		AQ1806	4,800
AQ1828	1,200	AQ1829	4,000
AQ1829	580	AQ1812	3,700
AQ1802	180#	AQ1802	2,300
<u>anthracene</u>		AQ1827	2,300
AQ1809	2,000	AQ1826	1,300
		AQ1803	910
		AQ1804	89.0#
<u>fluoranthene</u>		<u>di-n-butyl phthalate</u>	
AQ1835	37,000#	AQ1820	14,000#
AQ1819	13,000#	AQ1829	270#
AQ1828	8,500	AQ1802	160#
AQ1806	5,600		
AQ1829	4,000		
AQ1827	3,200		
AQ1802	3,000		
AQ1812	3,000		
AQ1826	1,900		
AQ1803	1,400		
AQ1804	210#		

300930

Table 6.3A (cont.)
Semivolatile Compounds
Soil Samples

benzo (a) pyrene		pyrene	
AQ1802	13,000	AQ1837	61,000#
AQ1829	2,800	AQ1801	44,000
AQ1827	1,700	AQ1835	19,000#
AQ1803	1,600	AQ1802	4,500
AQ1806	1,500	AQ1816	2,600
AQ1812	1,500#	AQ1834	2,500#
		AQ1806	1,800
		AQ1812	1,200#
		AQ1809	1,100#
		AQ1829	1,000
		AQ1803	980
		AQ1826	920#
		AQ1827	850#
		AQ1804	76.0#
		AQ1818	72.0#
		di-n-octyl phthalate	
		AQ1802	2,500
		AQ1817	86.0#
benzo (a) anthracene		benzo (b) fluoranthene	
AQ1835	23,000#	AQ1828	11,000
AQ1812	3,700	AQ1802	7,300
AQ1829	1,800	AQ1829	2,400
AQ1806	1,600	AQ1803	530
AQ1802	1,500		
AQ1827	1,500#	benzo (k) fluoranthene	
AQ1826	1,200#	AQ1812	760#
AQ1803	710	AQ1827	170#
chrysene			
AQ1812	2,200		
AQ1802	1,700		
AQ1827	1,400#		
AQ1829	1,300		
AQ1806	1,200#		
AQ1809	1,100#		
AQ1826	1,100#		
AQ1803	400		
AQ1804	160#		
bis(2-ethylhexyl) phthalate			
AQ1831	33,000		
AQ1801	10,000#		
AQ1806	2,200		
AQ1812	1,300#		
AQ1817	1,000		
AQ1822	830		
AQ1818	700		
AQ1802	690		
AQ1827	500#		
AQ1803	450		
AQ1829	400		
AQ1804	350		

* All samples values are approximate due to time elapsed between sampling and analysis.

Value is above the detection limit, but below the quantification limit.

NOTE: Values not shown are below the detection limit. See Appendix 5.

Table 6.3B
Semivolatile Compounds
Soil Samples
Capitol Oil Site
Omaha, Nebraska
July, 1984 Sampling by FIT*
(ppb)

<u>naphthalene</u>		<u>phenanthrene</u>	
AQ1314	45,000	AQ1314	82,000
		AQ1308	18,000
<u>2-methylnaphthalene</u>		AQ1300	5,400#
AQ1314	32,000	AQ1321	340
<u>acenaphthene</u>		<u>fluoranthene</u>	
AQ1314	26,000	AQ1314	39,000
AQ1308	1,100#	AQ1308	3,900
		AQ1306	710#
<u>dibenzofuran</u>		AQ1321	610
AQ1314	21,000		
AQ1308	320#	<u>pyrene</u>	
		AQ1314	37,000
<u>fluorene</u>		AQ1303	17,000#
AQ1308	820#	AQ1310	7,800#
		AQ1300	5,900#
<u>benzo (a) anthracene</u>		AQ1302	5,000#
AQ1308	1,500#	AQ1308	4,500
AQ1321	310#	AQ1321	520
<u>bis(2-ethylhexyl) phthalate</u>		<u>chrysene</u>	
AQ1307	1,000#	AQ1321	280#
AQ1320	550		

Value is above the detection limit, but below the quantification limit.

* Approximate value.

NOTE: Values not shown are below the detection limit. See Appendix 5.

300822

Table 6.4A
 METALS
 SOIL SAMPLES
 Economy Products Site
 Omaha, Nebraska
 July 1985
 Sampling by FIT

ppm	Aluminum	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper
AQ1801	2,500	8	45	1.2	13	3.5	16
AQ1802	2,800	10	110	1.7	42	5	36
AQ1803	2,000	14	64	1.3	6.3	2.9	16
AQ1804	1,100	22	24	.79	5.1	--	10
AQ1805	1,300	18	37	.57	5.2	--	10
AQ1806	2,100	18	77	.75	9.7	--	--
AQ1807	2,100	14	77	5.5	6.2	--	38
AQ1808	2,800	6.5	110	.6	6.9	--	110
AQ1809	6,900	10	190	1.5	11	9.1	23
AQ1810	1,400	9	80	2.4	5.3	3.9	46
AQ1811	4,200	27	220	2.1	13	--	67
AQ1812	2,100	6.5	92	.06	5.6	--	29
AQ1813	1,200	18	79	.7	8.4	--	29
AQ1814	3,800	9.5	90	.75	7.4	--	35
AQ1815	3,700	5	74	--	5.5	--	--
AQ1816	2,100	18	120	4.3	9.9	6.6	33
AQ1817	6,500	7.8	200	1.6	11	8.4	15
AQ1818	6,000	6.5	300	1.1	10	10	14
AQ1819	1,100	10	220	1.5	13	4.8	190
AQ1820	2,900	5	98	1.8	8.1	6.2	58
AQ1821	4,000	5	110	--	9.5	--	58
AQ1822	8,200	13	190	1.4	10	8.7	12
AQ1823	1,300	25	54	.2	3.6	3.6	7
AQ1824	8,300	8.5	220	1.0	12	8.5	19
AQ1825	3,100	20	90	6.0	12	--	41
AQ1826	4,900	32	160	3.0	14	--	35
AQ1827	3,000	20	180	2.6	14	4.8	52
AQ1828	4,100	16	200	1.9	9.3	--	76
AQ1829	3,700	10	150	1.2	7.1	5	21
AQ1831	1,900	37	32	1.4	8.3	3.3	12
AQ1832	2,400	7.6	55	.91	9.5	3.4	17
AQ1833*	410	3	16	.8	4.8	--	9.7
AQ1834	6,400	14	95	1.8	55	--	--
AQ1835	4,500	5	100	1.0	68	--	--
AQ1836	5,800	13	300	6.1	23	--	53
AQ1837	1,700	32	110	12.0	42	--	3,700

*Oil, rather than soil.

Note: See Figure 2.3 for locations.
 Values not shown are below the detection limit.

Table 6.4A (Cont.)

3009.23

METALS
SOIL SAMPLES
Economy Products Site
Omaha, Nebraska
July 1984
Sampling by FIT

ppm	Iron	Lead	Manganese	Mercury	Nickel	Zinc	Selenium
AQ1801	5,800	150	170	—	11	100	—
AQ1802	8,200	470	210	.17	9.7	230	—
AQ1803	6,600	170	200	.11	7	110	—
AQ1804	4,700	52	190	—	4.7	31	—
AQ1805	4,400	95	150	—	5.7	62	—
AQ1806	45,000	430	140	.14	23	300	4.5
AQ1807	21,000	130	53	.22	22	270	1.8
AQ1808	22,000	160	160	.36	—	150	3.1
AQ1809	18,000	25	180	.13	19	95	2.6
AQ1810	11,000	300	130	.16	11	320	1.5
AQ1811	24,000	570	310	.6	—	620	48
AQ1812	9,000	180	160	.18	—	180	—
AQ1813	14,000	140	51	.22	—	250	—
AQ1814	9,700	240	220	.34	—	380	—
AQ1815	6,100	82	230	.17	—	150	—
AQ1816	17,000	280	160	.21	18	390	7.5
AQ1817	15,000	12	1,200	—	26	68	—
AQ1818	16,000	28	1,600	—	22	70	—
AQ1819	9,700	650	190	.11	7.2	3,000	—
AQ1820	19,000	270	250	.16	10	800	1.4
AQ1821	32,000	120	240	.12	—	380	1.9
AQ1822	15,000	15	600	—	16	44	—
AQ1823	5,500	21	140	—	14	53	—
AQ1824	16,000	36	560	—	18	58	—
AQ1825	14,000	460	300	.1	20	550	—
AQ1826	14,000	930	370	.2	—	750	—
AQ1827	9,300	1,800	240	.4	15	360	—
AQ1828	17,000	370	300	.55	—	530	—
AQ1829	9,300	120	170	.4	9.4	66	—
AQ1831	6,100	160	160	—	9.2	140	—
AQ1832	6,200	270	190	.26	11	150	—
AQ1833*	1,100	170	78	—	4.1	72	—
AQ1834	6,400	240	150	.16	—	170	3.2
AQ1835	6,700	370	160	.13	—	280	1.2
AQ1836	18,000	1,600	410	.34	—	450	—
AQ1837	16,000	4,600	130	.12	47	1,400	—

*Oil, rather than soil.

Note: See Figure 2.3 for locations.
Values not shown are below the detection limit.

300924

Table 6.4A (Cont.)

METALS
SOIL SAMPLES

Economy Products Site
Omaha, Nebraska
July 1985
Sampling by FIT
(ppm)

Antimony		Beryllium		Vanadium		Silver	
AQ1806	2.1	AQ1802	.3	AQ1801	11	AQ1802	.57
AQ1811	1.8	AQ1808	2.5	AQ1809	12	AQ1803	.52
AQ1813	3.6	AQ1809	.61	AQ1816	7.5	AQ1810	1.2
AQ1814	1.1	AQ1815	2.5	AQ1817	16	AQ1819	.64
AQ1816	1.2	AQ1816	.39	AQ1818	16		
AQ1819	1.3	AQ1817	.45	AQ1820	12		
AQ1820	1.2	AQ1818	.4	AQ1822	17		
AQ1827	1.1	AQ1820	.33	AQ1823	26		
AQ1833*	4.2	AQ1822	.47	AQ1824	18		
AQ1834	3.5	AQ1824	.6	AQ1827	11		
AQ1837	3.9	AQ1827	.4	AQ1829	11		
		AQ1829	.35				

*Sample AQ1833 is an oily matrix sample but is included here for comparison purposes.

Note: Sample values not shown are below the detection limit. See Appendix 5.

300925

Table 6.4B

METALS

SOIL SAMPLES

Capital Oil Site
Omaha, Nebraska
July 1985
Sampling by FIT

ppm	Aluminum	Arsenic	Barium	Cadmium	Chromium	Cobalt	Copper
AQ1300	5,500	11	160	2.3	57	--	110
AQ1301	3,600	30	170	8.9	21	--	37
AQ1302	4,100	24	130	1.2	22	--	31
AQ1303	2,600	14	110	2	21	--	--
AQ1304	1,400	9	85	2.8	12	2.5	34
AQ1305	530	3.6	64	.89	4.6	--	8.5
AQ1306	2,400	11	87	1.4	5.1	4	24
AQ1307	5,000	11	95	5.2	10	--	28
AQ1308	3,700	19	120	6.4	12	--	40
AQ1309	4,000	22	170	1.4	11	--	45
AQ1310	3,400	9	170	.05	9.4	--	40
AQ1311	5,700	9.5	200	5.3	31	--	54
AQ1312	4,000	9	130	.085	12	--	33
AQ1313	4,100	7	150	.8	24	--	30
AQ1314	4,400	10	140	1.9	8.9	6.8	120
AQ1315	3,500	5.5	100	1.8	6.8	5.7	81
AQ1316	3,700	7	130	1.1	7.2	5.7	25
AQ1317	1,500	4	31	1	7.4	2.6	9
AQ1318	2,000	3.2	19	.63	7.2	--	6.2
AQ1320	7,200	10	120	1.2	9.8	8.4	15
AQ1321	7,100	7	140	.84	9.5	7.2	11

Note: See Figure 2.3 for sample locations.
Values not shown are below the detection limit.

300326

Table 6.4B (Cont.)

