

AP - 001

**STAGE 1 & 2
REPORTS**

DATE:

Feb. 1991

Part IIA

Lab Data Sheet

**Eder Report - February 1991
from NMED files**

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I. OVERVIEW

Eder Associates Consulting Engineers, P.C. (EA) was retained by Simpson, Thacher & Bartlett, counsel to Rexene Corporation (Rexene) to investigate the Brickland Refinery Site in Sunland Park, New Mexico. The investigation was performed in accordance with a January 1990 work plan approved by the New Mexico Environmental Improvement Division (EID), Santa Fe. The investigation report has been submitted in the following parts: Part I - Field Investigation, local geology and hydrogeology and site history (August 1990); Part II - analytical data summary (October 1990); Part III - EID requested supplemental information (February 1991) and Part IIA - containing laboratory data sheets (February 1991). The Part II report presents validated data summarized by EA; the laboratory sheets as received from International Technology Analytical Services, Austin Lab are presented in this report. The dates the samples were analyzed do not always correspond with the collection dates because some samples were reanalyzed as a result of QA/QC problems during the first analysis. When laboratory holding time was exceeded, the data report sheet indicates that discrepancy. This report presents data previously given to EID in a meeting in October of 1990, but should be substituted for those data as the definitive laboratory data presentation of all Phase I work. This is done because the October data set was incomplete.

LABORATORY DATA SHEETS

- GROUNDWATER SAMPLING ROUND I (APRIL)
VOC, SEMI-VOC, METALS

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-1-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	ND 10	1,2-Dichloropropane	ND 5.0
Methyl bromide	ND 5.0	trans-1,3-Dichloropropene	ND 5.0
Vinyl chloride	ND 10	Trichloroethylene	ND 5.0
Chloroethane	ND 10	Chlorodibromomethane	ND 5.0
Methylene chloride	ND 5.0	1,1,2-Trichloroethane	ND 5.0
Acetone	ND 100	Benzene	ND 5.0
Carbon disulfide	ND 5.0	cis-1,3-Dichloropropene	ND 5.0
1,1-Dichloroethylene	ND 5.0	2-Chloroethylvinyl ether	ND 10
1,1-Dichloroethane	ND 5.0	Bromoform	ND 5.0
trans-1,2-Dichloroethylene	ND 5.0	2-Hexanone	ND 50
Chloroform	ND 5.0	4-Methyl-2-pentanone	ND 50
1,2-Dichloroethane	ND 5.0	Tetrachloroethylene	ND 5.0
2-Butanone	ND 100	1,1,2,2-Tetrachloroethane	ND 5.0
1,1,1-Trichloroethane	ND 5.0	Toluene	ND 5.0
Carbon tetrachloride	ND 5.0	Chlorobenzene	ND 5.0
Vinyl acetate	ND 50	Ethylbenzene	ND 5.0
Dichlorobromomethane	ND 5.0	Styrene	ND 5.0
		Xylenes, total	ND 5.0

Surrogates	% Recovery
Toluene-D8	102
Bromofluorobenzene	100
1,2-Dichloroethane-D4	103

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-180

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-2-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

Detection
LimitDetection
Limit

Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	ND	100	Benzene	ND	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	ND	5.0	Tetrachloroethylene	ND	5.0
2-Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	ND	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	ND	5.0
Dichlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	ND	5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	100
1,2-Dichloroethane-D4	102

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-160

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-35-01

SAMPLE DATE: 04/11/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

Detection
LimitDetection
Limit

Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	ND	100	Benzene	ND	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	ND	5.0	Tetrachloroethylene	ND	5.0
2-Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	ND	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	ND	5.0
Dichlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	ND	5.0

Surrogates	% Recovery
Toluene-D8	101
Bromofluorobenzene	99
1,2-Dichloroethane-D4	105

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-161

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-3D-01

SAMPLE DATE: 04/11/90

ANALYSIS DATE: 04/27/90

Results in ug/L:

	Detection Limit			Detection Limit	
Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	ND	100	Benzene	ND	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	ND	5.0	Tetrachloroethylene	ND	5.0
2-Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	ND	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	ND	5.0
Dichlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	7.3	5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	104
1,2-Dichloroethane-D4	105

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-180

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-4-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit			Detection Limit	
Methyl chloride	ND	50	1,2-Dichloropropane	ND	25
Methyl bromide	ND	25	trans-1,3-Dichloropropene	ND	25
Vinyl chloride	ND	50	Trichloroethylene	ND	25
Chloroethane	ND	50	Chlorodibromomethane	ND	25
Methylene chloride	ND	25	1,1,2-Trichloroethane	ND	25
Acetone	ND	500	Benzene	1700	25
Carbon disulfide	ND	25	cis-1,3-Dichloropropene	ND	25
1,1-Dichloroethylene	ND	25	2-Chloroethylvinyl ether	ND	50
1,1-Dichloroethane	ND	25	Bromoform	ND	25
trans-1,2-Dichloroethylene	ND	25	2-Hexanone	ND	250
Chloroform	ND	25	4-Methyl-2-pentanone	ND	250
1,2-Dichloroethane	ND	25	Tetrachloroethylene	ND	25
Butanone	ND	500	1,1,2,2-Tetrachloroethane	ND	25
1,1,1-Trichloroethane	ND	25	Toluene	ND	25
Carbon tetrachloride	ND	25	Chlorobenzene	ND	25
Vinyl acetate	ND	250	Ethylbenzene	ND	25
Dichlorobromomethane	ND	25	Styrene	ND	25
			Xylenes, total	81	25

Surrogates	% Recovery
Toluene-D8	98
Bromofluorobenzene	99
1,2-Dichloroethane-D4	100

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-180

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-05-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	ND 200	1,2-Dichloropropane	ND 100
Methyl bromide	ND 100	trans-1,3-Dichloropropene	ND 100
Vinyl chloride	ND 200	Trichloroethylene	ND 100
Chloroethane	ND 200	Chlorodibromomethane	ND 100
Methylene chloride	ND 100	1,1,2-Trichloroethane	ND 100
Acetone	ND 2000	Benzene	12000 100
Carbon disulfide	ND 100	cis-1,3-Dichloropropene	ND 100
1,1-Dichloroethylene	ND 100	2-Chloroethylvinyl ether	ND 200
1,1-Dichloroethane	ND 100	Bromoform	ND 100
trans-1,2-Dichloroethylene	ND 100	2-Hexanone	ND 1000
Chloroform	ND 100	4-Methyl-2-pentanone	ND 1000
1,2-Dichloroethane	ND 100	Tetrachloroethylene	ND 100
Butanone	ND 2000	1,1,2,2-Tetrachloroethane	ND 100
1,1,1-Trichloroethane	ND 100	Toluene	700 100
Carbon tetrachloride	ND 100	Chlorobenzene	ND 100
Vinyl acetate	ND 1000	Ethylbenzene	910 100
Dichlorobromomethane	ND 100	Styrene	ND 100
		Xylenes, total	1300 100

Surrogates	% Recovery
Toluene-D8	99
Bromofluorobenzene	98
1,2-Dichloroethane-D4	105

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-160

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-6S-01

SAMPLE DATE: 04/11/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit			Detection Limit	
Methyl chloride	ND	100	1,2-Dichloropropane	ND	50
Methyl bromide	ND	50	trans-1,3-Dichloropropene	ND	50
Vinyl chloride	ND	100	Trichloroethylene	ND	50
Chloroethane	ND	100	Chlorodibromomethane	ND	50
Methylene chloride	ND	50	1,1,2-Trichloroethane	ND	50
Acetone	ND	1000	Benzene	340	50
Carbon disulfide	ND	50	cis-1,3-Dichloropropene	ND	50
1,1-Dichloroethylene	ND	50	2-Chloroethylvinyl ether	ND	100
1,1-Dichloroethane	ND	50	Bromoform	ND	50
trans-1,2-Dichloroethylene	ND	50	2-Hexanone	ND	500
Chloroform	ND	50	4-Methyl-2-pentanone	ND	500
1,2-Dichloroethane	ND	50	Tetrachloroethylene	ND	50
-Butanone	ND	1000	1,1,2,2-Tetrachloroethane	ND	50
1,1,1-Trichloroethane	ND	50	Toluene	ND	50
Carbon tetrachloride	ND	50	Chlorobenzene	ND	50
Vinyl acetate	ND	500	Ethylbenzene	ND	50
Dichlorobromomethane	ND	50	Styrene	ND	50
			Xylenes, total	1600	50

Surrogates	% Recovery
Toluene-D8	109
Bromofluorobenzene	113
1,2-Dichloroethane-D4	96

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-6D-01

SAMPLE DATE: 04/11/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	ND 10	1,2-Dichloropropane	ND 5.0
Methyl bromide	ND 5.0	trans-1,3-Dichloropropene	ND 5.0
Vinyl chloride	ND 10	Trichloroethylene	ND 5.0
Chloroethane	ND 10	Chlorodibromomethane	ND 5.0
Methylene chloride	ND 5.0	1,1,2-Trichloroethane	ND 5.0
Acetone	ND 100	Benzene	ND 5.0
Carbon disulfide	ND 5.0	cis-1,3-Dichloropropene	ND 5.0
1,1-Dichloroethylene	ND 5.0	2-Chloroethylvinyl ether	ND 10
1,1-Dichloroethane	ND 5.0	Bromoform	ND 5.0
trans-1,2-Dichloroethylene	ND 5.0	2-Hexanone	ND 50
Chloroform	ND 5.0	4-Methyl-2-pentanone	ND 50
1,2-Dichloroethane	ND 5.0	Tetrachloroethylene	ND 5.0
2-Butanone	ND 100	1,1,2,2-Tetrachloroethane	ND 5.0
1,1,1-Trichloroethane	ND 5.0	Toluene	ND 5.0
Carbon tetrachloride	ND 5.0	Chlorobenzene	ND 5.0
Vinyl acetate	ND 50	Ethylbenzene	ND 5.0
Dichlorobromomethane	ND 5.0	Styrene	ND 5.0
		Xylenes, total	ND 5.0

Surrogates	% Recovery
Toluene-D8	104
Bromofluorobenzene	106
1,2-Dichloroethane-D4	97

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: 80-04-160

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-7-01

SAMPLE DATE: 04/11/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit			Detection Limit	
Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	ND	100	Benzene	ND	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	ND	5.0	Tetrachloroethylene	ND	5.0
Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	ND	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	ND	5.0
Dichlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	ND	5.0

Surrogates	% Recovery
Toluene-D8	99
Bromofluorobenzene	102
1,2-Dichloroethane-D4	106

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-8-01

SAMPLE DATE: 04/11/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

Detection
LimitDetection
Limit

Methyl chloride	ND	100	1,2-Dichloropropane	ND	50
Methyl bromide	ND	50	trans-1,3-Dichloropropene	ND	50
Vinyl chloride	ND	100	Trichloroethylene	ND	50
Chloroethane	ND	100	Chlorodibromomethane	ND	50
Methylene chloride	ND	50	1,1,2-Trichloroethane	ND	50
Acetone	ND	1000	Benzene	26000	50
Carbon disulfide	ND	50	cis-1,3-Dichloropropene	ND	50
1,1-Dichloroethylene	ND	50	2-Chloroethylvinyl ether	ND	100
1,1-Dichloroethane	ND	50	Bromoform	ND	50
trans-1,2-Dichloroethylene	ND	50	2-Hexanone	ND	500
Chloroform	ND	50	4-Methyl-2-pentanone	ND	500
1,2-Dichloroethane	ND	50	Tetrachloroethylene	ND	50
2-Butanone	ND	1000	1,1,2,2-Tetrachloroethane	ND	50
1,1,1-Trichloroethane	ND	50	Toluene	1700	50
Carbon tetrachloride	ND	50	Chlorobenzene	ND	50
Vinyl acetate	ND	500	Ethylbenzene	ND	50
Dichlorobromomethane	ND	50	Styrene	ND	50
			Xylenes, total	5400	50

Surrogates	% Recovery
Toluene-D8	104
Bromofluorobenzene	115
1,2-Dichloroethane-D4	103

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-161

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-9S-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/27/90

Results in ug/L:

	Detection Limit			Detection Limit	
Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	ND	100	Benzene	ND	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	ND	5.0	Tetrachloroethylene	ND	5.0
2-Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	ND	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	ND	5.0
Dichlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	ND	5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	106
1,2-Dichloroethane-D4	105

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/11/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-04-161

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-9S-01-D

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/27/90

Results in ug/L:

	Detection Limit			Detection Limit	
Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	110	100	Benzene	ND	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	ND	5.0	Tetrachloroethylene	ND	5.0
2-Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	ND	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	ND	5.0
Dichlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	ND	5.0

Surrogates	% Recovery
Toluene-D8	101
Bromofluorobenzene	103
1,2-Dichloroethane-D4	107

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-9D-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit			Detection Limit	
Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	ND	100	Benzene	21	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	ND	5.0	Tetrachloroethylene	ND	5.0
Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	20	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	7.0	5.0
Dichlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	46	5.0

Surrogates	% Recovery
Toluene-D8	98
Bromofluorobenzene	100
1,2-Dichloroethane-D4	103

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-180

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-10-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	ND 10	1,2-Dichloropropane	ND 5.0
Methyl bromide	ND 5.0	trans-1,3-Dichloropropene	ND 5.0
Vinyl chloride	ND 10	Trichloroethylene	ND 5.0
Chloroethane	ND 10	Chlorodibromomethane	ND 5.0
Methylene chloride	ND 5.0	1,1,2-Trichloroethane	ND 5.0
Acetone	ND 100	Benzene	13 5.0
Carbon disulfide	ND 5.0	cis-1,3-Dichloropropene	ND 5.0
1,1-Dichloroethylene	ND 5.0	2-Chloroethylvinyl ether	ND 10
1,1-Dichloroethane	ND 5.0	Bromoform	ND 5.0
trans-1,2-Dichloroethylene	ND 5.0	2-Hexanone	ND 50
Chloroform	ND 5.0	4-Methyl-2-pentanone	ND 50
1,2-Dichloroethane	ND 5.0	Tetrachloroethylene	ND 5.0
2-Butanone	ND 100	1,1,2,2-Tetrachloroethane	ND 5.0
1,1,1-Trichloroethane	ND 5.0	Toluene	ND 5.0
Carbon tetrachloride	ND 5.0	Chlorobenzene	ND 5.0
Vinyl acetate	ND 50	Ethylbenzene	5.7 5.0
Dichlorobromomethane	ND 5.0	Styrene	ND 5.0
		Xylenes, total	28 5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	100
1,2-Dichloroethane-D4	99

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-180

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-11-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit			Detection Limit	
Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	ND	100	Benzene	2800	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	12	5.0	Tetrachloroethylene	ND	5.0
Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	ND	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	ND	5.0
Dichlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	ND	5.0

Surrogates	% Recovery
Toluene-D8	98
Bromofluorobenzene	101
1,2-Dichloroethane-D4	103

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-12-01

SAMPLE DATE: 04/11/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	ND 10	1,2-Dichloropropane	ND 5.0
Methyl bromide	ND 5.0	trans-1,3-Dichloropropene	ND 5.0
Vinyl chloride	ND 10	Trichloroethylene	ND 5.0
Chloroethane	ND 10	Chlorodibromomethane	ND 5.0
Methylene chloride	ND 5.0	1,1,2-Trichloroethane	ND 5.0
Acetone	ND 100	Benzene	ND 5.0
Carbon disulfide	ND 5.0	cis-1,3-Dichloropropene	ND 5.0
1,1-Dichloroethylene	ND 5.0	2-Chloroethylvinyl ether	ND 10
1,1-Dichloroethane	ND 5.0	Bromoform	ND 5.0
trans-1,2-Dichloroethylene	ND 5.0	2-Hexanone	ND 50
Chloroform	ND 5.0	4-Methyl-2-pentanone	ND 50
1,2-Dichloroethane	ND 5.0	Tetrachloroethylene	ND 5.0
2-Butanone	ND 100	1,1,2,2-Tetrachloroethane	ND 5.0
1,1,1-Trichloroethane	ND 5.0	Toluene	ND 5.0
Carbon tetrachloride	ND 5.0	Chlorobenzene	ND 5.0
Vinyl acetate	ND 50	Ethylbenzene	ND 5.0
Dichlorobromomethane	ND 5.0	Styrene	ND 5.0
		Xylenes, total	ND 5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	103
1,2-Dichloroethane-D4	104

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-180

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-13-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	ND 10	1,2-Dichloropropane	ND 5.0
Methyl bromide	ND 5.0	trans-1,3-Dichloropropene	ND 5.0
vinyl chloride	ND 10	Trichloroethylene	ND 5.0
Chloroethane	ND 10	Chlorodibromomethane	ND 5.0
Methylene chloride	ND 5.0	1,1,2-Trichloroethane	ND 5.0
Acetone	ND 100	Benzene	ND 5.0
Carbon disulfide	ND 5.0	cis-1,3-Dichloropropene	ND 5.0
1,1-Dichloroethylene	ND 5.0	2-Chloroethylvinyl ether	ND 10
1,1-Dichloroethane	ND 5.0	Bromoform	ND 5.0
trans-1,2-Dichloroethylene	ND 5.0	2-Hexanone	ND 50
Chloroform	ND 5.0	4-Methyl-2-pentanone	ND 50
1,2-Dichloroethane	ND 5.0	Tetrachloroethylene	ND 5.0
Butanone	ND 100	1,1,2,2-Tetrachloroethane	ND 5.0
1,1,1-Trichloroethane	ND 5.0	Toluene	ND 5.0
Carbon tetrachloride	ND 5.0	Chlorobenzene	ND 5.0
vinyl acetate	ND 50	Ethylbenzene	ND 5.0
Chlorobromomethane	ND 5.0	Styrene	ND 5.0
		Xylenes, total	ND 5.0

Surrogates	% Recovery
Toluene-D8	103
Bromofluorobenzene	106
1,2-Dichloroethane-D4	97

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-180

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: RG-US-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

Detection
LimitDetection
Limit

Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	ND	100	Benzene	ND	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	ND	5.0	Tetrachloroethylene	ND	5.0
2-Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	ND	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	ND	5.0
Dichlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	ND	5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	101
1,2-Dichloroethane-D4	93

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/16/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: BO-04-181

TEST NAME: HAZARDOUS SUBSTANCE VOL3

SAMPLE ID: RG-DS-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit			Detection Limit	
Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	ND	100	Benzene	ND	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	ND	5.0	Tetrachloroethylene	ND	5.0
Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	ND	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	ND	5.0
Chlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	ND	5.0

Surrogates	% Recovery
Toluene-D8	102
Bromofluorobenzene	100
1,2-Dichloroethane-D4	98

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/16/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: 80-04-181

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: RG-MS-01

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit			Detection Limit	
Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	ND	100	Benzene	ND	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	ND	5.0	Tetrachloroethylene	ND	5.0
Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	ND	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	ND	5.0
Dichlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	ND	5.0

Surrogates	% Recovery
Toluene-D8	105
Bromofluorobenzene	104
1,2-Dichloroethane-D4	102

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-180

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: S. STERN

SAMPLE DATE: 04/13/90

ANALYSIS DATE: 04/25/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	ND 10	1,2-Dichloropropane	ND 5.0
Methyl bromide	ND 5.0	trans-1,3-Dichloropropene	ND 5.0
Vinyl chloride	ND 10	Trichloroethylene	ND 5.0
Chloroethane	ND 10	Chlorodibromomethane	ND 5.0
Methylene chloride	ND 5.0	1,1,2-Trichloroethane	ND 5.0
Acetone	ND 100	Benzene	ND 5.0
Carbon disulfide	ND 5.0	cis-1,3-Dichloropropene	ND 5.0
1,1-Dichloroethylene	ND 5.0	2-Chloroethylvinyl ether	ND 10
1,1-Dichloroethane	ND 5.0	Bromoform	ND 5.0
trans-1,2-Dichloroethylene	ND 5.0	2-Hexanone	ND 50
Chloroform	ND 5.0	4-Methyl-2-pentanone	ND 50
1,2-Dichloroethane	ND 5.0	Tetrachloroethylene	ND 5.0
2-Butanone	ND 100	1,1,2,2-Tetrachloroethane	ND 5.0
1,1,1-Trichloroethane	ND 5.0	Toluene	ND 5.0
Carbon tetrachloride	ND 5.0	Chlorobenzene	ND 5.0
Vinyl acetate	ND 50	Ethylbenzene	ND 5.0
Dichlorobromomethane	ND 5.0	Styrene	ND 5.0
		Xylenes, total	ND 5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	103
1,2-Dichloroethane-D4	95

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-1-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/24/90

ANALYSIS DATE: 08/17/90

	Results in		ug/L:		Detection	
	Detection	Limit			Limit	
Phenol	U	10	2,6-Dinitrotoluene	U	10	
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U	50	
2-Chlorophenol	U	10	Acenaphthene	U	10	
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U	50	
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U	50	
Benzyl alcohol	U	20	Dibenzofuran	U	10	
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U	10	
2-Methylphenol	U	10	Diethylphthalate	U	10	
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U	10	
4-Methylphenol	U	10	Fluorene	U	10	
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U	50	
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U	50	
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U	10	
Isophorone	U	10	4-Bromophenyl-phenylether	U	10	
2-Nitrophenol	U	10	Hexachlorobenzene	U	10	
2,4-Dimethylphenol	U	10	Pentachlorophenol	U	50	
Benzoic Acid	U	50	Phenanthrene	U	10	
bis(2-Chloroethoxy)methane	U	10	Anthracene	U	10	
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	4JB	10	
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U	10	
Naphthalene	U	10	Pyrene	U	10	
4-Chloroaniline	U	20	Butylbenzylphthalate	U	10	
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20	
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U	10	
2-Methylnaphthalene	U	10	Chrysene	U	10	
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	2JB	10	
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10	
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U	10	
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U	10	
2-Nitroaniline	U	50	Benzo(a)pyrene	U	10	
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U	10	
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U	10	
			Benzo(g,h,i)perylene	U	10	

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-2-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/24/90

ANALYSIS DATE: 08/02/90

	Results in		ug/L:	Detection	
	Limit			Limit	
Phenol	U	10	2,6-Dinitrotoluene	U	10
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U	50
2-Chlorophenol	U	10	Acenaphthene	U	10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U	50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U	50
Benzyl alcohol	U	20	Dibenzofuran	U	10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U	10
2-Methylphenol	U	10	Diethylphthalate	U	10
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U	10
4-Methylphenol	U	10	Fluorene	U	10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U	50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U	50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U	10
Isophorone	U	10	4-Bromophenyl-phenylether	U	10
2-Nitrophenol	U	10	Hexachlorobenzene	U	10
2,4-Dimethylphenol	U	10	Pentachlorophenol	U	50
Benzoic Acid	U	50	Phenanthrene	U	10
bis(2-Chloroethoxy)methane	U	10	Anthracene	U	10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	4JB	10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U	10
Naphthalene	U	10	Pyrene	U	10
4-Chloroaniline	U	20	Butylbenzylphthalate	U	10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U	10
2-Methylnaphthalene	U	10	Chrysene	U	10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	2JB	10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U	10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U	10
2-Nitroaniline	U	50	Benzo(a)pyrene	U	10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U	10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U	10
			Benzo(g,h,i)perylene	U	10

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-3S-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/24/90

ANALYSIS DATE: 08/02/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	U	10	2,6-Dinitrotoluene	U	10	
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U	50	
2-Chlorophenol	U	10	Acenaphthene	U	10	
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U	50	
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U	50	
Benzyl alcohol	U	20	Dibenzofuran	U	10	
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U	10	
2-Methylphenol	U	10	Diethylphthalate	U	10	
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U	10	
4-Methylphenol	U	10	Fluorene	U	10	
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U	50	
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U	50	
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U	10	
Isophorone	U	10	4-Bromophenyl-phenylether	U	10	
2-Nitrophenol	U	10	Hexachlorobenzene	U	10	
2,4-Dimethylphenol	U	10	Pentachlorophenol	U	50	
Benzoic Acid	U	50	Phenanthrene	U	10	
bis(2-Chloroethoxy)methane	U	10	Anthracene	U	10	
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	5JB	10	
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U	10	
Naphthalene	U	10	Pyrene	U	10	
4-Chloroaniline	U	20	Butylbenzylphthalate	U	10	
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20	
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U	10	
2-Methylnaphthalene	U	10	Chrysene	U	10	
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	2JB	10	
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10	
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U	10	
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U	10	
2-Nitroaniline	U	50	Benzo(a)pyrene	U	10	
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U	10	
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U	10	
			Benzo(g,h,i)perylene	U	10	

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-3D-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/24/90

ANALYSIS DATE: 08/02/90

	Results in		ug/L:	Detection	
	Limit			Limit	
Phenol	U	10	2,6-Dinitrotoluene	U	10
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U	50
2-Chlorophenol	U	10	Acenaphthene	U	10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U	50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U	50
Benzyl alcohol	U	20	Dibenzofuran	U	10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U	10
2-Methylphenol	U	10	Diethylphthalate	U	10
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U	10
4-Methylphenol	U	10	Fluorene	U	10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U	50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U	50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U	10
Isophorone	U	10	4-Bromophenyl-phenylether	U	10
2-Nitrophenol	U	10	Hexachlorobenzene	U	10
2,4-Dimethylphenol	U	10	Pentachlorophenol	U	50
Benzoic Acid	U	50	Phenanthrene	U	10
bis(2-Chloroethoxy)methane	U	10	Anthracene	U	10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	3JB	10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U	10
Naphthalene	U	10	Pyrene	U	10
4-Chloroaniline	U	20	Butylbenzylphthalate	U	10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U	10
2-Methylnaphthalene	U	10	Chrysene	U	10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	2JB	10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U	10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U	10
2-Nitroaniline	U	50	Benzo(a)pyrene	U	10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U	10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U	10
			Benzo(g,h,i)perylene	U	10

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-4-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/24/90

ANALYSIS DATE: 08/02/90

Results in ug/L:
Detection
Limit

Detection
Limit

Phenol	U	10	2,6-Dinitrotoluene	U	10
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U	50
2-Chlorophenol	U	10	Acenaphthene	U	10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U	50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U	50
Benzyl alcohol	U	20	Dibenzofuran	2J	10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U	10
2-Methylphenol	U	10	Diethylphthalate	U	10
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U	10
4-Methylphenol	U	10	Fluorene	1J	10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U	50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U	50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U	10
Isophorone	U	10	4-Bromophenyl-phenylether	U	10
2-Nitrophenol	U	10	Hexachlorobenzene	U	10
2,4-Dimethylphenol	3J	10	Pentachlorophenol	U	50
Benzoic Acid	U	50	Phenanthrene	U	10
bis(2-Chloroethoxy)methane	U	10	Anthracene	U	10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	4JB	10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U	10
Naphthalene	52	10	Pyrene	U	10
4-Chloroaniline	U	20	Butylbenzylphthalate	U	10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U	10
2-Methylnaphthalene	59	10	Chrysene	U	10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	1JB	10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U	10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U	10
2-Nitroaniline	U	50	Benzo(a)pyrene	U	10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U	10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U	10
			Benzo(g,h,i)perylene	U	10

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-5-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/24/90

ANALYSIS DATE: 08/17/90

	Results in	ug/L:		Detection
	Detection			Limit
	Limit			
Phenol	U	50	2,6-Dinitrotoluene	U 50
Bis(2-Chloroethyl)ether	U	50	3-Nitroaniline	U 250
2-Chlorophenol	U	50	Acenaphthene	U 50
1,3-Dichlorobenzene	U	50	2,4-Dinitrophenol	U 250
1,4-Dichlorobenzene	U	50	4-Nitrophenol	U 250
Benzyl alcohol	U	100	Dibenzofuran	U 50
1,2-Dichlorobenzene	U	50	2,4-Dinitrotoluene	U 50
2-Methylphenol	U	50	Diethylphthalate	U 50
Bis(2-Chloroisopropyl)ether	U	50	4-Chlorophenyl-phenylether	U 50
4-Methylphenol	12J	50	Fluorene	U 50
N-Nitroso-di-n-propylamine	U	50	4-Nitroaniline	U 250
Hexachloroethane	U	50	4,6-Dinitro-2-methylphenol	U 250
Nitrobenzene	U	50	N-Nitrosodiphenylamine	U 50
Isophorone	U	50	4-Bromophenyl-phenylether	U 50
2-Nitrophenol	U	50	Hexachlorobenzene	U 50
2,4-Dimethylphenol	8J	50	Pentachlorophenol	U 250
Benzoic Acid	U	250	Phenanthrene	U 50
Bis(2-Chloroethoxy)methane	U	50	Anthracene	U 50
2,4-Dichlorophenol	U	50	Di-n-butylphthalate	4JB 50
1,2,4-Trichlorobenzene	U	50	Fluoranthene	U 50
Naphthalene	120	50	Pyrene	U 50
4-Chloroaniline	U	100	Butylbenzylphthalate	U 50
Hexachlorobutadiene	U	50	3,3'-Dichlorobenzidine	U 100
4-Chloro-3-methylphenol	U	100	Benzo(a)anthracene	U 50
2-Methylnaphthalene	58	50	Chrysene	U 50
Hexachlorocyclopentadiene	U	50	bis(2-Ethylhexyl)phthalate	U 50
2,4,6-Trichlorophenol	U	50	Di-n-octylphthalate	U 50
2,4,5-Trichlorophenol	U	50	Benzo(b)fluoranthene	U 50
2-Chloronaphthalene	U	50	Benzo(k)fluoranthene	U 50
2-Nitroaniline	U	250	Benzo(a)pyrene	U 50
Dimethylphthalate	U	50	Indeno(1,2,3-cd)pyrene	U 50
Acenaphthylene	U	50	Dibenzo(a,h)anthracene	U 50
			Benzo(g,h,i)perylene	U 50

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-6S-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/25/90

ANALYSIS DATE: 08/17/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	U	200	2,6-Dinitrotoluene	U	200	
bis(2-Chloroethyl)ether	U	200	3-Nitroaniline	U	1000	
2-Chlorophenol	U	200	Acenaphthene	51J	200	
1,3-Dichlorobenzene	U	200	2,4-Dinitrophenol	U	1000	
1,4-Dichlorobenzene	U	200	4-Nitrophenol	U	1000	
Benzyl alcohol	U	400	Dibenzofuran	U	200	
1,2-Dichlorobenzene	U	200	2,4-Dinitrotoluene	U	200	
2-Methylphenol	U	200	Diethylphthalate	U	200	
bis(2-Chloroisopropyl)ether	U	200	4-Chlorophenyl-phenylether	U	200	
4-Methylphenol	U	200	Fluorene	150J	200	
N-Nitroso-di-n-propylamine	U	200	4-Nitroaniline	U	1000	
Hexachloroethane	U	200	4,6-Dinitro-2-methylphenol	U	1000	
Nitrobenzene	U	200	N-Nitrosodiphenylamine	U	200	
Isophorone	U	200	4-Bromophenyl-phenylether	U	200	
2-Nitrophenol	U	200	Hexachlorobenzene	U	200	
2,4-Dimethylphenol	540	200	Pentachlorophenol	U	1000	
Benzoic Acid	U	1000	Phenanthrene	490	200	
bis(2-Chloroethoxy)methane	U	200	Anthracene	75J	200	
2,4-Dichlorophenol	U	200	Di-n-butylphthalate	U	200	
1,2,4-Trichlorobenzene	U	200	Fluoranthene	U	200	
Naphthalene	98J	200	Pyrene	210	200	
4-Chloroaniline	U	400	Butylbenzylphthalate	U	200	
Hexachlorobutadiene	U	200	3,3'-Dichlorobenzidine	U	400	
4-Chloro-3-methylphenol	U	400	Benzo(a)anthracene	U	200	
2-Methylnaphthalene	250	200	Chrysene	U	200	
Hexachlorocyclopentadiene	U	200	bis(2-Ethylhexyl)phthalate	U	200	
2,4,6-Trichlorophenol	U	200	Di-n-octylphthalate	U	200	
2,4,5-Trichlorophenol	U	200	Benzo(b)fluoranthene	U	200	
2-Chloronaphthalene	U	200	Benzo(k)fluoranthene	U	200	
2-Nitroaniline	U	1000	Benzo(a)pyrene	U	200	
Dimethylphthalate	U	200	Indeno(1,2,3-cd)pyrene	U	200	
Acenaphthylene	U	200	Dibenzo(a,h)anthracene	U	200	
			Benzo(g,h,i)perylene	U	200	

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-205

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-6S-02-D

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/25/90

ANALYSIS DATE: 08/07/90

	Results in		ug/L:		Detection	
	Detection				Limit	
		Limit				
Phenol	U	50	2,6-Dinitrotoluene	U	50	
Bis(2-Chloroethyl)ether	U	50	3-Nitroaniline	U	250	
2-Chlorophenol	U	50	Acenaphthene	U	50	
1,3-Dichlorobenzene	U	50	2,4-Dinitrophenol	U	250	
1,4-Dichlorobenzene	U	50	4-Nitrophenol	U	250	
Benzyl alcohol	U	100	Dibenzofuran	U	50	
1,2-Dichlorobenzene	U	50	2,4-Dinitrotoluene	U	50	
2-Methylphenol	U	50	Diethylphthalate	U	50	
Bis(2-Chloroisopropyl)ether	U	50	4-Chlorophenyl-phenylether	U	50	
4-Methylphenol	U	50	Fluorene	U	50	
N-Nitroso-di-n-propylamine	U	50	4-Nitroaniline	U	250	
Hexachloroethane	U	50	4,6-Dinitro-2-methylphenol	U	250	
Nitrobenzene	U	50	N-Nitrosodiphenylamine	U	50	
Isophorone	U	50	4-Bromophenyl-phenylether	U	50	
2-Nitrophenol	U	50	Hexachlorobenzene	U	50	
2,4-Dimethylphenol	590	50	Pentachlorophenol	U	250	
Benzoic Acid	U	250	Phenanthrene	U	50	
Bis(2-Chloroethoxy)methane	U	50	Anthracene	U	50	
2,4-Dichlorophenol	U	50	Di-n-butylphthalate	6JB	50	
1,2,4-Trichlorobenzene	U	50	Fluoranthene	U	50	
Naphthalene	12J	50	Pyrene	U	50	
4-Chloroaniline	U	100	Butylbenzylphthalate	U	50	
Hexachlorobutadiene	U	50	3,3'-Dichlorobenzidine	U	100	
4-Chloro-3-methylphenol	U	100	Benzo(a)anthracene	U	50	
2-Methylnaphthalene	27J	50	Chrysene	U	50	
Hexachlorocyclopentadiene	U	50	bis(2-Ethylhexyl)phthalate	U	50	
2,4,6-Trichlorophenol	U	50	Di-n-octylphthalate	U	50	
2,4,5-Trichlorophenol	U	50	Benzo(b)fluoranthene	U	50	
2-Chloronaphthalene	U	50	Benzo(k)fluoranthene	U	50	
2-Nitroaniline	U	250	Benzo(a)pyrene	U	50	
Dimethylphthalate	U	50	Indeno(1,2,3-cd)pyrene	U	50	
Acenaphthylene	U	50	Dibenzo(a,h)anthracene	U	50	
			Benzo(g,h,i)perylene	U	50	

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-6D-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/25/90

ANALYSIS DATE: 08/07/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	U	10	2,6-Dinitrotoluene	U	10	10
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U	50	50
2-Chlorophenol	U	10	Acenaphthene	U	10	10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U	50	50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U	50	50
Benzyl alcohol	U	20	Dibenzofuran	U	10	10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U	10	10
2-Methylphenol	U	10	Diethylphthalate	U	10	10
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U	10	10
4-Methylphenol	U	10	Fluorene	U	10	10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U	50	50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U	50	50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U	10	10
Isophorone	U	10	4-Bromophenyl-phenylether	U	10	10
2-Nitrophenol	U	10	Hexachlorobenzene	U	10	10
2,4-Dimethylphenol	U	10	Pentachlorophenol	U	50	50
Benzoic Acid	U	50	Phenanthrene	U	10	10
bis(2-Chloroethoxy)methane	U	10	Anthracene	U	10	10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	5JB	10	10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U	10	10
Naphthalene	U	10	Pyrene	U	10	10
4-Chloroaniline	U	20	Butylbenzylphthalate	U	10	10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20	20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U	10	10
2-Methylnaphthalene	U	10	Chrysene	U	10	10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	1JB	10	10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10	10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U	10	10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U	10	10
2-Nitroaniline	U	50	Benzo(a)pyrene	U	10	10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U	10	10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U	10	10
			Benzo(g,h,i)perylene	U	10	10

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-7-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/25/90

ANALYSIS DATE: 08/07/90

	Results in		ug/L:	Detection	
	Limit			Limit	
Phenol	U	10	2,6-Dinitrotoluene	U	10
Bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U	50
2-Chlorophenol	U	10	Acenaphthene	U	10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U	50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U	50
Benzyl alcohol	U	20	Dibenzofuran	U	10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U	10
2-Methylphenol	U	10	Diethylphthalate	U	10
Bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U	10
4-Methylphenol	U	10	Fluorene	2J	10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U	50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U	50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U	10
Isophorone	U	10	4-Bromophenyl-phenylether	U	10
2-Nitrophenol	U	10	Hexachlorobenzene	U	10
2,4-Dimethylphenol	U	10	Pentachlorophenol	U	50
Benzoic Acid	U	50	Phenanthrene	2J	10
Bis(2-Chloroethoxy)methane	U	10	Anthracene	U	10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	5JB	10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U	10
Naphthalene	U	10	Pyrene	U	10
4-Chloroaniline	U	20	Butylbenzylphthalate	U	10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U	10
2-Methylnaphthalene	U	10	Chrysene	U	10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	1JB	10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U	10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U	10
2-Nitroaniline	U	50	Benzo(a)pyrene	U	10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U	10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U	10
			Benzo(g,h,i)perylene	U	10

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-8-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/25/90

ANALYSIS DATE: 08/16/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	110	20	2,6-Dinitrotoluene	U	20	
bis(2-Chloroethyl)ether	U	20	3-Nitroaniline	U	100	
2-Chlorophenol	U	20	Acenaphthene	U	20	
1,3-Dichlorobenzene	U	20	2,4-Dinitrophenol	U	100	
1,4-Dichlorobenzene	U	20	4-Nitrophenol	U	100	
Benzyl alcohol	U	40	Dibenzofuran	U	20	
1,2-Dichlorobenzene	U	20	2,4-Dinitrotoluene	U	20	
2-Methylphenol	110	20	Diethylphthalate	U	20	
bis(2-Chloroisopropyl)ether	U	20	4-Chlorophenyl-phenylether	U	20	
4-Methylphenol	U	20	Fluorene	2J	20	
N-Nitroso-di-n-propylamine	U	20	4-Nitroaniline	U	100	
Hexachloroethane	U	20	4,6-Dinitro-2-methylphenol	U	100	
Nitrobenzene	U	20	N-Nitrosodiphenylamine	U	20	
Isophorone	U	20	4-Bromophenyl-phenylether	U	20	
2-Nitrophenol	U	20	Hexachlorobenzene	U	20	
2,4-Dimethylphenol	99	20	Pentachlorophenol	U	100	
Benzoic Acid	U	100	Phenanthrene	5J	20	
bis(2-Chloroethoxy)methane	U	20	Anthracene	U	20	
2,4-Dichlorophenol	U	20	Di-n-butylphthalate	6JB	20	
1,2,4-Trichlorobenzene	U	20	Fluoranthene	U	20	
Naphthalene	210	20	Pyrene	2J	20	
4-Chloroaniline	U	40	Butylbenzylphthalate	U	20	
Hexachlorobutadiene	U	20	3,3'-Dichlorobenzidine	U	40	
4-Chloro-3-methylphenol	U	40	Benzo(a)anthracene	U	20	
2-Methylnaphthalene	130	20	Chrysene	U	20	
Hexachlorocyclopentadiene	U	20	bis(2-Ethylhexyl)phthalate	U	20	
2,4,6-Trichlorophenol	U	20	Di-n-octylphthalate	U	20	
2,4,5-Trichlorophenol	U	20	Benzo(b)fluoranthene	U	20	
2-Chloronaphthalene	U	20	Benzo(k)fluoranthene	U	20	
2-Nitroaniline	U	100	Benzo(a)pyrene	U	20	
Dimethylphthalate	U	20	Indeno(1,2,3-cd)pyrene	U	20	
Acenaphthylene	U	20	Dibenzo(a,h)anthracene	U	20	
			Benzo(g,h,i)perylene	U	20	

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-204

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-9S-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/25/90

ANALYSIS DATE: 08/07/90

	Results in		ug/L:		Detection	
	Detection				Limit	
		Limit				Limit
Phenol	U	10	2,6-Dinitrotoluene	U		10
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U		50
2-Chlorophenol	U	10	Acenaphthene	U		10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U		50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U		50
Benzyl alcohol	U	20	Dibenzofuran	U		10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U		10
2-Methylphenol	U	10	Diethylphthalate	U		10
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U		10
4-Methylphenol	U	10	Fluorene	U		10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U		50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U		50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U		10
Isophorone	U	10	4-Bromophenyl-phenylether	U		10
2-Nitrophenol	U	10	Hexachlorobenzene	U		10
2,4-Dimethylphenol	U	10	Pentachlorophenol	U		50
Benzoic Acid	U	50	Phenanthrene	U		10
bis(2-Chloroethoxy)methane	U	10	Anthracene	U		10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	4JB		10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U		10
Naphthalene	U	10	Pyrene	U		10
4-Chloroaniline	U	20	Butylbenzylphthalate	U		10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U		20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U		10
2-Methylnaphthalene	U	10	Chrysene	U		10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	1JB		10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U		10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U		10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U		10
2-Nitroaniline	U	50	Benzo(a)pyrene	U		10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U		10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U		10
			Benzo(g,h,i)perylene	U		10

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-204

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-9D-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/25/90

ANALYSIS DATE: 08/07/90

		Results in	ug/L:		Detection
		Detection			Limit
		Limit			
Phenol	U	10	2,6-Dinitrotoluene	U	10
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U	50
2-Chlorophenol	U	10	Acenaphthene	U	10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U	50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U	50
Benzyl alcohol	U	20	Dibenzofuran	U	10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U	10
2-Methylphenol	2J	10	Diethylphthalate	U	10
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U	10
4-Methylphenol	U	10	Fluorene	U	10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U	50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U	50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U	10
Isophorone	U	10	4-Bromophenyl-phenylether	U	10
2-Nitrophenol	U	10	Hexachlorobenzene	U	10
2,4-Dimethylphenol	U	10	Pentachlorophenol	U	50
Benzoic Acid	U	50	Phenanthrene	U	10
bis(2-Chloroethoxy)methane	U	10	Anthracene	U	10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	6JB	10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U	10
Naphthalene	2J	10	Pyrene	U	10
4-Chloroaniline	U	20	Butylbenzylphthalate	U	10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U	10
2-Methylnaphthalene	2J	10	Chrysene	U	10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	2JB	10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U	10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U	10
2-Nitroaniline	U	50	Benzo(a)pyrene	U	10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U	10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U	10
			Benzo(g,h,i)perylene	U	10

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-204

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-10-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/25/90

ANALYSIS DATE: 08/16/90

	Results in		ug/L:	Detection	
	Detection			Limit	
		Limit			Limit
Phenol	U	10	2,6-Dinitrotoluene	U	10
Bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U	50
2-Chlorophenol	U	10	Acenaphthene	U	10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U	50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U	50
Benzyl alcohol	U	20	Dibenzofuran	U	10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U	10
2-Methylphenol	U	10	Diethylphthalate	U	10
Bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U	10
4-Methylphenol	U	10	Fluorene	3J	10
4-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U	50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U	50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U	10
Isophorone	U	10	4-Bromophenyl-phenylether	U	10
2-Nitrophenol	U	10	Hexachlorobenzene	U	10
2,4-Dimethylphenol	4J	10	Pentachlorophenol	U	50
Benzoic Acid	U	50	Phenanthrene	10	10
Bis(2-Chloroethoxy)methane	U	10	Anthracene	U	10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	U	10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U	10
Naphthalene	2J	10	Pyrene	5J	10
4-Chloroaniline	U	20	Butylbenzylphthalate	U	10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U	10
2-Methylnaphthalene	5J	10	Chrysene	U	10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	U	10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U	10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U	10
2-Nitroaniline	U	50	Benzo(a)pyrene	U	10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U	10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U	10
			Benzo(g,h,i)perylene	U	10

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-11-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/25/90

ANALYSIS DATE: 08/16/90

	Results in	ug/L:		Detection
	Detection			Limit
	Limit			
Phenol	U	100	2,6-Dinitrotoluene	U 100
bis(2-Chloroethyl)ether	U	100	3-Nitroaniline	U 500
2-Chlorophenol	U	100	Acenaphthene	U 100
1,3-Dichlorobenzene	U	100	2,4-Dinitrophenol	U 500
1,4-Dichlorobenzene	U	100	4-Nitrophenol	U 500
Benzyl alcohol	U	200	Dibenzofuran	U 100
1,2-Dichlorobenzene	U	100	2,4-Dinitrotoluene	U 100
2-Methylphenol	U	100	Diethylphthalate	U 100
bis(2-Chloroisopropyl)ether	U	100	4-Chlorophenyl-phenylether	U 100
4-Methylphenol	U	100	Fluorene	U 100
N-Nitroso-di-n-propylamine	U	100	4-Nitroaniline	U 500
Hexachloroethane	U	100	4,6-Dinitro-2-methylphenol	U 500
Nitrobenzene	U	100	N-Nitrosodiphenylamine	U 100
Isophorone	U	100	4-Bromophenyl-phenylether	U 100
2-Nitrophenol	U	100	Hexachlorobenzene	U 100
2,4-Dimethylphenol	U	100	Pentachlorophenol	U 500
Benzoic Acid	U	500	Phenanthrene	U 100
bis(2-Chloroethoxy)methane	U	100	Anthracene	U 100
2,4-Dichlorophenol	U	100	Di-n-butylphthalate	U 100
1,2,4-Trichlorobenzene	U	100	Fluoranthene	U 100
Naphthalene	U	100	Pyrene	U 100
4-Chloroaniline	U	200	Butylbenzylphthalate	U 100
Hexachlorobutadiene	U	100	3,3'-Dichlorobenzidine	U 200
4-Chloro-3-methylphenol	U	200	Benzo(a)anthracene	U 100
2-Methylnaphthalene	9J	100	Chrysene	U 100
Hexachlorocyclopentadiene	U	100	bis(2-Ethylhexyl)phthalate	U 100
2,4,6-Trichlorophenol	U	100	Di-n-octylphthalate	U 100
2,4,5-Trichlorophenol	U	100	Benzo(b)fluoranthene	U 100
2-Chloronaphthalene	U	100	Benzo(k)fluoranthene	U 100
2-Nitroaniline	U	500	Benzo(a)pyrene	U 100
Dimethylphthalate	U	100	Indeno(1,2,3-cd)pyrene	U 100
Acenaphthylene	U	100	Dibenzo(a,h)anthracene	U 100
			Benzo(g,h,i)perylene	U 100

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-205

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-12-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/25/90

ANALYSIS DATE: 08/03/90

	Results in		ug/L:		Detection	
	Detection				Limit	
		Limit				Limit
Phenol	U	10	2,6-Dinitrotoluene	U		10
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U		50
2-Chlorophenol	U	10	Acenaphthene	U		10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U		50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U		50
Benzyl alcohol	U	20	Dibenzofuran	U		10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U		10
2-Methylphenol	U	10	Diethylphthalate	U		10
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U		10
4-Methylphenol	U	10	Fluorene	U		10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U		50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U		50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U		10
Isophorone	U	10	4-Bromophenyl-phenylether	U		10
2-Nitrophenol	U	10	Hexachlorobenzene	U		10
2,4-Dimethylphenol	U	10	Pentachlorophenol	U		50
Benzoic Acid	U	50	Phenanthrene	U		10
bis(2-Chloroethoxy)methane	U	10	Anthracene	U		10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	4BJ		10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U		10
Naphthalene	U	10	Pyrene	U		10
4-Chloroaniline	U	20	Butylbenzylphthalate	U		10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U		20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U		10
2-Methylnaphthalene	U	10	Chrysene	U		10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	U		10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U		10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U		10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U		10
2-Nitroaniline	U	50	Benzo(a)pyrene	U		10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U		10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U		10
			Benzo(g,h,i)perylene	U		10

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: MW-13-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/24/90

ANALYSIS DATE: 08/02/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	U	10	2,6-Dinitrotoluene	U	10	
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U	50	
2-Chlorophenol	U	10	Acenaphthene	U	10	
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U	50	
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U	50	
Benzyl alcohol	U	20	Dibenzofuran	U	10	
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U	10	
2-Methylphenol	U	10	Diethylphthalate	U	10	
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U	10	
4-Methylphenol	U	10	Fluorene	U	10	
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U	50	
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U	50	
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U	10	
Isophorone	U	10	4-Bromophenyl-phenylether	U	10	
2-Nitrophenol	U	10	Hexachlorobenzene	U	10	
2,4-Dimethylphenol	U	10	Pentachlorophenol	U	50	
Benzoic Acid	U	50	Phenanthrene	U	10	
bis(2-Chloroethoxy)methane	U	10	Anthracene	U	10	
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	6JB	10	
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U	10	
Naphthalene	U	10	Pyrene	U	10	
4-Chloroaniline	U	20	Butylbenzylphthalate	U	10	
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20	
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U	10	
2-Methylnaphthalene	U	10	Chrysene	U	10	
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	U	10	
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10	
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U	10	
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U	10	
2-Nitroaniline	U	50	Benzo(a)pyrene	U	10	
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U	10	
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U	10	
			Benzo(g,h,i)perylene	U	10	

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-205

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: LAB BLANK 1

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/24/90

ANALYSIS DATE: 08/06/90

	Results in	ug/L:		Detection
	Detection			Limit
	Limit			
Phenol	U	10	2,6-Dinitrotoluene	U 10
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U 50
2-Chlorophenol	U	10	Acenaphthene	U 10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U 50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U 50
Benzyl alcohol	U	20	Dibenzofuran	U 10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U 10
2-Methylphenol	U	10	Diethylphthalate	U 10
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U 10
4-Methylphenol	U	10	Fluorene	U 10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U 50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U 50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U 10
Isophorone	U	10	4-Bromophenyl-phenylether	U 10
2-Nitrophenol	U	10	Hexachlorobenzene	U 10
2,4-Dimethylphenol	U	10	Pentachlorophenol	U 50
Benzoic Acid	U	50	Phenanthrene	U 10
bis(2-Chloroethoxy)methane	U	10	Anthracene	U 10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	6J 10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U 10
Naphthalene	U	10	Pyrene	U 10
4-Chloroaniline	U	20	Butylbenzylphthalate	U 10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U 20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U 10
2-Methylnaphthalene	U	10	Chrysene	U 10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	1J 10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U 10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U 10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U 10
2-Nitroaniline	U	50	Benzo(a)pyrene	U 10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U 10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U 10
			Benzo(g,h,i)perylene	U 10

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: RG-US-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/24/90

ANALYSIS DATE: 08/02/90

	Results in		ug/L:	Detection	
	Limit			Limit	
Phenol	U	10	2,6-Dinitrotoluene	U	10
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U	50
2-Chlorophenol	U	10	Acenaphthene	U	10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U	50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U	50
Benzyl alcohol	U	20	Dibenzofuran	U	10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U	10
2-Methylphenol	U	10	Diethylphthalate	U	10
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U	10
4-Methylphenol	U	10	Fluorene	U	10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U	50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U	50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U	10
Isophorone	U	10	4-Bromophenyl-phenylether	U	10
2-Nitrophenol	U	10	Hexachlorobenzene	U	10
2,4-Dimethylphenol	U	10	Pentachlorophenol	U	50
Benzoic Acid	U	50	Phenanthrene	U	10
bis(2-Chloroethoxy)methane	U	10	Anthracene	U	10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	3JB	10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U	10
Naphthalene	U	10	Pyrene	U	10
4-Chloroaniline	U	20	Butylbenzylphthalate	U	10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U	20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U	10
2-Methylnaphthalene	U	10	Chrysene	U	10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	2JB	10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U	10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U	10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U	10
2-Nitroaniline	U	50	Benzo(a)pyrene	U	10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U	10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U	10
			Benzo(g,h,i)perylene	U	10

Company: EDER ASSOCIATES

Date: 03/21/90

Client Work ID: PEXENE-OLD BRICKLAND PHASE I

Work Order: 80-07-203

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: RG-103-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/24/90

ANALYSIS DATE: 08/02/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	U	10	2,6-Dinitrotoluene	U		10
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U		50
2-Chlorophenol	U	10	Acenaphthene	U		10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U		50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U		50
Benzyl alcohol	U	20	Dibenzofuran	U		10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U		10
2-Methylphenol	U	10	Diethylphthalate	U		10
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U		10
4-Methylphenol	U	10	Fluorene	U		10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U		50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U		50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U		10
Isophorone	U	10	4-Bromophenyl-phenylether	U		10
2-Nitrophenol	U	10	Hexachlorobenzene	U		10
2,4-Dimethylphenol	U	10	Pentachlorophenol	U		50
Benzoic Acid	U	50	Phenanthrene	U		10
bis(2-Chloroethoxy)methane	U	10	Anthracene	U		10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	3JB		10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U		10
Naphthalene	U	10	Pyrene	U		10
4-Chloroaniline	U	20	Butylbenzylphthalate	U		10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U		20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U		10
2-Methylnaphthalene	U	10	Chrysene	U		10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	1JB		10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U		10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U		10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U		10
2-Nitroaniline	U	50	Benzo(a)pyrene	U		10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U		10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U		10
			Benzo(g,h,i)perylene	U		10

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: RG-MS-02

SAMPLE DATE: 07/18/90

EXTRACTION DATE: 07/24/90

ANALYSIS DATE: 08/02/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	U	10	2,6-Dinitrotoluene	U		10
bis(2-Chloroethyl)ether	U	10	3-Nitroaniline	U		50
2-Chlorophenol	U	10	Acenaphthene	U		10
1,3-Dichlorobenzene	U	10	2,4-Dinitrophenol	U		50
1,4-Dichlorobenzene	U	10	4-Nitrophenol	U		50
Benzyl alcohol	U	20	Dibenzofuran	U		10
1,2-Dichlorobenzene	U	10	2,4-Dinitrotoluene	U		10
2-Methylphenol	U	10	Diethylphthalate	U		10
bis(2-Chloroisopropyl)ether	U	10	4-Chlorophenyl-phenylether	U		10
4-Methylphenol	U	10	Fluorene	U		10
N-Nitroso-di-n-propylamine	U	10	4-Nitroaniline	U		50
Hexachloroethane	U	10	4,6-Dinitro-2-methylphenol	U		50
Nitrobenzene	U	10	N-Nitrosodiphenylamine	U		10
Isophorone	U	10	4-Bromophenyl-phenylether	U		10
2-Nitrophenol	U	10	Hexachlorobenzene	U		10
2,4-Dimethylphenol	U	10	Pentachlorophenol	U		50
Benzoic Acid	U	50	Phenanthrene	U		10
bis(2-Chloroethoxy)methane	U	10	Anthracene	U		10
2,4-Dichlorophenol	U	10	Di-n-butylphthalate	4JB		10
1,2,4-Trichlorobenzene	U	10	Fluoranthene	U		10
Naphthalene	U	10	Pyrene	U		10
4-Chloroaniline	U	20	Butylbenzylphthalate	U		10
Hexachlorobutadiene	U	10	3,3'-Dichlorobenzidine	U		20
4-Chloro-3-methylphenol	U	20	Benzo(a)anthracene	U		10
2-Methylnaphthalene	U	10	Chrysene	U		10
Hexachlorocyclopentadiene	U	10	bis(2-Ethylhexyl)phthalate	1JB		10
2,4,6-Trichlorophenol	U	10	Di-n-octylphthalate	U		10
2,4,5-Trichlorophenol	U	10	Benzo(b)fluoranthene	U		10
2-Chloronaphthalene	U	10	Benzo(k)fluoranthene	U		10
2-Nitroaniline	U	50	Benzo(a)pyrene	U		10
Dimethylphthalate	U	10	Indeno(1,2,3-cd)pyrene	U		10
Acenaphthylene	U	10	Dibenzo(a,h)anthracene	U		10
			Benzo(g,h,i)perylene	U		10

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-180

SAMPLE ID	MW-2-01	MW-4-01	MW-05-01	
SAMPLED	04/12/90	04/12/90	04/12/90	
TEST				UNITS
ARSENIC by ICP	ND [0.027]	ND [0.027]	0.036 [0.027]	mg/L
SELENIUM by ICP	ND [0.026]	ND [0.026]	ND [0.026]	mg/L
MERCURY	ND [0.0002]	ND [0.0002]	ND [0.0002]	mg/L
SILVER by ICP	ND [0.0050]	0.015 [0.0050]	ND [0.0050]	mg/L
BERYLLIUM by ICP	ND [0.00040]	ND [0.00040]	ND [0.00040]	mg/L
CALCIUM by ICP	1000 [0.10]	300 [0.010]	490 [0.010]	mg/L
CADMIUM by ICP	ND [0.0016]	ND [0.0016]	ND [0.0016]	mg/L
CHROMIUM by ICP	ND [0.0040]	ND [0.0040]	ND [0.0040]	mg/L
COPPER by ICP	ND [0.0020]	ND [0.0020]	ND [0.0020]	mg/L
POTASSIUM by ICP	35 [0.50]	29 [0.50]	18 [0.50]	mg/L
MAGNESIUM by ICP	230 [0.00030]	200 [0.00030]	150 [0.00030]	mg/L
SODIUM by ICP	3300 [0.16]	2500 [0.16]	2700 [0.16]	mg/L
NICKEL by ICP	ND [0.0080]	ND [0.0080]	ND [0.0080]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-180

SAMPLE ID	MW-2-01	MW-4-01	MW-05-01	
SAMPLED	04/12/90	04/12/90	04/12/90	
TEST				UNITS
LEAD	0.053 [0.021]	0.039 [0.021]	0.030 [0.021]	mg/L
ANTIMONY by ICP	0.045 [0.022]	ND [0.022]	0.028 [0.022]	mg/L
THALLIUM by ICP	ND [0.013]	ND [0.013]	ND [0.013]	mg/L
ZINC by ICP	0.029 [0.0013]	0.021 [0.0013]	0.015 [0.0013]	mg/L
SULFATE	2600 [100]	240 [10]	870 [100]	mg/L
CHLORIDE	6500 [1]	4500 [1]	4200 [1]	mg/L
BICARBONATE	610 [1]	1300 [1]	1600 [1]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-180

SAMPLE ID	MW-10-01	MW-11-01	MW-13-01	
SAMPLED	04/12/90	04/12/90	04/12/90	
TEST				UNITS
ARSENIC by ICP	ND [0.027]	0.032 [0.027]	ND [0.027]	mg/L
SELENIUM by ICP	ND [0.026]	ND [0.026]	ND [0.026]	mg/L
MERCURY	ND [0.0002]	ND [0.0002]	ND [0.0002]	mg/L
SILVER by ICP	0.029 [0.0050]	0.041 [0.0050]	ND [0.0050]	mg/L
BERYLLIUM by ICP	ND [0.00040]	ND [0.00040]	ND [0.00040]	mg/L
CALCIUM by ICP	200 [0.010]	100 [0.010]	890 [0.10]	mg/L
CADMIUM by ICP	ND [0.0016]	ND [0.0016]	ND [0.0016]	mg/L
CHROMIUM by ICP	ND [0.0040]	ND [0.0040]	ND [0.0040]	mg/L
COPPER by ICP	ND [0.0020]	0.0068 [0.0020]	ND [0.0020]	mg/L
POTASSIUM by ICP	11 [0.50]	13 [0.50]	40 [0.50]	mg/L
MAGNESIUM by ICP	67 [0.00030]	71 [0.0030]	220 [0.00030]	mg/L
SODIUM by ICP	230 [0.16]	190 [0.16]	4600 [0.16]	mg/L
NICKEL by ICP	ND [0.0080]	0.026 [0.0080]	ND [0.0080]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-180

SAMPLE ID	MW-10-01	MW-11-01	MW-13-01	
SAMPLED	04/12/90	04/12/90	04/12/90	
TEST				UNITS
LEAD	ND [0.021]	0.033 [0.021]	0.043 [0.021]	mg/L
ANTIMONY by ICP	ND [0.022]	ND [0.022]	0.044 [0.022]	mg/L
THALLIUM by ICP	ND [0.013]	ND [0.013]	ND [0.013]	mg/L
ZINC by ICP	0.016 [0.0013]	0.030 [0.0013]	0.027 [0.0013]	mg/L
SULFATE	230 [10]	79 [10]	3600 [100]	mg/L
CHLORIDE	1200 [1]	820 [1]	7300 [1]	mg/L
BICARBONATE	1200 [1]	1700 [1]	450 [1]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-180

SAMPLE ID	S. STERN	RG-US-01	
SAMPLED	04/13/90	04/12/90	
TEST			UNITS
ARSENIC by ICP	ND [0.027]	ND [0.027]	mg/L
SELENIUM by ICP	ND [0.026]	ND [0.026]	mg/L
MERCURY	ND [0.0002]	ND [0.0002]	mg/L
SILVER by ICP	0.046 [0.0050]	0.054 [0.0050]	mg/L
BERYLLIUM by ICP	ND [0.00040]	0.00054 [0.00040]	mg/L
CALCIUM by ICP	110 [0.010]	83 [0.010]	mg/L
CADMIUM by ICP	ND [0.0016]	0.0017 [0.0016]	mg/L
CHROMIUM by ICP	ND [0.0040]	ND [0.0040]	mg/L
COPPER by ICP	ND [0.0020]	0.0027 [0.0020]	mg/L
POTASSIUM by ICP	17 [0.50]	6.6 [0.50]	mg/L
MAGNESIUM by ICP	24 [0.00030]	18 [0.00030]	mg/L
SODIUM by ICP	250 [0.16]	1100 [0.16]	mg/L
NICKEL by ICP	ND [0.0080]	ND [0.0080]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-180

SAMPLE ID	S. STERN	RG-US-01	
SAMPLED	04/13/90	04/12/90	
TEST			UNITS
LEAD	ND [0.021]	ND [0.021]	mg/L
ANTIMONY by ICP	ND [0.022]	ND [0.022]	mg/L
THALLIUM by ICP	ND [0.013]	ND [0.013]	mg/L
ZINC by ICP	0.029 [0.0013]	0.081 [0.0013]	mg/L
SULFATE	300 [10]	240 [10]	mg/L
CHLORIDE	140 [1]	110 [1]	mg/L
BICARBONATE	430 [1]	200 [1]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

SAMPLE ID	MW-6D-01	MW-6S-01	
SAMPLED	04/11/90	04/11/90	
TEST			UNITS
ARSENIC by ICP	ND [0.027]	ND [0.027]	mg/L
SELENIUM by ICP	ND [0.026]	ND [0.026]	mg/L
MERCURY	ND [0.0002]	ND [0.0002]	mg/L
SILVER by ICP	ND [0.0050]	0.0052 [0.0050]	mg/L
BERYLLIUM by ICP	ND [0.00040]	ND [0.00040]	mg/L
CALCIUM by ICP	410 [0.010]	250 [0.010]	mg/L
CADMIUM by ICP	ND [0.0016]	ND [0.0016]	mg/L
CHROMIUM by ICP	ND [0.0040]	ND [0.0040]	mg/L
COPPER by ICP	ND [0.0020]	0.0034 [0.0020]	mg/L
POTASSIUM by ICP	18 [0.50]	14 [0.50]	mg/L
MAGNESIUM by ICP	150 [0.00030]	69 [0.00030]	mg/L
SODIUM by ICP	3400 [0.16]	1300 [0.16]	mg/L
NICKEL by ICP	ND [0.0080]	ND [0.0080]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

SAMPLE ID	MW-6D-01	MW-6S-01	
SAMPLED	04/11/90	04/11/90	
TEST			UNITS
LEAD	0.029 [0.021]	0.025 [0.021]	mg/L
ANTIMONY by ICP	0.023 [0.022]	ND [0.022]	mg/L
THALLIUM by ICP	ND [0.013]	ND [0.013]	mg/L
ZINC by ICP	0.015 [0.0013]	0.014 [0.0013]	mg/L
SULFATE	2400 [100]	410 [10]	mg/L
CHLORIDE	5000 [1]	1400 [1]	mg/L
BICARBONATE	410 [1]	1300 [1]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

SAMPLE ID	MW-12-01	MW-7-01	MW-8-01	
SAMPLED	04/11/90	04/11/90	04/11/90	
TEST				UNITS
ARSENIC by ICP	ND [0.027]	ND [0.027]	0.086 [0.027]	mg/L
SELENIUM by ICP	ND [0.026]	ND [0.026]	ND [0.026]	mg/L
MERCURY	ND [0.0002]	ND [0.0002]	0.0004 [0.0002]	mg/L
SILVER by ICP	ND [0.0050]	0.025 [0.0050]	ND [0.0050]	mg/L
BERYLLIUM by ICP	0.00049 [0.00040]	ND [0.00040]	ND [0.00040]	mg/L
CALCIUM by ICP	990 [0.10]	270 [0.010]	51 [0.010]	mg/L
CADMIUM by ICP	ND [0.0016]	ND [0.0016]	ND [0.0016]	mg/L
CHROMIUM by ICP	ND [0.0040]	ND [0.0040]	ND [0.0040]	mg/L
COPPER by ICP	ND [0.0020]	ND [0.0020]	0.0093 [0.0020]	mg/L
POTASSIUM by ICP	29 [0.50]	14 [0.50]	11 [0.50]	mg/L
MAGNESIUM by ICP	220 [0.00030]	100 [0.00030]	40 [0.00030]	mg/L
SODIUM by ICP	4300 [0.16]	2100 [0.16]	1800 [0.16]	mg/L
NICKEL by ICP	ND [0.0080]	ND [0.0080]	0.021 [0.0080]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

SAMPLE ID	MW-12-01	MW-7-01	MW-8-01	
SAMPLED	04/11/90	04/11/90	04/11/90	
TEST				UNITS
LEAD	ND [0.021]	ND [0.021]	0.037 [0.021]	mg/L
ANTIMONY by ICP	ND [0.022]	ND [0.022]	ND [0.022]	mg/L
THALLIUM by ICP	ND [0.013]	ND [0.013]	ND [0.013]	mg/L
ZINC by ICP	0.031 [0.0013]	0.022 [0.0013]	0.035 [0.0013]	mg/L
SULFATE	2400 [100]	1100 [50]	110 [10]	mg/L
CHLORIDE	7900 [1]	2700 [1]	1300 [1]	mg/L
BICARBONATE	610 [1]	1100 [1]	2500 [1]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