METALS
SOIL SAMPLES

Capitol Oil Site
Omaha, Nebraska
July 1985
Sampling by FIT

ppm	Iron	Lead	Manganese	Mercury	Nickel	Zinc	Selenium
AQ1300	15,000	990	320	.22	26	860	--
AQ1301	18,000	2,200	210	.15	--	1,600	1.5
AQ1302	14,000	1,100	210	--	--	470	1.5
AQ1303	8,400	680	190	.2	--	310	2.5
AQ1304	4,500	900	42	.18	5.1	530	1
AQ1305	1,700	350	20	--	2.6	190	2
AQ1306	8,600	240	180	.18	11	210	1.5
AQ1307	12,000	210	220	.9	--	240	2
AQ1308	26,000	250	260	--	--	510	--
AQ1309	21,000	320	360	.23	--	370	--
AQ1310	12,000	150	330	.41	--	290	--
AQ1311	17,000	240	310	.26	--	340	--
AQ1312	17,000	340	200	.16	--	210	2
AQ1313	18,000	220	180	.18	--	330	3.5
AQ1314	14,000	340	190	.34	15	410	1
AQ1315	12,000	200	140	.22	17	200	1
AQ1316	10,000	100	130	.17	11	110	3.2
AQ1317	5,100	100	220	--	6.9	64	2.5
AQ1318	5,200	79	190	--	8.1	49	1
AQ1320	17,000	14	370	--	16	47	--
AQ1321	12,000	21	340	--	14	46	--

Note: See Figure 2.3 for sample locations.
Values not shown are below the detection limit.

300927

Table 6.4B (Cont.)

METALS
SOIL SAMPLES

Capitol Oil Site
Omaha, Nebraska
July 1985
Sampling by FIT
(ppm)

Antimony		Beryllium		Vanadium		Silver	
AQ1300	2.9	AQ1306	.44	AQ1306	13	AQ1304	.58
AQ1301	3.6	AQ1314	.42	AQ1314	14	AQ1314	.87
AQ1302	1.6	AQ1315	.35	AQ1315	13		
AQ1303	1.6	AQ1316	.32	AQ1316	12		
AQ1304	3.2	AQ1320	.56	AQ1320	11		
AQ1305	2.4	AQ1321	.47	AQ1321	14		
AQ1307	1.9						
AQ1308	1.8						

Note: See Figure 2.3 for sample locations.
Values not shown are below the detection limits.

APPENDIX 7

SELECTED ANALYTICAL DATA
(By Location)

PART I ECONOMY PRODUCTS SITE

PART II CAPITOL OIL SITE

L E G E N D

APPENDIX 7

PART I
ECONOMY PRODUCTS SITE
SELECTED ANALYTICAL DATA
-- (By Location)

AQ1800 Series Samples

* = Approximate value

U = Undetected (detection limit given in Appendix 5)

= Value is above the detection limit, but below the quantification limit

Note: Sample locations are shown on Figure 2.3. Values not shown are below the detection limit (see Appendix 5). Methylene chloride values below 10 ppb are not included in this table. The position or rank of the sample value within this sample suite (AQ1800 series) is given. Soil samples are ranked separately from the oily matrix samples, AQ1800 and AQ1833. The oily matrix results are compared to the soil sample results and are generally the highest values found.

300930

SAMPLE AQ1800

Location: Collected from basement area of southwest portion of the Economy Products building (not shown on Figure 2,3).

Description: Reported below are the results for the oily phase of this sample.

Compound	ppb	Rank Within Suite
PESTICIDES		
Gamma BHC	201,500	Highest value
4,4'-DDD	325,000	2nd highest
Toxaphene	1.18×10^7	Highest value
SELECTED METALS (ppm):		
Aluminum		2,330
Arsenic		109
Barium		2,820
Cadmium		21
Cobalt		9
Chromium		184
Copper		375
Iron		14,900
Manganese		271
Molybdenum		30
Nickel		59
Lead		15,700
Antimony		140
Titanium		110
Vanadium		83
Zinc		4,350
Calcium		26
Magnesium		4
Mercury		7.6
Cyanide		31

SAMPLE AQ1801

Location on Figure 2.3: C,12

Description: Sediment sample, 0 to 2 inches deep, collected as 6 aliquots along a 50 feet long segment at the east side of 12th Street (alley) behind the city property that is located just south of Economy Products. Contained some asphaltic materials.

Compound	ppb	Rank Within Suite
PESTICIDES		
Alpha-BHC Toxaphene	140* 8,600*	2nd of 7 17th of 21
TENTATIVELY IDENTIFIED EXTRACTABLES—GC/MS		
Propyltridecane Dimethylphenanthrene Trimethylphenanthrene *** 13 other peaks - unidentified compounds ***	65,000* 13,000* 7,900*	— — —
VOLATILES		
1,1,1-trichloroethane	(5.3)	3rd of 3
SEMIVOLATILES		
Pyrene Bis (2-ethylhexyl) phthalate	44,000 10,000	2nd of 15 2nd of 12
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Ethylcyclobutane Methylcyclohexane 2,3-dimethylpentane *** Three other peaks - unidentified compounds ***	2.7* 2.0* 1.6*	— — —
SELECTED METALS (ppm)		
Lead Mercury Chromium		150 U 15

SAMPLE AQ1802

Location on Figure 2.3: A,1

Description: Soil sample, 0 to 4 inches deep, collected as 4 aliquots along the grassed parkway (approximately 30 feet long) at the intersection of 11th and Nicholas Streets.

Compound	ppb	Rank Within Suite
PESTICIDES		
Alpha-BHC	5.5#	6th of 7
Delta-BHC	7.1#	13th of 13
Heptachlor epoxide	14.0*	1st of 2
Dieldrin	23.0#	2nd of 2
Endrin	16.0*	4th of 4
Endosulfan II	39.0*	3rd of 6
4,4'-DDD	30.0	2nd of 6
4,4'-DDT	78.0	6th of 7
TENTATIVELY IDENTIFIED EXTRACTABLES—GC/MS		
Methylphenanthrene Hexadecanoic acid Benzo(a)fluorene	— — —	— — —
*** 10 other peaks - unidentified compounds ***		
VOLATILES		
Methylene chloride	140	5th of 12
SEMIVOLATILES		
Naphthalene	200#	3rd of 3
2-methylnaphthalene	110#	3rd of 4
Acenaphthene	180#	3rd of 3
Fluorene	200#	3rd of 3
Phenanthrene	2,300#	6th of 10
Di-n-butyl phthalate	160#	3rd of 3
Fluoranthene	3,000**	7th of 11
Benzo(a)pyrene	13,000*	1st of 6
Pyrene	4,500*	4th of 15
Benzo(a)anthracene	1,500*	5th of 8
Bis(2-ethylhexyl)phthalate	690#	8th of 12
Chrysene	1,700*	2nd of 9
Benzo(b)fluoranthene	7,300*	2nd of 4
Di-n-octyl phthalate	2,500*	1st of 2
SELECTED METALS (ppm)		
Lead		470
Mercury		.17
Chromium		42

300933

SAMPLE AQ1803

Location on Figure 2.3: West of OHARCO building, most northern sample collected along the fence line.

Description: Soil sample, 0 to 4 inches deep, collected as 5 aliquots along a 100 feet long segment in the gravelled lot west of the OHARCO building and 10 feet from the fence.

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC	28*	10th of 13
Gamma-BHC	1,100*	3rd of 10
Aldrin	6*	11th of 12
Toxaphene	1,100*	20th of 21
OTHER EXTRACTABLES—GC/MS		
*** Six unidentified compounds ***		
SEMIVOLATILES		
Phenanthrene	910*	9th of 10
Fluoranthene	1,400*	10th of 11
Benzo(a)pyrene	1,600*	4th of 6
Pyrene	980*	11th of 15
Benzo(a)anthracene	710*	8th of 8
Bis(2-ethylhexyl)phthalate	450*	10th of 12
Chrysene	400*	8th of 9
Benzo(b)fluoranthene	530*	4th of 4
SELECTED METALS (ppm)		
Lead		170
Mercury		.11
Chromium		6.3

SAMPLE AQ1804

Location on Figure 2.3: West of OHARCO building, just south of Sample AQ1803.

Description: Soil sample, 0 to 4 inches deep, collected as 5 aliquots along a 100 feet long segment in the gravelled lot west of OHARCO and 10 feet from the fence.

Compound	ppb	Rank Within Suite
PESTICIDES		
Toxaphene	1,500*	18th of 21
SEMIVOLATILES		
Phenanthrene	89#	10th of 10
Fluoranthene	210#	11th of 11
Pyrene	76#	14th of 15
Bis(2-ethylhexyl)phthalate	350*	12th of 12
Chrysene	160#	9th of 9
SELECTED METALS (ppm)		
Lead		52
Mercury		U
Chromium		5.1

SAMPLE AQ1805

Location on Figure 2.3: Southwest corner of OHARCO building.

Description: Soil sample, 0 to 4 inches deep, collected as 5 aliquots along a 100 feet long segment in the gravelled lot southwest of OHARCO's buildings. Collected mainly from a recently oiled area.

Compound	ppb	Rank Within Suite
PESTICIDES		
4,4'-DDT	240*	2nd of 7
OTHER EXTRACTABLES--GC/MS		
*** Eleven unidentified compounds ***		
SELECTED METALS (ppm)		
Lead Mercury Chromium		95 U 5.2

Location on Figure 2.3: G,11

Description: Soil sample, 0 to 1 feet deep, discrete sample, deep boring site, not covered with gravel at time of sampling. Collected from abandoned Union Pacific RR right-of-way near the 12th Street alley.

Compound	ppb	Rank Within Suite
PESTICIDES		
Aldrin Toxaphene	2,300* 37,000*	1st of 12 5th of 21
TENTATIVELY IDENTIFIED EXTRACTABLES—GC/MS		
Nonane	4,800*	---
Decane	8,000*	---
Ethylmethylbenzene	3,100*	---
Methylpropylbenzene	3,500*	---
Methyl(methylethyl)benzene	2,400*	---
Undecane	6,100*	---
Tetramethylbenzene	1,400*	---
Methylnonane	1,900*	---
Methylnaphthalene	2,300*	---
Dimethylnaphthalene	4,400*	---
Trimethylnaphthalene	2,700*	---
*** Eight other peaks—unidentified compounds ***		
VOLATILES		
Methylene chloride	38	9th of 12
SEMIVOLATILES		
Naphthalene	1,700*	1st of 3
Dibenzofuran	640#	2nd of 3
Phenanthrene	4,800*	3rd of 10
Fluoranthene	5,600*	4th of 11
Benzo(a)pyrene	1,500*	5th of 6
Pyrene	1,800*	7th of 15
Benzo(a)anthracene	1,600*	4th of 8
Bis(2-ethylhexyl)phthalate	2,200*	3rd of 12
Chrysene	1,200#	5th of 9
OTHER VOLATILES—GC/MS		
*** Four unidentified compounds ***		
SELECTED METALS (ppm)		
Lead		430
Mercury		.14
Chromium		9.7

SAMPLE AQ1807

Location on Figure 2.3: G,11

Description: Soil sample, 1 to 2 feet deep, discrete sample, deep boring site near the 12th Street alley within the abandoned RR right-of-way immediately south of Economy Products.

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC Aldrin Toxaphene	310* 1,500* 2,400*	2nd of 13 2nd of 12 17th of 21
OTHER EXTRACTABLES—GC/MS		
*** Five unidentified compounds ***		
VOLATILES		
Methylene chloride	220	4th of 12
OTHER VOLATILES—GC/MS		
*** Three unidentified compounds ***		
SELECTED METALS (ppm)		
Lead Mercury Chromium		130 .22 6.2

300938

SAMPLE AQ1808

Location on Figure 2.3: G,11

Description: Soil sample, 2 to 3 feet deep, discrete sample, deep boring site near the 12th Street alley within the abandoned RR right-of-way

Compound	ppb	Rank Within Suite
No organic priority pollutants detected.		
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Dichlorodifluoromethane	1,200*	—
SELECTED METALS (ppm)		
Lead		160
Mercury		.36
Chromium		6.9

300939

SAMPLE AQ1809

Location on Figure 2.3: G,11

Description: Soil sample, 3 to 4 feet deep, discrete boring location near the 12th Street alley within the RR right-of-way.

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC Ailin	160* 130*	5th of 13 6th of 12
TENTATIVELY IDENTIFIED/ EXTRACTABLES—GC/MS		
Trimethylnaphthalene *** Seventeen other peaks—unidentified compounds ***	14,000*	—
VOLATILES		
Methylene chloride	66	6th of 12
SEMIVOLATILES		
2-methylnaphthalene Anthracene Pyrene Chrysene	5,800* 2,000* 1,100# 1,100#	1st of 4 Only positive 9th of 15 6th of 9
SELECTED METALS (ppm)		
Lead Mercury Chromium		25 .13 11

300940

SAMPLE AQ1810

Location on Figure 2.3: K,8

Description: Soil sample, 1 to 2 feet deep, covered with gravel, discrete boring location located in backlot of Economy Products approximately 90 feet from the (EP) building and parallel to the north edge of the (EP) building.

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC	190*	4th of 13
Heptachlor	160*	5th of 9
Aldrin	170*	5th of 12
Toxaphene	1,500*	19th of 21
VOLATILES		
1,1,1-trichloroethane	14	1st of 3
1,1-dichloroethane	9	1st of 2
Methylene chloride	66	7th of 12
SELECTED METALS (ppm)		
Lead		300
Mercury		.16
Chromium		5.3

30094i

SAMPLE AQ1811

Location on Figure 2.3: K,8

Description: Soil sample, 2 to 3 feet deep, discrete boring along a line between Economy Products and Capitol Oil.