SAMPLE ID	MW-1-01	MW-9D-01	MW-35-01	
SAMPLED	04/12/90	04/12/90	04/11/90	
TEST				UNITS
ARSENIC by ICP	0.039 [0.027]	ND [0.027]	ND [0.027]	mg/L
SELENIUM by ICP	ND [0.026]	ND [0.026]	ND [0.026]	mg/L
MERCURY	ND [0.0002]	ND [0.0002]	ND [0.0002]	mg/L
SILVER by ICP	0.016 [0.0050]	0.015 [0.0050]	0.032 [0.0050]	mg/L
BERYLLIUM by ICP	ND [0.00040]	ND [0.00040]	ND [0.00040]	mg/L
CALCIUM by ICP	79 [0.010]	450 [0.010]	180 [0.010]	mg/L
CADMIUM by ICP	ND [0.0016]	ND [0.0016]	0.0076 [0.0016]	mg/L
CHROMIUM by ICP	ND [0.0040]	ND [0.0040]	ND [0.0040]	mg/L
COPPER by ICP	0.0036 [0.0020]	ND [0.0020]	0.011 [0.0020]	mg/L
POTASSIUM by ICP	4.8 [0.50]	21 [0.50]	12 [0.50]	mg/L
MAGNESIUM by ICP	20 [0.00030]	180 [0.00030]	82 [0.00030]	mg/L
SODIUM by ICP	120 [0.020]	3200 [0.16]	1700 [0.16]	mg/L
NICKEL by ICP	ND [0.0080]	ND [0.0080]	ND [0.0080]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

SAMPLE ID	MW-1-01	MW-9D-01	MW-35-01	
SAMPLED	04/12/90	04/12/90	04/11/90	
TEST				UNITS
LEAD	ND [0.021]	0.023 [0.021]	0.024 [0.021]	mg/L
ANTIMONY by ICP	ND [0.022]	0.031 [0.022]	ND [0.022]	mg/L
THALLIUM by ICP	ND [0.013]	ND [0.013]	ND [0.013]	mg/L
ZINC by ICP	0.016 [0.0013]	0.027 [0.0013]	0.053 [0.0013]	mg/L
SULFATE	120 [10]	1900 [50]	960 [50]	mg/L
CHLORIDE	97 [1]	4800 [1]	2100 [1]	mg/L
BICARBONATE	320 [1]	700 [1]	630 [1]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REYENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-161

SAMPLE ID	MW-9S-01-D	MW-3D-01	MW-9S-01	
SAMPLED	04/12/90	04/11/90	04/12/90	
TEST				UNITS
ARSENIC by ICP	ND [0.027]	ND [0.027]	ND [0.027]	mg/L
SELENIUM by ICP	ND [0.026]	ND [0.026]	ND [0.026]	mg/L
MERCURY	ND [0.0002]	ND [0.0002]	ND [0.0002]	mg/L
SILVER by ICP	0.0097 [0.0050]	ND [0.0050]	0.015 [0.0050]	mg/L
BERYLLIUM by ICP	ND [0.00040]	ND [0.00040]	ND [0.00040]	mg/L
CALCIUM by ICP	200 [0.010]	370 [0.010]	200 [0.010]	mg/L
CADMIUM by ICP	ND [0.0016]	ND [0.0016]	ND [0.0016]	mg/L
CHROMIUM by ICP	ND [0.0040]	ND [0.0040]	ND [0.0040]	mg/L
COPPER by ICP	ND [0.0020]	ND [0.0020]	0.0024 [0.0020]	mg/L
POTASSIUM by ICP	9.1 [0.50]	18 [0.50]	8.6 [0.50]	mg/L
MAGNESIUM by ICP	70 [0.00030]	170 [0.0030]	69 [0.00030]	mg/L
SODIUM by ICP	1200 [0.16]	3400 [0.16]	1200 [0.16]	mg/L
NICKEL by ICP	ND [0.0080]	ND [0.0080]	ND [0.0080]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-04-161

SAMPLE ID	MW-9S-01-D	MW-3D-01	MW-9S-01	
SAMPLED	04/12/90	04/11/90	04/12/90	
TEST				UNITS
LEAD by ICP	ND [0.021]	0.037 [0.021]	ND [0.021]	mg/L
ANTIMONY by ICP	ND [0.022]	0.026 [0.022]	ND [0.022]	mg/L
THALLIUM by ICP	ND [0.013]	ND [0.013]	ND [0.013]	mg/L
ZINC by ICP	0.012 [0.0013]	0.035 [0.0013]	0.029 [0.0013]	mg/L
SULFATE	2100 [100]	2500 [100]	2200 [100]	mg/L
CHLORIDE	650 [1]	5100 [1]	630 [1]	mg/L
BICARBONATE	530 [1]	430 [1]	530 [1]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-181

SAMPLE ID	RG-MS-01	RG-DS-01	
SAMPLED	04/12/90	04/12/90	
TEST			UNITS
ARSENIC by ICP	ND [0.027]	ND [0.027]	mg/L
SELENIUM by ICP	ND [0.026]	ND [0.026]	mg/L
MERCURY	ND [0.0002]	ND [0.0002]	mg/L
SILVER by ICP	0.042 [0.0050]	0.046 [0.0050]	mg/L
BERYLLIUM by ICP	0.0015 [0.00040]	ND [0.00040]	mg/L
CALCIUM by ICP	85 [0.010]	110 [0.10]	mg/L
CADMIUM by ICP	0.0042 [0.0016]	ND [0.0016]	mg/L
CHROMIUM by ICP	ND [0.0040]	ND [0.0040]	mg/L
COPPER by ICP	ND [0.0020]	ND [0.0020]	mg/L
POTASSIUM by ICP	6.0 [0.50]	6.1 [0.50]	mg/L
MAGNESIUM by ICP	19 [0.00030]	83 [0.00030]	mg/L
SODIUM by ICP	120 [0.016]	1100 [0.16]	mg/L
NICKEL by ICP	ND [0.0080]	ND [0.0080]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-04-181

SAMPLE ID	RG-MS-01	RG-DS-01	
SAMPLED	04/12/90	04/12/90	
TEST			UNITS
LEAD	ND [0.021]	ND [0.021]	mg/L
ANTIMONY by ICP	ND [0.022]	ND [0.022]	mg/L
THALLIUM by ICP	ND [0.013]	ND [0.013]	mg/L
ZINC by ICP	0.015 [0.0013]	0.080 [0.0013]	mg/L
SULFATE	230 [10]	240 [10]	mg/L
CHLORIDE	110 [1]	110 [1]	mg/L
BICARBONATE	200 [1]	200 [1]	mg/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

- GROUNDWATER SAMPLING ROUND II (JULY)
VOC, SEMI-VOC, METALS

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

Work Order: B0-07-203

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-1-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/26/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	U 10	1,2-Dichloropropane	U 5.0
Methyl bromide	U 5.0	trans-1,3-Dichloropropene	U 5.0
Vinyl chloride	U 10	Trichloroethylene	U 5.0
Chloroethane	U 10	Chlorodibromomethane	U 5.0
Methylene chloride	U 5.0	1,1,2-Trichloroethane	U 5.0
Acetone	U 100	Benzene	U 5.0
Carbon disulfide	U 5.0	cis-1,3-Dichloropropene	U 5.0
1,1-Dichloroethylene	U 5.0	2-Chloroethylvinyl ether	U 10
1,1-Dichloroethane	U 5.0	Bromoform	U 5.0
trans-1,2-Dichloroethylene	U 5.0	2-Hexanone	U 50
Chloroform	U 5.0	4-Methyl-2-pentanone	U 50
1,2-Dichloroethane	U 5.0	Tetrachloroethylene	U 5.0
2-Butanone	U 100	1,1,2,2-Tetrachloroethane	U 5.0
1,1,1-Trichloroethane	U 5.0	Toluene	U 5.0
Carbon tetrachloride	U 5.0	Chlorobenzene	U 5.0
Vinyl acetate	U 50	Ethylbenzene	U 5.0
Dichlorobromomethane	U 5.0	Styrene	U 5.0
		Xylenes, total	U 5.0

Surrogates	% Recovery
Toluene-D8	101
Bromofluorobenzene	102
1,2-Dichloroethane-D4	93

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-07-203

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-2-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/26/90

Results in ug/L:

Detection
LimitDetection
Limit

Methyl chloride	U	10	1,2-Dichloropropane	U	5.0
Methyl bromide	U	5.0	trans-1,3-Dichloropropene	U	5.0
Vinyl chloride	U	10	Trichloroethylene	U	5.0
Chloroethane	U	10	Chlorodibromomethane	U	5.0
Methylene chloride	U	5.0	1,1,2-Trichloroethane	U	5.0
Acetone	U	100	Benzene	U	5.0
Carbon disulfide	U	5.0	cis-1,3-Dichloropropene	U	5.0
1,1-Dichloroethylene	U	5.0	2-Chloroethylvinyl ether	U	10
1,1-Dichloroethane	U	5.0	Bromoform	U	5.0
trans-1,2-Dichloroethylene	U	5.0	2-Hexanone	U	50
Chloroform	U	5.0	4-Methyl-2-pentanone	U	50
1,2-Dichloroethane	U	5.0	Tetrachloroethylene	U	5.0
2-Butanone	U	100	1,1,2,2-Tetrachloroethane	U	5.0
1,1,1-Trichloroethane	U	5.0	Toluene	U	5.0
Carbon tetrachloride	U	5.0	Chlorobenzene	U	5.0
Vinyl acetate	U	50	Ethylbenzene	U	5.0
Dichlorobromomethane	U	5.0	Styrene	U	5.0
			Xylenes, total	U	5.0

Surrogates	% Recovery
Toluene-D8	102
Bromofluorobenzene	102
1,2-Dichloroethane-D4	97

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REIENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-3S-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/26/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	U 10	1,2-Dichloropropane	U 5.0
Methyl bromide	U 5.0	trans-1,3-Dichloropropene	U 5.0
Vinyl chloride	U 10	Trichloroethylene	U 5.0
Chloroethane	U 10	Chlorodibromomethane	U 5.0
Methylene chloride	U 5.0	1,1,2-Trichloroethane	U 5.0
Acetone	U 100	Benzene	U 5.0
Carbon disulfide	U 5.0	cis-1,3-Dichloropropene	U 5.0
1,1-Dichloroethylene	U 5.0	2-Chloroethylvinyl ether	U 10
1,1-Dichloroethane	U 5.0	Bromoform	U 5.0
trans-1,2-Dichloroethylene	U 5.0	2-Hexanone	U 50
Chloroform	U 5.0	4-Methyl-2-pentanone	U 50
1,2-Dichloroethane	U 5.0	Tetrachloroethylene	U 5.0
2-Butanone	U 100	1,1,2,2-Tetrachloroethane	U 5.0
1,1,1-Trichloroethane	U 5.0	Toluene	U 5.0
Carbon tetrachloride	U 5.0	Chlorobenzene	U 5.0
Vinyl acetate	U 50	Ethylbenzene	U 5.0
Dichlorobromomethane	U 5.0	Styrene	U 5.0
		Xylenes, total	U 5.0

Surrogates	% Recovery
Toluene-D8	102
Bromofluorobenzene	102
1,2-Dichloroethane-D4	94

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-3D-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/26/90

Results in ug/L:

Detection
LimitDetection
Limit

Methyl chloride	U	10	1,2-Dichloropropane	U	5.0
Methyl bromide	U	5.0	trans-1,3-Dichloropropene	U	5.0
Vinyl chloride	U	10	Trichloroethylene	U	5.0
Chloroethane	U	10	Chlorodibromomethane	U	5.0
Methylene chloride	U	5.0	1,1,2-Trichloroethane	U	5.0
Acetone	U	100	Benzene	U	5.0
Carbon disulfide	U	5.0	cis-1,3-Dichloropropene	U	5.0
1,1-Dichloroethylene	U	5.0	2-Chloroethylvinyl ether	U	10
1,1-Dichloroethane	U	5.0	Bromoform	U	5.0
trans-1,2-Dichloroethylene	U	5.0	2-Hexanone	U	50
Chloroform	U	5.0	4-Methyl-2-pentanone	U	50
1,2-Dichloroethane	U	5.0	Tetrachloroethylene	U	5.0
2-Butanone	U	100	1,1,2,2-Tetrachloroethane	U	5.0
1,1,1-Trichloroethane	U	5.0	Toluene	U	5.0
Carbon tetrachloride	U	5.0	Chlorobenzene	U	5.0
Vinyl acetate	U	50	Ethylbenzene	U	5.0
Dichlorobromomethane	U	5.0	Styrene	U	5.0
			Xylenes, total	U	5.0

Surrogates	% Recovery
Toluene-D8	101
Bromofluorobenzene	100
1,2-Dichloroethane-D4	97

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

Work Order: B0-07-203

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-4-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/27/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	U 50	1,2-Dichloropropane	U 25
Methyl bromide	U 25	trans-1,3-Dichloropropene	U 25
Vinyl chloride	U 50	Trichloroethylene	U 25
Chloroethane	U 50	Chlorodibromomethane	U 25
Methylene chloride	U 25	1,1,2-Trichloroethane	U 25
Acetone	U 500	Benzene	610 25
Carbon disulfide	U 25	cis-1,3-Dichloropropene	U 25
1,1-Dichloroethylene	U 25	2-Chloroethylvinyl ether	U 50
1,1-Dichloroethane	U 25	Bromoform	U 25
trans-1,2-Dichloroethylene	U 25	2-Hexanone	U 250
Chloroform	U 25	4-Methyl-2-pentanone	U 250
1,2-Dichloroethane	U 25	Tetrachloroethylene	U 25
2-Butanone	U 500	1,1,2,2-Tetrachloroethane	U 25
1,1,1-Trichloroethane	U 25	Toluene	10J 25
Carbon tetrachloride	U 25	Chlorobenzene	U 25
Vinyl acetate	U 250	Ethylbenzene	93 25
Dichlorobromomethane	U 25	Styrene	U 25
		Xylenes, total	26 25

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	97
1,2-Dichloroethane-D4	96

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

Work Order: B0-07-203

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-5-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/26/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	U 1000	1,2-Dichloropropane	U 500
Methyl bromide	U 500	trans-1,3-Dichloropropene	U 500
Vinyl chloride	U 1000	Trichloroethylene	U 500
Chloroethane	U 1000	Chlorodibromomethane	U 500
Methylene chloride	U 500	1,1,2-Trichloroethane	U 500
Acetone	U 10000	Benzene	15000 500
Carbon disulfide	U 500	cis-1,3-Dichloropropene	U 500
1,1-Dichloroethylene	U 500	2-Chloroethylvinyl ether	U 1000
1,1-Dichloroethane	U 500	Bromoform	U 500
trans-1,2-Dichloroethylene	U 500	2-Hexanone	U 5000
Chloroform	U 500	4-Methyl-2-pentanone	U 5000
1,2-Dichloroethane	U 500	Tetrachloroethylene	U 500
2-Butanone	U 10000	1,1,2,2-Tetrachloroethane	U 500
1,1,1-Trichloroethane	U 500	Toluene	630 500
Carbon tetrachloride	U 500	Chlorobenzene	U 500
Vinyl acetate	U 5000	Ethylbenzene	1100 500
Dichlorobromomethane	U 500	Styrene	U 500
		Xylenes, total	1500 500

Surrogates	% Recovery
Toluene-D8	101
Bromofluorobenzene	101
1,2-Dichloroethane-D4	95

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-07-205

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-6S-02-D

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/27/90

Results in ug/L:

	Detection		Detection
	Limit		Limit
Methyl chloride	U 100	1,2-Dichloropropane	U 50
Methyl bromide	U 50	trans-1,3-Dichloropropene	U 50
Vinyl chloride	U 100	Trichloroethylene	U 50
Chloroethane	U 100	Chlorodibromomethane	U 50
Methylene chloride	U 50	1,1,2-Trichloroethane	U 50
Acetone	U 1000	Benzene	440 50
Carbon disulfide	U 50	cis-1,3-Dichloropropene	U 50
1,1-Dichloroethylene	U 50	2-Chloroethylvinyl ether	U 100
1,1-Dichloroethane	U 50	Bromoform	U 50
trans-1,2-Dichloroethylene	U 50	2-Hexanone	U 500
Chloroform	U 50	4-Methyl-2-pentanone	U 500
1,2-Dichloroethane	U 50	Tetrachloroethylene	U 50
2-Butanone	U 1000	1,1,2,2-Tetrachloroethane	U 50
1,1,1-Trichloroethane	U 50	Toluene	25J 50
Carbon tetrachloride	U 50	Chlorobenzene	U 50
Vinyl acetate	U 500	Ethylbenzene	450 50
Dichlorobromomethane	U 50	Styrene	U 50
		Xylenes, total	1800 50

Surrogates	% Recovery
Toluene-D8	99
Bromofluorobenzene	108
1,2-Dichloroethane-D4	95

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-204

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-6D-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/26/90

Results in ug/L:

Detection
LimitDetection
Limit

Methyl chloride	U	10	1,2-Dichloropropane	U	5.0
Methyl bromide	U	5.0	trans-1,3-Dichloropropene	U	5.0
Vinyl chloride	U	10	Trichloroethylene	U	5.0
Chloroethane	U	10	Chlorodibromomethane	U	5.0
Methylene chloride	U	5.0	1,1,2-Trichloroethane	U	5.0
Acetone	U	100	Benzene	U	5.0
Carbon disulfide	U	5.0	cis-1,3-Dichloropropene	U	5.0
1,1-Dichloroethylene	U	5.0	2-Chloroethylvinyl ether	U	10
1,1-Dichloroethane	U	5.0	Bromoform	U	5.0
trans-1,2-Dichloroethylene	U	5.0	2-Hexanone	U	50
Chloroform	U	5.0	4-Methyl-2-pentanone	U	50
1,2-Dichloroethane	U	5.0	Tetrachloroethylene	U	5.0
2-Butanone	U	100	1,1,2,2-Tetrachloroethane	U	5.0
1,1,1-Trichloroethane	U	5.0	Toluene	U	5.0
Carbon tetrachloride	U	5.0	Chlorobenzene	U	5.0
Vinyl acetate	U	50	Ethylbenzene	U	5.0
Dichlorobromomethane	U	5.0	Styrene	U	5.0
			Xylenes, total	U	5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	102
1,2-Dichloroethane-D4	96

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

Work Order: B0-07-204

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-7-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/27/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	U 20	1,2-Dichloropropane	U 10
Methyl bromide	U 10	trans-1,3-Dichloropropene	U 10
Vinyl chloride	U 20	Trichloroethylene	U 10
Chloroethane	U 20	Chlorodibromomethane	U 10
Methylene chloride	U 10	1,1,2-Trichloroethane	U 10
Acetone	6J 200	Benzene	340D 10
Carbon disulfide	U 10	cis-1,3-Dichloropropene	U 10
1,1-Dichloroethylene	U 10	2-Chloroethylvinyl ether	U 20
1,1-Dichloroethane	U 10	Bromoform	U 10
trans-1,2-Dichloroethylene	U 10	2-Hexanone	U 100
Chloroform	U 10	4-Methyl-2-pentanone	U 100
1,2-Dichloroethane	U 10	Tetrachloroethylene	U 10
2-Butanone	U 200	1,1,2,2-Tetrachloroethane	U 10
1,1,1-Trichloroethane	U 10	Toluene	3J 10
Carbon tetrachloride	U 10	Chlorobenzene	U 10
Vinyl acetate	U 100	Ethylbenzene	6J 10
Dichlorobromomethane	U 10	Styrene	U 10
		Xylenes, total	12 10

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	96
1,2-Dichloroethane-D4	92

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

Work Order: 80-07-204

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-8-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/28/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	U 1000	1,2-Dichloropropane	U 500
Methyl bromide	U 500	trans-1,3-Dichloropropene	U 500
Vinyl chloride	U 1000	Trichloroethylene	U 500
Chloroethane	U 1000	Chlorodibromomethane	U 500
Methylene chloride	U 500	1,1,2-Trichloroethane	U 500
Acetone	U 10000	Benzene	18000 500
Carbon disulfide	U 500	cis-1,3-Dichloropropene	U 500
1,1-Dichloroethylene	U 500	2-Chloroethylvinyl ether	U 1000
1,1-Dichloroethane	U 500	Bromoform	U 500
trans-1,2-Dichloroethylene	U 500	2-Hexanone	U 5000
Chloroform	U 500	4-Methyl-2-pentanone	U 5000
1,2-Dichloroethane	U 500	Tetrachloroethylene	U 500
2-Butanone	U 10000	1,1,2,2-Tetrachloroethane	U 500
1,1,1-Trichloroethane	U 500	Toluene	2600 500
Carbon tetrachloride	U 500	Chlorobenzene	U 500
Vinyl acetate	U 5000	Ethylbenzene	1500 500
Dichlorobromomethane	U 500	Styrene	U 500
		Xylenes, total	7900 500

Surrogates	% Recovery
Toluene-D8	96
Bromofluorobenzene	97
1,2-Dichloroethane-D4	95

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-204

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-9S-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/26/90

Results in ug/L:

Detection
LimitDetection
Limit

Methyl chloride	U	10	1,2-Dichloropropane	U	5.0
Methyl bromide	U	5.0	trans-1,3-Dichloropropene	U	5.0
Vinyl chloride	U	10	Trichloroethylene	U	5.0
Chloroethane	U	10	Chlorodibromomethane	U	5.0
Methylene chloride	U	5.0	1,1,2-Trichloroethane	U	5.0
Acetone	U	100	Benzene	U	5.0
Carbon disulfide	U	5.0	cis-1,3-Dichloropropene	U	5.0
1,1-Dichloroethylene	U	5.0	2-Chloroethylvinyl ether	U	10
1,1-Dichloroethane	U	5.0	Bromoform	U	5.0
trans-1,2-Dichloroethylene	U	5.0	2-Hexanone	U	50
Chloroform	U	5.0	4-Methyl-2-pentanone	U	50
1,2-Dichloroethane	U	5.0	Tetrachloroethylene	U	5.0
2-Butanone	U	100	1,1,2,2-Tetrachloroethane	U	5.0
1,1,1-Trichloroethane	U	5.0	Toluene	U	5.0
Carbon tetrachloride	U	5.0	Chlorobenzene	U	5.0
Vinyl acetate	U	50	Ethylbenzene	U	5.0
Dichlorobromomethane	U	5.0	Styrene	U	5.0
			Xylenes, total	U	5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	103
1,2-Dichloroethane-D4	96

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-07-204

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-9D-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/27/90

Results in ug/L:

	Detection Limit			Detection Limit	
Methyl chloride	U	10	1,2-Dichloropropane	U	5.0
Methyl bromide	U	5.0	trans-1,3-Dichloropropene	U	5.0
Vinyl chloride	U	10	Trichloroethylene	U	5.0
Chloroethane	U	10	Chlorodibromomethane	U	5.0
Methylene chloride	U	5.0	1,1,2-Trichloroethane	U	5.0
Acetone	4J	100	Benzene	17	5.0
Carbon disulfide	U	5.0	cis-1,3-Dichloropropene	U	5.0
1,1-Dichloroethylene	U	5.0	2-Chloroethylvinyl ether	U	10
1,1-Dichloroethane	U	5.0	Bromoform	U	5.0
trans-1,2-Dichloroethylene	U	5.0	2-Hexanone	U	50
Chloroform	U	5.0	4-Methyl-2-pentanone	U	50
1,2-Dichloroethane	U	5.0	Tetrachloroethylene	U	5.0
3-Butanone	U	100	1,1,2,2-Tetrachloroethane	U	5.0
1,1,1-Trichloroethane	U	5.0	Toluene	19	5.0
Carbon tetrachloride	U	5.0	Chlorobenzene	U	5.0
Vinyl acetate	U	50	Ethylbenzene	7	5.0
Dichlorobromomethane	U	5.0	Styrene	U	5.0
			Xylenes, total	55	5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	97
1,2-Dichloroethane-D4	93

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-10-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/30/90

Results in ug/L:

		Detection Limit		Detection Limit
Methyl chloride	U	10	1,2-Dichloropropane	U 5.0
Methyl bromide	U	5.0	trans-1,3-Dichloropropene	U 5.0
Vinyl chloride	U	10	Trichloroethylene	U 5.0
Chloroethane	U	10	Chlorodibromomethane	U 5.0
Methylene chloride	U	5.0	1,1,2-Trichloroethane	U 5.0
Acetone	14J	100	Benzene	44 5.0
Carbon disulfide	U	5.0	cis-1,3-Dichloropropene	U 5.0
1,1-Dichloroethylene	U	5.0	2-Chloroethylvinyl ether	U 10
1,1-Dichloroethane	U	5.0	Bromoform	U 5.0
trans-1,2-Dichloroethylene	U	5.0	2-Hexanone	U 50
Chloroform	U	5.0	4-Methyl-2-pentanone	U 50
1,2-Dichloroethane	U	5.0	Tetrachloroethylene	U 5.0
2-Butanone	U	100	1,1,2,2-Tetrachloroethane	U 5.0
1,1,1-Trichloroethane	U	5.0	Toluene	14 5.0
Carbon tetrachloride	U	5.0	Chlorobenzene	U 5.0
Vinyl acetate	U	50	Ethylbenzene	12 5.0
Dichlorobromomethane	U	5.0	Styrene	U 5.0
			Xylenes, total	150 5.0

Surrogates	% Recovery
Toluene-D8	103
Bromofluorobenzene	111
1,2-Dichloroethane-D4	101

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-204

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-11-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/30/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	U 10	1,2-Dichloropropane	U 5.0
Methyl bromide	U 5.0	trans-1,3-Dichloropropene	U 5.0
Vinyl chloride	U 10	Trichloroethylene	U 5.0
Chloroethane	U 10	Chlorodibromomethane	U 5.0
Methylene chloride	U 5.0	1,1,2-Trichloroethane	U 5.0
Acetone	9J 100	Benzene	840D 5.0
Carbon disulfide	U 5.0	cis-1,3-Dichloropropene	U 5.0
1,1-Dichloroethylene	U 5.0	2-Chloroethylvinyl ether	U 10
1,1-Dichloroethane	U 5.0	Bromoform	U 5.0
trans-1,2-Dichloroethylene	U 5.0	2-Hexanone	U 50
Chloroform	U 5.0	4-Methyl-2-pentanone	U 50
1,2-Dichloroethane	9 5.0	Tetrachloroethylene	U 5.0
2-Butanone	U 100	1,1,2,2-Tetrachloroethane	U 5.0
1,1,1-Trichloroethane	U 5.0	Toluene	2J 5.0
Carbon tetrachloride	U 5.0	Chlorobenzene	U 5.0
Vinyl acetate	U 50	Ethylbenzene	U 5.0
Dichlorobromomethane	U 5.0	Styrene	U 5.0
		Xylenes, total	8 5.0

Surrogates	% Recovery
Toluene-D8	101
Bromofluorobenzene	104
1,2-Dichloroethane-D4	103

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-205

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-12-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/27/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	U 10	1,2-Dichloropropane	U 5.0
Methyl bromide	U 5.0	trans-1,3-Dichloropropene	U 5.0
Vinyl chloride	U 10	Trichloroethylene	U 5.0
Chloroethane	U 10	Chlorodibromomethane	U 5.0
Methylene chloride	U 5.0	1,1,2-Trichloroethane	U 5.0
Acetone	U 100	Benzene	U 5.0
Carbon disulfide	U 5.0	cis-1,3-Dichloropropene	U 5.0
1,1-Dichloroethylene	U 5.0	2-Chloroethylvinyl ether	U 10
1,1-Dichloroethane	U 5.0	Bromoform	U 5.0
trans-1,2-Dichloroethylene	U 5.0	2-Hexanone	U 50
Chloroform	U 5.0	4-Methyl-2-pentanone	U 50
1,2-Dichloroethane	U 5.0	Tetrachloroethylene	U 5.0
2-Butanone	U 100	1,1,2,2-Tetrachloroethane	U 5.0
1,1,1-Trichloroethane	U 5.0	Toluene	U 5.0
Carbon tetrachloride	U 5.0	Chlorobenzene	U 5.0
Vinyl acetate	U 50	Ethylbenzene	U 5.0
Dichlorobromomethane	U 5.0	Styrene	U 5.0
		Xylenes, total	U 5.0

Surrogates	% Recovery
Toluene-D8	101
Bromofluorobenzene	107
1,2-Dichloroethane-D4	95

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: BO-07-203

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: MW-13-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/26/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	U 10	1,2-Dichloropropane	U 5.0
Methyl bromide	U 5.0	trans-1,3-Dichloropropene	U 5.0
Vinyl chloride	U 10	Trichloroethylene	U 5.0
Chloroethane	U 10	Chlorodibromomethane	U 5.0
Methylene chloride	U 5.0	1,1,2-Trichloroethane	U 5.0
Acetone	U 100	Benzene	U 5.0
Carbon disulfide	U 5.0	cis-1,3-Dichloropropene	U 5.0
1,1-Dichloroethylene	U 5.0	2-Chloroethylvinyl ether	U 10
1,1-Dichloroethane	U 5.0	Bromoform	U 5.0
trans-1,2-Dichloroethylene	U 5.0	2-Hexanone	U 50
Chloroform	U 5.0	4-Methyl-2-pentanone	U 50
1,2-Dichloroethane	U 5.0	Tetrachloroethylene	U 5.0
2-Butanone	U 100	1,1,2,2-Tetrachloroethane	U 5.0
1,1,1-Trichloroethane	U 5.0	Toluene	U 5.0
Carbon tetrachloride	U 5.0	Chlorobenzene	U 5.0
Vinyl acetate	U 50	Ethylbenzene	U 5.0
Dichlorobromomethane	U 5.0	Styrene	U 5.0
		Xylenes, total	U 5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	100
1,2-Dichloroethane-D4	94

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: RG-US-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/26/90

Results in ug/L:

Detection
LimitDetection
Limit

Methyl chloride	U	10	1,2-Dichloropropane	U	5.0
Methyl bromide	U	5.0	trans-1,3-Dichloropropene	U	5.0
Vinyl chloride	U	10	Trichloroethylene	U	5.0
Chloroethane	U	10	Chlorodibromomethane	U	5.0
Methylene chloride	U	5.0	1,1,2-Trichloroethane	U	5.0
Acetone	U	100	Benzene	U	5.0
Carbon disulfide	U	5.0	cis-1,3-Dichloropropene	U	5.0
1,1-Dichloroethylene	U	5.0	2-Chloroethylvinyl ether	U	10
1,1-Dichloroethane	U	5.0	Bromoform	U	5.0
trans-1,2-Dichloroethylene	U	5.0	2-Hexanone	U	50
Chloroform	U	5.0	4-Methyl-2-pentanone	U	50
1,2-Dichloroethane	U	5.0	Tetrachloroethylene	U	5.0
2-Butanone	U	100	1,1,2,2-Tetrachloroethane	U	5.0
1,1,1-Trichloroethane	U	5.0	Toluene	U	5.0
Carbon tetrachloride	U	5.0	Chlorobenzene	U	5.0
Vinyl acetate	U	50	Ethylbenzene	U	5.0
Dichlorobromomethane	U	5.0	Styrene	U	5.0
			Xylenes, total	U	5.0

Surrogates	% Recovery
Toluene-D8	99
Bromofluorobenzene	100
1,2-Dichloroethane-D4	92

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

Work Order: B0-07-203

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: RG-DS-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/26/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	U 10	1,2-Dichloropropane	U 5.0
Methyl bromide	U 5.0	trans-1,3-Dichloropropene	U 5.0
Vinyl chloride	U 10	Trichloroethylene	U 5.0
Chloroethane	U 10	Chlorodibromomethane	U 5.0
Methylene chloride	U 5.0	1,1,2-Trichloroethane	U 5.0
Acetone	U 100	Benzene	U 5.0
Carbon disulfide	U 5.0	cis-1,3-Dichloropropene	U 5.0
1,1-Dichloroethylene	U 5.0	2-Chloroethylvinyl ether	U 10
1,1-Dichloroethane	U 5.0	Bromoform	U 5.0
trans-1,2-Dichloroethylene	U 5.0	2-Hexanone	U 50
Chloroform	U 5.0	4-Methyl-2-pentanone	U 50
1,2-Dichloroethane	U 5.0	Tetrachloroethylene	U 5.0
2-Butanone	U 100	1,1,2,2-Tetrachloroethane	U 5.0
1,1,1-Trichloroethane	U 5.0	Toluene	U 5.0
Carbon tetrachloride	U 5.0	Chlorobenzene	U 5.0
Vinyl acetate	U 50	Ethylbenzene	U 5.0
Dichlorobromomethane	U 5.0	Styrene	U 5.0
		Xylenes, total	U 5.0

Surrogates	% Recovery
Toluene-D8	101
Bromofluorobenzene	101
1,2-Dichloroethane-D4	96

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: RG-MS-02

SAMPLE DATE: 07/18/90

ANALYSIS DATE: 07/26/90

Results in ug/L:

	Detection Limit		Detection Limit
Methyl chloride	U 10	1,2-Dichloropropane	U 5.0
Methyl bromide	U 5.0	trans-1,3-Dichloropropene	U 5.0
Vinyl chloride	U 10	Trichloroethylene	U 5.0
Chloroethane	U 10	Chlorodibromomethane	U 5.0
Methylene chloride	U 5.0	1,1,2-Trichloroethane	U 5.0
Acetone	U 100	Benzene	U 5.0
Carbon disulfide	U 5.0	cis-1,3-Dichloropropene	U 5.0
1,1-Dichloroethylene	U 5.0	2-Chloroethylvinyl ether	U 10
1,1-Dichloroethane	U 5.0	Bromoform	U 5.0
trans-1,2-Dichloroethylene	U 5.0	2-Hexanone	U 50
Chloroform	U 5.0	4-Methyl-2-pentanone	U 50
1,2-Dichloroethane	U 5.0	Tetrachloroethylene	U 5.0
2-Butanone	U 100	1,1,2,2-Tetrachloroethane	U 5.0
1,1,1-Trichloroethane	U 5.0	Toluene	U 5.0
Carbon tetrachloride	U 5.0	Chlorobenzene	U 5.0
Vinyl acetate	U 50	Ethylbenzene	U 5.0
Dichlorobromomethane	U 5.0	Styrene	U 5.0
		Xylenes, total	U 5.0