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC	19.0*	10th of 13
Heptachlor epoxide	9.7#	2nd of 2
Aldrin	22.0	9th of 12
Endrin	45.0	2nd of 4
Endosulfan II	9.3#	6th of 6
4,4'-DDD	7.1#	6th of 6
Endosulfan sulfate	39.0*	3rd of 5
VOLATILES		
1,1-dichloroethane	7	2nd of 2
Methylene chloride	15	10th of 12
SELECTED METALS (ppm)		
Lead		570
Mercury		.6
Chromium		13

300942

SAMPLE AQ1812

Location on Figure 2.3: K,8

Description: Soil sample, 3 to 4 feet deep, discrete soil boring.

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC Aldrin Toxaphene	70* 30* 240*	8th of 13 8th of 12 21st of 21
OTHER EXTRACTABLES--GC/MS		
*** One unidentified compound ***		
SEMIVOLATILES		
Phenanthrene Fluoranthene Benzo(a)pyrene Pyrene Benzo(a)anthracene Bis(2-ethylhexyl)phthalate Chrysene Benzo(k)fluoranthene	3,700* 3,000* 1,500* 1,200* 3,700* 1,300* 2,200* 760*	5th of 10 8th of 11 6th of 6 8th of 15 2nd of 8 4th of 12 1st of 9 1st of 2
OTHER VOLATILES--GC/MS		
*** One unidentified compound ***		
SELECTED METALS (ppm)		
Lead Mercury Chromium		180 .18 5.6

300943

SAMPLE AQ1813

Location on Figure 2.3: K,5

Description: Soil sample, 1 to 2 feet deep, discrete soil boring near northwest corner of Economy Products building.

Compound	ppb	Rank Within Suite
PESTICIDES		
Toxaphene	14,000*	12th of 21
VOLATILES		
Methylene chloride	11	12th of 12
PCB		
Aroclor-1232	28,000*	Only positive
SELECTED METALS (ppm)		
Lead		140
Mercury		.22
Chromium		8.4

300944

SAMPLE AQ1814

Location on Figure 2.3: K,5

Description: Soil sample, 2 to 3 feet deep, discrete soil boring near northwest corner of Economy Products building.

Compound	ppb	Rank Within Suite
No organic contamination was identified.		
EXTRACTABLES—GC/MS		
*** Nine unidentified compounds ***		
SELECTED METALS (ppm)		
Lead		240
Mercury		.34
Chromium		7.4

300945

SAMPLE AQ1815

Location on Figure 2.3: K,5

Description: Soil sample, 3.5 to 5.9 feet deep, discrete soil boring near northwest corner of Economy Products building.

Compound	ppb	Rank Within Suite
PESTICIDES		
Beta-BHC	1,400*	2nd of 9
Gamma-BHC	940*	4th of 10
Heptachlor	300*	4th of 9
Toxaphene	36,000*	6th of 21
VOLATILES		
Methylene chloride	430	3rd of 12
TENTATIVELY IDENTIFIED VOLATILES--GC/MS		
Methylcyclohexane	110*	--
1,1,3-trimethylcyclohexane	125*	--
*** Two other peaks - unidentified compounds ***		
SELECTED METALS (ppm)		
Lead		82
Mercury		.17
Chromium		5.5

300946

SAMPLE AQ1816

Location on Figure 2.3: 1,6

Description: Soil sample, 1 to 2 feet deep, discrete soil boring, midpoint of Economy Products building, approximately 30 feet west of the building.

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC	260*	3rd of 13
Airin	310*	4th of 12
Endosulfan II	42*	2nd of 6
4,4'-DDD	27*	3rd of 6
4,4'-DDT	160*	3rd of 7
TENTATIVELY IDENTIFIED EXTRACTABLES--GC/MS		
Methylpyrene	440*	
*** Seventeen other peaks--unidentified compounds ***		
SEMIVOLATILES		
Pyrene	2,600*	5th of 15
OTHER VOLATILES--GC/MS		
*** Three unidentified compounds ***		
SELECTED METALS (ppm)		
Lead		280
Mercury		.21
Chromium		9.9

300947

SAMPLE AQ1817

Location on Figure 2.3: 1,6

Description: Soil sample, 2 to 3 feet deep, discrete soil sample behind Economy Products building.

Compound	ppb	Rank Within Suite
EXTRACTABLES--GC/MS		
*** Two unidentified compounds ***		
SEMIVOLATILES		
Bis(2-ethylhexyl)phthalate Di-n-octyl phthalate	1000* 86#	5th. of 12 2nd of 2
SELECTED METALS (ppm)		
Lead Mercury Chromium		12 U 11

300948

SAMPLE AQ1818

Location on Figure 2.3: 1,6

Description: Soil sample, 3 to 4 feet deep, discrete soil boring behind Economy Products building.

Compound	ppb	Rank Within Suite
PESTICIDES		
Alpha-BHC	62*	4th of 7
Beta-BHC	130*	8th of 9
Gamma-BHC	86*	9th of 10
Heptachlor	28*	9th of 9
Toxaphene	15,000*	10th of 21
SEMIVOLATILES		
Pyrene	72*	15th of 15
Bis(2-ethylhexyl)phthalate	700*	7th of 12
SELECTED METALS (ppm)		
Lead		28
Mercury		U
Chromium		10

300949

SAMPLE AQ1819

Location on Figure 2.3: G,3

Description: Soil sample, 1 to 2 feet deep, discrete soil boring near exterior tank of Economy Products.

Compound	ppb	Rank Within Suite
PESTICIDES		
Beta-BHC Gamma-BHC Toxaphene	840* 420* 66,000*	4th of 9 5th of 10 4th of 21
OTHER EXTRACTABLES—GC/MS		
*** Eleven unidentified compounds ***		
SEMIVOLATILES		
Fluoranthene	13,000*	2nd of 11
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Methylcyclopentane Methylcyclohexane 2-methylhexane 1,2,3-trimethylcyclopentane 1,2-dimethylcyclohexane 1,1,3-trimethylcyclohexane	1,100* 5,200* 420* 1,100* 2,000* 1,500*	— — — — — —
*** Five other peaks — unidentified compounds ***		
SELECTED METALS (ppm)		
Lead Mercury Chromium		650 .11 13

300950

SAMPLE AQ1820

Location on Figure 2.3: G,3

Description: Soil sample, 2 to 3 feet deep, discrete soil boring near the exterior tank of Economy Products.

Compound	ppb	Rank Within Suite
PESTICIDES		
Beta-BHC Gamma-BHC Toxaphene	700* 380* 15,000*	5th of 9 7th of 10 11th of 21
TENTATIVELY IDENTIFIED EXTRACTABLES—GC/MS		
Decahydronaphthalene *** Fifteen other peaks—unidentified compounds ***	—	—
VOLATILES		
Methylene chloride	810*	2nd of 12
SEMIVOLATILES		
Di-n-butyl phthalate	14,000*	1st of 3
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Cyclohexane Methylcyclohexane 1,3-dimethylcyclohexane 1,2-dimethylcyclohexane 1,1,3-trimethylcyclohexane *** Six other peaks - unidentified compounds ***	56* 630* 210* 120* 550*	— — — — —
SELECTED METALS (ppm)		
Lead Mercury Chromium		270 .16 8.1

300951

SAMPLE AQ1821

Location on Figure 2.3: G,3

Description: Soil sample, 3 to 4 feet deep, discrete soil boring near exterior tank of Economy Products.

Compound	ppb	Rank Within Suite
PESTICIDES		
Beta-BHC Gamma-BHC Heptachlor Toxaphene	400* 200* 140* 27,000*	6th of 9 8th of 10 6th of 9 8th of 21
OTHER EXTRACTABLES—GC/MS		
*** Six unidentified compounds ***		
VOLATILES		
Methylene chloride	1,700	1st of 12
HSL VOLATILES		
2-butanone	16,000	2nd of 2
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Methylcyclopentane Hexane Methylcyclohexane *** Five other peaks - unidentified compounds ***	4,300* 9,900* 20,000*	— — —
SELECTED METALS (ppm)		
Lead Mercury Chromium		120 .12 9.5

300952

SAMPLE AQ1822

Location on Figure 2.3: Monitoring Well No. 1, west of OHARCO buildings.

Description: Soil sample, 0.5 to 2 feet deep, discrete soil boring. Covered with 1/2 feet of gravel.

Compound	ppb	Rank Within Suite
PESTICIDES		
Aldrin	5*	12th of 12
Endosulfan sulfate	6*	5th of 5
4,4'-DDT	5*	7th of 7
OTHER EXTRACTABLES—GC/MS		
*** One unidentified compound ***		
SEMIVOLATILES		
Bis(2-ethylhexyl)phthalate	830*	6th of 12
SELECTED METALS (ppm)		
Lead		15
Mercury		U
Chromium		10

300953

SAMPLE AQ1823

Location on Figure 2.3: Monitoring Well No. 1, west of CHARCO's buildings.

Description: Soil sample, 2 to 4 feet deep, discrete soil boring.

Compound	ppb	Rank Within Suite
PESTICIDES		
Alpha-BHC	3.3*	7th of 7
Delta-BHC	9.9*	12th of 13
Aldrin	16*	10th of 12
Dieldrin	35*	1st of 2
Endrin aldehyde	60*	Only positive
Endrin	31*	3rd of 4
Endosulfan II	26*	4th of 6
4,4'-DDD	22*	4th of 6
Endosulfan sulfate	110*	2nd of 5
4,4'-DDT	110*	4th of 7
OTHER EXTRACTABLES--GC/MS		
*** Two unidentified compounds ***		
SELECTED METALS (ppm)		
Lead		21
Mercury		U
Chromium		3.6

300954

SAMPLE AQ1824

Location on Figure 2.3: Monitoring Well No. 1, west of OHARCO's buildings.

Description: Soil (alluvium) sample, 14.5 to 16 feet interval, discrete soil boring.

Compound	ppb	Rank Within Suite
No organic contamination was detected.		
SELECTED METALS (ppm)		
Lead Mercury Chromium		36 U 12

300955

SAMPLE AQ1825

Location on Figure 2.3: F,12 (approximately)

Description: Sediment sample, 0 to 2 inches deep, collected as 8 allquots along a 50 feet long segment along west edge of 12th Street alley west southwest of the Economy Products building.

Compound	ppb	Rank Within Suite
PESTICIDES		
Toxaphene	13,000*	15th of 21
SELECTED METALS (ppm)		
Lead		460
Mercury		0.1
Chromium		12

300956

SAMPLE AQ1826

Location on Figure 2.3: F,12 (approximately)

Description: Soil sample, 0 to 6 inches deep, collected as 4 aliquots along a 70 feet long segment within the parkway to the west of the 12th Street alley.

Compound	ppb	Rank Within Suite
PESTICIDES		
Beta-BHC	78.0*	9th of 9
Delta-BHC	160*	6th of 13
Heptachlor	39*	8th of 9
Toxaphene	23,000*	9th of 21
SEMIVOLATILES		
Phenanthrene	1,300#	8th of 10
Fluoranthene	1,900*	9th of 11
Pyrene	920#	12th of 15
Benzo(a)anthracene	1,200#	7th of 8
Chrysene	1,100#	7th of 9
SELECTED METALS (ppm)		
Lead		930
Mercury		0.2
Chromium		14

300957

SAMPLE AQ1827

Location on Figure 2.3: C,12 (approximately)

Description: Soil sample, 0 to 6 inches deep, collected as 6 aliquots along a 100 feet long segment within the parkway to the west of the 12th Street alley.

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC Toxaphene	140# 14,000#	7th of 13 14th of 21
SEMIVOLATILES		
Phenanthrene Fluoranthene Benzo(a)pyrene Pyrene Benzo(a)anthracene Bis(2-ethylhexyl)phthalate Chrysene Benzo(k)fluoranthene	2,300# 3,200# 1,700# 850# 1,500# 500# 1,400# 170#	7th of 10 6th of 11 3rd of 6 13th of 15 6th of 8 9th of 12 3rd of 9 2nd of 2
SELECTED METALS (ppm)		
Lead Mercury Chromium		1,800 0.4 14

300958

SAMPLE AQ1828

Location on Figure 2.3: Monitoring Well No. 2, southsoutheast of Economy Products.

Description: Soil sample, 0.5 to 2.5 feet interval, discrete soil boring.