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	102
1,2-Dichloroethane-D4	97

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-1-01

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/23/90

ANALYSIS DATE: 05/02/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10	
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50	
2-Chlorophenol	ND	10	Acenaphthene	ND	10	
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50	
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50	
Benzyl alcohol	ND	20	Dibenzofuran	ND	10	
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10	
2-Methylphenol	ND	10	Diethylphthalate	ND	10	
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10	
4-Methylphenol	ND	10	Fluorene	ND	10	
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50	
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50	
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10	
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10	
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10	
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50	
Benzoic Acid	ND	50	Phenanthrene	ND	10	
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10	
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10	
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10	
Naphthalene	ND	10	Pyrene	ND	10	
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10	
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20	
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10	
2-Methylnaphthalene	ND	10	Chrysene	ND	10	
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10	
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10	
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10	
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10	
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10	
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10	
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10	
			Benzo(g,h,i)perylene	ND	10	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-180

TEST NAME: ABW HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-2-01

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/30/90

ANALYSIS DATE: 05/08/90

	Results in		ug/L:	Detection	
	Detection			Limit	
	Limit			Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
2-Methylphenol	ND	10	Diethylphthalate	ND	10
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	ND	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	ND	10	Pyrene	ND	10
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
2-Methylnaphthalene	ND	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

TEST NAME: ABM HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-35-01

SAMPLE DATE: 04/11/90

EXTRACTION DATE: 04/23/90

ANALYSIS DATE: 05/02/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10	
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50	
2-Chlorophenol	ND	10	Acenaphthene	ND	10	
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50	
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50	
Benzyl alcohol	ND	20	Dibenzofuran	ND	10	
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10	
2-Methylphenol	ND	10	Diethylphthalate	ND	10	
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10	
4-Methylphenol	ND	10	Fluorene	ND	10	
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50	
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50	
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10	
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10	
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10	
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50	
Benzoic Acid	ND	50	Phenanthrene	ND	10	
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10	
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10	
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10	
Naphthalene	ND	10	Pyrene	ND	10	
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10	
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20	
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10	
2-Methylnaphthalene	ND	10	Chrysene	ND	10	
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10	
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10	
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10	
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10	
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10	
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10	
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10	
			Benzo(g,h,i)perylene	ND	10	

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-161

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-3D-01

SAMPLE DATE: 04/11/90

EXTRACTION DATE: 04/23/90

ANALYSIS DATE: 05/02/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10	10
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10	10
2-Methylphenol	ND	10	Diethylphthalate	ND	10	10
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10	10
4-Methylphenol	ND	10	Fluorene	ND	10	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10	10
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50	50
Benzoic Acid	ND	50	Phenanthrene	ND	10	10
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10	10
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10	10
Naphthalene	ND	10	Pyrene	ND	10	10
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10	10
2-Methylnaphthalene	ND	10	Chrysene	ND	10	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10	10
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10	10
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10	10
			Benzo(g,h,i)perylene	ND	10	10

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-180

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-4-01

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/30/90

ANALYSIS DATE: 05/08/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	36	25	2,6-Dinitrotoluene	ND	25	
bis(2-Chloroethyl)ether	ND	25	3-Nitroaniline	ND	130	
2-Chlorophenol	ND	25	Acenaphthene	ND	25	
1,3-Dichlorobenzene	ND	25	2,4-Dinitrophenol	ND	130	
1,4-Dichlorobenzene	ND	25	4-Nitrophenol	ND	130	
Benzyl alcohol	ND	50	Dibenzofuran	ND	25	
1,2-Dichlorobenzene	ND	25	2,4-Dinitrotoluene	ND	25	
2-Methylphenol	ND	25	Diethylphthalate	ND	25	
bis(2-Chloroisopropyl)ether	ND	25	4-Chlorophenyl-phenylether	ND	25	
4-Methylphenol	ND	25	Fluorene	ND	25	
N-Nitroso-di-n-propylamine	ND	25	4-Nitroaniline	ND	130	
Hexachloroethane	ND	25	4,6-Dinitro-2-methylphenol	ND	130	
Nitrobenzene	ND	25	N-Nitrosodiphenylamine	ND	25	
Isophorone	ND	25	4-Bromophenyl-phenylether	ND	25	
2-Nitrophenol	ND	25	Hexachlorobenzene	ND	25	
2,4-Dimethylphenol	ND	25	Pentachlorophenol	ND	130	
Benzoic Acid	ND	130	Phenanthrene	ND	25	
bis(2-Chloroethoxy)methane	ND	25	Anthracene	ND	25	
2,4-Dichlorophenol	ND	25	Di-n-butylphthalate	ND	25	
1,2,4-Trichlorobenzene	ND	25	Fluoranthene	ND	25	
Naphthalene	100	25	Pyrene	ND	25	
4-Chloroaniline	ND	50	Butylbenzylphthalate	ND	25	
Hexachlorobutadiene	ND	25	3,3'-Dichlorobenzidine	ND	50	
4-Chloro-3-methylphenol	ND	50	Benzo(a)anthracene	ND	25	
2-Methylnaphthalene	92	25	Chrysene	ND	25	
Hexachlorocyclopentadiene	ND	25	bis(2-Ethylhexyl)phthalate	ND	25	
2,4,6-Trichlorophenol	ND	25	Di-n-octylphthalate	ND	25	
2,4,5-Trichlorophenol	ND	25	Benzo(b)fluoranthene	ND	25	
2-Chloronaphthalene	ND	25	Benzo(k)fluoranthene	ND	25	
2-Nitroaniline	ND	130	Benzo(a)pyrene	ND	25	
Dimethylphthalate	ND	25	Indeno(1,2,3-cd)pyrene	ND	25	
Acenaphthylene	ND	25	Dibenzo(a,h)anthracene	ND	25	
			Benzo(g,h,i)perylene	ND	25	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: 80-04-180

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-05-01

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/30/90

ANALYSIS DATE: 05/08/90

	Results in		ug/L:	Detection	
	Detection			Limit	
	Limit			Limit	
Phenol	75	25	2,6-Dinitrotoluene	ND	25
bis(2-Chloroethyl)ether	ND	25	3-Nitroaniline	ND	130
2-Chlorophenol	ND	25	Acenaphthene	ND	25
1,3-Dichlorobenzene	ND	25	2,4-Dinitrophenol	ND	130
1,4-Dichlorobenzene	ND	25	4-Nitrophenol	ND	130
Benzyl alcohol	ND	50	Dibenzofuran	ND	25
1,2-Dichlorobenzene	ND	25	2,4-Dinitrotoluene	ND	25
2-Methylphenol	ND	25	Diethylphthalate	ND	25
bis(2-Chloroisopropyl)ether	ND	25	4-Chlorophenyl-phenylether	ND	25
4-Methylphenol	ND	25	Fluorene	ND	25
N-Nitroso-di-n-propylamine	ND	25	4-Nitroaniline	ND	130
Hexachloroethane	ND	25	4,6-Dinitro-2-methylphenol	ND	130
Nitrobenzene	ND	25	N-Nitrosodiphenylamine	ND	25
Isophorone	ND	25	4-Bromophenyl-phenylether	ND	25
2-Nitrophenol	ND	25	Hexachlorobenzene	ND	25
2,4-Dimethylphenol	ND	25	Pentachlorophenol	ND	130
Benzoic Acid	ND	130	Phenanthrene	ND	25
bis(2-Chloroethoxy)methane	ND	25	Anthracene	ND	25
2,4-Dichlorophenol	ND	25	Di-n-butylphthalate	ND	25
1,2,4-Trichlorobenzene	ND	25	Fluoranthene	ND	25
Naphthalene	86	25	Pyrene	ND	25
4-Chloroaniline	ND	50	Butylbenzylphthalate	ND	25
Hexachlorobutadiene	ND	25	3,3'-Dichlorobenzidine	ND	50
4-Chloro-3-methylphenol	ND	50	Benzo(a)anthracene	ND	25
2-Methylnaphthalene	44	25	Chrysene	ND	25
Hexachlorocyclopentadiene	ND	25	bis(2-Ethylhexyl)phthalate	ND	25
2,4,6-Trichlorophenol	ND	25	Di-n-octylphthalate	ND	25
2,4,5-Trichlorophenol	ND	25	Benzo(b)fluoranthene	ND	25
2-Chloronaphthalene	ND	25	Benzo(k)fluoranthene	ND	25
2-Nitroaniline	ND	130	Benzo(a)pyrene	ND	25
Dimethylphthalate	ND	25	Indeno(1,2,3-cd)pyrene	ND	25
Acenaphthylene	ND	25	Dibenzo(a,h)anthracene	ND	25
			Benzo(g,h,i)perylene	ND	25

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: BO-04-160

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-68-01

SAMPLE DATE: 04/11/90

EXTRACTION DATE: 04/23/90

ANALYSIS DATE: 05/02/90

	Results in		ug/L:	Detection	
	Limit			Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
2-Methylphenol	ND	10	Diethylphthalate	ND	10
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	ND	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
2,4-Dimethylphenol	340	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	45	10	Pyrene	ND	10
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
2-Methylnaphthalene	22	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	23	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

TEST NAME: ABM HSL GC/MS EXTRACTABLES

SAMPLE ID: MM-6D-01

SAMPLE DATE: 04/11/90

EXTRACTION DATE: 04/23/90

ANALYSIS DATE: 05/02/90

	Results in		ug/L:	Detection	
	Detection			Limit	
	Limit			Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
2-Methylphenol	ND	10	Diethylphthalate	ND	10
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	ND	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	ND	10	Pyrene	ND	10
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
2-Methylnaphthalene	ND	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REYENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-7-01

SAMPLE DATE: 04/11/90

EXTRACTION DATE: 04/23/90

ANALYSIS DATE: 05/02/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10	
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50	
2-Chlorophenol	ND	10	Acenaphthene	ND	10	
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50	
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50	
Benzyl alcohol	ND	20	Dibenzofuran	ND	10	
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10	
2-Methylphenol	ND	10	Diethylphthalate	ND	10	
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10	
4-Methylphenol	ND	10	Fluorene	ND	10	
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50	
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50	
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10	
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10	
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10	
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50	
Benzoic Acid	ND	50	Phenanthrene	ND	10	
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10	
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10	
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10	
Naphthalene	ND	10	Pyrene	ND	10	
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10	
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20	
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10	
2-Methylnaphthalene	ND	10	Chrysene	ND	10	
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10	
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10	
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10	
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10	
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10	
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10	
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10	
			Benzo(g,h,i)perylene	ND	10	

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-8-01

SAMPLE DATE: 04/11/90

EXTRACTION DATE: 04/23/90

ANALYSIS DATE: 05/02/90

	Results in		ug/L:	Detection	
	Detection			Limit	
		Limit			Limit
Phenol	160	10	2,6-Dinitrotoluene	ND	10
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
2-Methylphenol	120	10	Diethylphthalate	ND	10
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	41	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
2,4-Dimethylphenol	290	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	150	10	Pyrene	ND	10
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
2-Methylnaphthalene	55	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-161

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-9S-01

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/23/90

ANALYSIS DATE: 05/02/90

	Results in		ug/L:	Detection	
	Detection			Limit	
	ND	Limit		ND	Limit
Phenol	ND	10	2,6-Dinitrotoluene	ND	10
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
2-Methylphenol	ND	10	Diethylphthalate	ND	10
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	ND	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	ND	10	Pyrene	ND	10
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
2-Methylnaphthalene	ND	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 05/11/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-161

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-9S-01-D

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/23/90

ANALYSIS DATE: 05/02/90

	Results in		ug/L:	Detection	
	Detection			Limit	
	Limit			Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10
1,2-Bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
4-Methylphenol	ND	10	Diethylphthalate	ND	10
1,2-Bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	ND	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
4-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
1,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
1,2-Bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10
1,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	ND	10	Pyrene	ND	10
2-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
1-Methylnaphthalene	ND	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	130	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
1,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
1-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
1-Naphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-9D-01

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/23/90

ANALYSIS DATE: 05/02/90

	Results in		ug/L:	Detection	
	Detection			Limit	
	Limit			Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
2-Methylphenol	ND	10	Diethylphthalate	ND	10
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	ND	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	ND	10	Pyrene	ND	10
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
2-Methylnaphthalene	ND	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-180

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-10-01

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/30/90

ANALYSIS DATE: 05/08/90

Results in ug/L:
Detection
Limit

Detection
Limit

Phenol	ND	10	2,6-Dinitrotoluene	ND	10
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
2-Methylphenol	ND	10	Diethylphthalate	ND	10
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	ND	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	ND	10	Pyrene	ND	10
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
2-Methylnaphthalene	ND	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-180

TEST NAME: ARN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-11-01

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/30/90

ANALYSIS DATE: 05/08/90

	Results in		ug/L:	Detection	
	Detection			Limit	
	Limit			Limit	
Phenol	52	25	2,6-Dinitrotoluene	ND	25
bis(2-Chloroethyl)ether	ND	25	3-Nitroaniline	ND	130
2-Chlorophenol	ND	25	Acenaphthene	ND	25
1,3-Dichlorobenzene	ND	25	2,4-Dinitrophenol	ND	130
1,4-Dichlorobenzene	ND	25	4-Nitrophenol	ND	130
Benzyl alcohol	ND	50	Dibenzofuran	ND	25
1,2-Dichlorobenzene	ND	25	2,4-Dinitrotoluene	ND	25
2-Methylphenol	ND	25	Diethylphthalate	ND	25
bis(2-Chloroisopropyl)ether	ND	25	4-Chlorophenyl-phenylether	ND	25
4-Methylphenol	ND	25	Fluorene	ND	25
N-Nitroso-di-n-propylamine	ND	25	4-Nitroaniline	ND	130
Hexachloroethane	ND	25	4,6-Dinitro-2-methylphenol	ND	130
Nitrobenzene	ND	25	N-Nitrosodiphenylamine	ND	25
Isophorone	ND	25	4-Bromophenyl-phenylether	ND	25
2-Nitrophenol	ND	25	Hexachlorobenzene	ND	25
2,4-Dimethylphenol	ND	25	Pentachlorophenol	ND	130
Benzoic Acid	ND	130	Phenanthrene	ND	25
bis(2-Chloroethoxy)methane	ND	25	Anthracene	ND	25
2,4-Dichlorophenol	ND	25	Di-n-butylphthalate	ND	25
1,2,4-Trichlorobenzene	ND	25	Fluoranthene	ND	25
Naphthalene	ND	25	Pyrene	ND	25
4-Chloroaniline	ND	50	Butylbenzylphthalate	ND	25
Hexachlorobutadiene	ND	25	3,3'-Dichlorobenzidine	ND	50
4-Chloro-3-methylphenol	ND	50	Benzo(a)anthracene	ND	25
2-Methylnaphthalene	ND	25	Chrysene	ND	25
Hexachlorocyclopentadiene	ND	25	bis(2-Ethylhexyl)phthalate	ND	25
2,4,6-Trichlorophenol	ND	25	Di-n-octylphthalate	ND	25
2,4,5-Trichlorophenol	ND	25	Benzo(b)fluoranthene	ND	25
2-Chloronaphthalene	ND	25	Benzo(k)fluoranthene	ND	25
2-Nitroaniline	ND	130	Benzo(a)pyrene	ND	25
Dimethylphthalate	ND	25	Indeno(1,2,3-cd)pyrene	ND	25
Acenaphthylene	ND	25	Dibenzo(a,h)anthracene	ND	25
			Benzo(g,h,i)perylene	ND	25

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-160

TEST NAME: ABM HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-12-01

SAMPLE DATE: 04/11/90

EXTRACTION DATE: 04/23/90

ANALYSIS DATE: 05/02/90

Results in ug/L:
Detection
Limit

Detection
Limit

Phenol	ND	10	2,6-Dinitrotoluene	ND	10
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
2-Methylphenol	ND	10	Diethylphthalate	ND	10
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	ND	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	ND	10	Pyrene	ND	10
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
2-Methylnaphthalene	ND	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-180

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-13-01

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/30/90

ANALYSIS DATE: 05/08/90

	Results in		ug/L:	Detection	
	Detection			Limit	
	Limit			Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
2-Methylphenol	ND	10	Diethylphthalate	ND	10
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	ND	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	ND	10	Pyrene	ND	10
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
2-Methylnaphthalene	ND	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-181

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: RG-DS-01

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/30/90

ANALYSIS DATE: 05/09/90

	Results in		ug/L:	Detection	
	Limit			Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10
1,2-Dichloroethyl ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
2-Methylphenol	ND	10	Diethylphthalate	ND	10
1,2-Dichloroisopropyl ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	ND	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
1,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
1,2-Dichloroethoxy methane	ND	10	Anthracene	ND	10
1,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	ND	10	Pyrene	ND	10
2-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
1-Methylnaphthalene	ND	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
1,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
1-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 05/18/90

Client Work ID: REXENE/BRICKLAND REFINERY

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: RG-MS-01

SAMPLE DATE: 04/12/90

EXTRACTION DATE: 04/30/90

ANALYSIS DATE: 05/09/90

	Results in		ug/L:	Detection	
	Detection			Limit	
	Limit			Limit	
Phenol	ND	20	2,6-Dinitrotoluene	ND	20
1,2-Dichloroethyl ether	ND	20	3-Nitroaniline	ND	100
1,3-Dichlorophenol	ND	20	Acenaphthene	ND	20
1,3-Dichlorobenzene	ND	20	2,4-Dinitrophenol	ND	100
1,4-Dichlorobenzene	ND	20	4-Nitrophenol	ND	100
Benzyl alcohol	ND	40	Dibenzofuran	ND	20
1,2-Dichlorobenzene	ND	20	2,4-Dinitrotoluene	ND	20
1-Methylphenol	ND	20	Diethylphthalate	ND	20
1,2-Dichloroisopropyl ether	ND	20	4-Chlorophenyl-phenylether	ND	20
4-Methylphenol	ND	20	Fluorene	ND	20
N-Nitroso-di-n-propylamine	ND	20	4-Nitroaniline	ND	100
1,1,1-Trichloroethane	ND	20	4,6-Dinitro-2-methylphenol	ND	100
Nitrobenzene	ND	20	N-Nitrosodiphenylamine	ND	20
Isophorone	ND	20	4-Bromophenyl-phenylether	ND	20
1-Nitrophenol	ND	20	Hexachlorobenzene	ND	20
1,4-Dimethylphenol	ND	20	Pentachlorophenol	ND	100
Benzoic Acid	ND	100	Phenanthrene	ND	20
1,2-Dichloroethoxy methane	ND	20	Anthracene	ND	20
1,4-Dichlorophenol	ND	20	Di-n-butylphthalate	ND	20
1,2,4-Trichlorobenzene	ND	20	Fluoranthene	ND	20
Naphthalene	ND	20	Pyrene	ND	20
2-Chloroaniline	ND	40	Butylbenzylphthalate	ND	20
1,2,3-Trichlorobutadiene	ND	20	3,3'-Dichlorobenzidine	ND	40
4-Chloro-3-methylphenol	ND	40	Benzo(a)anthracene	ND	20
1-Methylnaphthalene	ND	20	Chrysene	ND	20
1,2,3-Trichlorocyclopentadiene	ND	20	bis(2-Ethylhexyl)phthalate	ND	20
2,4,6-Trichlorophenol	ND	20	Di-n-octylphthalate	ND	20
1,4,5-Trichlorophenol	ND	20	Benzo(b)fluoranthene	ND	20
1-Chloronaphthalene	ND	20	Benzo(k)fluoranthene	ND	20
2-Nitroaniline	ND	100	Benzo(a)pyrene	ND	20
Dimethylphthalate	ND	20	Indeno(1,2,3-cd)pyrene	ND	20
1-Naphthylene	ND	20	Dibenzo(a,h)anthracene	ND	20
			Benzo(g,h,i)perylene	ND	20

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-180

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: S. STERN

SAMPLE DATE: 04/13/90

EXTRACTION DATE: 04/30/90

ANALYSIS DATE: 05/08/90

	Results in		ug/L:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	25	2,6-Dinitrotoluene	ND	25	
bis(2-Chloroethyl)ether	ND	25	3-Nitroaniline	ND	130	
2-Chlorophenol	ND	25	Acenaphthene	ND	25	
1,3-Dichlorobenzene	ND	25	2,4-Dinitrophenol	ND	130	
1,4-Dichlorobenzene	ND	25	4-Nitrophenol	ND	130	
Benzyl alcohol	ND	50	Dibenzofuran	ND	25	
1,2-Dichlorobenzene	ND	25	2,4-Dinitrotoluene	ND	25	
2-Methylphenol	ND	25	Diethylphthalate	ND	25	
bis(2-Chloroisopropyl)ether	ND	25	4-Chlorophenyl-phenylether	ND	25	
4-Methylphenol	ND	25	Fluorene	ND	25	
N-Nitroso-di-n-propylamine	ND	25	4-Nitroaniline	ND	130	
Hexachloroethane	ND	25	4,6-Dinitro-2-methylphenol	ND	130	
Nitrobenzene	ND	25	N-Nitrosodiphenylamine	ND	25	
Isophorone	ND	25	4-Bromophenyl-phenylether	ND	25	
2-Nitrophenol	ND	25	Hexachlorobenzene	ND	25	
2,4-Dimethylphenol	ND	25	Pentachlorophenol	ND	130	
Benzoic Acid	ND	130	Phenanthrene	ND	25	
bis(2-Chloroethoxy)methane	ND	25	Anthracene	ND	25	
2,4-Dichlorophenol	ND	25	Di-n-butylphthalate	ND	25	
1,2,4-Trichlorobenzene	ND	25	Fluoranthene	ND	25	
Naphthalene	ND	25	Pyrene	ND	25	
4-Chloroaniline	ND	50	Butylbenzylphthalate	ND	25	
Hexachlorobutadiene	ND	25	3,3'-Dichlorobenzidine	ND	50	
4-Chloro-3-methylphenol	ND	50	Benzo(a)anthracene	ND	25	
2-Methylnaphthalene	ND	25	Chrysene	ND	25	
Hexachlorocyclopentadiene	ND	25	bis(2-Ethylhexyl)phthalate	ND	25	
2,4,6-Trichlorophenol	ND	25	Di-n-octylphthalate	ND	25	
2,4,5-Trichlorophenol	ND	25	Benzo(b)fluoranthene	ND	25	
2-Chloronaphthalene	ND	25	Benzo(k)fluoranthene	ND	25	
2-Nitroaniline	ND	130	Benzo(a)pyrene	ND	25	
Dimethylphthalate	ND	25	Indeno(1,2,3-cd)pyrene	ND	25	
Acenaphthylene	ND	25	Dibenzo(a,h)anthracene	ND	25	
			Benzo(g,h,i)perylene	ND	25	

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-203

SAMPLE ID	MW-1-02	MW-2-02	MW-3S-02	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
MERCURY	0.2U [0.2]	0.2U [0.2]	0.2U [0.2]	ug/L
SILVER by ICP	5.0U [5.0]	50.0U [50.0]	5.0U [5.0]	ug/L
BERYLLIUM by ICP	0.40U [0.40]	6.0B [4.0]	0.4U [0.4]	ug/L
CALCIUM by ICP	92900 [10]	1160000 [10.0]	104000 [100]	ug/L
CADMIUM by ICP	2.0B [1.6]	16.0U [16.0]	2.0B [1.6]	ug/L
CHROMIUM by ICP	4.0U [4.0]	40.0U [40.0]	4.0U [4.0]	ug/L
COPPER by ICP	4.0B [2.0]	45.0B [20.0]	8.0B [2.0]	ug/L
POTASSIUM by ICP	3000U [3000]	30000U [30000]	3000U [3000]	ug/L
MAGNESIUM by ICP	33700 [0.30]	660000 [3.0]	57800 [0.3]	ug/L
SODIUM by ICP	149000 [16.0]	3430000 [16.0]	1070000 [16.0]	ug/L
NICKEL by ICP	8.0U [8.0]	80.0U [80.0]	8.0U [8.0]	ug/L
ANTIMONY by ICP	23.0B [22.0]	220U [220]	33.0B [22.0]	ug/L
ZINC by ICP	2.0B [1.3]	13.0U [13.0]	1.3U [1.3]	ug/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REYENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

SAMPLE ID	MW-1-02	MW-2-02	MW-3S-02	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
ARSENIC	41.4	2.0U	25.3	ug/L
- FURNACE	[2.0]	[2.0]	[4.0]	
LEAD	1.0UNW	1.0UNW	1.0UNW	ug/L
-FURNACE	[1.0]	[1.0]	[1.0]	
SELENIUM	5.0UNW	5.0UNW	5.0UNW	ug/L
- FURNACE	[5.0]	[5.0]	[5.0]	
THALLIUM	1.0UNW	1.0UNW	1.0UNW	ug/L
- FURNACE	[1.0]	[1.0]	[1.0]	
SULFATE	100	2500	550	mg/L
	[10]	[100]	[20]	
CHLORIDE	94	6800	1200	mg/L
	[1.0]	[1.0]	[1.0]	
BICARBONATE	380	610	670	mg/L
	[1.0]	[1.0]	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-203

SAMPLE ID	MW-3D-02	MW-4-02	MW-5-02	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
MERCURY	0.2U [0.2]	0.2U [0.2]	0.2U [0.2]	ug/L
SILVER by ICP	50.0 [50.0]	50.0U [50.0]	73.0B [50.0]	ug/L
BERYLLIUM by ICP	4.0U [4.0]	4.0U [4.0]	4.0B [4.0]	ug/L
CALCIUM by ICP	470000 [100]	593000 [100]	570000 [100]	ug/L
CADMIUM by ICP	16.0U [16.0]	17.0B [16.0]	16.0U [16.0]	ug/L
CHROMIUM by ICP	40.0U [40.0]	40.0U [40.0]	40.0U [40.0]	ug/L
COPPER by ICP	35.0B [20.0]	40.0U [20.0]	28.0B [20.0]	ug/L
POTASSIUM by ICP	30000U [30000]	30000U [30000]	30000U [30000]	ug/L
MAGNESIUM by ICP	321000 [3.0]	390000 [3.0]	254000 [3.0]	ug/L
SODIUM by ICP	3120000 [160]	2370000 [160]	2430000 [160]	ug/L
NICKEL by ICP	80.0U [80.0]	80.0U [80.0]	80.0U [80.0]	ug/L
ANTIMONY by ICP	220U [220]	220U [220]	220U [220]	ug/L
ZINC by ICP	13.0U [13.0]	15.0B [13.0]	13.0U [13.0]	ug/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

SAMPLE ID	MW-3D-02	MW-4-02	MW-5-02	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
ARSENIC	2.0U	2.0UW	11.2	ug/L
- FURNACE	[2.0]	[2.0]	[2.0]	
LEAD	1.0UN	1.0UNW	1.0UNW	ug/L
-FURNACE	[1.0]	[1.0]	[1.0]	
SELENIUM	5.0UNW	5.0UN	5.0UN	ug/L
- FURNACE	[5.0]	[5.0]	[5.0]	
THALLIUM	1.0UNW	1.0UN	1.0UNW	ug/L
- FURNACE	[1.0]	[1.0]	[1.0]	
SULFATE	2400	1300	1000	mg/L
	[100]	[50]	[50]	
CHLORIDE	5000	4300	4400	mg/L
	[1.0]	[1.0]	[1.0]	
BICARBONATE	410	760	1900	mg/L
	[1.0]	[1.0]	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REYENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-07-203

SAMPLE ID	MW-13-02	RG-US-02	RG-MS-02	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
MERCURY	0.2U [0.2]	0.2U [0.2]	0.2U [0.2]	ug/L
SILVER by ICP	50.0U [50.0]	26.0 [5.0]	30.0 [5.0]	ug/L
BERYLLIUM by ICP	4.0U [4.0]	3.0B [0.4]	3.0 [0.4]	ug/L
CALCIUM by ICP	865000 [100]	157000 [10.0]	160000 [100]	ug/L
CADMIUM by ICP	16.0U [16.0]	1.6U [1.6]	1.6U [1.6]	ug/L
CHROMIUM by ICP	40.0U [40.0]	20.0 [4.0]	25.0 [4.0]	ug/L
COPPER by ICP	43.0B [20.0]	33.0 [2.0]	34.0 [2.0]	ug/L
POTASSIUM by ICP	30000U [30000]	3000U [3000]	3000U [3000]	ug/L
MAGNESIUM by ICP	527000 [3.0]	44900 [0.3]	49200 [0.3]	ug/L
SODIUM by ICP	4590000 [160]	94400 [16.0]	97700 [16.0]	ug/L
NICKEL by ICP	80.0U [80.0]	25.0B [8.0]	33.0B [8.0]	ug/L
ANTIMONY by ICP	220U [220]	30.0B [22.0]	22.0U [22.0]	ug/L
ZINC by ICP	13.0U [13.0]	82.0 [1.3]	97.0 [1.3]	ug/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

SAMPLE ID		RG-DS-02	07/18/90	UNITS
TEST	SAMPLED			
MERCURY		0.2U		ug/L
		[0.2]		
SILVER by ICP		31.0		ug/L
		[5.0]		
BERYLLIUM by ICP		3.0B		ug/L
		[0.4]		
CALCIUM by ICP		159000		ug/L
		[10.0]		
CADMIUM by ICP		1.6U		ug/L
		[1.6]		
CHROMIUM by ICP		29.0		ug/L
		[4.0]		
COPPER by ICP		41.0		ug/L
		[2.0]		
POTASSIUM by ICP		3000U		ug/L
		[3000]		
MAGNESIUM by ICP		49100		ug/L
		[0.3]		
SODIUM by ICP		97900		ug/L
		[16.0]		
NICKEL by ICP		35.0B		ug/L
		[8.0]		
ANTIMONY by ICP		36.0B		ug/L
		[22.0]		
ZINC by ICP		100		ug/L
		[1.3]		

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-07-203

SAMPLE ID	RG-DS-02	
SAMPLED	07/18/90	
TEST		UNITS
ARSENIC	14.1W	ug/L
- FURNACE	[2.0]	
LEAD	22.0N	ug/L
-FURNACE	[1.0]	
SELENIUM	5.0UNW	ug/L
- FURNACE	[5.0]	
THALLIUM	1.0UNW	ug/L
- FURNACE	[1.0]	
SULFATE	180	mg/L
	[10]	
CHLORIDE	74	mg/L
	[1.0]	
BICARBONATE	180	mg/L
	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

SAMPLE ID	MW-6S-02	
SAMPLED	07/18/90	
TEST		UNITS
MERCURY	0.2U [0.2]	ug/L
SILVER by ICP	174 [50.0]	ug/L
BERYLLIUM by ICP	4.0U [4.0]	ug/L
CALCIUM by ICP	148000 [100]	ug/L
CADMIUM by ICP	16.0U [16.0]	ug/L
CHROMIUM by ICP	40.0U [40.0]	ug/L
COPPER by ICP	20.0U [20.0]	ug/L
POTASSIUM by ICP	30000U [30000]	ug/L
MAGNESIUM by ICP	91700 [3.0]	ug/L
SODIUM by ICP	1300 [160]	ug/L
NICKEL by ICP	80.0U [80.0]	ug/L
ANTIMONY by ICP	220U [220]	ug/L
ZINC by ICP	13.0U [13.0]	ug/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

SAMPLE ID	MW-6S-02	
SAMPLED	07/18/90	
TEST		UNITS
ARSENIC	49.7S	ug/L
- FURNACE	[10.0]	
LEAD	1.0UN	ug/L
-FURNACE	[1.0]	
SELENIUM	5.0UN	ug/L
- FURNACE	[5.0]	
THALLIUM	1.0UNW	ug/L
- FURNACE	[1.0]	
SULFATE	130	mg/L
	[10]	
CHLORIDE	1500	mg/L
	[1.0]	
BICARBONATE	1900	mg/L
	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

SAMPLE ID	MW-8-02	MW-10-02	MW-11-02	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
MERCURY	0.2U [0.2]	0.2U [0.2]	0.2U [0.2]	ug/L
SILVER by ICP	101 [50.0]	5.0U [5.0]	5.0U [5.0]	ug/L
BERYLLIUM by ICP	4.0U [4.0]	0.4U [0.4]	1.0B [0.4]	ug/L
CALCIUM by ICP	71100 [100]	124000 [10.0]	107000 [10.0]	ug/L
CADMIUM by ICP	16.0U [16.0]	1.6U [1.6]	2.0B [1.6]	ug/L
CHROMIUM by ICP	40.0U [40.0]	4.0U [4.0]	4.0U [4.0]	ug/L
COPPER by ICP	26.0B [20.0]	6.0B [2.0]	20.0B [2.0]	ug/L
POTASSIUM by ICP	30000U [30000]	3000U [3000]	3000U [3000]	ug/L
MAGNESIUM by ICP	58300 [3.0]	70700 [0.3]	93900 [0.3]	ug/L
SODIUM by ICP	1520000 [160]	951000 [16.0]	990000 [16.0]	ug/L
NICKEL by ICP	80.0U [80.0]	8.0B [8.0]	25.0B [8.0]	ug/L
ANTIMONY by ICP	220U [220]	22.0U [22.0]	27.0B [22.0]	ug/L
ZINC by ICP	28.0B [13.0]	1.3U [1.3]	2.0B [1.3]	ug/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