Compound	ppb	Rank Within Suite
PESTICIDES		
Alpha-BHC	100*	3rd of 7
Delta-BHC	470*	1st of 13
Aldrin	380*	3rd of 12
Endosulfan II	20*	5th of 6
4,4'-DDD	17*	5th of 6
Endosulfan sulfate	150*	1st of 5
4,4'-DDT	110*	5th of 7
TENTATIVELY IDENTIFIED EXTRACTABLES—GC/MS		
Ethylmethylheptane	230*	—
Dimethylnaphthalene	1,000*	—
Trimethylnaphthalene	500*	—
Methylphenanthrene	4,100*	—
Phenylnaphthalene	1,700*	—
Terphenyl	510*	—
Benzo(c)phenanthrene	2,000*	—
*** Ten other peaks—unidentified compounds ***		
SEMIVOLATILES		
Naphthalene	430*	2nd of 3
2-methylnaphthalene	430*	2nd of 4
Acenaphthylene	1,100*	1st of 2
Acenaphthene	1,200*	1st of 3
Dibenzofuran	710*	1st of 3
Fluorene	1,400*	1st of 3
Phenanthrene	10,000*	2nd of 10
Fluoranthene	8,500*	3rd of 11
Benzo(b)fluoranthene	11,000*	1st of 4
SELECTED METALS (ppm)		
Lead		370
Mercury		.55
Chromium		9.3

SAMPLE AQ1829

Location on Figure 2.3: Monitoring Well No. 2, southsoutheast of Economy Products.

Description: Soil sample, 2.5 to 4.5 feet deep, discrete soil boring.

Compound	ppb	Rank Within Suite
PESTICIDES		
Alpha-BHC	18#	5th of 7
Delta-BHC	32*	9th of 13
Aldrin	84*	7th of 12
Endosulfan sulfate	30#	4th of 5
TENTATIVELY IDENTIFIED EXTRACTABLES--GC/MS		
Methyl dibenzofuran	380*	---
Methyl phenanthrene	410*	---
Cyclopenta(def)phenanthrene	1,100*	---
Benzo(a)fluorene	720*	---
Methyl pyrene	680*	---
Benzo(c)phenanthrene	180*	---
Methyl benzo(a)anthracene	120*	---
*** Seven other peaks--unidentified compounds ***		
SEMIVOLATILES		
2-methylnaphthalene	100#	4th of 4
Acenaphthylene	160#	2nd of 2
Acenaphthene	580*	2nd of 3
Dibenzofuran	430*	3rd of 3
Fluorene	690*	2nd of 3
Phenanthrene	4,000*	4th of 10
Di-n-butyl phthalate	270#	2nd of 3
Fluoranthene	4,000#	5th of 11
Benzo(a)pyrene	2,800*	2nd of 6
Pyrene	1,000*	10th of 15
Benzo(a)anthracene	1,800*	3rd of 8
Bis(2-ethylhexyl)phthalate	400*	11th of 12
Chrysene	1,300*	4th of 9
Benzo(b)fluoranthene	2,400*	3rd of 4
SELECTED METALS (ppm)		
Lead		120
Mercury		0.4
Chromium		7.1

300960

SAMPLE AQ1831

Location on Figure 2.3: H,12

Description: Soil sample, 0 to 2 inches deep, collected as 5 aliquots along a 100 feet long segment west of Economy Products backlot.

Compound	ppb	Rank Within Suite
PESTICIDES		
Toxaphene	15,000*	12th of 21
OTHER EXTRACTABLES—GC/MS		
*** Four unidentified compounds ***		
SEMIVOLATILES		
Bis(2-ethylhexyl)phthalate	33,000*	1st of 12
SELECTED METALS (ppm)		
Lead		160
Mercury		U
Chromium		8.3

300961

SAMPLE AQ1832

Location on Figure 2.3: 1,9

Description: Soil sample, 0 to 2 inches deep, collected as 4 aliquots about a point from the gravelled lot behind Economy Products.

Compound	ppb.	Rank Within Suite
PESTICIDES		
Beta-BHC Gamma-BHC Heptachlor Toxaphene	1,100* 6,700* 480* 230,000*	3rd of 9 1st of 10 3rd of 9 2nd of 21
OTHER EXTRACTABLES—GC/MS		
*** Three unidentified compounds		
SELECTED METALS (ppm)		
Lead Mercury Chromium		270 .26 9.5

300902

SAMPLE AQ1833

Location on Figure 2.3: G,5 (approximately)

Description: Oily sample, 0 to 1 inches deep; spill area near the southwest corner of the Economy Products building.

Compound	ppb	Rank Within Suite
PESTICIDES		
Alpha-BHC	7,400*	Highest value
Beta-BHC	79,000*	Highest value
Delta-BHC	71,000*	Highest value
Gamma-BHC	65,000*	2nd highest
Endosulfan I	620,000*	Highest value
Dieldrin	2,200,000*	Highest value
4,4'-DDE	1,900,000*	Highest value
Endrin	2,100,000*	Highest value
Endosulfan II	3,100,000*	Highest value
4,4'-DDD	2,100,000*	Highest value
OTHER EXTRACTABLES—GC/MS		
***-Seventeen unidentified compounds ***		
VOLATILES		
Methylene chloride	12,000	Highest value
Chloroform	2,200	Only positive
Ethylbenzene	28,000	Only positive
Toluene	3,000	Only positive
HSL VOLATILES		
2-butanone	18,000	Highest value
o-xylene	434,000	Highest value
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Propylbenzene	12,300*	—
SELECTED METALS (ppm)		
Lead		170
Mercury		U
Chromium		4.8

300963

SAMPLE AQ1834

Location on Figure 2.3: G,8 (approximately)

Description: Soil sample, 0 to 4 inches deep, collected as 8 aliquots along the western, 180 feet long segment of the RR right-of-way south of Economy Products.

Compound	ppb	Rank Within Suite
PESTICIDES		
Beta-BHC	140*	7th of 9
Gamma-BHC	76#	10th of 10
Heptachlor	120*	7th of 9
Toxaphene	30,000*	7th of 21
OTHER EXTRACTABLES—GC/MS		
*** Four unidentified compounds ***		
SEMIVOLATILES		
Pyrene	2,500#	6th of 15
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
1-ethyl-4-methylbenzene	—	—
1-ethyl-2-methylbenzene	—	—
1,2,4-trimethylbenzene	—	—
*** One other peak - unidentified compound ***		
SELECTED METALS (ppm)		
Lead		240
Mercury		.16
Chromium		55

300964

SAMPLE AQ1835

Location on Figure 2.3: G,3 (approximately)

Description: Soil sample, 0 to 4 inches deep, collected as 8 aliquots along the eastern 140 feet segment of the RR right-of-way south of Economy Products.

Compound	ppb.	Rank Within Suite
PESTICIDES		
Alpha-BHC	1,600#	1st of 7
Beta-BHC	12,000*	1st of 9
Gamma-BHC	6,700#	2nd of 9
Heptachlor	4,600#	1st of 9
Toxaphene	1,400,000*	1st of 21
OTHER EXTRACTABLES—GC/MS		
*** Two unidentified compounds ***		
VOLATILES		
Methylene chloride	12	11th of 12
HSL VOLATILES		
O-xylene	65	2nd of 2
SEMIVOLATILES		
Phenanthrene	41,000#	1st of 10
Fluoranthene	37,000#	1st of 11
Pyrene	19,000#	3rd of 15
Benzo(a)anthracene	23,000#	1st of 8
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
1-ethyl-4-methylbenzene	240*	—
1,2,3-trimethylbenzene	160*	—
*** One other peak - unidentified compound ***		
SELECTED METALS (ppm)		
Lead		370
Mercury		.13
Chromium		68

300965

SAMPLE AQ1836

Location on Figure 2.3: 1,2 (approximately)

Description: Soil sample, 0 to 6 inches deep, collected as 5 aliquots along an approximately 100 feet long segment in the front yard, east of the Economy Products building.

Compound	ppb	Rank Within Suite
PESTICIDES		
Heptachlor Toxaphene	1,200* 67,000	2nd of 9- 3rd of 21
SELECTED METALS (ppm)		
Lead Mercury Chromium		1,600 .34 23

300966

SAMPLE AQ1837

Location on Figure 2.3: H,3 (approximately)

Description: Sludge sample, 0 to 2 inches deep of dried up sludge material, just west of the exterior tank at Economy Products. Collected as 6 aliquots.

Compound	ppb	Rank Within Suite
PESTICIDES		
Gamma-BHC	390*	5th of 9
Endosulfan I	2,900*	2nd of 2
Endrin	3,200*	1st of 4
Endosulfan II	2,300*	1st of 6
4,4'-DDD	2,100*	1st of 6
4,4'-DDT	8,600*	1st of 7
VOLATILES		
1,1,1-trichloroethane	10	2nd of 3
Trichloroethene	5	Only positive
Tetrachloroethene	23	Only positive
Methylene chloride	44	8th of 12
SEMI-VOLATILES		
Pyrene	61,000#	1st of 15
- TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
2,3-dimethylpentane	1*	—
SELECTED METALS (ppm)		
Lead		4,600
Mercury		.12
Chromium		42

300967

L E G E N D

APPENDIX 7

PART II
CAPITOL OIL SITE
SELECTED ANALYTICAL DATA
(By Location)

AQ1300 Series Samples

* = Approximate value

U = Undetected (detection limit given in Appendix 5)

= Value is above the detection limit, but below the quantification limit

Note: Sample locations are shown on Figure 2.3. Values not shown are below the detection limit (see Appendix 5). Methylene chloride values below 10 ppb are not included in this table. The position or rank of the sample value within this sample suite (AQ1300 series) is given.

300968

SAMPLE AQ1300

Location on Figure 2.3: 0,2 (approximately)

Description: Sample of oily gravel from within tank farm of Capitol Oil. Collected as 4 aliquots along a 40 feet long segment, 0 to 4 inches deep.

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC	700*	2nd of 10
Heptachlor	740*	2nd of 2
Dieldrin	1,400*	2nd of 8
4,4'-DDE	1,300*	2nd of 5
Endrin	1,400*	2nd of 7
Endosulfan II	940*	2nd of 7
4,4'-DDD	800*	2nd of 8
OTHER EXTRACTABLES—GC/MS		
*** Twenty unidentified compounds ***		
VOLATILES		
Trichloroethene	2.7#	Only positive
HSL VOLATILES		
4-methyl-2-pentanone	10#	Only positive
SEMIVOLATILES		
Phenanthrene	5,400#	3rd of 4
Pyrene	5,900#	4th of 7
OTHER VOLATILES—GC/MS		
*** Five unidentified compounds ***		
SELECTED METALS (ppm)		
Lead		990
Mercury		.22
Chromium		57

300969

SAMPLE AQ1301

Location on Figure 2.3: P,4 (approximately)

Description: Sample of oily gravel from within the tank farm of Capitol Oil. Collected as 4 aliquots along a 40 feet long segment, 0 to 4 inches deep.

Compound	ppb	Rank Within Suite
TENTATIVELY IDENTIFIED EXTRACTABLES—GC/MS		
Ethylmethylheptane Trimethylnaphthalene *** Eighteen other peaks - unidentified compounds ***	1,200* 1,400*	— — —
SEMIVOLATILES		
1,1,1-trichloroethane 1,1-dichloroethane Methylene chloride	76 240 13,000	4th of 4 1st of 4 1st of 6
HSL VOLATILE		
Acetone	860	Only positive
PCB		
Arochlor 1260	4,100*	Only positive
OTHER VOLATILES—GC/MS		
*** Three unidentified compounds ***		
SELECTED METALS (ppm)		
Lead Mercury Chromium		2,200 .15 21

300970

SAMPLE AQ1302

Location on Figure 2.3: 0,4 (approximately)

Description: Sample of oily gravel from within the tank farm of Capitol Oil. Collected as 4 aliquots along a 40 feet long segment, 0 to 4 inches deep.

Compound	ppb	Rank Within Suite
PESTICIDES		
Gamma-BHC	300#	2nd of 6
Heptachlor	1,600*	1st of 2
Aldrin	240#	6th of 11
Heptachlor epoxide	670*	2nd of 3
Dieldrin	770*	5th of 8
Endosulfan II	350#	5th of 7
4,4'-DDD	300#	6th of 8
TENTATIVELY IDENTIFIED EXTRACTABLES—GC/MS		
Undecane	66,000	---
Hexadecanoic Acid	233,000	---
*** Seventeen other peaks—unidentified compounds. ***		
VOLATILES		
1,1,1-trichloroethane	500	2nd of 4
1,1-dichloroethane	160	3rd of 4
Trans-1,2-dichloroethane	420	Only positive
Methylene chloride	1,100	3rd of 6
HSL VOLATILES		
O-xylene	200	Only positive
SEMIVOLATILES		
Pyrene	5,000#	5th of 7
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Methylcyclohexane	100#	---
*** One other peak — unidentified compound. ***		
SELECTED METALS (ppm)		
Lead		1,100
Mercury		U
Chromium		22

300971

SAMPLE AQ1303

Location on Figure 2.3: N,4 (approximately)

Description: Sample of oily gravel from within the tank farm of Capitol Oil. Collected as 4 aliquots along a 40 feet long segment, 0 to 4 inches deep.