SAMPLE ID	MW-8-02	MW-10-02	MW-11-02	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
ARSENIC	88.1S	69.3	80.9S	ug/L
- FURNACE	[4.0]	[4.0]	[4.0]	
LEAD	1.0UN	1.0UN	1.0UN	ug/L
-FURNACE	[1.0]	[1.0]	[1.0]	
SELENIUM	5.0UN	5.0UN	5.0UNW	ug/L
- FURNACE	[5.0]	[5.0]	[5.0]	
THALLIUM	1.0UN	1.0UNW	1.0UNW	ug/L
- FURNACE	[1.0]	[1.0]	[1.0]	
SULFATE	62	110	91	mg/L
	[10]	[10]	[10]	
CHLORIDE	1200	970	850	mg/L
	[1.0]	[1.0]	[1.0]	
BICARBONATE	2500	1300	1600	mg/L
	[1.0]	[1.0]	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-204

SAMPLE ID	MW-7-02	MW-7-02 MATRIX	MW-7-02 MATRIX	
SAMPLED	07/18/90	SPIKE	SPIKE DUP	
TEST		07/18/90	07/18/90	UNITS
MERCURY	0.2U	100	100	
	[0.2]			
	ug/L	%	%	
SILVER by ICP	193	0.0	0.0	
	[50.0]			
	ug/L	%	%	
BERYLLIUM by ICP	4.0U	94.0	102.0	
	[4.0]			
	ug/L	%	%	
CALCIUM by ICP	278000	0.0	0.0	
	[100]			
	ug/L	%	%	
CADMIUM by ICP	16.0U	84.0	84.0	
	[16.0]			
	ug/L	%	%	
CHROMIUM by ICP	40.0U	80.0	92.5	
	[40.0]			
	ug/L	%	%	
COPPER by ICP	20.0U	86.0	104.0	
	[20.0]			
	ug/L	%	%	
POTASSIUM by ICP	30000U	0.0	0.0	
	[30000]			
	ug/L	%	%	
MAGNESIUM by ICP	137000	0.0	0.0	
	[3.0]			
	ug/L	%	%	
SODIUM by ICP	1710000	0.0	0.0	
	[160]			
	ug/L	%	%	
NICKEL by ICP	80.0U	88.0	109.0	
	[80.0]			
	ug/L	%	%	
ANTIMONY by ICP	220U	99.8	76.2	
	[220]			
	ug/L	%	%	
ZINC by ICP	13.0U	97.8	107.4	
	[13.0]			
	ug/L	%	%	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-204

SAMPLE ID	MW-7-02	MW-7-02 MATRIX	MW-7-02 MATRIX	
SAMPLED	07/18/90	SPIKE	SPIKE DUP	
TEST		07/18/90	07/18/90	UNITS
ARSENIC	6.10	85.0	87.8	
- FURNACE	[2.0]			
	ug/L	%	%	
LEAD	1.0UN	0.0	0.0	
-FURNACE	[1.0]			
	ug/L	%	%	
SELENIUM	5.0UN	0.0	0.0	
- FURNACE	[5.0]			
	ug/L	%	%	
THALLIUM	1.0UN	0.0	0.0	
- FURNACE	[1.0]			
	ug/L	%	%	
SULFATE	540	120	120	mg/L
	[20]			
		% Rec.	% Rec.	
CHLORIDE	2400	100	90	mg/L
	[1.0]			
		% Rec.	% Rec.	
BICARBONATE	1100	17	17	
	[1.0]			
	mg/L	% RPD	% RPD	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

FT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-205

SAMPLE ID	MW-12-02	MW-6S-02-D	LAB BLANK 1	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
MERCURY	0.2U [0.2]	0.2U [0.2]	0.2U [0.2]	ug/L
SILVER by ICP	75.0B [50.0]	223 [50.0]	5.0U [5.0]	ug/L
BERYLLIUM by ICP	4.0B [4.0]	4.0U [4.0]	0.4U [0.4]	ug/L
CALCIUM by ICP	989000 [100]	143000 [100]	57.0B [10.0]	ug/L
CADMIUM by ICP	16.0U [16.0]	16.0U [16.0]	1.6U [1.6]	ug/L
CHROMIUM by ICP	40.0U [40.0]	40.0U [40.0]	4.0U [4.0]	ug/L
COPPER by ICP	83.0 [20.0]	53.0B [20.0]	2.0U [2.0]	ug/L
POTASSIUM by ICP	30000U [30000]	30000U [30000]	3000U [3000]	ug/L
MAGNESIUM by ICP	510000 [3.0]	88600 [3.0]	21.0B [0.3]	ug/L
SODIUM by ICP	3810000 [160]	1250000 [160]	19.0B [16.0]	ug/L
NICKEL by ICP	80.0U [80.0]	80.0U [80.0]	8.0U [8.0]	ug/L
ANTIMONY by ICP	220U [220]	220U [220]	22.0U [22.0]	ug/L
ZINC by ICP	59.0B [13.0]	13.0B [13.0]	1.3U [1.3]	ug/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-205

SAMPLE ID	MW-12-02	MW-6S-02-D	LAB BLANK 1	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
ARSENIC	2.0UW	42.1S	2.0U	ug/L
- FURNACE	[2.0]	[10.0]	[2.0]	
LEAD	1.0UNE	1.0UNW	1.0UN	ug/L
-FURNACE	[1.0]	[1.0]	[1.0]	
SELENIUM	5.0UNW	5.0UNW	5.0UN	ug/L
- FURNACE	[5.0]	[5.0]	[5.0]	
THALLIUM	1.0UNE	1.0UNW	1.0UN	ug/L
- FURNACE	[1.0]	[1.0]	[1.0]	
SULFATE	2300	130	ND	mg/L
	[100]	[10]	[1.0]	
CHLORIDE	8200	1500	ND	mg/L
	[1.0]	[1.0]	[1.0]	
BICARBONATE	510	1800	5.4	mg/L
	[1.0]	[1.0]	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

SAMPLE ID	MW-6D-02	MW-9S-02	MW-9D-02	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
MERCURY	0.2U [0.2]	0.2U [0.2]	0.2U [0.2]	ug/L
SILVER by ICP	50.0U [50.0]	5.0U [5.0]	50.0U [50.0]	ug/L
BERYLLIUM by ICP	4.0U [4.0]	0.4U [0.4]	4.0B [4.0]	ug/L
CALCIUM by ICP	490000 [100]	188000 [10.0]	504000 [100]	ug/L
CADMIUM by ICP	20.0B [16.0]	1.6U [1.6]	16.0U [16.0]	ug/L
CHROMIUM by ICP	40.0U [40.0]	4.0U [4.0]	40.0U [40.0]	ug/L
COPPER by ICP	39.0B [20.0]	11.0B [2.0]	55.0B [20.0]	ug/L
POTASSIUM by ICP	30000U [30000]	3000U [3000]	30000U [30000]	ug/L
MAGNESIUM by ICP	271000 [3.0]	81500 [0.3]	331000 [3.0]	ug/L
SODIUM by ICP	3130000 [160]	1170000 [16.0]	2950000 [160]	ug/L
NICKEL by ICP	80.0U [80.0]	8.0U [8.0]	80.0U [80.0]	ug/L
ANTIMONY by ICP	220U [220]	34.0B [22.0]	220U [220]	ug/L
ZINC by ICP	13.0U [13.0]	1.3U [1.3]	13.0U [13.0]	ug/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-204

SAMPLE ID	MW-6D-02	MW-9S-02	MW-9D-02	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
ARSENIC	2.0U	2.0UW	2.0UW	ug/L
- FURNACE	[2.0]	[2.0]	[2.0]	
LEAD	1.0UNW	1.0UNW	1.0UNW	ug/L
-FURNACE	[1.0]	[1.0]	[1.0]	
SELENIUM	5.0UNW	5.0UN	5.0UN	ug/L
- FURNACE	[5.0]	[5.0]	[5.0]	
THALLIUM	1.0UN	1.0UN	1.0UNW	ug/L
- FURNACE	[1.0]	[1.0]	[1.0]	
SULFATE	2500	1900	1800	mg/L
	[100]	[100]	[100]	
CHLORIDE	4900	3700	5100	mg/L
	[1.0]	[1.0]	[1.0]	
BICARBONATE	550	530	430	mg/L
	[1.0]	[1.0]	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

Work Order: 80-07-205

SAMPLE ID	LAB BLANK 2	
SAMPLED	07/18/90	
TEST		UNITS
MERCURY	0.2U [0.2]	ug/L
SILVER by ICP	5.0U [5.0]	ug/L
BERYLLIUM by ICP	0.4U [0.4]	ug/L
CALCIUM by ICP	40.0B [10.0]	ug/L
CADMIUM by ICP	1.6U [1.6]	ug/L
CHROMIUM by ICP	4.0U [4.0]	ug/L
COPPER by ICP	2.0U [2.0]	ug/L
POTASSIUM by ICP	3000U [3000]	ug/L
MAGNESIUM by ICP	18.0B [0.3]	ug/L
SODIUM by ICP	23.0B [16.0]	ug/L
NICKEL by ICP	8.0U [8.0]	ug/L
ANTIMONY by ICP	22.0U [22.0]	ug/L
ZINC by ICP	1.3U [1.3]	ug/L

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-07-205

SAMPLE ID	LAB BLANK 2	
SAMPLED	07/18/90	
TEST		UNITS
ARSENIC	2.0U	ug/L
- FURNACE	[2.0]	
LEAD	1.0UN	ug/L
-FURNACE	[1.0]	
SELENIUM	5.0UN	ug/L
- FURNACE	[5.0]	
THALLIUM	1.0UN	ug/L
- FURNACE	[1.0]	
SULFATE	ND	mg/L
	[1.0]	
CHLORIDE	ND	mg/L
	[1.0]	
BICARBONATE	2.7	mg/L
	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

- SOIL-OIL AND GREASE RESULTS

Company: EDER ASSOCIATES

Date: 08/20/90

Client Work ID: REIENE BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-03-276

SAMPLE ID	C-TP-1	C-TP-2	C-TP-3	
SAMPLED	03/28/90	03/28/90	03/28/90	UNITS
TEST				
OIL & GREASE	55 [50]	59 [50]	91 [50]	mg/kg

Company: EDER ASSOCIATES

Date: 08/20/90

Client Work ID: REXENE BRICKLAND REFINERY

Work Order: B0-03-276

SAMPLE ID	C-TP-4	C-TP-5	C-TP-6	
SAMPLED	03/28/90	03/28/90	03/28/90	UNITS
TEST				
OIL & GREASE	130	3000	90	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/20/90

Client Work ID: REXENE BRICKLAND REFINERY

Work Order: B0-03-276

SAMPLE ID	C-TP-7	C-TP-8-S	E-TP-9	
SAMPLED	03/28/90	03/28/90	03/29/90	UNITS
TEST				
OIL & GREASE	2100	130000	33000	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/20/90

Client Work ID: REYENE BRICKLAND REFINERY

Work Order: B0-03-276

SAMPLE ID	E-TP-10	E-TP-11	E-TP-12	
SAMPLED	03/29/90	03/29/90	03/29/90	UNITS
TEST				
OIL & GREASE	1200 [50]	10000 [50]	13000 [50]	mg/kg

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: EDER ASSOCIATES

Date: 08/20/90

Client Work ID: REXENE BRICKLAND REFINERY

Work Order: B0-03-276

SAMPLE ID	C-TP-8-D	MW-4-SS-08	MW-5-SS-04	
SAMPLED	03/28/90	03/28/90	03/27/90	UNITS
TEST				
OIL & GREASE	13000 [50]	1400 [50]	2900 [50]	mg/kg

Page: 8

Company: EDER ASSOCIATES

Date: 08/20/90

Client Work ID: REYENE BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-03-276

SAMPLE ID	MW-8-SS-08	
SAMPLED	03/29/90	
TEST		UNITS
OIL & GREASE	330 [50]	mg/kg

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-007

SAMPLE ID	E-TP-13	E-TP-14	E-TP-15	
SAMPLED	03/29/90	03/29/90	03/29/90	UNITS
TEST				
OIL & GREASE	120	3000	9600	mg/kg
	[50]	[50]	[50]	

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-007

SAMPLE ID	E-TP-16	E-TP-17	E-TP-18	
SAMPLED	03/29/90	03/29/90	03/29/90	UNITS
TEST				
OIL & GREASE	5300	9700	9700	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-007

SAMPLE ID	E-TP-19	E-TP-20	E-TP-21	
SAMPLED	03/29/90	03/29/90	03/29/90	
TEST				UNITS
OIL & GREASE	4500	14000	10000	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-007

SAMPLE ID	E-TP-23	E-TP-24	E-TP-25	
SAMPLED	03/30/90	03/30/90	03/30/90	UNITS
TEST				
OIL & GREASE	790	3900	22000	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-007

SAMPLE ID	E-TP-26	E-TP-27	MW-7-SS-02	
SAMPLED	03/30/90	03/30/90	03/30/90	UNITS
TEST				
OIL & GREASE	9500	5500	5100	mg/kg
	[50]	[50]	[50]	

11-80

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-007

SAMPLE ID	B-1-(06-08)	E-TP-22-1	E-TP-22-2	
SAMPLED	03/30/90	03/30/90	03/30/90	UNITS
TEST				
OIL & GREASE	350	93000	6900	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-177

SAMPLE ID	MW-10-SS-06	MW-11-SS-10	MW-6-SS-06	
SAMPLED	04/10/90	04/10/90	04/10/90	UNITS
TEST				
OIL & GREASE	16000	4500	630	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-177

SAMPLE ID	B-TP-83	B-TP-84	B-TP-85	
SAMPLED	04/12/90	04/12/90	04/12/90	UNITS
TEST				
OIL & GREASE	73 [50]	79 [50]	51 [50]	mg/kg

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-177

SAMPLE ID	B-TP-86	A-TP-87	A-TP-88	
SAMPLED	04/12/90	04/12/90	04/12/90	UNITS
TEST				
OIL & GREASE	160	100	110	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-177

SAMPLE ID	A-TP-89	A-TP-90	F-TP-91	
SAMPLED	04/12/90	04/12/90	04/12/90	UNITS
TEST				
OIL & GREASE	130	100	510	mg/kg
	{ 50}	{ 50}	{ 50}	

Page: 2

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-106

SAMPLE ID	E-TP-28	E-TP-29	E-TP-30	
SAMPLED	04/06/90	04/06/90	04/06/90	UNITS
TEST				
OIL & GREASE	3900	55000	5000	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-106

SAMPLE ID	E-TP-31	E-TP-32	E -TP-33	
SAMPLED	04/06/90	04/06/90	04/06/90	UNITS
TEST				
OIL & GREASE	17000	18000	2200	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-106

SAMPLE ID	E-TP-34	E-TP-35	E-TP-36	
SAMPLED	04/06/90	04/06/90	04/06/90	UNITS
TEST				
OIL & GREASE	1200 [50]	2200 [50]	1700 [50]	mg/kg

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-106

SAMPLE ID	E-TP-37	B-28	
SAMPLED	04/06/90	04/06/90	
TEST			UNITS
OIL & GREASE	1300	760	
	[50]	[50]	mg/kg

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 72 55

SAMPLE ID	F-TP-38	F-TP-39	F-TP-40	
SAMPLED	04/08/90	04/08/90	04/08/90	
TEST				U1
OIL & GREASE	5400	39000	6900	mg
	[50]	[50]	[50]	

Page: 1

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-112

SAMPLE ID	F-TP-41	F-TP-42	F-TP-43	
SAMPLED	04/08/90	04/08/90	04/08/90	UNITS
TEST				
OIL & GREASE	580	3600	4900	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-112

SAMPLE ID	F-TP-44	F-TP-45	F-TP-46	
SAMPLED	04/08/90	04/08/90	04/08/90	UNITS
TEST				
OIL & GREASE	ND [50]	780 [50]	820 [50]	mg/kg

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-112

SAMPLE ID	F-TP-47	F-TP-48	F-TP-49	
SAMPLED	04/08/90	04/08/90	04/08/90	UNITS
TEST				
OIL & GREASE	1700	10000	4800	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX

(512) 892-6684

Work Order: B0-04-112

SAMPLE ID	B-HA-1	B-HA-2	B-HA-3	
SAMPLED	04/07/90	04/07/90	04/07/90	UNITS
TEST				
OIL & GREASE	230 [50]	110 [50]	150 [50]	mg/kg

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-112

SAMPLE ID	B-HA-4	A-HA-5	F-TP-50	
SAMPLED	04/07/90	04/07/90	04/09/90	UNITS
TEST				
OIL & GREASE	6100	56	14000	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-112

SAMPLE ID	D-TP-51	D-TP-52	D-TP-53	
SAMPLED	04/09/90	04/09/90	04/09/90	UNITS
TEST				
OIL & GREASE	11000	8100	4000	mg/kg
	{ 50}	{ 50}	{ 50}	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-112

SAMPLE ID	D-TP-54	F-TP-55	F-TP-56	
SAMPLED	04/09/90	04/09/90	04/09/90	UNITS
TEST				
OIL & GREASE	370	5500	2500	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-170

SAMPLE ID	G-TP-69	G-TP-70	G-TP-71	
SAMPLED	04/10/90	04/10/90	04/10/90	UNITS
TEST				
OIL & GREASE	5900	12000	12000	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-170

SAMPLE ID	G-TP-72	G-TP-73	G-TP-74	
SAMPLED	04/10/90	04/10/90	04/10/90	UNITS
TEST				
OIL & GREASE	2900 [50]	20000 [50]	310 [50]	mg/kg

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-170

SAMPLE ID	G-TP-75	G-TP-76	G-TP-77	
SAMPLED	04/10/90	04/10/90	04/10/90	UNITS
TEST				
OIL & GREASE	30000	2000	5600	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-170

SAMPLE ID	G-TP-78	G-TP-79	G-TP-80	
SAMPLED	04/10/90	04/10/90	04/10/90	UNITS
TEST				
OIL & GREASE	3900	1800	44000	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-170

SAMPLE ID	H-TP-81	H-TP-82	F-TP-57	
SAMPLED	04/10/90	04/10/90	04/10/90	UNITS
TEST				
OIL & GREASE	61000	21000	96	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-170

SAMPLE ID	F-TP-58	F-TP-59	F-TP-60	
SAMPLED	04/10/90	04/10/90	04/10/90	UNITS
TEST				
OIL & GREASE	14000	6600	210	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-170

SAMPLE ID	F-TP-61	F-TP-62	A-TP-63	
SAMPLED	04/10/90	04/10/90	04/10/90	UNITS
TEST				
OIL & GREASE	3100	3000	320	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-170

SAMPLE ID	A-TP-64	A-TP-65	G-TP-66	
SAMPLED	04/10/90	04/10/90	04/10/90	UNITS
TEST				
OIL & GREASE	300	76	23000	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-170

SAMPLE ID	G-TP-67	G-TP-68	G-TP-68-1	
SAMPLED	04/10/90	04/10/90	04/10/90	UNITS
TEST				
OIL & GREASE	2800	120000	13000	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX

(512) 892-6684

Work Order: B0-04-170

SAMPLE ID	G-TP-68-2	
SAMPLED	04/10/90	
TEST		UNITS
OIL & GREASE	6500 [50]	mg/kg

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-023

SAMPLE ID	B-2	B-3	B-4	
SAMPLED	04/03/90	04/03/90	04/03/90	UNITS
TEST				
OIL & GREASE	2500	1700	800	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-023

SAMPLE ID	B-5	B-6	B-7	
SAMPLED	04/03/90	04/03/90	04/03/90	UNITS
TEST				
OIL & GREASE	210 [50]	2100 [50]	ND [50]	mg/kg

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-023

SAMPLE ID	B-8	
SAMPLED	04/03/90	
TEST	UNITS	
OIL & GREASE	190 [50]	mg/kg

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-052

SAMPLE ID	B-12	B-13	B-14	
SAMPLED	04/04/90	04/04/90	04/04/90	UNITS
TEST				
OIL & GREASE	1700	1500	420	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX

(512) 892-6684

Work Order: B0-04-052

SAMPLE ID	B-15	B-16	B-17	
SAMPLED	04/04/90	04/04/90	04/04/90	UNITS
TEST				
OIL & GREASE	1300 [50]	2500 [50]	730 [50]	mg/kg

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-052

SAMPLE ID	B-18	B-19	B-20	
SAMPLED	04/04/90	04/04/90	04/04/90	UNITS
TEST				
OIL & GREASE	1500	140	2800	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/21/90

Client Work ID: REXENE-OLD BRICKLAND PHASE I

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-203

SAMPLE ID	MW-13-02	RG-US-02	RG-MS-02	
SAMPLED	07/18/90	07/18/90	07/18/90	
TEST				UNITS
ARSENIC	2.0U	11.0W	14.5	ug/L
- FURNACE	[2.0]	[2.0]	[2.0]	
LEAD	1.0UNE	20.7SN	22.4SN	ug/L
-FURNACE	[1.0]	[1.0]	[1.0]	
SELENIUM	5.0UNW	5.0UNW	5.0UNW	ug/L
- FURNACE	[5.0]	[5.0]	[5.0]	
THALLIUM	1.0UNW	1.0UNW	1.0UNW	ug/L
- FURNACE	[1.0]	[1.0]	[1.0]	
SULFATE	3800	180	180	mg/L
	[100]	[10]	[10]	
CHLORIDE	7800	68	71	mg/L
	[1.0]	[1.0]	[1.0]	
BICARBONATE	340	230	160	mg/L
	[1.0]	[1.0]	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-052

SAMPLE ID	B-21	B-22	B-23	
SAMPLED	04/04/90	04/04/90	04/04/90	UNITS
TEST				
OIL & GREASE	1300	3900	360	mg/kg
	[50]	[50]	[50]	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-052

SAMPLE ID	B-24	
SAMPLED	04/04/90	
TEST		UNITS
OIL & GREASE	340	mg/kg
	[50]	

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: EDER ASSOCIATES

Date: 08/20/90

Client Work ID: MUSIENE/BRICKLAND REFINERY

Work Order: B0-04-106

SAMPLE ID	E-TP-37	B-28	
SAMPLED	04/06/90	04/06/90	
TEST			UNITS
OIL & GREASE	1300	760	mg/kg
	[50]	[50]	

- SOIL-COMPOSITE METAL RESULTS

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-121

SAMPLE ID	F-TP/B-27,28, 45,46 04/08/90	F-TP-37,38,39, 40 04/08/90	F-TP-41,42,43, 44 04/08/90	UNITS
SAMPLED				
TEST				
ARSENIC by ICP	ND [1.4]	ND [1.4]	ND [1.4]	mg/kg
SELENIUM by ICP	ND [1.3]	ND [1.3]	ND [1.3]	mg/kg
MERCURY	0.13 [0.020]	0.14 [0.020]	0.71 [0.020]	mg/kg
SILVER by ICP	ND [0.25]	ND [0.25]	ND [0.25]	mg/kg
BERYLLIUM by ICP	2.0 [0.020]	1.9 [0.020]	1.5 [0.020]	mg/kg
CADMIUM by ICP	2.7 [0.080]	3.4 [0.080]	3.9 [0.080]	mg/kg
CHROMIUM by ICP	8.1 [0.20]	12 [0.20]	9.5 [0.20]	mg/kg
COPPER by ICP	75 [0.10]	90 [0.10]	100 [0.10]	mg/kg
NICKEL by ICP	6.9 [0.40]	10 [0.40]	7.9 [0.40]	mg/kg
LEAD by ICP	470 [1.1]	660 [1.1]	480 [1.1]	mg/kg
ANTIMONY by ICP	ND [1.1]	ND [1.1]	ND [1.1]	mg/kg
THALLIUM by ICP	ND [0.65]	ND [0.65]	ND [0.65]	mg/kg
ZINC by ICP	580 [0.065]	84 [0.065]	67 [0.065]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/16/90

Client Work ID: REYENE BRICKLAND REFINERY

Work Order: B0-03-277

SAMPLE ID	C-TP-1,2,3,4	C-TP-5,6,7,8	E-TP-9,10,11, 12	
SAMPLED	03/28/90	03/28/90	03/28/90	
TEST				UNITS
MERCURY	0.18 [0.020]	0.08 [0.020]	ND [0.020]	mg/kg
SILVER by ICP	ND [0.50]	ND [0.50]	1.00 [0.50]	mg/kg
BERYLLIUM by ICP	0.76 [0.040]	0.58 [0.040]	1.1 [0.040]	mg/kg
CADMIUM by ICP	6.9 [0.32]	7.6 [0.32]	1.2 [0.32]	mg/kg
CHROMIUM by ICP	5.7 [0.40]	5.2 [0.40]	7.7 [0.40]	mg/kg
COPPER by ICP	160 [0.20]	130 [0.20]	9.5 [0.20]	mg/kg
NICKEL by ICP	7.3 [0.80]	5.2 [0.80]	8.4 [0.80]	mg/kg
ZINC by ICP	190 [0.13]	140 [0.13]	29 [0.13]	mg/kg
ARSENIC - FURNACE	47 [0.40]	0.34 [0.40]	19.0 [0.40]	mg/kg
LEAD -FURNACE	400 [10]	490 [50]	23 [1.0]	mg/kg
ANTIMONY - FURNACE	ND [0.30]	ND [0.30]	ND [0.30]	mg/kg
SELENIUM - FURNACE	ND [0.50]	ND [0.50]	ND [0.50]	mg/kg
THALLIUM - FURNACE	ND [0.10]	ND [0.10]	ND [0.10]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/16/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-008

SAMPLE ID	E-TP-13,14,15, 16	E-TP-17,18,19, 20	E-TP-21,22,23, 24	
SAMPLED	03/29/90	03/29/90	03/29/90	
TEST				UNITS
MERCURY	0.06 [0.020]	ND [0.020]	ND [0.020]	mg/kg
SILVER by ICP	ND [0.50]	ND [0.50]	ND [0.50]	mg/kg
BERYLLIUM by ICP	0.050 [0.040]	0.44 [0.040]	0.55 [0.040]	mg/kg
CADMIUM by ICP	3.5 [0.32]	1.5 [0.32]	1.8 [0.32]	mg/kg
CHROMIUM by ICP	8.3 [0.40]	7.0 [0.40]	6.5 [0.40]	mg/kg
COPPER by ICP	37 [0.20]	7.0 [0.20]	16 [0.20]	mg/kg
NICKEL by ICP	6.3 [0.80]	6.1 [0.80]	6.0 [0.80]	mg/kg
ZINC by ICP	38 [0.13]	24 [0.13]	30 [0.13]	mg/kg
ARSENIC - FURNACE	15 [0.40]	6.5 [0.40]	7.5 [0.40]	mg/kg
LEAD -FURNACE	77 [2.0]	74 [2.0]	40 [1.0]	mg/kg
ANTIMONY - FURNACE	ND [0.30]	ND [0.30]	ND [0.30]	mg/kg
SELENIUM - FURNACE	ND [0.50]	ND [0.50]	ND [0.50]	mg/kg
THALLIUM - FURNACE	ND [0.10]	ND [0.10]	ND [0.10]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/16/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-008

SAMPLE ID	E-TP-25,26,27	
SAMPLED	03/30/90	
TEST		UNITS
MERCURY	0.42 [0.020]	mg/kg
SILVER by ICP	ND [0.50]	mg/kg
BERYLLIUM by ICP	0.61 [0.040]	mg/kg
CADMIUM by ICP	5.8 [0.32]	mg/kg
CHROMIUM by ICP	9.8 [0.40]	mg/kg
COPPER by ICP	4200 [0.20]	mg/kg
NICKEL by ICP	13 [0.80]	mg/kg
ZINC by ICP	950 [0.13]	mg/kg
ARSENIC - FURNACE	12 [0.40]	mg/kg
LEAD -FURNACE	7500 [200]	mg/kg
ANTIMONY - FURNACE	ND [0.30]	mg/kg
SELENIUM - FURNACE	ND [0.50]	mg/kg
THALLIUM - FURNACE	ND [0.10]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-176

SAMPLE ID	F-TP-91	F-TP-59, 60, 61, 62	G-TP-66, 67, 68, 69	UNITS
SAMPLED	04/12/90	04/12/90	04/12/90	
TEST				
ARSENIC by ICP	ND [1.4]	ND [1.4]	ND [1.4]	mg/kg
SELENIUM by ICP	ND [1.3]	ND [1.3]	ND [1.3]	mg/kg
MERCURY	0.03 [0.02]	1.3 [0.04]	0.17 [0.02]	mg/kg
SILVER by ICP	0.47 [0.25]	ND [0.25]	ND [0.25]	mg/kg
BERYLLIUM by ICP	3.7 [0.020]	4.3 [0.020]	3.6 [0.020]	mg/kg
CADMIUM by ICP	0.88 [0.080]	7.2 [0.080]	16 [0.080]	mg/kg
CHROMIUM by ICP	4.9 [0.20]	78 [0.20]	180 [0.20]	mg/kg
COPPER by ICP	6.7 [0.10]	270 [0.10]	270 [0.10]	mg/kg
NICKEL by ICP	7.3 [0.40]	17 [0.40]	90 [0.40]	mg/kg
LEAD by ICP	18 [1.1]	430 [1.1]	400 [1.1]	mg/kg
ANTIMONY by ICP	ND [1.1]	ND [1.1]	ND [1.1]	mg/kg
THALLIUM by ICP	ND [0.65]	ND [0.65]	ND [0.65]	mg/kg
ZINC by ICP	24 [0.065]	560 [0.065]	280 [0.065]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-176

SAMPLE ID	G-TP-70,71,72, 73	G-TP-74,75,76	G-TP-78,79,80	
SAMPLED	04/12/90	04/12/90	04/12/90	
TEST				UNITS
ARSENIC by ICP	ND [1.4]	ND [1.4]	ND [1.4]	mg/kg
SELENIUM by ICP	ND [1.3]	ND [1.3]	ND [1.3]	mg/kg
MERCURY	ND [0.02]	0.18 [0.02]	ND [0.02]	mg/kg
SILVER by ICP	ND [0.25]	ND [0.25]	ND [0.25]	mg/kg
BERYLLIUM by ICP	3.9 [0.020]	4.1 [0.020]	3.5 [0.020]	mg/kg
CADMIUM by ICP	5.6 [0.080]	15 [0.080]	1.8 [0.080]	mg/kg
CHROMIUM by ICP	68 [0.20]	17 [0.20]	73 [0.20]	mg/kg
COPPER by ICP	4600 [0.10]	450 [0.10]	18 [0.10]	mg/kg
NICKEL by ICP	19 [0.40]	11 [0.40]	39 [0.40]	mg/kg
LEAD by ICP	8300 [1.1]	690 [1.1]	38 [1.1]	mg/kg
ANTIMONY by ICP	ND [1.1]	ND [1.1]	ND [1.1]	mg/kg
THALLIUM by ICP	ND [0.65]	ND [0.65]	ND [0.65]	mg/kg
ZINC by ICP	210 [0.065]	520 [0.065]	37 [0.065]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REIXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-176

SAMPLE ID	F-TP-47,48,49, 50	B-HA-1,2,3,4	MW-7-SS-02	
SAMPLED	04/09/90	04/08/90	04/08/90	
TEST				UNITS
ARSENIC by ICP	ND [1.4]	ND [1.4]	ND [1.4]	mg/kg
SELENIUM by ICP	ND [1.3]	ND [1.3]	ND [1.3]	mg/kg
MERCURY	0.15 [0.02]	0.18 [0.02]	0.23 [0.02]	mg/kg
SILVER by ICP	6.0 [0.25]	1.5 [0.25]	ND [0.25]	mg/kg
BERYLLIUM by ICP	6.0 [0.020]	3.0 [0.020]	4.4 [0.020]	mg/kg
CADMIUM by ICP	5.0 [0.080]	5.3 [0.080]	2.9 [0.080]	mg/kg
CHROMIUM by ICP	60 [0.20]	27 [0.20]	13 [0.20]	mg/kg
COPPER by ICP	240 [0.10]	360 [0.10]	29 [0.10]	mg/kg
NICKEL by ICP	30 [0.40]	6.2 [0.40]	12 [0.40]	mg/kg
LEAD by ICP	540 [1.1]	840 [1.1]	83 [1.1]	mg/kg
ANTIMONY by ICP	ND [1.1]	ND [1.1]	ND [1.1]	mg/kg
THALLIUM by ICP	ND [0.65]	ND [0.65]	ND [0.65]	mg/kg
ZINC by ICP	710 [0.065]	120 [0.065]	51 [0.065]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-176

SAMPLE ID	A-HA/TP-5,63, 64,65	G-TP-77	MW-1,3,6,9	
SAMPLED	04/12/90	04/11/90	04/12/90	
TEST				UNITS
ARSENIC by ICP	ND [1.4]	ND [1.4]	ND [1.4]	mg/kg
SELENIUM by ICP	ND [1.3]	ND [1.3]	ND [1.3]	mg/kg
MERCURY	0.0003 [0.0002]	ND [0.02]	0.20 [0.02]	mg/kg
SILVER by ICP	ND [0.25]	2.2 [0.25]	ND [0.25]	mg/kg
BERYLLIUM by ICP	2.1 [0.020]	3.3 [0.020]	2.5 [0.020]	mg/kg
CADMIUM by ICP	2.4 [0.080]	1.4 [0.080]	6.7 [0.080]	mg/kg
CHROMIUM by ICP	8.0 [0.20]	12 [0.20]	26 [0.20]	mg/kg
COPPER by ICP	75 [0.10]	8.3 [0.10]	100 [0.10]	mg/kg
NICKEL by ICP	5.5 [0.40]	11 [0.40]	16 [0.40]	mg/kg
LEAD by ICP	140 [1.1]	17 [1.1]	190 [1.1]	mg/kg
ANTIMONY by ICP	ND [1.1]	ND [1.1]	ND [1.1]	mg/kg
THALLIUM by ICP	ND [0.65]	ND [0.65]	ND [0.65]	mg/kg
ZINC by ICP	63 [0.065]	38 [0.065]	120 [0.065]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-176

SAMPLE ID	MW-2,10,11	MW-12-SS-02	F-TP-55,56,57, 58	
SAMPLED	04/12/90	04/12/90	04/12/90	
TEST				UNITS
ARSENIC by ICP	ND [1.4]	ND [1.4]	ND [1.4]	mg/kg
SELENIUM by ICP	ND [1.3]	ND [1.3]	ND [1.3]	mg/kg
MERCURY	0.05 [0.02]	0.13 [0.02]	0.13 [0.02]	mg/kg
SILVER by ICP	0.92 [0.25]	ND [0.25]	0.90 [0.25]	mg/kg
BERYLLIUM by ICP	2.1 [0.020]	2.7 [0.020]	4.1 [0.020]	mg/kg
CADMIUM by ICP	1.8 [0.080]	6.7 [0.080]	3.4 [0.080]	mg/kg
CHROMIUM by ICP	12 [0.20]	13 [0.20]	20 [0.20]	mg/kg
COPPER by ICP	48 [0.10]	170 [0.10]	84 [0.10]	mg/kg
NICKEL by ICP	7.6 [0.40]	9.8 [0.40]	9.6 [0.40]	mg/kg
LEAD by ICP	130 [1.1]	330 [1.1]	100 [1.1]	mg/kg
ANTIMONY by ICP	ND [1.1]	ND [1.1]	ND [1.1]	mg/kg
THALLIUM by ICP	ND [0.65]	ND [0.65]	ND [0.65]	mg/kg
ZINC by ICP	48 [0.065]	220 [0.065]	78 [0.065]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-176

SAMPLE ID	H-TP-81,82	B-TP-83,84,85 [?]	A-TP-87,88,89,86	UNITS
SAMPLED	04/12/90	04/12/90	04/12/90	
TEST				
ARSENIC by ICP	ND [1.4]	ND [1.4]	ND [1.4]	mg/kg
SELENIUM by ICP	ND [1.3]	ND [1.3]	ND [1.3]	mg/kg
MERCURY	ND [0.02]	0.07 [0.02]	ND [0.0002]	mg/kg
SILVER by ICP	ND [0.25]	1.4 [0.25]	1.0 [0.25]	mg/kg
BERYLLIUM by ICP	3.0 [0.020]	2.4 [0.020]	2.0 [0.020]	mg/kg
CADMIUM by ICP	1.3 [0.080]	2.3 [0.080]	3.2 [0.080]	mg/kg
CHROMIUM by ICP	9.0 [0.20]	8.0 [0.20]	10 [0.20]	mg/kg
COPPER by ICP	7.3 [0.10]	3.2 [0.10]	67 [0.10]	mg/kg
NICKEL by ICP	7.4 [0.40]	6.3 [0.40]	9.8 [0.40]	mg/kg
LEAD by ICP	16 [1.1]	79 [1.1]	51 [1.1]	mg/kg
ANTIMONY by ICP	ND [1.1]	ND [1.1]	ND [1.1]	mg/kg
THALLIUM by ICP	ND [0.65]	ND [0.65]	ND [0.65]	mg/kg
ZINC by ICP	31 [0.065]	86 [0.065]	61 [0.065]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-107

SAMPLE ID	CUL-1-1	CUL-1-2	CUL-2-1	
SAMPLED	04/06/90	04/06/90	04/06/90	
TEST				UNITS
ARSENIC by ICP	ND [1.4]	ND [2.3]	ND [1.4]	mg/kg
SELENIUM by ICP	ND [1.3]	ND [2.1]	ND [1.3]	mg/kg
MERCURY	ND [0.020]	0.27 [0.030]	ND [0.020]	mg/kg
SILVER by ICP	ND [0.25]	1.0 [0.40]	ND [0.25]	mg/kg
BERYLLIUM by ICP	1.3 [0.020]	1.6 [0.030]	1.7 [0.020]	mg/kg
CADMIUM by ICP	1.8 [0.080]	7.9 [0.13]	2.8 [0.080]	mg/kg
CHROMIUM by ICP	12 [0.20]	39 [0.30]	15 [0.20]	mg/kg
COPPER by ICP	17 [0.10]	240 [0.16]	23 [0.10]	mg/kg
NICKEL by ICP	9.2 [0.40]	12 [0.65]	12 [0.40]	mg/kg
LEAD by ICP	11 [1.1]	260 [1.8]	18 [1.1]	mg/kg
ANTIMONY by ICP	ND [1.1]	ND [1.8]	ND [1.1]	mg/kg
THALLIUM by ICP	ND [0.65]	ND [1.1]	ND [0.65]	mg/kg
ZINC by ICP	38 [0.065]	190 [0.10]	49 [0.065]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: BO-04-107

SAMPLE ID	CUL-3-1	CUL-3-2	
SAMPLED	04/06/90	04/06/90	
TEST			UNITS
ARSENIC by ICP	ND [1.4]	ND [1.4]	mg/kg
SELENIUM by ICP	ND [1.3]	ND [1.3]	mg/kg
MERCURY	ND [0.020]	ND [0.020]	mg/kg
SILVER by ICP	ND [0.25]	ND [0.25]	mg/kg
BERYLLIUM by ICP	0.97 [0.020]	2.2 [0.020]	mg/kg
CADMIUM by ICP	1.2 [0.080]	3.2 [0.080]	mg/kg
CHROMIUM by ICP	10 [0.20]	16 [0.20]	mg/kg
COPPER by ICP	8.3 [0.10]	18 [0.10]	mg/kg
NICKEL by ICP	6.9 [0.40]	13 [0.40]	mg/kg
LEAD by ICP	8.3 [1.1]	11 [1.1]	mg/kg
ANTIMONY by ICP	ND [1.1]	ND [1.1]	mg/kg
THALLIUM by ICP	ND [0.65]	ND [0.65]	mg/kg
ZINC by ICP	29 [0.065]	48 [0.065]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-107

SAMPLE ID	E-TP-28,29,30, 31,32 04/06/90	E-TP-33,34,35, 36 04/06/90	CUL-4-1 04/06/90	
SAMPLED				
TEST				UNITS
ARSENIC by ICP	ND [1.4]	ND [1.4]	ND [1.4]	mg/kg
SELENIUM by ICP	ND [1.3]	ND [1.3]	ND [1.3]	mg/kg
MERCURY	0.10 [0.020]	0.27 [0.020]	0.05 [0.020]	mg/kg
SILVER by ICP	ND [0.25]	ND [0.25]	1.2 [0.25]	mg/kg
BERYLLIUM by ICP	1.1 [0.020]	1.7 [0.020]	1.2 [0.020]	mg/kg
CADMIUM by ICP	2.8 [0.080]	3.2 [0.080]	5.7 [0.080]	mg/kg
CHROMIUM by ICP	9.2 [0.20]	12 [0.20]	31 [0.20]	mg/kg
COPPER by ICP	120 [0.10]	240 [0.10]	120 [0.10]	mg/kg
NICKEL by ICP	8.6 [0.40]	9.3 [0.40]	13 [0.40]	mg/kg
LEAD by ICP	590 [1.1]	870 [1.1]	100 [1.1]	mg/kg
ANTIMONY by ICP	ND [1.1]	ND [1.1]	ND [1.1]	mg/kg
THALLIUM by ICP	ND [0.65]	ND [0.65]	ND [0.65]	mg/kg
ZINC by ICP	74 [0.065]	120 [0.065]	160 [0.065]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-110

SAMPLE ID	F-SS-1	F-SS-2	F-SS-3	
SAMPLED	04/05/90	04/05/90	04/05/90	
TEST				UNITS
MERCURY	8.4	10	3.8	mg/kg
	[0.4]	[0.4]	[0.1]	
CHROMIUM by ICP	19	29	8.2	mg/kg
	[0.20]	[0.20]	[0.20]	
COPPER by ICP	36000	2400	4800	mg/kg
	[0.10]	[0.10]	[0.10]	
NICKEL by ICP	21	13	13	mg/kg
	[0.40]	[0.40]	[0.40]	
LEAD by ICP	340	1100	310	mg/kg
	[1.1]	[1.1]	[1.1]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-110

SAMPLE ID	F-SS-4	F-SS-5	F-SS-6	
SAMPLED	04/05/90	04/05/90	04/05/90	
TEST				UNITS
MERCURY	ND [0.020]	ND [0.020]	0.12 [0.020]	mg/kg
CHROMIUM by ICP	79 [0.20]	60 [0.20]	9.9 [0.20]	mg/kg
COPPER by ICP	200 [0.10]	320 [0.10]	150 [0.10]	mg/kg
NICKEL by ICP	23 [0.40]	19 [0.40]	9.9 [0.40]	mg/kg
LEAD by ICP	1100 [1.1]	1200 [1.1]	320 [1.1]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-110

SAMPLE ID	G-SS-7	G-SS-8	G-SS-9	
SAMPLED	04/05/90	04/05/90	04/05/90	
TEST				UNITS
MERCURY	0.03	0.16	0.12	mg/kg
	[0.020]	[0.020]	[0.020]	
CHROMIUM by ICP	9.6	7.3	11	mg/kg
	[0.20]	[0.20]	[0.20]	
COPPER by ICP	3100	2100	1100	mg/kg
	[0.10]	[0.10]	[0.10]	
NICKEL by ICP	16	13	11	mg/kg
	[0.40]	[0.40]	[0.40]	
LEAD by ICP	3800	25000	1100	mg/kg
	[1.1]	[1.1]	[1.1]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-04-024

SAMPLE ID	B-1,2,3,4	B-5,6,7,8	
SAMPLED	04/03/90	04/03/90	
TEST			UNITS
MERCURY	0.13 [0.020]	0.13 [0.020]	mg/kg
SILVER by ICP	ND [0.25]	ND [0.25]	mg/kg
BERYLLIUM by ICP	0.97 [0.020]	0.70 [0.020]	mg/kg
CADMIUM by ICP	8.2 [0.16]	19 [0.16]	mg/kg
CHROMIUM by ICP	11 [0.20]	15 [0.20]	mg/kg
COPPER by ICP	190 [0.10]	350 [0.10]	mg/kg
NICKEL by ICP	9.2 [0.40]	8.8 [0.40]	mg/kg
ZINC by ICP	210 [0.065]	390 [0.065]	mg/kg
ARSENIC - FURNACE	54 [1.0]	39 [1.0]	mg/kg
LEAD -FURNACE	460 [25]	360 [25]	mg/kg
ANTIMONY - FURNACE	ND [0.15]	ND [0.15]	mg/kg
SELENIUM - FURNACE	ND [0.25]	ND [0.25]	mg/kg
THALLIUM - FURNACE	ND [0.050]	ND [0.050]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-053

SAMPLE ID	B-9,10,11,12	B-13,14,15,16	B-17,18,19,20	
SAMPLED	04/04/90	04/04/90	04/04/90	
TEST				UNITS
MERCURY	0.07 [0.020]	0.10 [0.020]	0.27 [0.020]	mg/kg
SILVER by ICP	2.5 [0.25]	3.7 [0.25]	4.0 [0.25]	mg/kg
BERYLLIUM by ICP	1.5 [0.020]	1.2 [0.020]	1.5 [0.020]	mg/kg
CADMIUM by ICP	3.4 [0.080]	2.4 [0.080]	5.1 [0.080]	mg/kg
CHROMIUM by ICP	14 [0.20]	6.5 [0.20]	7.4 [0.20]	mg/kg
COPPER by ICP	69 [0.10]	59 [0.10]	110 [0.10]	mg/kg
NICKEL by ICP	21 [0.40]	4.6 [0.40]	7.4 [0.40]	mg/kg
ZINC by ICP	110 [0.065]	65 [0.065]	130 [0.065]	mg/kg
ARSENIC - FURNACE	21 [1.0]	10 [0.50]	28 [1.0]	mg/kg
LEAD -FURNACE	160 [10]	110 [10]	280 [10]	mg/kg
ANTIMONY - FURNACE	ND [0.15]	ND [0.15]	ND [0.15]	mg/kg
SELENIUM - FURNACE	ND [0.25]	ND [0.25]	ND [0.25]	mg/kg
THALLIUM - FURNACE	ND [0.050]	ND [0.050]	ND [0.050]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-04-053

SAMPLE ID	B-21,22,23,24	
SAMPLED	04/04/90	
TEST		UNITS
MERCURY	0.08 [0.020]	mg/kg
SILVER by ICP	4.6 [0.25]	mg/kg
BERYLLIUM by ICP	1.8 [0.020]	mg/kg
CADMIUM by ICP	1.5 [0.080]	mg/kg
CHROMIUM by ICP	4.8 [0.20]	mg/kg
COPPER by ICP	38 [0.10]	mg/kg
NICKEL by ICP	4.8 [0.40]	mg/kg
ZINC by ICP	63 [0.065]	mg/kg
ARSENIC - FURNACE	12 [1.0]	mg/kg
LEAD -FURNACE	190 [10]	mg/kg
ANTIMONY - FURNACE	ND [0.15]	mg/kg
SELENIUM - FURNACE	ND [0.25]	mg/kg
THALLIUM - FURNACE	ND [0.050]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

- SOIL-VOC RESULTS

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: 80-04-176

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-3-88-06

SAMPLE DATE: 04/10/90

ANALYSIS DATE: 04/24/90

Results in ug/kg:

Detection
LimitDetection
Limit

Methyl chloride	ND	13	1,2-Dichloropropane	ND	6.5
Methyl bromide	ND	6.5	trans-1,3-Dichloropropene	ND	6.5
Vinyl chloride	ND	13	Trichloroethylene	ND	6.5
Chloroethane	ND	13	Chlorodibromomethane	ND	6.5
Methylene chloride	ND	6.5	1,1,2-Trichloroethane	ND	6.5
Acetone	ND	130	Benzene	ND	6.5
Carbon disulfide	ND	6.5	cis-1,3-Dichloropropene	ND	6.5
1,1-Dichloroethylene	ND	6.5	2-Chloroethylvinyl ether	ND	13
1,1-Dichloroethane	ND	6.5	Bromoform	ND	6.5
trans-1,2-Dichloroethylene	ND	6.5	2-Hexanone	ND	65
Chloroform	ND	6.5	4-Methyl-2-pentanone	ND	65
1,2-Dichloroethane	ND	6.5	Tetrachloroethylene	ND	6.5
2-Butanone	ND	130	1,1,2,2-Tetrachloroethane	ND	6.5
1,1,1-Trichloroethane	ND	6.5	Toluene	ND	6.5
Carbon tetrachloride	ND	6.5	Chlorobenzene	ND	6.5
Vinyl acetate	ND	65	Ethylbenzene	ND	6.5
Dichlorobromomethane	ND	6.5	Styrene	ND	6.5
			Xylenes, total	ND	6.5

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	102
1,2-Dichloroethane-D4	106

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REYENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-176

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: MW-6-SS-06

SAMPLE DATE: 04/10/90

ANALYSIS DATE: 04/24/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 1600	1,2-Dichloropropane	ND 800
Methyl bromide	ND 800	trans-1,3-Dichloropropene	ND 800
Vinyl chloride	ND 1600	Trichloroethylene	ND 800
Chloroethane	ND 1600	Chlorodibromomethane	ND 800
Methylene chloride	ND 800	1,1,2-Trichloroethane	ND 800
Acetone	ND 16000	Benzene	ND 800
Carbon disulfide	ND 800	cis-1,3-Dichloropropene	ND 800
1,1-Dichloroethylene	ND 800	2-Chloroethylvinyl ether	ND 1600
1,1-Dichloroethane	ND 800	Bromoform	ND 800
trans-1,2-Dichloroethylene	ND 800	2-Hexanone	ND 8000
Chloroform	ND 800	4-Methyl-2-pentanone	ND 8000
1,2-Dichloroethane	ND 800	Tetrachloroethylene	ND 800
2-Butanone	ND 16000	1,1,2,2-Tetrachloroethane	ND 800
1,1,1-Trichloroethane	ND 800	Toluene	ND 800
Carbon tetrachloride	ND 800	Chlorobenzene	ND 800
Vinyl acetate	ND 8000	Ethylbenzene	1200 800
Dichlorobromomethane	ND 800	Styrene	ND 800
		Xylenes, total	7800 800

Surrogates	% Recovery
Toluene-D8	101
Bromofluorobenzene	109
1,2-Dichloroethane-D4	99

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: C-TP-1-2

SAMPLE DATE: 07/21/90

ANALYSIS DATE: 07/29/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	U 14	1,2-Dichloropropane	U 7.0
Methyl bromide	U 7.0	trans-1,3-Dichloropropene	U 7.0
Vinyl chloride	U 14	Trichloroethylene	U 7.0
Chloroethane	U 14	Chlorodibromomethane	U 7.0
Ethylene chloride	U 7.0	1,1,2-Trichloroethane	U 7.0
Acetone	U 140	Benzene	U 7.0
Carbon disulfide	U 7.0	cis-1,3-Dichloropropene	U 7.0
1,1-Dichloroethylene	U 7.0	2-Chloroethylvinyl ether	U 14
1,1-Dichloroethane	U 7.0	Bromoform	U 7.0
trans-1,2-Dichloroethylene	U 7.0	2-Hexanone	U 70
Chloroform	U 7.0	4-Methyl-2-pentanone	U 70
1,2-Dichloroethane	U 7.0	Tetrachloroethylene	U 7.0
2-Butanone	U 140	1,1,2,2-Tetrachloroethane	U 7.0
1,1,1-Trichloroethane	U 7.0	Toluene	U 7.0
Carbon tetrachloride	U 7.0	Chlorobenzene	U 7.0
Vinyl acetate	U 70	Ethylbenzene	U 7.0
Dichlorobromomethane	U 7.0	Styrene	U 7.0
		Xylenes, total	U 7.0

Surrogates	% Recovery
Toluene-D8	110
Bromofluorobenzene	103
1,2-Dichloroethane-D4	99

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: C-TP-2-2

SAMPLE DATE: 07/21/90

ANALYSIS DATE: 07/29/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	U 13	1,2-Dichloropropane	U 6.5
Methyl bromide	U 6.5	trans-1,3-Dichloropropene	U 6.5
Vinyl chloride	U 13	Trichloroethylene	U 6.5
Chloroethane	U 13	Chlorodibromomethane	U 6.5
Methylene chloride	U 6.5	1,1,2-Trichloroethane	U 6.5
Acetone	8J 130	Benzene	U 6.5
Carbon disulfide	U 6.5	cis-1,3-Dichloropropene	U 6.5
1,1-Dichloroethylene	U 6.5	2-Chloroethylvinyl ether	U 13
1,1-Dichloroethane	U 6.5	Bromoform	U 6.5
trans-1,2-Dichloroethylene	U 6.5	2-Hexanone	U 65
Chloroform	U 6.5	4-Methyl-2-pentanone	U 65
1,2-Dichloroethane	U 6.5	Tetrachloroethylene	U 6.5
2-Butanone	U 130	1,1,2,2-Tetrachloroethane	U 6.5
1,1,1-Trichloroethane	U 6.5	Toluene	U 6.5
Carbon tetrachloride	U 6.5	Chlorobenzene	U 6.5
Vinyl acetate	U 65	Ethylbenzene	U 6.5
Dichlorobromomethane	U 6.5	Styrene	U 6.5
		Xylenes, total	U 6.5

Surrogates	% Recovery
Toluene-D8	104
Bromofluorobenzene	103
1,2-Dichloroethane-D4	97

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: D-TP-3-2

SAMPLE DATE: 07/21/90

ANALYSIS DATE: 07/30/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	U 3100	1,2-Dichloropropane	U 1600
Methyl bromide	U 1600	trans-1,3-Dichloropropene	U 1600
Vinyl chloride	U 3100	Trichloroethylene	U 1600
Chloroethane	U 3100	Chlorodibromomethane	U 1600
Methylene chloride	U 1600	1,1,2-Trichloroethane	U 1600
Acetone	U 31000	Benzene	940JB 1600
Carbon disulfide	U 1600	cis-1,3-Dichloropropene	U 1600
1,1-Dichloroethylene	U 1600	2-Chloroethylvinyl ether	U 3100
1,1-Dichloroethane	U 1600	Bromoform	U 1600
trans-1,2-Dichloroethylene	U 1600	2-Hexanone	U 16000
Chloroform	U 1600	4-Methyl-2-pentanone	U 16000
1,2-Dichloroethane	U 1600	Tetrachloroethylene	U 1600
2-Butanone	U 31000	1,1,2,2-Tetrachloroethane	U 1600
1,1,1-Trichloroethane	U 1600	Toluene	U 1600
Carbon tetrachloride	U 1600	Chlorobenzene	U 1600
Vinyl acetate	U 16000	Ethylbenzene	44000 1600
Dichlorobromomethane	U 1600	Styrene	U 1600
		Xylenes, total	6000 1600

Surrogates	% Recovery
Toluene-D8	107
Bromofluorobenzene	111
1,2-Dichloroethane-D4	92

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: E-TP-5-2

SAMPLE DATE: 07/21/90

ANALYSIS DATE: 07/28/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	U 1700	1,2-Dichloropropane	U 850
Methyl bromide	U 850	trans-1,3-Dichloropropene	U 850
Vinyl chloride	U 1700	Trichloroethylene	U 850
Chloroethane	U 1700	Chlorodibromomethane	U 850
Methylene chloride	U 850	1,1,2-Trichloroethane	U 850
Acetone	U 17000	Benzene	1300 850
Carbon disulfide	U 850	cis-1,3-Dichloropropene	U 850
1,1-Dichloroethylene	U 850	2-Chloroethylvinyl ether	U 1700
1,1-Dichloroethane	U 850	Bromoform	U 850
trans-1,2-Dichloroethylene	U 850	2-Hexanone	U 8500
Chloroform	U 850	4-Methyl-2-pentanone	U 8500
1,2-Dichloroethane	U 850	Tetrachloroethylene	U 850
2-Butanone	U 17000	1,1,2,2-Tetrachloroethane	U 850
1,1,1-Trichloroethane	U 850	Toluene	U 850
Carbon tetrachloride	U 850	Chlorobenzene	U 850
Vinyl acetate	U 8500	Ethylbenzene	8000 850
Dichlorobromomethane	U 850	Styrene	U 850
		Xylenes, total	5300 850

Surrogates	% Recovery
Toluene-D8	104
Bromofluorobenzene	102
1,2-Dichloroethane-D4	98

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: E-TP-6-2

SAMPLE DATE: 07/20/90

ANALYSIS DATE: 07/30/90

Results in ug/kg:

	Detection		Detection
	Limit		Limit
Methyl chloride	U 1700	1,2-Dichloropropane	U 850
Methyl bromide	U 850	trans-1,3-Dichloropropene	U 850
Vinyl chloride	U 1700	Trichloroethylene	U 850
Chloroethane	U 1700	Chlorodibromomethane	U 850
Methylene chloride	U 850	1,1,2-Trichloroethane	U 850
Acetone	U 17000	Benzene	1500B 850
Carbon disulfide	U 850	cis-1,3-Dichloropropene	U 850
1,1-Dichloroethylene	U 850	2-Chloroethylvinyl ether	U 1700
1,1-Dichloroethane	U 850	Bromoform	U 850
trans-1,2-Dichloroethylene	U 850	2-Hexanone	U 8500
Chloroform	U 850	4-Methyl-2-pentanone	U 8500
1,2-Dichloroethane	U 850	Tetrachloroethylene	U 850
2-Butanone	U 17000	1,1,2,2-Tetrachloroethane	U 850
1,1,1-Trichloroethane	U 850	Toluene	U 850
Carbon tetrachloride	U 850	Chlorobenzene	U 850
Vinyl acetate	U 8500	Ethylbenzene	4100 850
Dichlorobromomethane	U 850	Styrene	U 850
		Xylenes, total	3100 850

Surrogates	% Recovery
Toluene-D8	95
Bromofluorobenzene	115
1,2-Dichloroethane-D4	90

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: D-TP-7-2

SAMPLE DATE: 07/20/90

ANALYSIS DATE: 07/30/90

Results in ug/kg:

		Detection Limit		Detection Limit
Methyl chloride	U	1600	1,2-Dichloropropane	U 800
Methyl bromide	U	800	trans-1,3-Dichloropropene	U 800
Vinyl chloride	U	1600	Trichloroethylene	U 800
Chloroethane	U	1600	Chlorodibromomethane	U 800
Methylene chloride	U	800	1,1,2-Trichloroethane	U 800
Acetone	900J	16000	Benzene	2100B 800
Carbon disulfide	U	800	cis-1,3-Dichloropropene	U 800
1,1-Dichloroethylene	U	800	2-Chloroethylvinyl ether	U 1600
1,1-Dichloroethane	U	800	Bromoform	U 800
trans-1,2-Dichloroethylene	U	800	2-Hexanone	U 8000
Chloroform	U	800	4-Methyl-2-pentanone	U 8000
1,2-Dichloroethane	U	800	Tetrachloroethylene	U 800
2-Butanone	9300J	16000	1,1,2,2-Tetrachloroethane	U 800
1,1,1-Trichloroethane	U	800	Toluene	U 800
Carbon tetrachloride	U	800	Chlorobenzene	U 800
Vinyl acetate	U	8000	Ethylbenzene	1400 800
Dichlorobromomethane	U	800	Styrene	U 800
			Xylenes, total	U 800

Surrogates	% Recovery
Toluene-D8	109
Bromofluorobenzene	115
1,2-Dichloroethane-D4	90

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: E-TP-8-2

SAMPLE DATE: 07/20/90

ANALYSIS DATE: 07/31/90

Results in ug/kg:

		Detection Limit		Detection Limit
Methyl chloride	U	70	1,2-Dichloropropane	U 35
Methyl bromide	U	35	trans-1,3-Dichloropropene	U 35
Vinyl chloride	U	70	Trichloroethylene	U 35
Chloroethane	U	70	Chlorodibromomethane	U 35
Methylene chloride	U	35	1,1,2-Trichloroethane	U 35
Acetone	410JB	700	Benzene	U 35
Carbon disulfide	U	35	cis-1,3-Dichloropropene	U 35
1-Dichloroethylene	U	35	2-Chloroethylvinyl ether	U 70
1,1-Dichloroethane	U	35	Bromoform	U 35
trans-1,2-Dichloroethylene	U	35	2-Hexanone	U 350
Chloroform	U	35	4-Methyl-2-pentanone	U 350
1,2-Dichloroethane	U	35	Tetrachloroethylene	U 35
2-Butanone	4700	700	1,1,2,2-Tetrachloroethane	U 35
1,1-Trichloroethane	10J	35	Toluene	U 35
Carbon tetrachloride	U	35	Chlorobenzene	U 35
Vinyl acetate	U	350	Ethylbenzene	U 35
Dichlorobromomethane	U	35	Styrene	U 35
			Xylenes, total	U 35

Surrogates	% Recovery
Toluene-D8	107
Bromofluorobenzene	161*
1,2-Dichloroethane-D4	102

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: F-TP-9-2

SAMPLE DATE: 07/20/90

ANALYSIS DATE: 07/30/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	U 16000	1,2-Dichloropropane	U 8000
Methyl bromide	U 8000	trans-1,3-Dichloropropene	U 8000
Vinyl chloride	U 16000	Trichloroethylene	U 8000
Chloroethane	U 16000	Chlorodibromomethane	U 8000
Ethylene chloride	U 8000	1,1,2-Trichloroethane	U 8000
Acetone	U 160000	Benzene	35000B 8000
Carbon disulfide	U 8000	cis-1,3-Dichloropropene	U 8000
1,1-Dichloroethylene	U 8000	2-Chloroethylvinyl ether	U 16000
1,1-Dichloroethane	U 8000	Bromoform	U 8000
trans-1,2-Dichloroethylene	U 8000	2-Hexanone	U 80000
Chloroform	U 8000	4-Methyl-2-pentanone	U 80000
1,2-Dichloroethane	U 8000	Tetrachloroethylene	U 8000
2-Butanone	U 160000	1,1,2,2-Tetrachloroethane	U 8000
1,1,1-Trichloroethane	U 8000	Toluene	U 8000
Carbon tetrachloride	U 8000	Chlorobenzene	U 8000
Vinyl acetate	U 80000	Ethylbenzene	160000 8000
Dichlorobromomethane	U 8000	Styrene	U 8000
		Xylenes, total	U 8000

Surrogates	% Recovery
Toluene-D8	106
Bromofluorobenzene	114
1,2-Dichloroethane-D4	92

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: F-TP-10-2

SAMPLE DATE: 07/20/90

ANALYSIS DATE: 07/31/90

Results in ug/kg:

		Detection Limit		Detection Limit
Methyl chloride	U	6700	1,2-Dichloropropane	U 3400
Methyl bromide	U	3400	trans-1,3-Dichloropropene	U 3400
Vinyl chloride	U	6700	Trichloroethylene	U 3400
Chloroethane	U	6700	Chlorodibromomethane	U 3400
Methylene chloride	3500B	3400	1,1,2-Trichloroethane	U 3400
Acetone	U	67000	Benzene	19000 3400
Carbon disulfide	U	3400	cis-1,3-Dichloropropene	U 3400
1,1-Dichloroethylene	U	3400	2-Chloroethylvinyl ether	U 6700
1,1-Dichloroethane	U	3400	Bromoform	U 3400
trans-1,2-Dichloroethylene	U	3400	2-Hexanone	U 34000
Chloroform	U	3400	4-Methyl-2-pentanone	U 34000
1,2-Dichloroethane	U	3400	Tetrachloroethylene	U 3400
2-Butanone	U	67000	1,1,2,2-Tetrachloroethane	U 3400
1,1,1-Trichloroethane	U	3400	Toluene	U 3400
Carbon tetrachloride	U	3400	Chlorobenzene	U 3400
Vinyl acetate	U	34000	Ethylbenzene	92000 3400
Dichlorobromomethane	U	3400	Styrene	U 3400
			Xylenes, total	120000 3400

Surrogates	% Recovery
Toluene-D8	103
Bromofluorobenzene	112
1,2-Dichloroethane-D4	98

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: G-TP-11-2

SAMPLE DATE: 07/20/90

ANALYSIS DATE: 07/30/90

Results in ug/kg:

		Detection Limit		Detection Limit
Methyl chloride	U	66	1,2-Dichloropropane	U 33
Methyl bromide	U	33	trans-1,3-Dichloropropene	U 33
Vinyl chloride	U	66	Trichloroethylene	U 33
Chloroethane	U	66	Chlorodibromomethane	U 33
Methylene chloride	U	33	1,1,2-Trichloroethane	U 33
Acetone	68J	660	Benzene	43B 33
Carbon disulfide	16J	33	cis-1,3-Dichloropropene	U 33
1,1-Dichloroethylene	U	33	2-Chloroethylvinyl ether	U 66
1,1-Dichloroethane	U	33	Bromoform	U 33
trans-1,2-Dichloroethylene	U	33	2-Hexanone	U 330
Chloroform	U	33	4-Methyl-2-pentanone	U 330
1,2-Dichloroethane	U	33	Tetrachloroethylene	U 33
2-Butanone	U	660	1,1,2,2-Tetrachloroethane	U 33
1,1,1-Trichloroethane	U	33	Toluene	U 33
Carbon tetrachloride	U	33	Chlorobenzene	U 33
Vinyl acetate	U	330	Ethylbenzene	300 33
Dichlorobromomethane	U	33	Styrene	U 33
			Xylenes, total	210 33

Surrogates	% Recovery
Toluene-D8	115
Bromofluorobenzene	112
1,2-Dichloroethane-D4	96

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: G-TP-12-2

SAMPLE DATE: 07/20/90

ANALYSIS DATE: 07/31/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	U 6200	1,2-Dichloropropane	U 3100
Methyl bromide	U 3100	trans-1,3-Dichloropropene	U 3100
Vinyl chloride	U 6200	Trichloroethylene	U 3100
Chloroethane	U 6200	Chlorodibromomethane	U 3100
Methylene chloride	3700B 3100	1,1,2-Trichloroethane	U 3100
Acetone	U 62000	Benzene	53000 3100
Carbon disulfide	U 3100	cis-1,3-Dichloropropene	U 3100
1,1-Dichloroethylene	U 3100	2-Chloroethylvinyl ether	U 6200
1,1-Dichloroethane	U 3100	Bromoform	U 3100
trans-1,2-Dichloroethylene	U 3100	2-Hexanone	U 31000
Chloroform	U 3100	4-Methyl-2-pentanone	U 31000
1,2-Dichloroethane	U 3100	Tetrachloroethylene	U 3100
2-Butanone	U 62000	1,1,2,2-Tetrachloroethane	U 3100
1,1,1-Trichloroethane	U 3100	Toluene	U 3100
Carbon tetrachloride	U 3100	Chlorobenzene	U 3100
Vinyl acetate	U 31000	Ethylbenzene	79000D 3100
Dichlorobromomethane	U 3100	Styrene	U 3100
		Xylenes, total	96000 3100

Surrogates	% Recovery
Toluene-D8	101
Bromofluorobenzene	112
1,2-Dichloroethane-D4	98

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: G-TP-13-2

SAMPLE DATE: 07/20/90

ANALYSIS DATE: 07/30/90

Results in ug/kg:

		Detection Limit		Detection Limit
Methyl chloride	U	13	1,2-Dichloropropane	U 6.5
Methyl bromide	U	6.5	trans-1,3-Dichloropropene	U 6.5
Vinyl chloride	U	13	Trichloroethylene	U 6.5
Chloroethane	U	13	Chlorodibromomethane	U 6.5
Methylene chloride	U	6.5	1,1,2-Trichloroethane	U 6.5
Acetone	31J	130	Benzene	U 6.5
Carbon disulfide	U	6.5	cis-1,3-Dichloropropene	U 6.5
1,1-Dichloroethylene	U	6.5	2-Chloroethylvinyl ether	U 13
1,1-Dichloroethane	U	6.5	Bromoform	U 6.5
trans-1,2-Dichloroethylene	U	6.5	2-Hexanone	U 65
Chloroform	U	6.5	4-Methyl-2-pentanone	U 65
1,2-Dichloroethane	U	6.5	Tetrachloroethylene	U 6.5
2-Butanone	U	130	1,1,2,2-Tetrachloroethane	U 6.5
1,1,1-Trichloroethane	U	6.5	Toluene	U 6.5
Carbon tetrachloride	U	6.5	Chlorobenzene	U 6.5
Vinyl acetate	U	65	Ethylbenzene	U 6.5
Dichlorobromomethane	U	6.5	Styrene	U 6.5
			Xylenes, total	U 6.5

Surrogates	% Recovery
Toluene-D8	91
Bromofluorobenzene	90
1,2-Dichloroethane-D4	103

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-207

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: G-TP-14-2

SAMPLE DATE: 07/21/90

ANALYSIS DATE: 07/31/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	U 13	1,2-Dichloropropane	U 6.5
Methyl bromide	U 6.5	trans-1,3-Dichloropropene	U 6.5
Vinyl chloride	U 13	Trichloroethylene	U 6.5
Chloroethane	U 13	Chlorodibromomethane	U 6.5
Methylene chloride	U 6.5	1,1,2-Trichloroethane	U 6.5
Acetone	60J 130	Benzene	U 6.5
Carbon disulfide	U 6.5	cis-1,3-Dichloropropene	U 6.5
1,1-Dichloroethylene	U 6.5	2-Chloroethylvinyl ether	U 13
1,1-Dichloroethane	U 6.5	Bromoform	U 6.5
trans-1,2-Dichloroethylene	U 6.5	2-Hexanone	U 65
Chloroform	U 6.5	4-Methyl-2-pentanone	U 65
1,2-Dichloroethane	U 6.5	Tetrachloroethylene	U 6.5
2-Butanone	U 130	1,1,2,2-Tetrachloroethane	U 6.5
1,1,1-Trichloroethane	U 6.5	Toluene	U 6.5
Carbon tetrachloride	U 6.5	Chlorobenzene	U 6.5
Vinyl acetate	U 65	Ethylbenzene	U 6.5
Dichlorobromomethane	U 6.5	Styrene	U 6.5
		Xylenes, total	U 6.5

Surrogates	% Recovery
Toluene-D8	114
Bromofluorobenzene	110
1,2-Dichloroethane-D4	90

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: G-TP-15-2

SAMPLE DATE: 07/20/90

ANALYSIS DATE: 07/30/90

Results in ug/kg:

	Detection Limit			Detection Limit	
Methyl chloride	U	60	1,2-Dichloropropane	U	30
Methyl bromide	U	30	trans-1,3-Dichloropropene	U	30
Vinyl chloride	U	60	Trichloroethylene	U	30
Chloroethane	U	60	Chlorodibromomethane	U	30
Methylene chloride	U	30	1,1,2-Trichloroethane	U	30
Acetone	210J	600	Benzene	49B	30
Carbon disulfide	21J	30	cis-1,3-Dichloropropene	U	30
1,1-Dichloroethylene	U	30	2-Chloroethylvinyl ether	U	60
1,1-Dichloroethane	U	30	Bromoform	U	30
trans-1,2-Dichloroethylene	U	30	2-Hexanone	U	300
Chloroform	U	30	4-Methyl-2-pentanone	U	300
1,2-Dichloroethane	U	30	Tetrachloroethylene	U	30
2-Butanone	U	600	1,1,2,2-Tetrachloroethane	U	30
1,1,1-Trichloroethane	U	30	Toluene	U	30
Carbon tetrachloride	U	30	Chlorobenzene	U	30
Vinyl acetate	U	300	Ethylbenzene	63	30
Dichlorobromomethane	U	30	Styrene	U	30
			Xylenes, total	95	30

Surrogates	% Recovery
Toluene-D8	45*
Bromofluorobenzene	47*
1,2-Dichloroethane-D4	101

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-207

TEST NAME: Volatiles by CLP / 8240

SAMPLE ID: G-TP-16-2

SAMPLE DATE: 07/21/90

ANALYSIS DATE: 07/30/90

Results in ug/kg:

		Detection Limit		Detection Limit
Methyl chloride	U	15	1,2-Dichloropropane	U 7.5
Methyl bromide	U	7.5	trans-1,3-Dichloropropene	U 7.5
Vinyl chloride	U	15	Trichloroethylene	U 7.5
Chloroethane	U	15	Chlorodibromomethane	U 7.5
Methylene chloride	U	7.5	1,1,2-Trichloroethane	U 7.5
Acetone	220	150	Benzene	34 7.5
Carbon disulfide	U	7.5	cis-1,3-Dichloropropene	U 7.5
1,1-Dichloroethylene	U	7.5	2-Chloroethylvinyl ether	U 15
1,1-Dichloroethane	U	7.5	Bromoform	U 7.5
trans-1,2-Dichloroethylene	U	7.5	2-Hexanone	U 75
Chloroform	U	7.5	4-Methyl-2-pentanone	U 75
1,2-Dichloroethane	U	7.5	Tetrachloroethylene	U 7.5
2-Butanone	11J	150	1,1,2,2-Tetrachloroethane	U 7.5
1,1,1-Trichloroethane	U	7.5	Toluene	U 7.5
Carbon tetrachloride	U	7.5	Chlorobenzene	U 7.5
Vinyl acetate	U	75	Ethylbenzene	140 7.5
Dichlorobromomethane	U	7.5	Styrene	U 7.5
			Xylenes, total	290 7.5

Surrogates	% Recovery
Toluene-D8	110
Bromofluorobenzene	100
1,2-Dichloroethane-D4	101

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/16/90

Client Work ID: REIENE BRICKLAND REFINERY

Work Order: B0-03-277

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: C-TP-4

SAMPLE DATE: 03/28/90

ANALYSIS DATE: 04/10/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND	8300 1,2-Dichloropropane	ND 4200
Methyl bromide	ND	4200 trans-1,3-Dichloropropene	ND 4200
Vinyl chloride	ND	8300 Trichloroethylene	ND 4200
Chloroethane	ND	8300 Chlorodibromomethane	ND 4200
Methylene chloride	ND	4200 1,1,2-Trichloroethane	ND 4200
Acetone	ND	83000 Benzene	15000 4200
Carbon disulfide	ND	4200 cis-1,3-Dichloropropene	ND 4200
1,1-Dichloroethylene	ND	4200 2-Chloroethylvinyl ether	ND 8300
1,1-Dichloroethane	ND	4200 Bromoform	ND 4200
trans-1,2-Dichloroethylene	ND	4200 2-Hexanone	ND 42000
Chloroform	ND	4200 4-Methyl-2-pentanone	ND 42000
1,2-Dichloroethane	ND	4200 Tetrachloroethylene	ND 4200
2-Butanone	ND	83000 1,1,2,2-Tetrachloroethane	ND 4200
1,1,1-Trichloroethane	ND	4200 Toluene	ND 4200
Carbon tetrachloride	ND	4200 Chlorobenzene	ND 4200
Vinyl acetate	ND	42000 Ethylbenzene	76000 4200
Dichlorobromomethane	ND	4200 Styrene	ND 4200
		Xylenes, total	130000 4200

Surrogates	% Recovery
Toluene-D8	107
Bromofluorobenzene	103
1,2-Dichloroethane-D4	99

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/16/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-008

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: E-TP-20

SAMPLE DATE: 03/29/90

ANALYSIS DATE: 04/11/90

Results in mg/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 34	1,2-Dichloropropane	ND 17
Methyl bromide	ND 17	trans-1,3-Dichloropropene	ND 17
Vinyl chloride	ND 34	Trichloroethylene	ND 17
Chloroethane	ND 34	Chlorodibromomethane	ND 17
Methylene chloride	ND 17	1,1,2-Trichloroethane	ND 17
Acetone	ND 340	Benzene	20 17
Carbon disulfide	ND 17	cis-1,3-Dichloropropene	ND 17
1,1-Dichloroethylene	ND 17	2-Chloroethylvinyl ether	ND 34
1,1-Dichloroethane	ND 17	Bromoform	ND 17
trans-1,2-Dichloroethylene	ND 17	2-Hexanone	ND 170
Chloroform	ND 17	4-Methyl-2-pentanone	ND 170
1,2-Dichloroethane	ND 17	Tetrachloroethylene	ND 17
2-Butanone	ND 340	1,1,2,2-Tetrachloroethane	ND 17
1,1,1-Trichloroethane	ND 17	Toluene	ND 17
Carbon tetrachloride	ND 17	Chlorobenzene	ND 17
Vinyl acetate	ND 170	Ethylbenzene	34 17
Dichlorobromomethane	ND 17	Styrene	ND 17
		Xylenes, total	ND 17

Surrogates	% Recovery
Toluene-D8	108
Bromofluorobenzene	103
1,2-Dichloroethane-D4	103

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/16/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-008

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: E-TP-22

SAMPLE DATE: 03/30/90

ANALYSIS DATE: 04/11/90

Results in mg/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 34	1,2-Dichloropropane	ND 17
Methyl bromide	ND 17	trans-1,3-Dichloropropene	ND 17
Vinyl chloride	ND 34	Trichloroethylene	ND 17
Chloroethane	ND 34	Chlorodibromomethane	ND 17
Methylene chloride	ND 17	1,1,2-Trichloroethane	ND 17
Acetone	ND 340	Benzene	16 17
Carbon disulfide	ND 17	cis-1,3-Dichloropropene	ND 17
1,1-Dichloroethylene	ND 17	2-Chloroethylvinyl ether	ND 34
1,1-Dichloroethane	ND 17	Bromoform	ND 17
trans-1,2-Dichloroethylene	ND 17	2-Hexanone	ND 170
Chloroform	ND 17	4-Methyl-2-pentanone	ND 170
1,2-Dichloroethane	ND 17	Tetrachloroethylene	ND 17
2-Butanone	ND 340	1,1,2,2-Tetrachloroethane	ND 17
1,1,1-Trichloroethane	ND 17	Toluene	ND 17
Carbon tetrachloride	ND 17	Chlorobenzene	ND 17
Vinyl acetate	ND 170	Ethylbenzene	30 17
Dichlorobromomethane	ND 17	Styrene	ND 17
		Xylenes, total	87 17

Surrogates	% Recovery
Toluene-D8	106
Bromofluorobenzene	103
1,2-Dichloroethane-D4	105

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/16/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-008

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: E-TP-27

SAMPLE DATE: 03/30/90

ANALYSIS DATE: 04/11/90

Results in mg/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND	34 1,2-Dichloropropane	ND 17
Methyl bromide	ND	17 trans-1,3-Dichloropropene	ND 17
Vinyl chloride	ND	34 Trichloroethylene	ND 17
Chloroethane	ND	34 Chlorodibromomethane	ND 17
Methylene chloride	ND	17 1,1,2-Trichloroethane	ND 17
Acetone	ND	340 Benzene	ND 17
Carbon disulfide	ND	17 cis-1,3-Dichloropropene	ND 17
1,1-Dichloroethylene	ND	17 2-Chloroethylvinyl ether	ND 34
1,1-Dichloroethane	ND	17 Bromoform	ND 17
trans-1,2-Dichloroethylene	ND	17 2-Hexanone	ND 170
Chloroform	ND	17 4-Methyl-2-pentanone	ND 170
1,2-Dichloroethane	ND	17 Tetrachloroethylene	ND 17
2-Butanone	ND	340 1,1,2,2-Tetrachloroethane	ND 17
1,1,1-Trichloroethane	ND	17 Toluene	ND 17
Carbon tetrachloride	ND	17 Chlorobenzene	ND 17
Vinyl acetate	ND	170 Ethylbenzene	19 17
Dichlorobromomethane	ND	17 Styrene	ND 17
		Xylenes, total	ND 17

Surrogates	% Recovery
Toluene-D8	106
Bromofluorobenzene	103
1,2-Dichloroethane-D4	104

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-109

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: E-TP-32

SAMPLE DATE: 04/06/90

ANALYSIS DATE: 04/20/90

Results in ug/kg:

		Detection Limit		Detection Limit
Methyl chloride	ND	3300	1,2-Dichloropropane	ND 1700
Methyl bromide	ND	1700	trans-1,3-Dichloropropene	ND 1700
Vinyl chloride	ND	3300	Trichloroethylene	ND 1700
Chloroethane	ND	3300	Chlorodibromomethane	ND 1700
Methylene chloride	ND	1700	1,1,2-Trichloroethane	ND 1700
Acetone	ND	33000	Benzene	37000 1700
Carbon disulfide	ND	1700	cis-1,3-Dichloropropene	ND 1700
1,1-Dichloroethylene	ND	1700	2-Chloroethylvinyl ether	ND 3300
1,1-Dichloroethane	ND	1700	Bromoform	ND 1700
trans-1,2-Dichloroethylene	ND	1700	2-Hexanone	ND 17000
Chloroform	ND	1700	4-Methyl-2-pentanone	ND 17000
1,2-Dichloroethane	ND	1700	Tetrachloroethylene	ND 1700
2-Butanone	ND	33000	1,1,2,2-Tetrachloroethane	ND 1700
1,1,1-Trichloroethane	ND	1700	Toluene	13000 1700
Carbon tetrachloride	ND	1700	Chlorobenzene	ND 1700
Vinyl acetate	ND	17000	Ethylbenzene	46000 1700
Dichlorobromomethane	ND	1700	Styrene	ND 1700
			Xylenes, total	180000 1700

Surrogates	% Recovery
Toluene-D8	104
Bromofluorobenzene	101
1,2-Dichloroethane-D4	105

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REYENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-109

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: E-TP-34

SAMPLE DATE: 04/06/90

ANALYSIS DATE: 04/21/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 3400	1,2-Dichloropropane	ND 1700
Methyl bromide	ND 1700	trans-1,3-Dichloropropene	ND 1700
Vinyl chloride	ND 3400	Trichloroethylene	ND 1700
Chloroethane	ND 3400	Chlorodibromomethane	ND 1700
Methylene chloride	ND 1700	1,1,2-Trichloroethane	ND 1700
Acetone	ND 34000	Benzene	6500 1700
Carbon disulfide	ND 1700	cis-1,3-Dichloropropene	ND 1700
1,1-Dichloroethylene	ND 1700	2-Chloroethylvinyl ether	ND 3400
1,1-Dichloroethane	ND 1700	Bromoform	ND 1700
trans-1,2-Dichloroethylene	ND 1700	2-Hexanone	ND 17000
Chloroform	ND 1700	4-Methyl-2-pentanone	ND 17000
1,2-Dichloroethane	ND 1700	Tetrachloroethylene	ND 1700
2-Butanone	ND 34000	1,1,2,2-Tetrachloroethane	ND 1700
1,1,1-Trichloroethane	ND 1700	Toluene	1900 1700
Carbon tetrachloride	ND 1700	Chlorobenzene	ND 1700
Vinyl acetate	ND 17000	Ethylbenzene	18000 1700
Dichlorobromomethane	ND 1700	Styrene	ND 1700
		Xylenes, total	20000 1700

Surrogates	% Recovery
Toluene-D8	103
Bromofluorobenzene	102
1,2-Dichloroethane-D4	102

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: EDER ASSOCIATES
Date: 08/22/90
Client Work ID: OLD BRICKLAND

Work Order: B0-08-085

SAMPLE ID	F-TP-55	F-TP-56	F-TP-57	
SAMPLED				
TEST				UNITS
COPPER by ICP	238N [0.24]	76.3N [0.22]	20.8N [0.20]	mg/kg
TOTAL SOLIDS	77 [1.0]	79 [1.0]	93 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-08-085

SAMPLE ID	F-TP-58	F-TP-59	F-TP-60	
SAMPLED				
TEST				UNITS
MERCURY		0.26N [0.06]	2.8N [0.06]	mg/kg
CADMIUM by ICP		25.4 [1.8]	17.4 [1.8]	mg/kg
COPPER by ICP	153N [0.23]	2230N [2.2]	572N [2.2]	mg/kg
LEAD by ICP		1620 [23]	960 [23]	mg/kg
ZINC by ICP		2370 [1.4]	1380 [1.4]	mg/kg
TOTAL SOLIDS	89 [1.0]	83 [1.0]	82 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

Work Order: B0-08-085

SAMPLE ID	F-TP-61	F-TP-62	A-TP-63	
SAMPLED				
TEST				UNITS
MERCURY	0.06UN	0.26N		mg/kg
	[0.06]	[0.06]		
CADMIUM by ICP	1.3	10.2		mg/kg
	[0.18]	[0.18]		
COPPER by ICP	52.9N	349N	169N	mg/kg
	[0.23]	[0.23]	[2.2]	
LEAD by ICP	95.5	718	284	mg/kg
	[2.4]	[2.4]	[23]	
ZINC by ICP	72.9	358		mg/kg
	[0.15]	[0.15]		
TOTAL SOLIDS	89	83	92	%
	[1.0]	[1.0]	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

Work Order: B0-08-085

SAMPLE ID	A-TP-64	A-TP-65	A-TP-87	
SAMPLED				
TEST				UNITS
MERCURY		0.06UN [0.06]		mg/kg
SILVER by ICP		0.6U [0.6]		mg/kg
CADMIUM by ICP		2.9 [0.18]		mg/kg
CHROMIUM by ICP		13.5 [0.46]		mg/kg
COPPER by ICP	151N [0.25]	112N [0.23]	96.9N [0.20]	mg/kg
NICKEL by ICP		10.2 [0.92]		mg/kg
LEAD by ICP	270 [2.6]	139 [2.4]		mg/kg
ZINC by ICP		101 [0.15]		mg/kg
ARSENIC - FURNACE		19.8*NS [2.9]		mg/kg
TOTAL SOLIDS	83 [1.0]	87 [1.0]	83 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES
Date: 08/22/90
Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-08-085

SAMPLE ID	A-TP-88	A-TP-89	A-TP-90	
SAMPLED				
TEST				UNITS
COPPER by ICP	74.5N [0.22]	58.3N [0.25]	107N [0.23]	mg/kg
TOTAL SOLIDS	81 [1.0]	76 [1.0]	82 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

Work Order: B0-08-085

SAMPLE ID	A-HA-5	G-TP-66	G-TP-67	
SAMPLED				
TEST				UNITS
CADMIUM by ICP		36.7 [0.17]	3.3 [0.18]	mg/kg
CHROMIUM by ICP		20.0 [0.42]	16.4 [0.45]	mg/kg
COPPER by ICP	5.9N [0.19]	992N [0.21]	101N [0.22]	mg/kg
NICKEL by ICP		14.5 [0.85]	9.9 [0.90]	mg/kg
LEAD by ICP	15.4 [2.0]	1260 [2.2]	336 [2.4]	mg/kg
ZINC by ICP		985 [0.14]	671 [0.15]	mg/kg
TOTAL SOLIDS	95 [1.0]	85 [1.0]	84 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES
Date: 08/22/90
Client Work ID: OLD BRICKLAND

Work Order: B0-08-085

SAMPLE ID	G-TP-68	G-TP-69	G-TP-70	
SAMPLED				
TEST				UNITS
CADMIUM by ICP	0.4B [0.2]	1.5 [0.14]		mg/kg
CHROMIUM by ICP	16.3 [0.44]	14.2 [0.44]	97.0 [1.7]	mg/kg
COPPER by ICP	7.1N [0.22]	38.8N [0.18]	20100*N [0.83]	mg/kg
NICKEL by ICP	9.2 [0.87]	8.2 [0.73]	41.2 [3.3]	mg/kg
LEAD by ICP	19.6 [2.3]	78.3 [1.9]	34900N [8.7]	mg/kg
ZINC by ICP	33.7 [0.14]	80.9 [0.12]		mg/kg
TOTAL SOLIDS	83 [1.0]	82 [1.0]	49 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES
Date: 08/22/90
Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: 80-08-085

SAMPLE ID	G-TP-71	G-TP-72	G-TP-73	
SAMPLED				
TEST				UNITS
CHROMIUM by ICP	16.7B [6.7]	17.6 [0.64]	17.6 [0.56]	mg/kg
COPPER by ICP	18900*N [3.4]	412*N [0.32]	17.6*N [0.28]	mg/kg
NICKEL by ICP	13U [13]	10.4 [1.3]	12.5 [1.1]	mg/kg
LEAD by ICP	18600N [35]	1700N [3.3]	29.9N [2.9]	mg/kg
TOTAL SOLIDS	78 [1.0]	74 [1.0]	81 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES
Date: 08/22/90
Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-08-085

SAMPLE ID	G-TP-74	G-TP-75	G-TP-76	
SAMPLED				
TEST				UNITS
CADMIUM by ICP	2U [2]	24.1 [0.22]	1.5 [0.31]	mg/kg
COPPER by ICP	19.6B*N [2.5]	693*N [0.28]	199*N [0.39]	mg/kg
NICKEL by ICP	23.5B [10]	9.1 [1.1]		mg/kg
LEAD by ICP	14.5N [2.3]	1200N [2.9]	2090N [4.0]	mg/kg
ZINC by ICP			79.2N [0.18]	mg/kg
TOTAL SOLIDS	87 [1.0]	79 [1.0]	72 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-08-085

SAMPLE ID	G-TP-77	G-TP-78	G-TP-79	
SAMPLED				
TEST				UNITS
MERCURY	0.06UN [0.06]			mg/kg
SILVER by ICP	2.5 [0.71]			mg/kg
CADMIUM by ICP	0.3B*N [0.2]			mg/kg
CHROMIUM by ICP	16.9 [0.57]	18.3 [0.60]	16.9 [4.2]	mg/kg
COPPER by ICP	13.0*N [0.28]			mg/kg
NICKEL by ICP	7.7 [1.1]			mg/kg
LEAD by ICP	18.4N [3.0]			mg/kg
ZINC by ICP	41.3N [0.18]			mg/kg
ARSENIC - FURNACE	29.3*NS [1.4]			mg/kg
TOTAL SOLIDS	78 [1.0]	78 [1.0]	83 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

Work Order: B0-08-085

SAMPLE ID	G-TP-80	B-HA-1	B-HA-2	
SAMPLED				
TEST				UNITS
SILVER by ICP		1.4 [0.52]	177 [0.61]	mg/kg
CHROMIUM by ICP	13.7 [0.51]			mg/kg
COPPER by ICP		390*N [0.21]	33.5*N [0.24]	mg/kg
LEAD by ICP		427N [2.2]	60.0N [2.6]	mg/kg
ZINC by ICP		251N [0.14]	32.3N [0.16]	mg/kg
TOTAL SOLIDS	81 [1.0]	87 [1.0]	84 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

Work Order: B0-08-085

SAMPLE ID	B-HA-3	B-HA-4	B-1	
SAMPLED				
TEST				UNITS
MERCURY		0.41N [0.06]		mg/kg
SILVER by ICP	1.8 [0.57]	4.9 [0.74]		mg/kg
ARSENIC by ICP			169 [33]	mg/kg
CADMIUM by ICP		4.7*N [0.20]	44.4*N [2.4]	mg/kg
CHROMIUM by ICP		86.0 [0.50]		mg/kg
COPPER by ICP	37.2*N [0.23]	1370*N [0.30]	951*N [3.1]	mg/kg
NICKEL by ICP		5.4 [1.0]		mg/kg
LEAD by ICP	77.0N [2.4]	2830N [3.1]	1500N [32]	mg/kg
ZINC by ICP	30.9N [0.15]	178N [0.19]	887N [2.0]	mg/kg
ARSENIC - FURNACE		5.9B*NS [5.6]		mg/kg
TOTAL SOLIDS	96 [1.0]	84 [1.0]	81 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES
 Date: 08/22/90
 Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
 AUSTIN, TX
 (512) 892-6684

Work Order: B0-08-086

SAMPLE ID	B-8	B-9	B-10	
SAMPLED				
TEST				UNITS
SILVER by ICP		0.56U [0.56]	6.3U [6.3]	mg/kg
ARSENIC by ICP			22.0 [3.0]	mg/kg
CADMIUM by ICP	1.8U [1.8]			mg/kg
COPPER by ICP	68.6 [2.6]	2.1B [0.27]	119 [2.5]	mg/kg
LEAD by ICP	62.2 [27]	5.9 [2.8]	201 [26]	mg/kg
ZINC by ICP	45.7 [1.7]			mg/kg
ARSENIC - FURNACE	24.9*NS [2.9]	11.2B*NS [1.4]		mg/kg
TOTAL SOLIDS	86 [1.0]	82 [1.0]	87 [1.0]	%

ND indicates the parameter was not detected.
 Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-08-086

SAMPLE ID	B-11	B-12	B-13	
SAMPLED				
TEST				UNITS
SILVER by ICP	1.3B [0.78]	0.7U [0.7]	5.1U [5.1]	mg/kg
ARSENIC by ICP	21.7 [3.4]	11.1 [3.0]	55.6 [2.4]	mg/kg
COPPER by ICP	122 [0.31]	22.6 [0.27]	216 [2.0]	mg/kg
LEAD by ICP	190 [3.3]	34.8 [2.8]	516 [21]	mg/kg
TOTAL SOLIDS	80 [1.0]	82 [1.0]	89 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: BO-08-086

SAMPLE ID	B-17	B-18	B-19	
SAMPLED				
TEST				UNITS
SILVER by ICP	4.9U	0.9B	27.8	mg/kg
	[4.9]	[0.7]	[7.2]	
ARSENIC by ICP			13.0	mg/kg
			[3.2]	
COPPER by ICP	55.7	154	64.4	mg/kg
	[2.1]	[0.27]	[2.9]	
LEAD by ICP	139	217	152	mg/kg
	[22]	[2.8]	[30]	
ZINC by ICP	63.5	150	124	mg/kg
	[1.4]	[0.18]	[1.9]	
ARSENIC	23.8*NS	25.2*NS		mg/kg
- FURNACE	[2.3]	[2.3]		
TOTAL SOLIDS	93	88	83	%
	[1.0]	[1.0]	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in {}.

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

Work Order: B0-08-086

SAMPLE ID	B-23	B-24	B-27	
SAMPLED				
TEST				UNITS
SILVER by ICP	16.5	0.8B		mg/kg
	[5.6]	[0.8]		
ARSENIC by ICP		11.0		mg/kg
		[3.1]		
COPPER by ICP			255	mg/kg
			[0.27]	
LEAD by ICP	197	308	547	mg/kg
	[24]	[3.4]	[3.8]	
ZINC by ICP			454	mg/kg
			[0.17]	
ARSENIC	17.2*NS			mg/kg
- FURNACE	[2.5]			
TOTAL SOLIDS	92	72	75	%
	[1.0]	[1.0]	[1.0]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 05/11/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-120

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: F-TP-38

SAMPLE DATE: 04/08/90

ANALYSIS DATE: 04/21/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 2500	1,2-Dichloropropane	ND 1300
Methyl bromide	ND 1300	trans-1,3-Dichloropropene	ND 1300
Vinyl chloride	ND 2500	Trichloroethylene	ND 1300
Chloroethane	ND 2500	Chlorodibromomethane	ND 1300
Ethylene chloride	ND 1300	1,1,2-Trichloroethane	ND 1300
Acetone	ND 25000	Benzene	2800 1300
Carbon disulfide	ND 1300	cis-1,3-Dichloropropene	ND 1300
1,1-Dichloroethylene	ND 1300	2-Chloroethylvinyl ether	ND 2500
1,1-Dichloroethane	ND 1300	Bromoform	ND 1300
trans-1,2-Dichloroethylene	ND 1300	2-Hexanone	ND 13000
Chloroform	ND 1300	4-Methyl-2-pentanone	ND 13000
1,2-Dichloroethane	ND 1300	Tetrachloroethylene	ND 1300
2-Butanone	ND 25000	1,1,2,2-Tetrachloroethane	ND 1300
1,1,1-Trichloroethane	ND 1300	Toluene	ND 1300
Carbon tetrachloride	ND 1300	Chlorobenzene	ND 1300
Vinyl acetate	ND 13000	Ethylbenzene	3000 1300
Chlorobromomethane	ND 1300	Styrene	ND 1300
		Xylenes, total	9000 1300

Surrogates	% Recovery
Toluene-D8	98
Bromofluorobenzene	106
1,2-Dichloroethane-D4	123

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/11/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-120

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: F-TP-42

SAMPLE DATE: 04/08/90

ANALYSIS DATE: 04/21/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 2500	1,2-Dichloropropane	ND 1300
Methyl bromide	ND 1300	trans-1,3-Dichloropropene	ND 1300
Vinyl chloride	ND 2500	Trichloroethylene	ND 1300
Chloroethane	ND 2500	Chlorodibromomethane	ND 1300
Ethylene chloride	ND 1300	1,1,2-Trichloroethane	ND 1300
Acetone	ND 25000	Benzene	ND 1300
Carbon disulfide	ND 1300	cis-1,3-Dichloropropene	ND 1300
1,1-Dichloroethylene	ND 1300	2-Chloroethylvinyl ether	ND 2500
1,1-Dichloroethane	ND 1300	Bromoform	ND 1300
trans-1,2-Dichloroethylene	ND 1300	2-Hexanone	ND 13000
Chloroform	ND 1300	4-Methyl-2-pentanone	ND 13000
1,2-Dichloroethane	ND 1300	Tetrachloroethylene	ND 1300
2-Butanone	ND 25000	1,1,2,2-Tetrachloroethane	ND 1300
1,1-Trichloroethane	ND 1300	Toluene	ND 1300
Carbon tetrachloride	ND 1300	Chlorobenzene	ND 1300
Vinyl acetate	ND 13000	Ethylbenzene	4000 1300
Chlorobromomethane	ND 1300	Styrene	ND 1300
		Xylenes, total	5000 1300

Surrogates	% Recovery
Toluene-D8	100
Bromofluorobenzene	106
1,2-Dichloroethane-D4	101

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/11/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-120

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: F-TP-45

SAMPLE DATE: 04/08/90

ANALYSIS DATE: 04/21/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 2500	1,2-Dichloropropane	ND 1300
Methyl bromide	ND 1300	trans-1,3-Dichloropropene	ND 1300
Vinyl chloride	ND 2500	Trichloroethylene	ND 1300
Chloroethane	ND 2500	Chlorodibromomethane	ND 1300
Methylene chloride	ND 1300	1,1,2-Trichloroethane	ND 1300
Acetone	ND 25000	Benzene	19000 1300
Carbon disulfide	ND 1300	cis-1,3-Dichloropropene	ND 1300
1,1-Dichloroethylene	ND 1300	2-Chloroethylvinyl ether	ND 2500
1,1-Dichloroethane	ND 1300	Bromoform	ND 1300
trans-1,2-Dichloroethylene	ND 1300	2-Hexanone	ND 13000
Chloroform	ND 1300	4-Methyl-2-pentanone	ND 13000
1,2-Dichloroethane	ND 1300	Tetrachloroethylene	ND 1300
2-Butanone	ND 25000	1,1,2,2-Tetrachloroethane	ND 1300
1,1,1-Trichloroethane	ND 1300	Toluene	ND 1300
Carbon tetrachloride	ND 1300	Chlorobenzene	ND 1300
Vinyl acetate	ND 13000	Ethylbenzene	120000 1300
Dichlorobromomethane	ND 1300	Styrene	ND 1300
		Xylenes, total	ND 1300

Surrogates	% Recovery
Toluene-D8	104
Bromofluorobenzene	109
1,2-Dichloroethane-D4	104

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/11/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-120

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: F-TP-48

SAMPLE DATE: 04/08/90

ANALYSIS DATE: 04/21/90

Results in ug/kg:

Detection
LimitDetection
Limit

Methyl chloride	ND	2500	1,2-Dichloropropane	ND	1300
Methyl bromide	ND	1300	trans-1,3-Dichloropropene	ND	1300
Vinyl chloride	ND	2500	Trichloroethylene	ND	1300
Chloroethane	ND	2500	Chlorodibromomethane	ND	1300
Methylene chloride	ND	1300	1,1,2-Trichloroethane	ND	1300
Acetone	ND	25000	Benzene	59000	1300
Carbon disulfide	ND	1300	cis-1,3-Dichloropropene	ND	1300
1,1-Dichloroethylene	ND	1300	2-Chloroethylvinyl ether	ND	2500
1,1-Dichloroethane	ND	1300	Bromoform	ND	1300
trans-1,2-Dichloroethylene	ND	1300	2-Hexanone	ND	13000
Chloroform	ND	1300	4-Methyl-2-pentanone	ND	13000
1,2-Dichloroethane	ND	1300	Tetrachloroethylene	ND	1300
2-Butanone	ND	25000	1,1,2,2-Tetrachloroethane	ND	1300
1,1,1-Trichloroethane	ND	1300	Toluene	ND	1300
Carbon tetrachloride	ND	1300	Chlorobenzene	ND	1300
Vinyl acetate	ND	13000	Ethylbenzene	130000	1300
Dichlorobromomethane	ND	1300	Styrene	ND	1300
			Xylenes, total	120000	1300

Surrogates	% Recovery
Toluene-D8	108
Bromofluorobenzene	108
1,2-Dichloroethane-D4	108

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/11/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-120