Compound	ppb	Rank Within Suite
PESTICIDES		
Gamma-BHC Aldrin Dieldrin 4,4'-DDT	160* 300* 370* 290*	5th of 6 5th of 11 7th of 8 3rd of 6
OTHER EXTRACTABLES—GC/MS		
*** Eighteen unidentified compounds ***		
VOLATILES		
1,1,1-trichloroethane 1,1-dichloroethane	1,400 240	1st of 4 2nd of 4
SEMIVOLATILES		
Pyrene	17,000#	2nd of 7
SELECTED METALS: (ppm)		
Lead Mercury Chromium		680 0.2 21

300972

SAMPLE AQ1304

Location on Figure 2.3: M,4 (approximately)

Description: Sample of oily gravel from within the tank farm of Capitol Oil. Collected as 4 aliquots along a 40 feet long segment, 0 to 4 inches deep.

Compound	ppb	Rank Within Suite
PESTICIDES		
Gamma-BHC	430*	1st of 6
Aldrin	400*	4th of 11
Heptachlor epoxide	850*	1st of 3
Dieldrin	1,300*	3rd of 8
Endrin	1,000*	3rd of 7
Endosulfan II	900*	3rd of 7
4,4'-DDD	580*	4th of 8
4,4'-DDT	2,000*	1st of 6
OTHER EXTRACTABLES—GC/MS		
*** Twelve unidentified compounds ***		
VOLATILES		
1,1,1-trichloroethane	400	3rd of 4
1,1-dichloroethane	76	4th of 4
1,1-dichloroethylene	160	Only positive
Methylene chloride	1,200	2nd of 6
Tetrachloroethene	390	Only positive
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Methylcyclohexane	200*	*** One other peak - unidentified compound ***
SELECTED METALS (ppm)		
Lead		900
Mercury		.18
Chromium		12

SAMPLE AQ1305

300973

Location on Figure 2.3: L,4 (approximately)

Description: Sample of oily gravel from within the tank farm of Capitol Oil. Collected as 4 aliquots along a 40 feet long segment, 0 to 4 inches deep.

Compound	ppb	Rank Within Suite
PESTICIDES		
Beta-BHC	290*	3rd of 6
Gamma-BHC	180*	4th of 6
Aldrin	220*	8th of 11
Heptachlor epoxide	250*	3rd of 3
Endosulfan I	340*	2nd of 3
Dieldrin	800*	4th of 8
4,4'-DDE	420*	4th of 5
Endrin	600*	4th of 7
Endosulfan II	550*	4th of 7
4,4'-DDD	450*	5th of 8
4,4'-DDT	1,400*	2nd of 6
SELECTED METALS (ppm)		
Lead		350
Mercury		U.
Chromium		4.6

300974

SAMPLE AQ1306

Location on Figure 2.3: P,6

Description: Soil sample, 1 to 2.5 feet deep, discrete soil boring near northwest corner of Capitol Oil facility.

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC Aldrin 4,4'-DDT	15* 15* 100*	9th of 10 10th of 11 4th of 6
SEMIVOLATILES		
Fluoranthene	710#	3rd of 4
SELECTED METALS (ppm)		
Lead Mercury Chromium		240 .18 5.1

300975

SAMPLE AQ1307

Location on Figure 2.3: P,6

Description: Soil sample, 2.5 to 4 feet deep, discrete soil boring.

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC	46*	8th of 10
Aldrin	7#	11th of 11
Endrin	4#	7th of 7
Endosulfan sulfate	23*	2nd of 3
SEMIVOLATILES		
Bis(2-ethylhexyl) phthalate	1,000#	1st of 2
SELECTED METALS (ppm)		
Lead		210
Mercury		0.9
Chromium		10

300976

SAMPLE AQ1308

Location on Figure 2.3: M,5

Description: Soil sample, 1 to 2 feet deep, discrete soil boring located west of the Capitol Oil tank farm and within their fenced facility. Lot covered with compacted gravel (approximately one foot thick).

Compound	ppb	Rank Within Suite
PESTICIDES		
Delta-BHC Aldrin Endosulfan II 4,4'-DDD	310* 630* 94* 77*	3rd of 10 3rd of 11 6th of 7 7th of 8
SEMIVOLATILES		
Acenaphthene Dibenzofuran Fluorene Benzo(a)anthracene Phenanthrene Fluoranthene Pyrene	1,100# 320# 820# 1,500# 18,000* 3,900* 4,500*	2nd of 2 2nd of 2 Only positive 1st of 2 2nd of 4 2nd of 4 6th of 7
SELECTED METALS (ppm)		
Lead Mercury Chromium		250 U 12

300977

SAMPLE AQ1309

Location on Figure 2.3: M,5

Description: Soil sample, 2 to 3 feet deep, discrete soil boring.

Compound	ppb	Rank Within Suite
EXTRACTABLES—GC/MS		
*** Four unidentified compounds ***		
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
1,1,3-trimethylcyclohexane *** One other peak - unidentified compound ***	4*	
SELECTED METALS (ppm)		
Lead Mercury Chromium		320 .25 11

SAMPLE AQ1310

300978

Location on Figure 2.3: M,5

Description: Soil sample, 3 to 4 feet deep, discrete soil boring.

Compound	ppb	Rank Within Suite
TENTATIVELY IDENTIFIED EXTRACTABLES—GC/MS		
Ethylmethylheptane	47,000*	---
Tetramethylhexene	6,600*	---
Ethylmethylheptane	8,300*	---
Dedahydronaphthalene	36,000*	---
Ethylmethylcyclohexane	5,000*	---
*** Seventeen other peaks - unidentified compounds ***		
SEMIVOLATILES		
Pyrene	7,800#	3rd of 7
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Dichlorodifluoromethane	250*	---
1,1,3-trimethylcyclohexane	14*	---
*** Four other peaks - unidentified compounds ***		
SELECTED METALS (ppm)		
Lead		150
Mercury		.41
Chromium		9.4

300979

SAMPLE AQ1311

Location on Figure 2.3: P,1 (approximately)

Description: Soil sample, 1 to 2 feet deep, discrete soil boring located near northeast corner of Capitol Oil facility, just outside the tank farm. Area covered with approximately one foot of gravel.

Compound	ppb	Rank Within Suite
PESTICIDES		
Alpha-BHC	600*	1st of 2
Beta-BHC	1,900*	1st of 6
Delta-BHC	1,100*	1st of 10
Aldrin	1,400*	1st of 11
Endosulfan I	1,300*	1st of 3
Dieldrin	2,700*	1st of 8
4,4'-DDE	1,600*	1st of 5
Endrin	2,400*	1st of 7
Endosulfan II	2,000*	1st of 7
4,4'-DDD	1,600*	1st of 8
Endosulfan sulfate	300*	1st of 3
OTHER EXTRACTABLES—GC/MS		
*** Three unidentified compounds ***		
VOLATILES—GC/MS		
*** Four unidentified compounds ***		
SELECTED METALS (ppm)		
Lead		240
Mercury		.26
Chromium		31

300980

SAMPLE AQ1312

Location on Figure 2.3: P,1 (approximately)

Description: Soil sample, 2 to 3 feet deep, discrete soil boring.

Compound	ppb	Rank Within Suite
PESTICIDES		
Beta-BHC	260*	4th of 6
Delta-BHC	160*	4th of 10
Aldrin	230*	7th of 11
Dieldrin	500*	6th of 8
4,4'-DDE	600*	3rd of 5
TENTATIVELY IDENTIFIED EXTRACTABLES—GC/MS		
Ethylmethylheptane	18,000*	—
Decahydromethylnaphthalene	19,000*	—
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Dichlorodifluoromethane	1,600*	—
*** Two other peaks - unidentified compounds ***		
(SELECTED METALS (ppm)		
Lead		340
Mercury		.16
Chromium		12

300981

SAMPLE AQ1313

Location on Figure 2.3: P,1 (approximately)

Description: Soil sample, 3 to 4 feet deep, discrete soil boring.

Compound	ppb	Rank Within Suite
PESTICIDES		
Beta-BHC	250*	5th of 6
Delta-BHC	160*	5th of 10
Aldrin	160*	9th of 11
Dieldrin	300*	8th of 8
4,4'-DDE	380*	5th of 5
4,4'-DDD	770*	3rd of 8
VOLATILES—GC/MS		
*** Two unidentified compounds ***		
SELECTED METALS (ppm)		
Lead		220
Mercury		.18
Chromium		24

300982

SAMPLE AQ1314

Location on Figure 2.3: K,2

Description: Soil sample, 1 to 2 feet deep, discrete soil boring located just south of Capitol Oil at the northeast corner of the Economy Products building. Area is covered with approximately one foot of gravel.

Compound	ppb.	Rank Within Suite
OTHER EXTRACTABLES--GC/MS		
Dimethylethylbenzene Ethylmethylheptane Methylnaphthalene *** Eleven other peaks - unidentified compounds ***	55,000* 210,000* 142,000*	— — —
SEMIVOLATILES		
Naphthalene 2-methylnaphthalene Acenaphthene Dibenzofuran Phenanthrene Fluoranthene Pyrene	45,000* 32,000* 26,000* 21,000* 82,000* 39,000* 37,000*	Only positive Only positive 1st of 2 1st of 2 1st of 4 1st of 4 1st of 7
TENTATIVELY IDENTIFIED VOLATILES--GC/MS		
Methylcyclohexane 1,1,3-trimethylcyclohexane *** Seven other peaks - unidentified compounds ***	42* 36*	— —
SELECTED METALS (ppm)		
Lead Mercury Chromium		340 .34 8.9

SAMPLE AQ1315

300983

Location on Figure 2.3: K,2

Description: Soil sample, 2 to 3 feet deep, discrete soil boring.

Compound	ppb	Rank Within Suite
PESTICIDES		
Beta-BHC Delta-BHC	140* 130*	6th of 6 6th of 10
OTHER EXTRACTABLES—GC/MS		
Ethylmethylheptane Decahydronaphthalene Dimethylundecane *** Eighteen other peaks - unidentified compounds ***	9,200* 8,000* 8,500*	— — —
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Methylcyclopentane Methylcyclohexane 2,3-dimethylpentane 2,2-dimethyl-3-hexene 1,1,3-trimethylcyclohexane *** Nine other peaks - unidentified compounds ****	55* 334* 303* 438* 453*	— — — — —
SELECTED METALS (ppm)		
Lead Mercury Chromium		200 .22 6.8

300984

SAMPLE AQ1316

Location on Figure 2.3: K,2

Description: Soil sample, 4 to 5 feet deep, discrete soil boring.

Compound	ppb	Rank Within Suite
TENTATIVELY IDENTIFIED VOLATILES—GC/MS		
Methylcyclopentane	131*	—
Methylcyclohexane	290*	—
2,3-dimethylpentane	228*	—
2,2,3,3-tetramethylbutane	707*	—
*** Eight other peaks - unidentified compounds ***		
SELECTED METALS (ppm)		
Lead		100
Mercury		.17
Chromium		7.2

300985

SAMPLE AQ1317

Location on Figure 2.3: N,11 (approximately)

Description: Soil sample, 0 to 2 inches deep, collected as 5 aliquots along a 100 foot long segment, west of Capitol Oil's backlot. Gravelled area, approximately 20 feet from the neighboring fence.

Compound	ppb	Rank Within Suite
PESTICIDES		
Endrin	320*	5th of 7
OTHER EXTRACTABLES—GC/MS		
*** Ten unidentified compounds ***		
VOLATILES		
Chloroform	25	Only positive
SELECTED METALS (ppm)		
Lead		100
Mercury		U
Chromium		7.4

300986

SAMPLE AQ1318

Location on Figure 2.3: N,8

Description: Soil sample, 0 to 2 inches deep, collected as 4 aliquots about a point in the backlot of Capitol Oil, outside their fenced facility.

Compound	ppb	Rank Within Suite
PESTICIDES		
Beta-BHC Gamma-BHC Toxaphene	500* 260* 7,500*	2nd of 6 3rd of 6 Only positive
OTHER EXTRACTABLES—GC/MS		
*** Seven unidentified compounds ***		
SELECTED METALS (ppm)		
Lead Mercury Chromium		79 U 7.2

300987

SAMPLE AQT320

Location on Figure 2.3: Monitoring Well No. 3, southeast of Economy Products.

Description: Soil (clayey alluvium) sample, 15.5 to 17.5 feet interval.

Compound	ppb.	Rank Within Suite
PESTICIDES		
Delta-BHC Gamma-BHC Endosulfan I Endrin 4,4'-DDT	9.7* 4.2* 2.8* 7.8* 6.9*	10th of 10 6th of 6 3rd of 3 6th of 7 6th of 6
TENTATIVELY IDENTIFIED EXTRACTABLES—GC/MS		
Hexadecanoic acid *** Six other peaks - unidentified compounds ***	—	—
VOLATILES		
Methylene chloride	18	6th of 6
SEMIVOLATILES		
Bis(2-ethylhexyl)phthalate	550*	2nd of 2
SELECTED METALS (ppm)		
Lead Mercury Chromium		14 U 9.8

300988

SAMPLE AQ1321

Location on Figure 2.3: Monitoring Well No. 3, southeast of Economy Products.

Description: Soil sample collected beneath asphalt parking lot, collected two intervals with rock found between them: 0.5 to 1.1 feet and 2.5 to 3.5 feet.

Compound	ppb	Rank Within Suite
PESTICIDES		
Alpha-BHC	470.0*	2nd of 2
Delta-BHC	110.0*	7th of 10
Aldrin	680.0*	2nd of 11
Endosulfan II	36.0*	7th of 7
4,4'-DDD	32.0*	8th of 8
Endosulfan sulfate	16.0*	3rd of 3
4,4'-DDT	99.0*	5th of 6
VOLATILES		
Methylene chloride	55	5th of 6
SEMI-VOLATILES		
Benzo(a)anthracene	310*	2nd of 2
Phenanthrene	340*	4th of 4
Fluoranthene	610*	4th of 4
Pyrene	520*	7th of 7
Chrysene	280*	Only positive
SELECTED METALS (ppm)		
Lead		21
Mercury		U
Chromium		9.5


300989

APPENDIX 8

SI FORMS

Form 2070-13 - Economy Products
Form 2070-3 - Capitol Oil

300990

		POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 1 - SITE LOCATION AND INSPECTION INFORMATION			I. IDENTIFICATION 01 STATE NE		02 SITE NUMBER NED065122087	
		II. SITE NAME AND LOCATION 01 SITE NAME (Legal, common, or descriptive name of site) Economy Products (Inland Products)		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 1126 N. 11th Street				
03 CITY Omaha		04 STATE NE	05 ZIP CODE 68102	06 COUNTY Douglass		07 COUNTY CODE	08 CON DIST	
09 COORDINATES 41° 16' 14.3" N 95° 55' 11.5" W		10 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER <input type="checkbox"/> G. UNKNOWN						
III. INSPECTION INFORMATION								
01 DATE OF INSPECTION 7 / 9 / 84 <small>MONTH DAY YEAR</small>		02 SITE STATUS <input type="checkbox"/> ACTIVE <input checked="" type="checkbox"/> INACTIVE		03 YEARS OF OPERATION 1970 - 1983 <small>BEGINNING YEAR ENDING YEAR</small>				
04 AGENCY PERFORMING INSPECTION (Check all that apply) <input type="checkbox"/> A. EPA <input checked="" type="checkbox"/> B. EPA CONTRACTOR Ecology & Environment <small>(Name of firm)</small> <input type="checkbox"/> C. MUNICIPAL <input type="checkbox"/> D. MUNICIPAL CONTRACTOR <small>(Name of firm)</small> <input type="checkbox"/> E. STATE <input type="checkbox"/> F. STATE CONTRACTOR <small>(Name of firm)</small> <input type="checkbox"/> G. OTHER <small>(Specify)</small>								
05 CHIEF INSPECTOR Sharon Martin		06 TITLE Geologist		07 ORGANIZATION E&E		08 TELEPHONE NO 913 432-9961		
09 OTHER INSPECTORS Kenna M. Roberson		10 TITLE Geological Engineer		11 ORGANIZATION E&E		12 TELEPHONE NO 913,432-9961		
13 SITE REPRESENTATIVES INTERVIEWED None		14 TITLE		15 ADDRESS		16 TELEPHONE NO ()		
17 ACCESS GAINED BY <small>(Check one)</small> <input checked="" type="checkbox"/> PERMISSION <input type="checkbox"/> WARRANT		18 TIME OF INSPECTION 0800		19 WEATHER CONDITIONS Sunny, 80-90° F.				
IV. INFORMATION AVAILABLE FROM								
01 CONTACT Paul Doherty		02 OF (Agency/Organization) EPA/EP&R			03 TELEPHONE NO (913, 236-3888)			
04 PERSON RESPONSIBLE FOR SITE INSPECTION FORM Sharon Martin		05 AGENCY Ecology & Environment, Inc	06 ORGANIZATION	07 TELEPHONE NO. 913-432-9961	08 DATE 7 / 11 / 85 <small>MONTH DAY YEAR</small>			



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

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
NE1065122087

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)		02 WASTE QUANTITY AT SITE (Measure of waste quantities must be independent)		03 WASTE CHARACTERISTICS (Check all that apply)		
<input checked="" type="checkbox"/> A. SOLID	<input type="checkbox"/> E. SLURRY	TONS _____	NO. OF DRUMS <u>750</u>	<input checked="" type="checkbox"/> A. TOXIC	<input checked="" type="checkbox"/> E. SOLUBLE	<input checked="" type="checkbox"/> I. HIGHLY VOLATILE
<input checked="" type="checkbox"/> B. POWDER, FINES	<input type="checkbox"/> F. LIQUID	CUBIC YARDS _____		<input type="checkbox"/> B. CORROSIVE	<input type="checkbox"/> F. INFECTIOUS	<input type="checkbox"/> J. EXPLOSIVE
<input checked="" type="checkbox"/> C. SLUDGE	<input type="checkbox"/> G. GAS			<input type="checkbox"/> C. RADIOACTIVE	<input checked="" type="checkbox"/> G. FLAMMABLE	<input checked="" type="checkbox"/> K. REACTIVE
<input type="checkbox"/> D. OTHER _____ (Specify)				<input checked="" type="checkbox"/> D. PERSISTENT	<input checked="" type="checkbox"/> H. IGNITABLE	<input type="checkbox"/> L. INCOMPATIBLE
<input type="checkbox"/> M. NOT APPLICABLE						

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE	27,000	gallons	TAT Report
OLW	OLY WASTE	unknown		soil/water contamination
SOL	SOLVENTS	unknown		drummed wastes
PSD	PESTICIDES	unknown		soil cont./drummed wastes
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS	unknown		drummed wastes
BAS	BASES			
MES	HEAVY METALS	unknown		soil contamination

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

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
PSD	Toxaphene	8001-35-2	misc. poor housekeeping	up to 1.18	%
PSD	Lindane	58-89-9	" "	up to 0.02	%
PSD	Heptachlor	76-44-8	" "	up to 4600	ppb
PSD	Aldrin	309-00-2	" "	up to 2300	ppb
PSD	Dieldrin	60-57-1	" "	up to 0.22	%
PSD	4',4'-DDT	50-29-3	" "	up to 8600	ppb
PSD	Endosulfan II	115-29-7	" "	up to 0.31	%
OCC	Dibenzofuran	999	" "	up to 710	ppb
SOL	Methylene Chloride	75-09-2	" "	up to 12,000	"
SOL	O-xylene	95-47-6	" "	up to 434,000	"
OCC	Fluorene	86-73-7	" "	up to 1400	"
OCC	Phenanthrene	85-01-8	" "	up to 41,000	"
OCC	Fluoranthrene	206-44-0	" "	up to 37,000	"
OCC	Pyrene	129-00-0	" "	up to 61,000	"
MES	Copper	unknown	" "	up to 3700	ppm
MES	Lead	unknown	" "	up to 4600	ppm

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	none		FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

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

AQ1800 Series results - FIT files - SI Report

300992



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

I IDENTIFICATION
01 STATE MO 02 SITE NUMBER NED065122087

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 A. GROUNDWATER CONTAMINATION 02 OBSERVED (DATE: 9/5/84) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

Monitoring Well #1 8.5 ppb toxaphene

Groundwater not used for drinking water purposes.

01 B. SURFACE WATER CONTAMINATION 02 OBSERVED (DATE: 6/22/83) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

Surface water intake is several miles upstream. Pesticides detected in ponded surface water onsite that overflows into city sewer which eventually discharge into Missouri River.

01 C. CONTAMINATION OF AIR 02 OBSERVED (DATE:) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

County Health official observed venting of fumes from building and received irritation to eyes.

01 D. FIRE/EXPLOSIVE CONDITIONS 02 OBSERVED (DATE: 7/3/84) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

Interior of the building has undergone clean-up to stabilize these conditions as part of immediate removal of the contents of the building (as of Sept. 15, 1984).

01 E. DIRECT CONTACT 02 OBSERVED (DATE: 7/9/85) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 200-300 04 NARRATIVE DESCRIPTION

Visitors to industrial area.

01 F. CONTAMINATION OF SOIL 02 OBSERVED (DATE: 7/9/85) POTENTIAL ALLEGED
03 AREA POTENTIALLY AFFECTED: 5 (at least) 04 NARRATIVE DESCRIPTION

AQ1800 series samples - all surficial samples collected are contaminated with pesticides, PAH's, or heavy metals. Clean-zone not defined.

01 G. DRINKING WATER CONTAMINATION 02 OBSERVED (DATE:) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

None, see above

01 H. WORKER EXPOSURE/INJURY 02 OBSERVED (DATE:) POTENTIAL ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 0 04 NARRATIVE DESCRIPTION

Employers of the adjacent capitol oil facility report seeing Economy Products employees running out of the building in agony.

01 I. POPULATION EXPOSURE/INJURY 02 OBSERVED (DATE:) POTENTIAL ALLEGED
03 POPULATION POTENTIALLY AFFECTED: < 200 04 NARRATIVE DESCRIPTION

Closest residences 1/4 mile away



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

L IDENTIFICATION
01 STATE 02 SITE NUMBER
NE NED065122087

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

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

Herbicides present

01 K. DAMAGE TO FAUNA 02 OBSERVED (DATE: 1/9/84) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION (Include names of species)

Dead pigeons and racoon

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

Carnivores eating lesser birds.

01 M. UNSTABLE CONTAINMENT OF WASTES 02 OBSERVED (DATE: 1/3/84) POTENTIAL ALLEGED
(Spills, Runoff, Standing liquids, Leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Unkept interior of building; spilled powders and oil in backlot of building.

01 N. DAMAGE TO OFFSITE PROPERTY 02 OBSERVED (DATE: 1/3/84) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

Areas West of site (behind building) belong to another party.

01 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 OBSERVED (DATE: 6/22/83) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

City employee collected ponded water in abandoned RR right-of-way adjacent to Economy Products that runs off into sewer system - 240 ppb toxaphene and 50 ppb Tindane phosphorus.

01 P. ILLEGAL/UNAUTHORIZED DUMPING 02 OBSERVED (DATE: _____) POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

None observed, contamination from poor housekeeping practises.

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

see above

III. TOTAL POPULATION POTENTIALLY AFFECTED: 300-400

IV. COMMENTS

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

FIT files - SI final report R-07-8403-08G
trip report R-07-8403-08B
EPA files - NED065122087



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

I. IDENTIFICATION
01 STATE NE 02 SITE NUMBER NED065122087

II. PERMIT INFORMATION

01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSUED	04 EXPIRATION DATE	05 COMMENTS
<input type="checkbox"/> A. NPDES				
<input type="checkbox"/> B. UIC				
<input type="checkbox"/> C. AIR				
<input type="checkbox"/> D. RCRA				
<input type="checkbox"/> E. RCRA INTERIM STATUS				
<input type="checkbox"/> F. SPCC PLAN				
<input type="checkbox"/> G. STATE (Specify)				
<input type="checkbox"/> H. LOCAL (Specify)				
<input type="checkbox"/> I. OTHER (Specify)				
<input checked="" type="checkbox"/> J. NONE KNOWN				

III. SITE DESCRIPTION

01 STORAGE/DISPOSAL (Check all that apply)	02 AMOUNT	03 UNIT OF MEASURE	04 TREATMENT (Check all that apply)	05 OTHER
<input type="checkbox"/> A. SURFACE IMPOUNDMENT			<input type="checkbox"/> A. INCENERATION	<input checked="" type="checkbox"/> A. BUILDINGS ON SITE
<input checked="" type="checkbox"/> B. PILES	3-4	TONS	<input type="checkbox"/> B. UNDERGROUND INJECTION	
<input checked="" type="checkbox"/> C. DRUMS, ABOVE GROUND	750		<input type="checkbox"/> C. CHEMICAL/PHYSICAL	06 AREA OF SITE 2
<input checked="" type="checkbox"/> D. TANK, ABOVE GROUND	unknown		<input type="checkbox"/> D. BIOLOGICAL	
<input type="checkbox"/> E. TANK, BELOW GROUND			<input type="checkbox"/> E. WASTE OIL PROCESSING	
<input type="checkbox"/> F. LANDFILL			<input type="checkbox"/> F. SOLVENT RECOVERY	
<input type="checkbox"/> G. LANDFARM			<input type="checkbox"/> G. OTHER RECYCLING/RECOVERY	
<input checked="" type="checkbox"/> H. OPEN DUMP			<input checked="" type="checkbox"/> H. OTHER <u>none</u> (Specify)	
<input type="checkbox"/> I. OTHER (Specify)				

07 COMMENTS

Extremely poor housekeeping practises were employed. Drums within and outside of building leaking and compounds spilled in both areas. Oily substances spill in basement area and in nearby subsurface.

IV. CONTAINMENT

01 CONTAINMENT OF WASTES (Check one)

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

02 DESCRIPTION OF DRUMS, DIKING, LINERS, BARRIERS, ETC.

Leaking liquids, spilled solids, incompatible wastes, no barrier around exterior tank, waste sludge piles onsite. Much of the site has now been stabilized. Spilled wastes have been cleaned up as much as possible. Part of the area has been fenced and covered with gravel. Soils and groundwater still contaminated.

V. ACCESSIBILITY

01 WASTE EASILY ACCESSIBLE: YES NO

02 COMMENTS

At time of inspection, Site has undergone some remedial actions at this date, but contaminated soil is still accessible to public.

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

FIT files
EPA files



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

I. IDENTIFICATION	
01 STATE NE	02 SITE NUMBER NED065122087

II. DRINKING WATER SUPPLY

01 TYPE OF DRINKING SUPPLY <i>(Check as applicable)</i>		02 STATUS*			03 DISTANCE TO SITE	
COMMUNITY	SURFACE A. <input checked="" type="checkbox"/>	WELL B. <input type="checkbox"/>	ENDANGERED A. <input type="checkbox"/>	AFFECTED B. <input type="checkbox"/>	MONITORED C. <input type="checkbox"/>	A. <u>6</u> (mi)
NON-COMMUNITY	C. <input type="checkbox"/>	D. <input type="checkbox"/>	D. <input type="checkbox"/>	E. <input type="checkbox"/>	F. <input type="checkbox"/>	B. _____ (mi)

III. GROUNDWATER

01 GROUNDWATER USE IN VICINITY *(Check one)*

A. ONLY SOURCE FOR DRINKING
 B. DRINKING *(Other sources available)*
 COMMERCIAL, INDUSTRIAL, IRRIGATION
(No other water sources available)

C. COMMERCIAL, INDUSTRIAL, IRRIGATION *(Limited other sources available)*
 D. NOT USED, UNUSEABLE

02 POPULATION SERVED BY GROUND WATER 0

03 DISTANCE TO NEAREST DRINKING WATER WELL _____ (mi)

04 DEPTH TO GROUNDWATER <u>2</u> (m)	05 DIRECTION OF GROUNDWATER FLOW <u>regionally SE</u>	06 DEPTH TO AQUIFER OF CONCERN <u>2</u> (m)	07 POTENTIAL YIELD OF AQUIFER <u>unknown</u> (gpd)	08 SOLE SOURCE AQUIFER <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
---	--	--	---	---

09 DESCRIPTION OF WELLS *(including usage, depth, and location relative to population and buildings)*

None registered within 3 miles of the site. Surface water supplies all of community around the site.

10 RECHARGE AREA <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	COMMENTS Water will infiltrate thru permeable fill to recharge	11 DISCHARGE AREA <input type="checkbox"/> YES <input type="checkbox"/> NO	COMMENTS
--	---	--	----------

IV. SURFACE WATER groundwater.

01 SURFACE WATER USE *(Check one)*

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

02 AFFECTED/POTENTIALLY AFFECTED BODIES OF WATER

NAME:	AFFECTED	DISTANCE TO SITE
<u>Missouri River</u>	<input type="checkbox"/>	<u>1/2</u> (mi)
_____	<input type="checkbox"/>	_____ (mi)
_____	<input type="checkbox"/>	_____ (mi)

V. DEMOGRAPHIC AND PROPERTY INFORMATION

01 TOTAL POPULATION WITHIN			02 DISTANCE TO NEAREST POPULATION
ONE (1) MILE OF SITE A. <u>1000</u> NO. OF PERSONS	TWO (2) MILES OF SITE B. <u>> 10,000</u> NO. OF PERSONS	THREE (3) MILES OF SITE C. <u>> 10,000</u> NO. OF PERSONS	<u>1/4</u> (mi)

03 NUMBER OF BUILDINGS WITHIN TWO (2) MILES OF SITE <u>numerous; industrial urban area</u>	04 DISTANCE TO NEAREST OFF-SITE BUILDING <u>adjacent</u> (mi)
---	--

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

Densely populated urban area - industrial site.

300996



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

I IDENTIFICATION

01 STATE NE	02 SITE NUMBER NE006512208
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VI. ENVIRONMENTAL INFORMATION

01 PERMEABILITY OF UNSATURATED ZONE (Check one)

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

02 PERMEABILITY OF BEDROCK (Check one)

A. IMPERMEABLE (Less than 10^{-6} cm/sec) B. RELATIVELY IMPERMEABLE ($10^{-6} - 10^{-8}$ cm/sec) C. RELATIVELY PERMEABLE ($10^{-2} - 10^{-4}$ cm/sec) D. VERY PERMEABLE (Greater than 10^{-2} cm/sec)

03 DEPTH TO BEDROCK

35 (ft)

04 DEPTH OF CONTAMINATED SOIL ZONE

at least 6 (ft)

05 SOIL pH

unknown

06 NET PRECIPITATION

-12.5 (in)

07 ONE YEAR 24 HOUR RAINFALL

2.5 (in)

08 SLOPE
SITE SLOPE

1-2 %

DIRECTION OF SITE SLOPE

mainly west

TERRAIN AVERAGE SLOPE

1-2 %

09 FLOOD POTENTIAL

Behind levee protection
SITE IS IN _____ YEAR FLOODPLAIN

10

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

11 DISTANCE TO WETLANDS (5 acre minimum)

ESTUARINE

A. _____ (mi)

OTHER

1/2 shown on map

B. _____ (mi)

12 DISTANCE TO CRITICAL HABITAT (of endangered species)

_____ (mi)

ENDANGERED SPECIES: none

13 LAND USE IN VICINITY

DISTANCE TO:

COMMERCIAL/INDUSTRIAL

A. onsite (mi)

RESIDENTIAL AREAS; NATIONAL/STATE PARKS,
FORESTS, OR WILDLIFE RESERVES

B. 1/4 (mi)

AGRICULTURAL LANDS
PRIME AG LAND

C. _____ (mi)

AG LAND

D. _____ (mi)

14 DESCRIPTION OF SITE IN RELATION TO SURROUNDING TOPOGRAPHY

Site occurs within relatively flat floodplain of Missouri River, approximately 1/2 mile from the river. Surrounding land is of the same topographic nature with general slope southeast toward the river.

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

USGS Topo Map - Omaha North Quadrangle
FIT Files
HRS Manual



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

I. IDENTIFICATION	
01 STATE NE	02 SITE NUMBER NE0065122087

II. CURRENT OWNER(S)				PARENT COMPANY (if applicable)			
01 NAME Mr. George Money		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) Box 427		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY Shenandoah		06 STATE IA	07 ZIP CODE 51602	12 CITY		13 STATE	14 ZIP CODE
01 NAME Capitol Oil Corporation		02 D+B NUMBER (mortgage)		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.) 1128 N. 11th Street		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY Omaha		06 STATE NE	07 ZIP CODE 68102	12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE
01 NAME		02 D+B NUMBER		08 NAME		09 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		10 STREET ADDRESS (P.O. Box, RFD #, etc.)		11 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	12 CITY		13 STATE	14 ZIP CODE

III. PREVIOUS OWNER(S) (List most recent first)				IV. REALTY OWNER(S) (if applicable; list most recent first)			
01 NAME Maroba Company		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	05 CITY		06 STATE	07 ZIP CODE
01 NAME		02 D+B NUMBER		01 NAME		02 D+B NUMBER	
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE		03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	
05 CITY		06 STATE	07 ZIP CODE	05 CITY		06 STATE	07 ZIP CODE

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

EPA files

300998



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

I. IDENTIFICATION
01 STATE NE 02 SITE NUMBER NED65122087

II. SAMPLES TAKEN			
SAMPLE TYPE	01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO	03 ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER	3	EPA Region VII lab	avail.
SURFACE WATER			
WASTE (sludge)	1	" " " "	"
AIR			
RUNOFF			
SPILL (oil)	1	" " " "	"
SOIL	32	" " " "	"
VEGETATION			
OTHER			

III. FIELD MEASUREMENTS TAKEN	
01 TYPE	02 COMMENTS
Water Parameters	pH, T ^o , conductivity

IV. PHOTOGRAPHS AND MAPS	
01 TYPE <input checked="" type="checkbox"/> GROUND <input type="checkbox"/> AERIAL	02 IN CUSTODY OF <u>aerial-EPA; ground-EPA and FIT</u> <small>(Name of organization or individual)</small>
03 MAPS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	04 LOCATION OF MAPS <u>E&E and EPA files</u>

V. OTHER FIELD DATA COLLECTED (Provide narrative description)

A number of soil and additional groundwater sample (8 additional wells) were collected during immediate - removal activities in July-September, 1984 by EP&R, TAT and IT.

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

EPA and FIT files

300999



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

I. IDENTIFICATION
01 STATE NE 02 SITE NUMBER NED06512208

II. CURRENT OPERATOR <small>(Provide if different from owner)</small>				OPERATOR'S PARENT COMPANY <small>(if applicable)</small>			
01 NAME none-inactive		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small>			04 SIC CODE	12 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small>			13 SIC CODE
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER					
III. PREVIOUS OPERATOR(S) <small>(List most recent first; provide only if different from owner)</small>				PREVIOUS OPERATORS' PARENT COMPANIES <small>(if applicable)</small>			
NAME Mr. George Money		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small> Box 427			04 SIC CODE	12 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small>			13 SIC CODE
05 CITY Shenandoah		06 STATE IA	07 ZIP CODE 51602	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION approx. 13 yrs		09 NAME OF OWNER DURING THIS PERIOD owner/operator					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small>			04 SIC CODE	12 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small>			13 SIC CODE
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
01 NAME		02 D+B NUMBER		10 NAME		11 D+B NUMBER	
03 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small>			04 SIC CODE	12 STREET ADDRESS <small>(P.O. Box, RFD #, etc.)</small>			13 SIC CODE
05 CITY		06 STATE	07 ZIP CODE	14 CITY		15 STATE	16 ZIP CODE
08 YEARS OF OPERATION		09 NAME OF OWNER DURING THIS PERIOD					
IV. SOURCES OF INFORMATION <small>(Cite specific references, e.g., state files, sample analysis, reports)</small>							
EPA files							



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

I. IDENTIFICATION	
01 STATE NE	02 SITE NUMBER NE006512208

II. ON-SITE GENERATOR

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

III. OFF-SITE GENERATOR(S)

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

IV. TRANSPORTER(S)

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

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

Blank area for sources of information.

301001



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

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
NE NEB065122087

II. PAST RESPONSE ACTIVITIES unknown, contact EP&R-Paul Doherty

01 <input type="checkbox"/> A. WATER SUPPLY CLOSED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
<input type="checkbox"/> E. CONTAMINATED SOIL REMOVED DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> G. WASTE DISPOSED ELSEWHERE 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> H. ON SITE BURIAL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> I. IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> L. ENCAPSULATION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> M. EMERGENCY WASTE TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> N. CUTOFF WALLS 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> O. EMERGENCY DIKING/SURFACE WATER DIVERSION 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> Q. SUBSURFACE CUTOFF WALL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____

301002



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

I. IDENTIFICATION	
01 STATE NE	02 SITE NUMBER NEC-065122087

II. PAST RESPONSE ACTIVITIES (Continued)

01 <input type="checkbox"/> R. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> S. CAPPING/COVERING 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> T. BULK TANKAGE REPAIRED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> U. GROUT CURTAIN CONSTRUCTED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> V. BOTTOM SEALED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> W. GAS CONTROL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> X. FIRE CONTROL 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> Y. LEACHATE TREATMENT 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> Z. AREA EVACUATED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> 2. POPULATION RELOCATED 04 DESCRIPTION	02 DATE _____	03 AGENCY _____
01 <input type="checkbox"/> 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE _____	03 AGENCY _____

Remedial activities still in progress.

III. SOURCES OF INFORMATION (Cite specific references, e.g., State Reg. sample analysis reports)

Paul Doherty-EP&R (EPA Region VII) 913-236-3888



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

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
NE	NE0065122087

II. ENFORCEMENT INFORMATION

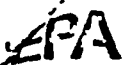
01 PAST REGULATORY/ENFORCEMENT ACTION YES NO

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

Operations ordered ceased by the County Health Dept. December, 1982..

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

EPA files



POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

VII

NE-000010043

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME Capitol Oil Company		B. STREET (or other Identifier) 1126 N. 11th Street		301004	
C. CITY Omaha		D. STATE NE	E. ZIP CODE 68102	F. COUNTY NAME Douglas	
G. SITE OPERATOR INFORMATION					
1. NAME Richard Stephens (Manager)			2. TELEPHONE NUMBER (402) 346-7441		
3. STREET 1126 N. 11th Street		4. CITY Omaha		5. STATE NE	6. ZIP CODE 68102
H. REALTY OWNER INFORMATION (if different from operator of site)					
1. NAME			2. TELEPHONE NUMBER		
3. CITY		4. STATE		5. ZIP CODE	
I. SITE DESCRIPTION Waste oil reclaimer					
J. TYPE OF OWNERSHIP					
<input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE					

II. TENTATIVE DISPOSITION (complete this section last)

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.) 3/9/83		B. APPARENT SERIOUSNESS OF PROBLEM			
		<input type="checkbox"/> 1. HIGH <input checked="" type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE			
I. PREPARER INFORMATION					
1. NAME William Kwoka		2. TELEPHONE NUMBER (913) 371-3213		3. DATE (mo., day, & yr.) 3/21/83	

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION			
1. NAME William Kwoka		2. TITLE Field Investigator	
3. ORGANIZATION Ecology and Environment, Inc.		4. TELEPHONE NO. (area code & no.) (913) 371-3213	
B. INSPECTION PARTICIPANTS			
1. NAME	2. ORGANIZATION	3. TELEPHONE NO.	
James E. Jackson	Ecology & Environment, Inc.	(913) 371-3213	
C. SITE REPRESENTATIVES INTERVIEWED (corporate officials, workers, residents)			
1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS	
Richard Stephens	Manager (402) 346-7441	1126 N. 11th St., Omaha, NE	
		(limited interview to volunteered information as per direction of attorney)	
off-site Wayne Case	Attorney-Deffenbaugh (913) 631-3300	Provided information as attorney representing Capitol Oil Company.	

III. INSPECTION INFORMATION (continued)

D. GENERATOR INFORMATION (source of waste)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
			301005

E. TRANSPORTER/HALER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED
Richard Stephens	402/346-7441	1126 N. 11th St., Omaha, NE	Waste oil

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS
Richard Stephens	402/346-7441	tank bottoms disposed of as oil emulsion at Douglas County Landfill

G. DATE OF INSPECTION (mo., day, & yr.)

March 9, 1983	H. TIME OF INSPECTION 0945 hours	I. ACCESS GAINED BY: (credentials must be shown in all cases) <input checked="" type="checkbox"/> 1. PERMISSION <input type="checkbox"/> 2. WARRANT
---------------	-------------------------------------	--

J. WEATHER (describe)

sunny and cold (about 30° F)

IV. SAMPLING INFORMATION

Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

1. SAMPLE TYPE	2. SAMPLE TAKEN (mark 'X')	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
a. GROUNDWATER		No samples taken	
b. SURFACE WATER			
c. WASTE			
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER (specify)			

B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.)

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS
visual inspection		

IV. SAMPLING INFORMATION (continued)

C. PHOTOS
 1. TYPE OF PHOTOS: a. GROUND b. AERIAL
 2. PHOTOS IN CUSTODY OF: Ecology and Environment, Inc. 301006
 D. SITE MAPPED? YES. SPECIFY LOCATION OF MAPS: Site sketch at Ecology and Environment, Inc.
 E. COORDINATES
 1. LATITUDE (deg.-min.-sec.): 95° 55' 49"
 2. LONGITUDE (deg.-min.-sec.): 41° 16' 14"

V. SITE INFORMATION

A. SITE STATUS
 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)
 2. INACTIVE (Those sites which no longer receive wastes.)
 3. OTHER (specify):
 B. IS GENERATOR ON SITE? Multiple Generators
 1. NO 2. YES (specify generator's four-digit SIC Code):
 C. AREA OF SITE (in acres): about 3.4
 D. ARE THERE BUILDINGS ON THE SITE?
 1. NO 2. YES (specify): Capitol Oil has one building and Inland Products has one building

VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

A. TRANSPORTER	B. STORER	C. TREATER	D. DISPOSER
<input checked="" type="checkbox"/> 1. RAIL	<input type="checkbox"/> 1. PILE	<input type="checkbox"/> 1. FILTRATION	<input type="checkbox"/> 1. LANDFILL
<input type="checkbox"/> 2. SHIP	<input type="checkbox"/> 2. SURFACE IMPOUNDMENT	<input type="checkbox"/> 2. INCINERATION	<input type="checkbox"/> 2. LANDFARM
<input type="checkbox"/> 3. BARGE	<input type="checkbox"/> 3. DRUMS	<input type="checkbox"/> 3. VOLUME REDUCTION	<input checked="" type="checkbox"/> 3. OPEN DUMP <i>see below*</i>
<input checked="" type="checkbox"/> 4. TRUCK	<input checked="" type="checkbox"/> 4. TANK, ABOVE GROUND	<input type="checkbox"/> 4. RECYCLING/RECOVERY	<input type="checkbox"/> 4. SURFACE IMPOUNDMENT
<input type="checkbox"/> 5. PIPELINE	<input type="checkbox"/> 5. TANK, BELOW GROUND	<input type="checkbox"/> 5. CHEM./PHYS./TREATMENT	<input type="checkbox"/> 5. MIDNIGHT DUMPING
<input type="checkbox"/> 6. OTHER (specify):	<input type="checkbox"/> 6. OTHER (specify):	<input type="checkbox"/> 6. BIOLOGICAL TREATMENT	<input type="checkbox"/> 6. INCINERATION
		<input checked="" type="checkbox"/> 7. WASTE OIL REPROCESSING	<input type="checkbox"/> 7. UNDERGROUND INJECTION
		<input type="checkbox"/> 8. SOLVENT RECOVERY	<input type="checkbox"/> 8. OTHER (specify):
		<input type="checkbox"/> 9. OTHER (specify):	* Inland reportedly has contaminated soil.

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this form.

1. STOPA 2. INCINERATION 3. LANDFILL 4. SURFACE IMPOUNDMENT 5. DEEP WELL
 6. CHEM/BIO/PHYS TREATMENT 7. LANDFARM 8. OPEN DUMP 9. TRANSPORTER 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE
 1. LIQUID 2. SOLID 3. SLUDGE 4. GAS
 B. WASTE CHARACTERISTICS
 1. CORROSIVE 2. IGNITABLE 3. RADIOACTIVE 4. HIGHLY VOLATILE
 5. TOXIC 6. REACTIVE 7. INERT 8. FLAMMABLE
 9. OTHER (specify):

C. WASTE CATEGORIES
 1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.
 NO

VII. WASTE RELATED INFORMATION (continued)

2. Estimate the amount (specify unit of measure) of waste by category, mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
					301007
(1) PAINT, PIGMENTS	(1) OILY WASTES	(1) HALOGENATED SOLVENTS	(1) ACIDS	(1) FLYASH	(1) LABORATORY, PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER (specify):	(2) NON-HALOGENATED SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER (specify):	(3) CAUSTICS	(3) MILLING/MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMELTING WASTES	(4) MUNICIPAL
(5) OTHER (specify):			(5) DYES/INKS	(5) NON-FERROUS SMELTING WASTES	(5) OTHER (specify):
			(6) CYANIDE	(6) OTHER (specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER (specify):		

3. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE (place in descending order of hazard)

1. SUBSTANCE	2. FORM (mark 'X')			3. TOXICITY (mark 'X')				4. CAS NUMBER	5. AMOUNT	6. UNIT
	a. SOLID	b. LIQ.	c. VAPOR	a. HIGH	b. MED.	c. LOW	d. NONE			
Oily wastes		X			X				Unknown	
Pesticides (Lindane)	X				X				Unknown	
Pesticide Wastes			X		X			Particulate wastes vented to air	Unknown	

VII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

A. HUMAN HEALTH HAZARDS

Pesticide wastes are vented into the air and have caused temporary headaches and irritation of eyes/respiratory tract.

VIII. HAZARD DESCRIPTION (continued)

 B. NON-WORKER INJURY/EXPOSURE

Workers at Capitol Oil have reportedly been sent home early when headaches were "caused" by materials believed to have been vented by Inland Products. Two state inspectors were "burned" in the mouth and eyes on March 8, 1983 during an inspection of the Inland Products site.

301008

 C. WORKER INJURY/EXPOSURE

Unknown. No reports of worker injury at Capitol Oil Company attributable to waste oil handling. No information on Inland Products employees.

 D. CONTAMINATION OF WATER SUPPLY

Unknown

 E. CONTAMINATION OF FOOD CHAIN

Unknown

 F. CONTAMINATION OF GROUND WATER

Very likely: John Burleigh of the State Department of Environmental Health said the oil was found at 3 to 4 feet below the soil surface.

 G. CONTAMINATION OF SURFACE WATER

Not likely

VIII. HAZARD DESCRIPTION (continued)

H. DAMAGE TO FLORA/FAUNA

No damage to flora/fauna.

301009

I. FISH KILL

N/A

J. CONTAMINATION OF AIR

Vented chemicals from Inland Products has caused "burns" and headaches.

K. NOTICEABLE ODORS

Reportedly noticeable odors when chemicals are being vented. No odors were observed during the site inspection.

L. CONTAMINATION OF SOIL

See item F. Also visual evidence of purple "dye" in the back yard of Inland Products.

M. PROPERTY DAMAGE

VIII. HAZARD DESCRIPTION (continued)

N. FIRE OR EXPLOSION

None known

301010

O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

Possibly. Mr. Wayne Case (attorney for Capitol Oil) stated that the State of Nebraska has shown that samples of oil from Inland Products match those taken as subsurface samples.

P. SEWER, STORM DRAIN PROBLEMS

Unknown

Q. EROSION PROBLEMS

None apparent

R. INADEQUATE SECURITY

S. INCOMPATIBLE WASTES

No

VIII. HAZARD DESCRIPTION (continued)

T. MIDNIGHT DUMPING

Unknown

Local and state regulatory agencies have found many substandard operating conditions. There is a possibility that oil was dumped, but it may have just leaked into the ground.

U. OTHER (specify):

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED.	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA $\frac{1}{2}$ mile	D. APPROX. NO. OF BUILDINGS AFFECTED.	E. DISTANCE TO SITE (specify units)
1. IN RESIDENTIAL AREAS	None	---	---	---
2. IN COMMERCIAL OR INDUSTRIAL AREAS	320		32	$\frac{1}{2}$ mile
3. IN PUBLICLY TRAVELLED AREAS				
4. PUBLIC USE AREAS (parks, schools, etc.)	None			

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER (specify unit) 2 to >10 feet	B. DIRECTION OF FLOW	C. GROUNDWATER USE IN VICINITY
D. POTENTIAL YIELD OF AQUIFER	E. DISTANCE TO DRINKING WATER SUPPLY (specify unit of measure) 5 miles	F. DIRECTION TO DRINKING WATER SUPPLY south
G. TYPE OF DRINKING WATER SUPPLY:		
<input type="checkbox"/> 1. NON-COMMUNITY < 15 CONNECTIONS <input checked="" type="checkbox"/> 2. COMMUNITY (specify town): <u>Omaha, Nebraska</u> > 15 CONNECTIONS		
<input type="checkbox"/> 3. SURFACE WATER <input type="checkbox"/> 4. WELL		

X. WATER AND HYDROLOGICAL DATA (continued)

LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE

1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COMMUNITY (mark 'X')	5. COMMUNITY (mark 'X')
		None known		

I. RECEIVING WATER

1. NAME

Missouri River

2. SEWERS

3. STREAMS/RIVERS

4. LAKES/RESERVOIRS

5. OTHER (specify):

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

Drinking Water/Recreational Uses

XI. SOIL AND VEGETATION DATA

LOCATION OF SITE IS IN:

A. KNOWN FAULT ZONE

B. KARST ZONE

C. 100 YEAR FLOOD PLAIN

D. WETLAND

E. A REGULATED FLOODWAY

F. CRITICAL HABITAT

G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

A. OVERBURDEN		B. BEDROCK (specify below)		C. OTHER (specify below)	
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>	
1. SAND					
2. CLAY					
<input checked="" type="checkbox"/> 3. GRAVEL					

XIII. SOIL PERMEABILITY

A. UNKNOWN

B. VERY HIGH (100,000 to 1000 cm/sec.)

C. HIGH (1000 to 10 cm/sec.)

D. MODERATE (10 to .1 cm/sec.)

E. LOW (.1 to .001 cm/sec.)

F. VERY LOW (.001 to .00001 cm/sec.)

G. RECHARGE AREA

1. YES

2. NO

3. COMMENTS:

H. DISCHARGE AREA

1. YES

2. NO

3. COMMENTS:

I. SLOPE

1. ESTIMATE % OF SLOPE:
level

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.

J. OTHER GEOLOGICAL DATA

Cut and fill area -- no permeability data is available due to variable permeability. Believed to be moderate to high permeability due to surrounding soil description, i.e. rough broken land, loess.

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X')		
					1. YES	2. NO	3. UNKNOWN
Nebraska ID # NEDO	20 201075						

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

NONE YES (summarize in this space)

State is in the process of an enforcement action against both Inland Products and Capitol Oil Company. The action against Captiol Oil Company is believed to be because they "own" Inland Products.

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition (Section II) information on the first page of this form.