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: D-TP-51

SAMPLE DATE: 04/08/90

ANALYSIS DATE: 04/21/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 2500	1,2-Dichloropropane	ND 1300
Methyl bromide	ND 1300	trans-1,3-Dichloropropene	ND 1300
Vinyl chloride	ND 2500	Trichloroethylene	ND 1300
Chloroethane	ND 2500	Chlorodibromomethane	ND 1300
Methylene chloride	ND 1300	1,1,2-Trichloroethane	ND 1300
Acetone	ND 25000	Benzene	1700 1300
Carbon disulfide	ND 1300	cis-1,3-Dichloropropene	ND 1300
1,1-Dichloroethylene	ND 1300	2-Chloroethylvinyl ether	ND 2500
1,1-Dichloroethane	ND 1300	Bromoform	ND 1300
trans-1,2-Dichloroethylene	ND 1300	2-Hexanone	ND 13000
Chloroform	ND 1300	4-Methyl-2-pentanone	ND 13000
1,2-Dichloroethane	ND 1300	Tetrachloroethylene	ND 1300
2-Butanone	ND 25000	1,1,2,2-Tetrachloroethane	ND 1300
1,1,1-Trichloroethane	ND 1300	Toluene	ND 1300
Carbon tetrachloride	ND 1300	Chlorobenzene	ND 1300
Vinyl acetate	ND 13000	Ethylbenzene	ND 1300
Dichlorobromomethane	ND 1300	Styrene	ND 1300
		Xylenes, total	22000 1300

Surrogates	% Recovery
Toluene-D8	102
Bromofluorobenzene	105
1,2-Dichloroethane-D4	101

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/11/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-120

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: D-TP-52

SAMPLE DATE: 04/08/90

ANALYSIS DATE: 04/21/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 2500	1,2-Dichloropropane	ND 1300
Methyl bromide	ND 1300	trans-1,3-Dichloropropene	ND 1300
Vinyl chloride	ND 2500	Trichloroethylene	ND 1300
Chloroethane	ND 2500	Chlorodibromomethane	ND 1300
Ethylene chloride	ND 1300	1,1,2-Trichloroethane	ND 1300
Acetone	ND 25000	Benzene	4000 1300
Carbon disulfide	ND 1300	cis-1,3-Dichloropropene	ND 1300
1,1-Dichloroethylene	ND 1300	2-Chloroethylvinyl ether	ND 2500
1,1-Dichloroethane	ND 1300	Bromoform	ND 1300
trans-1,2-Dichloroethylene	ND 1300	2-Hexanone	ND 13000
Chloroform	ND 1300	4-Methyl-2-pentanone	ND 13000
1,2-Dichloroethane	ND 1300	Tetrachloroethylene	ND 1300
2-Butanone	ND 25000	1,1,2,2-Tetrachloroethane	ND 1300
1,1,1-Trichloroethane	ND 1300	Toluene	ND 1300
Carbon tetrachloride	ND 1300	Chlorobenzene	ND 1300
Vinyl acetate	ND 13000	Ethylbenzene	ND 1300
Chlorobromomethane	ND 1300	Styrene	ND 1300
		Xylenes, total	13000 1300

Surrogates	% Recovery
Toluene-D8	102
Bromofluorobenzene	105
1,2-Dichloroethane-D4	99

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/11/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-120

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: D-TP-53

SAMPLE DATE: 04/08/90

ANALYSIS DATE: 04/21/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 2500	1,2-Dichloropropane	ND 1300
Methyl bromide	ND 1300	trans-1,3-Dichloropropene	ND 1300
Vinyl chloride	ND 2500	Trichloroethylene	ND 1300
Chloroethane	ND 2500	Chlorodibromomethane	ND 1300
Methylene chloride	ND 1300	1,1,2-Trichloroethane	ND 1300
Acetone	ND 25000	Benzene	10000 1300
Carbon disulfide	ND 1300	cis-1,3-Dichloropropene	ND 1300
1,1-Dichloroethylene	ND 1300	2-Chloroethylvinyl ether	ND 2500
1,1-Dichloroethane	ND 1300	Bromoform	ND 1300
trans-1,2-Dichloroethylene	ND 1300	2-Hexanone	ND 13000
Chloroform	ND 1300	4-Methyl-2-pentanone	ND 13000
1,2-Dichloroethane	ND 1300	Tetrachloroethylene	ND 1300
2-Butanone	ND 25000	1,1,2,2-Tetrachloroethane	ND 1300
1,1,1-Trichloroethane	ND 1300	Toluene	ND 1300
Carbon tetrachloride	ND 1300	Chlorobenzene	ND 1300
Vinyl acetate	ND 13000	Ethylbenzene	ND 1300
Dichlorobromomethane	ND 1300	Styrene	ND 1300
		Xylenes, total	ND 1300

Surrogates	% Recovery
Toluene-D8	103
Bromofluorobenzene	108
1,2-Dichloroethane-D4	102

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 05/11/90

Client Work ID: REXENE/BRICKLAND REFINERY

Work Order: B0-04-120

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: D-TP-54

SAMPLE DATE: 04/08/90

ANALYSIS DATE: 04/21/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 2500	1,2-Dichloropropane	ND 1300
Methyl bromide	ND 1300	trans-1,3-Dichloropropene	ND 1300
Vinyl chloride	ND 2500	Trichloroethylene	ND 1300
Chloroethane	ND 2500	Chlorodibromomethane	ND 1300
Methylene chloride	ND 1300	1,1,2-Trichloroethane	ND 1300
Acetone	ND 25000	Benzene	14000 1300
Carbon disulfide	ND 1300	cis-1,3-Dichloropropene	ND 1300
1,1-Dichloroethylene	ND 1300	2-Chloroethylvinyl ether	ND 2500
1,1-Dichloroethane	ND 1300	Bromoform	ND 1300
trans-1,2-Dichloroethylene	ND 1300	2-Hexanone	ND 13000
Chloroform	ND 1300	4-Methyl-2-pentanone	ND 13000
1,2-Dichloroethane	ND 1300	Tetrachloroethylene	ND 1300
2-Butanone	ND 25000	1,1,2,2-Tetrachloroethane	ND 1300
1,1,1-Trichloroethane	ND 1300	Toluene	ND 1300
Carbon tetrachloride	ND 1300	Chlorobenzene	ND 1300
Vinyl acetate	ND 13000	Ethylbenzene	2700 1300
Dichlorobromomethane	ND 1300	Styrene	ND 1300
		Xylenes, total	ND 1300

Surrogates	% Recovery
Toluene-D8	102
Bromofluorobenzene	107
1,2-Dichloroethane-D4	104

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-172

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: F-TP-61

SAMPLE DATE: 04/10/90

ANALYSIS DATE: 05/01/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 1600	1,2-Dichloropropane	ND 800
Methyl bromide	ND 800	trans-1,3-Dichloropropene	ND 800
Vinyl chloride	ND 1600	Trichloroethylene	ND 800
Chloroethane	ND 1600	Chlorodibromomethane	ND 800
Methylene chloride	ND 800	1,1,2-Trichloroethane	ND 800
Acetone	ND 16000	Benzene	16000 800
Carbon disulfide	ND 800	cis-1,3-Dichloropropene	ND 800
1,1-Dichloroethylene	ND 800	2-Chloroethylvinyl ether	ND 1600
1,1-Dichloroethane	ND 800	Bromoform	ND 800
trans-1,2-Dichloroethylene	ND 800	2-Hexanone	ND 8000
Chloroform	ND 800	4-Methyl-2-pentanone	ND 8000
1,2-Dichloroethane	ND 800	Tetrachloroethylene	ND 800
2-Butanone	ND 16000	1,1,2,2-Tetrachloroethane	ND 800
1,1,1-Trichloroethane	ND 800	Toluene	ND 800
Carbon tetrachloride	ND 800	Chlorobenzene	ND 800
Vinyl acetate	ND 8000	Ethylbenzene	2500 800
Dichlorobromomethane	ND 800	Styrene	ND 800
		Xylenes, total	1800 800

Surrogates	% Recovery
Toluene-D8	106
Bromofluorobenzene	105
1,2-Dichloroethane-D4	112

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-172

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: A-TP-65

SAMPLE DATE: 04/10/90

ANALYSIS DATE: 05/01/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 1700	1,2-Dichloropropane	ND 850
Methyl bromide	ND 850	trans-1,3-Dichloropropene	ND 850
Vinyl chloride	ND 1700	Trichloroethylene	ND 850
Chloroethane	ND 1700	Chlorodibromomethane	ND 850
Methylene chloride	ND 850	1,1,2-Trichloroethane	ND 850
Acetone	ND 17000	Benzene	ND 850
Carbon disulfide	ND 850	cis-1,3-Dichloropropene	ND 850
1,1-Dichloroethylene	ND 850	2-Chloroethylvinyl ether	ND 1700
1,1-Dichloroethane	ND 850	Bromoform	ND 850
trans-1,2-Dichloroethylene	ND 850	2-Hexanone	ND 8500
Chloroform	ND 850	4-Methyl-2-pentanone	ND 8500
1,2-Dichloroethane	ND 850	Tetrachloroethylene	ND 850
2-Butanone	ND 17000	1,1,2,2-Tetrachloroethane	ND 850
1,1,1-Trichloroethane	ND 850	Toluene	ND 850
Carbon tetrachloride	ND 850	Chlorobenzene	ND 850
Vinyl acetate	ND 8500	Ethylbenzene	ND 850
Dichlorobromomethane	ND 850	Styrene	ND 850
		Xylenes, total	ND 850

Surrogates	% Recovery
Toluene-D8	101
Bromofluorobenzene	105
1,2-Dichloroethane-D4	98

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-172

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: G-TP-68

SAMPLE DATE: 04/10/90

ANALYSIS DATE: 05/01/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 1500	1,2-Dichloropropane	ND 750
Methyl bromide	ND 750	trans-1,3-Dichloropropene	ND 750
Vinyl chloride	ND 1500	Trichloroethylene	ND 750
Chloroethane	ND 1500	Chlorodibromomethane	ND 750
Methylene chloride	ND 750	1,1,2-Trichloroethane	ND 750
Acetone	ND 15000	Benzene	ND 750
Carbon disulfide	ND 750	cis-1,3-Dichloropropene	ND 750
1,1-Dichloroethylene	ND 750	2-Chloroethylvinyl ether	ND 1500
1,1-Dichloroethane	ND 750	Bromoform	ND 750
trans-1,2-Dichloroethylene	ND 750	2-Hexanone	ND 7500
Chloroform	ND 750	4-Methyl-2-pentanone	ND 7500
1,2-Dichloroethane	ND 750	Tetrachloroethylene	ND 750
2-Butanone	ND 15000	1,1,2,2-Tetrachloroethane	ND 750
1,1,1-Trichloroethane	ND 750	Toluene	ND 750
Carbon tetrachloride	ND 750	Chlorobenzene	ND 750
Vinyl acetate	ND 7500	Ethylbenzene	ND 750
Dichlorobromomethane	ND 750	Styrene	ND 750
		Xylenes, total	ND 750

Surrogates	% Recovery
Toluene-D8	109
Bromofluorobenzene	102
1,2-Dichloroethane-D4	103

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-172

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: G-TP-70

SAMPLE DATE: 04/10/90

ANALYSIS DATE: 04/24/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 6800	1,2-Dichloropropane	ND 3400
Methyl bromide	ND 3400	trans-1,3-Dichloropropene	ND 3400
Vinyl chloride	ND 6800	Trichloroethylene	ND 3400
Chloroethane	ND 6800	Chlorodibromomethane	ND 3400
Methylene chloride	ND 3400	1,1,2-Trichloroethane	ND 3400
Acetone	ND 68000	Benzene	ND 3400
Carbon disulfide	ND 3400	cis-1,3-Dichloropropene	ND 3400
1,1-Dichloroethylene	ND 3400	2-Chloroethylvinyl ether	ND 6800
1,1-Dichloroethane	ND 3400	Bromoform	ND 3400
trans-1,2-Dichloroethylene	ND 3400	2-Hexanone	ND 34000
Chloroform	ND 3400	4-Methyl-2-pentanone	ND 34000
1,2-Dichloroethane	ND 3400	Tetrachloroethylene	ND 3400
2-Butanone	ND 68000	1,1,2,2-Tetrachloroethane	ND 3400
1,1,1-Trichloroethane	ND 3400	Toluene	8900 3400
Carbon tetrachloride	ND 3400	Chlorobenzene	ND 3400
Vinyl acetate	ND 34000	Ethylbenzene	11000 3400
Dichlorobromomethane	ND 3400	Styrene	ND 3400
		Xylenes, total	21000 3400

Surrogates	% Recovery
Toluene-D8	106
Bromofluorobenzene	101
1,2-Dichloroethane-D4	95

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-172

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: G-TP-77

SAMPLE DATE: 04/10/90

ANALYSIS DATE: 05/01/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 1300	1,2-Dichloropropane	ND 630
Methyl bromide	ND 630	trans-1,3-Dichloropropene	ND 630
Vinyl chloride	ND 1300	Trichloroethylene	ND 630
Chloroethane	ND 1300	Chlorodibromomethane	ND 630
Methylene chloride	ND 630	1,1,2-Trichloroethane	ND 630
Acetone	ND 13000	Benzene	ND 630
Carbon disulfide	ND 630	cis-1,3-Dichloropropene	ND 630
1,1-Dichloroethylene	ND 630	2-Chloroethylvinyl ether	ND 1300
1,1-Dichloroethane	ND 630	Bromoform	ND 630
trans-1,2-Dichloroethylene	ND 630	2-Hexanone	ND 6300
Chloroform	ND 630	4-Methyl-2-pentanone	ND 6300
1,2-Dichloroethane	ND 630	Tetrachloroethylene	ND 630
2-Butanone	ND 13000	1,1,2,2-Tetrachloroethane	ND 630
1,1,1-Trichloroethane	ND 630	Toluene	ND 630
Carbon tetrachloride	ND 630	Chlorobenzene	ND 630
Vinyl acetate	ND 6300	Ethylbenzene	2400 630
Dichlorobromomethane	ND 630	Styrene	ND 630
		Xylenes, total	6000 630

Surrogates	% Recovery
Toluene-D8	98
Bromofluorobenzene	105
1,2-Dichloroethane-D4	96

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REYENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-172

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: G-TP-80

SAMPLE DATE: 04/10/90

ANALYSIS DATE: 05/01/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 1500	1,2-Dichloropropane	ND 750
Methyl bromide	ND 750	trans-1,3-Dichloropropene	ND 750
Vinyl chloride	ND 1500	Trichloroethylene	ND 750
Chloroethane	ND 1500	Chlorodibromomethane	ND 750
Methylene chloride	ND 750	1,1,2-Trichloroethane	ND 750
Acetone	ND 15000	Benzene	ND 750
Carbon disulfide	ND 750	cis-1,3-Dichloropropene	ND 750
1,1-Dichloroethylene	ND 750	2-Chloroethylvinyl ether	ND 1500
1,1-Dichloroethane	ND 750	Bromoform	ND 750
trans-1,2-Dichloroethylene	ND 750	2-Hexanone	ND 7500
Chloroform	ND 750	4-Methyl-2-pentanone	ND 7500
1,2-Dichloroethane	ND 750	Tetrachloroethylene	ND 750
2-Butanone	ND 15000	1,1,2,2-Tetrachloroethane	ND 750
1,1,1-Trichloroethane	ND 750	Toluene	ND 750
Carbon tetrachloride	ND 750	Chlorobenzene	ND 750
Vinyl acetate	ND 7500	Ethylbenzene	ND 750
Dichlorobromomethane	ND 750	Styrene	ND 750
		Xylenes, total	ND 750

Surrogates	% Recovery
Toluene-D8	98
Bromofluorobenzene	104
1,2-Dichloroethane-D4	97

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-172

TEST NAME: HAZARDOUS SUBSTANCE VOL3

SAMPLE ID: G-TP-81

SAMPLE DATE: 04/10/90

ANALYSIS DATE: 04/24/90

Results in ug/kg:

	Detection Limit		Detection Limit
Methyl chloride	ND 7500	1,2-Dichloropropane	ND 3800
Methyl bromide	ND 3800	trans-1,3-Dichloropropene	ND 3800
Vinyl chloride	ND 7500	Trichloroethylene	ND 3800
Chloroethane	ND 7500	Chlorodibromomethane	ND 3800
Methylene chloride	ND 3800	1,1,2-Trichloroethane	ND 3800
Acetone	ND 75000	Benzene	7600 3800
Carbon disulfide	ND 3800	cis-1,3-Dichloropropene	ND 3800
1,1-Dichloroethylene	ND 3800	2-Chloroethylvinyl ether	ND 7500
1,1-Dichloroethane	ND 3800	Bromoform	ND 3800
trans-1,2-Dichloroethylene	ND 3800	2-Hexanone	ND 38000
Chloroform	ND 3800	4-Methyl-2-pentanone	ND 38000
1,2-Dichloroethane	ND 3800	Tetrachloroethylene	ND 3800
2-Butanone	ND 75000	1,1,2,2-Tetrachloroethane	ND 3800
1,1,1-Trichloroethane	ND 3800	Toluene	18000 3800
Carbon tetrachloride	ND 3800	Chlorobenzene	ND 3800
Vinyl acetate	ND 38000	Ethylbenzene	46000 3800
Dichlorobromomethane	ND 3800	Styrene	ND 3800
		Xylenes, total	78000 3800

Surrogates	% Recovery
Toluene-D8	104
Bromofluorobenzene	96
1,2-Dichloroethane-D4	100

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-176

TEST NAME: HAZARDOUS SUBSTANCE VOLS

SAMPLE ID: F-TP-91

SAMPLE DATE: 04/12/90

ANALYSIS DATE: 04/24/90

Results in ug/kg:

Detection
LimitDetection
Limit

Methyl chloride	ND	10	1,2-Dichloropropane	ND	5.0
Methyl bromide	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
Vinyl chloride	ND	10	Trichloroethylene	ND	5.0
Chloroethane	ND	10	Chlorodibromomethane	ND	5.0
Methylene chloride	ND	5.0	1,1,2-Trichloroethane	ND	5.0
Acetone	ND	100	Benzene	ND	5.0
Carbon disulfide	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
1,1-Dichloroethylene	ND	5.0	2-Chloroethylvinyl ether	ND	10
1,1-Dichloroethane	ND	5.0	Bromoform	ND	5.0
trans-1,2-Dichloroethylene	ND	5.0	2-Hexanone	ND	50
Chloroform	ND	5.0	4-Methyl-2-pentanone	ND	50
1,2-Dichloroethane	ND	5.0	Tetrachloroethylene	ND	5.0
2-Butanone	ND	100	1,1,2,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0	Toluene	ND	5.0
Carbon tetrachloride	ND	5.0	Chlorobenzene	ND	5.0
Vinyl acetate	ND	50	Ethylbenzene	ND	5.0
Dichlorobromomethane	ND	5.0	Styrene	ND	5.0
			Xylenes, total	ND	5.0

Surrogates	% Recovery
Toluene-D8	99
Bromofluorobenzene	101
1,2-Dichloroethane-D4	107

Comments: 'ND' or '<' indicates that the compound is not detected at the specified limit.

- SOIL-SEMI-VOC RESULTS

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-032

TEST NAME: ABM HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-5-SS-04

SAMPLE DATE: 03/27/90

EXTRACTION DATE: 04/09/90

ANALYSIS DATE: 04/20/90

Results in mg/kg:
Detection
Limit

Detection
Limit

Phenol	ND	19	2,6-Dinitrotoluene	ND	19
bis(2-Chloroethyl)ether	ND	19	3-Nitroaniline	ND	95
2-Chlorophenol	ND	19	Acenaphthene	ND	19
1,3-Dichlorobenzene	ND	19	2,4-Dinitrophenol	ND	95
1,4-Dichlorobenzene	ND	19	4-Nitrophenol	ND	95
Benzyl alcohol	ND	38	Dibenzofuran	ND	19
1,2-Dichlorobenzene	ND	19	2,4-Dinitrotoluene	ND	19
2-Methylphenol	ND	19	Diethylphthalate	ND	19
bis(2-Chloroisopropyl)ether	ND	19	4-Chlorophenyl-phenylether	ND	19
4-Methylphenol	ND	19	Fluorene	ND	19
N-Nitroso-di-n-propylamine	ND	19	4-Nitroaniline	ND	95
Hexachloroethane	ND	19	4,6-Dinitro-2-methylphenol	ND	95
Nitrobenzene	ND	19	N-Nitrosodiphenylamine	ND	19
Isophorone	ND	19	4-Bromophenyl-phenylether	ND	19
2-Nitrophenol	ND	19	Hexachlorobenzene	ND	19
2,4-Dimethylphenol	ND	19	Pentachlorophenol	ND	95
Benzoic Acid	ND	95	Phenanthrene	ND	19
bis(2-Chloroethoxy)methane	ND	19	Anthracene	ND	19
2,4-Dichlorophenol	ND	19	Di-n-butylphthalate	ND	19
1,2,4-Trichlorobenzene	ND	19	Fluoranthene	ND	19
Naphthalene	ND	19	Pyrene	ND	19
4-Chloroaniline	ND	38	Butylbenzylphthalate	ND	19
Hexachlorobutadiene	ND	19	3,3'-Dichlorobenzidine	ND	38
4-Chloro-3-methylphenol	ND	38	Benzo(a)anthracene	ND	19
2-Methylnaphthalene	23	19	Chrysene	ND	19
Hexachlorocyclopentadiene	ND	19	bis(2-Ethylhexyl)phthalate	ND	19
2,4,6-Trichlorophenol	ND	19	Di-n-octylphthalate	ND	19
2,4,5-Trichlorophenol	ND	19	Benzo(b)fluoranthene	ND	19
2-Chloronaphthalene	ND	19	Benzo(k)fluoranthene	ND	19
2-Nitroaniline	ND	95	Benzo(a)pyrene	ND	19
Dimethylphthalate	ND	19	Indeno(1,2,3-cd)pyrene	ND	19
Acenaphthylene	ND	19	Dibenzo(a,h)anthracene	ND	19
			Benzo(g,h,i)perylene	ND	19

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-234

TEST NAME: ABW HSL GC/MS EXTRACTABLES

SAMPLE ID: MW-11-88-10

SAMPLE DATE: 04/10/90

EXTRACTION DATE: 04/24/90

ANALYSIS DATE: 05/12/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	2.3	2,6-Dinitrotoluene	ND	2.3	
bis(2-Chloroethyl)ether	ND	2.3	3-Nitroaniline	ND	12	
2-Chlorophenol	ND	2.3	Acenaphthene	ND	2.3	
1,3-Dichlorobenzene	ND	2.3	2,4-Dinitrophenol	ND	12	
1,4-Dichlorobenzene	ND	2.3	4-Nitrophenol	ND	12	
Benzyl alcohol	ND	4.6	Dibenzofuran	ND	2.3	
1,2-Dichlorobenzene	ND	2.3	2,4-Dinitrotoluene	ND	2.3	
2-Methylphenol	ND	2.3	Diethylphthalate	ND	2.3	
bis(2-Chloroisopropyl)ether	ND	2.3	4-Chlorophenyl-phenylether	ND	2.3	
4-Methylphenol	ND	2.3	Fluorene	ND	2.3	
N-Nitroso-di-n-propylamine	ND	2.3	4-Nitroaniline	ND	12	
Hexachloroethane	ND	2.3	4,6-Dinitro-2-methylphenol	ND	12	
Nitrobenzene	ND	2.3	N-Nitrosodiphenylamine	ND	2.3	
Isophorone	ND	2.3	4-Bromophenyl-phenylether	ND	2.3	
2-Nitrophenol	ND	2.3	Hexachlorobenzene	ND	2.3	
2,4-Dimethylphenol	ND	2.3	Pentachlorophenol	ND	12	
Benzoic Acid	ND	12	Phenanthrene	4.8	2.3	
bis(2-Chloroethoxy)methane	ND	2.3	Anthracene	ND	2.3	
2,4-Dichlorophenol	ND	2.3	Di-n-butylphthalate	ND	2.3	
1,2,4-Trichlorobenzene	ND	2.3	Fluoranthene	ND	2.3	
Naphthalene	ND	2.3	Pyrene	2.4	2.3	
4-Chloroaniline	ND	4.6	Butylbenzylphthalate	ND	2.3	
Hexachlorobutadiene	ND	2.3	3,3'-Dichlorobenzidine	ND	4.6	
4-Chloro-3-methylphenol	ND	4.6	Benzo(a)anthracene	ND	2.3	
2-Methylnaphthalene	3.3	2.3	Chrysene	ND	2.3	
Hexachlorocyclopentadiene	ND	2.3	bis(2-Ethylhexyl)phthalate	ND	2.3	
2,4,6-Trichlorophenol	ND	2.3	Di-n-octylphthalate	ND	2.3	
2,4,5-Trichlorophenol	ND	2.3	Benzo(b)fluoranthene	ND	2.3	
2-Chloronaphthalene	ND	2.3	Benzo(k)fluoranthene	ND	2.3	
2-Nitroaniline	ND	12	Benzo(a)pyrene	ND	2.3	
Dimethylphthalate	ND	2.3	Indeno(1,2,3-cd)pyrene	ND	2.3	
Acenaphthylene	ND	2.3	Dibenzo(a,h)anthracene	ND	2.3	
			Benzo(g,h,i)perylene	ND	2.3	

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-168

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: B-5

SAMPLE DATE: 04/04/90

EXTRACTION DATE: 04/18/90

ANALYSIS DATE: 05/02/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	2.1	2,6-Dinitrotoluene	ND	2.1	
bis(2-Chloroethyl)ether	ND	2.1	3-Nitroaniline	ND	11	
2-Chlorophenol	ND	2.1	Acenaphthene	ND	2.1	
1,3-Dichlorobenzene	ND	2.1	2,4-Dinitrophenol	ND	11	
1,4-Dichlorobenzene	ND	2.1	4-Nitrophenol	ND	11	
Benzyl alcohol	ND	4.2	Dibenzofuran	ND	2.1	
1,2-Dichlorobenzene	ND	2.1	2,4-Dinitrotoluene	ND	2.1	
2-Methylphenol	ND	2.1	Diethylphthalate	ND	2.1	
bis(2-Chloroisopropyl)ether	ND	2.1	4-Chlorophenyl-phenylether	ND	2.1	
4-Methylphenol	ND	2.1	Fluorene	ND	2.1	
N-Nitroso-di-n-propylamine	ND	2.1	4-Nitroaniline	ND	11	
Hexachloroethane	ND	2.1	4,6-Dinitro-2-methylphenol	ND	11	
Nitrobenzene	ND	2.1	N-Nitrosodiphenylamine	ND	2.1	
Isophorone	ND	2.1	4-Bromophenyl-phenylether	ND	2.1	
2-Nitrophenol	ND	2.1	Hexachlorobenzene	ND	2.1	
2,4-Dimethylphenol	ND	2.1	Pentachlorophenol	ND	11	
Benzoic Acid	ND	11	Phenanthrene	ND	2.1	
bis(2-Chloroethoxy)methane	ND	2.1	Anthracene	ND	2.1	
2,4-Dichlorophenol	ND	2.1	Di-n-butylphthalate	ND	2.1	
1,2,4-Trichlorobenzene	ND	2.1	Fluoranthene	ND	2.1	
Naphthalene	3.0	2.1	Pyrene	ND	2.1	
4-Chloroaniline	ND	4.2	Butylbenzylphthalate	ND	2.1	
Hexachlorobutadiene	ND	2.1	3,3'-Dichlorobenzidine	ND	4.2	
4-Chloro-3-methylphenol	ND	4.2	Benzo(a)anthracene	ND	2.1	
2-Methylnaphthalene	8.8	2.1	Chrysene	ND	2.1	
Hexachlorocyclopentadiene	ND	2.1	bis(2-Ethylhexyl)phthalate	ND	2.1	
2,4,6-Trichlorophenol	ND	2.1	Di-n-octylphthalate	ND	2.1	
2,4,5-Trichlorophenol	ND	2.1	Benzo(b)fluoranthene	ND	2.1	
2-Chloronaphthalene	ND	2.1	Benzo(k)fluoranthene	ND	2.1	
2-Nitroaniline	ND	11	Benzo(a)pyrene	ND	2.1	
Dimethylphthalate	ND	2.1	Indeno(1,2,3-cd)pyrene	ND	2.1	
Acenaphthylene	ND	2.1	Dibenzo(a,h)anthracene	ND	2.1	
			Benzo(g,h,i)perylene	ND	2.1	

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-168

TEST NAME: ABN ESL GC/MS EXTRACTABLES

SAMPLE ID: B-13

SAMPLE DATE: 04/05/90

EXTRACTION DATE: 04/18/90

ANALYSIS DATE: 05/02/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	0.42	2,6-Dinitrotoluene	ND	0.42	
Bis(2-Chloroethyl)ether	ND	0.42	3-Nitroaniline	ND	2.1	
2-Chlorophenol	ND	0.42	Acenaphthene	ND	0.42	
1,3-Dichlorobenzene	ND	0.42	2,4-Dinitrophenol	ND	2.1	
1,4-Dichlorobenzene	ND	0.42	4-Nitrophenol	ND	2.1	
Benzyl alcohol	ND	0.84	Dibenzofuran	ND	0.42	
1,2-Dichlorobenzene	ND	0.42	2,4-Dinitrotoluene	ND	0.42	
2-Methylphenol	ND	0.42	Diethylphthalate	ND	0.42	
Bis(2-Chloroisopropyl)ether	ND	0.42	4-Chlorophenyl-phenylether	ND	0.42	
4-Methylphenol	ND	0.42	Fluorene	ND	0.42	
N-Nitroso-di-n-propylamine	ND	0.42	4-Nitroaniline	ND	2.1	
Hexachloroethane	ND	0.42	4,6-Dinitro-2-methylphenol	ND	2.1	
Nitrobenzene	ND	0.42	N-Nitrosodiphenylamine	ND	0.42	
Isophorone	ND	0.42	4-Bromophenyl-phenylether	ND	0.42	
2-Nitrophenol	ND	0.42	Hexachlorobenzene	ND	0.42	
2,4-Dimethylphenol	ND	0.42	Pentachlorophenol	ND	2.1	
Benzoic Acid	ND	2.1	Phenanthrene	ND	0.42	
Bis(2-Chloroethoxy)methane	ND	0.42	Anthracene	ND	0.42	
2,4-Dichlorophenol	ND	0.42	Di-n-butylphthalate	ND	0.42	
1,2,4-Trichlorobenzene	ND	0.42	Fluoranthene	ND	0.42	
Naphthalene	1.5	0.42	Pyrene	ND	0.42	
4-Chloroaniline	ND	0.84	Butylbenzylphthalate	ND	0.42	
Hexachlorobutadiene	ND	0.42	3,3'-Dichlorobenzidine	ND	0.84	
4-Chloro-3-methylphenol	ND	0.84	Benzo(a)anthracene	ND	0.42	
2-Methylnaphthalene	3.3	0.42	Chrysene	ND	0.42	
Hexachlorocyclopentadiene	ND	0.42	bis(2-Ethylhexyl)phthalate	ND	0.42	
2,4,6-Trichlorophenol	ND	0.42	Di-n-octylphthalate	ND	0.42	
2,4,5-Trichlorophenol	ND	0.42	Benzo(b)fluoranthene	ND	0.42	
2-Chloronaphthalene	ND	0.42	Benzo(k)fluoranthene	ND	0.42	
2-Nitroaniline	ND	2.1	Benzo(a)pyrene	ND	0.42	
Dimethylphthalate	ND	0.42	Indeno(1,2,3-cd)pyrene	ND	0.42	
Acenaphthylene	ND	0.42	Dibenzo(a,h)anthracene	ND	0.42	
			Benzo(g,h,i)perylene	ND	0.42	

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: BO-04-168

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: B-22-2

SAMPLE DATE: 04/05/90

EXTRACTION DATE: 04/18/90

ANALYSIS DATE: 05/02/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	2.1	2,6-Dinitrotoluene	ND	2.1	
bis(2-Chloroethyl)ether	ND	2.1	3-Nitroaniline	ND	11	
2-Chlorophenol	ND	2.1	Acenaphthene	ND	2.1	
1,3-Dichlorobenzene	ND	2.1	2,4-Dinitrophenol	ND	11	
1,4-Dichlorobenzene	ND	2.1	4-Nitrophenol	ND	11	
Benzyl alcohol	ND	4.2	Dibenzofuran	ND	2.1	
1,2-Dichlorobenzene	ND	2.1	2,4-Dinitrotoluene	ND	2.1	
2-Methylphenol	ND	2.1	Diethylphthalate	ND	2.1	
bis(2-Chloroisopropyl)ether	ND	2.1	4-Chlorophenyl-phenylether	ND	2.1	
4-Methylphenol	ND	2.1	Fluorene	ND	2.1	
N-Nitroso-di-n-propylamine	ND	2.1	4-Nitroaniline	ND	11	
Hexachloroethane	ND	2.1	4,6-Dinitro-2-methylphenol	ND	11	
Nitrobenzene	ND	2.1	N-Nitrosodiphenylamine	ND	2.1	
Isophorone	ND	2.1	4-Bromophenyl-phenylether	ND	2.1	
2-Nitrophenol	ND	2.1	Hexachlorobenzene	ND	2.1	
2,4-Dimethylphenol	ND	2.1	Pentachlorophenol	ND	11	
Benzoic Acid	ND	11	Phenanthrene	ND	2.1	
bis(2-Chloroethoxy)methane	ND	2.1	Anthracene	ND	2.1	
2,4-Dichlorophenol	ND	2.1	Di-n-butylphthalate	ND	2.1	
1,2,4-Trichlorobenzene	ND	2.1	Fluoranthene	ND	2.1	
Naphthalene	16	2.1	Pyrene	ND	2.1	
4-Chloroaniline	ND	4.2	Butylbenzylphthalate	ND	2.1	
Hexachlorobutadiene	ND	2.1	3,3'-Dichlorobenzidine	ND	4.2	
4-Chloro-3-methylphenol	ND	4.2	Benzo(a)anthracene	ND	2.1	
2-Methylnaphthalene	23	2.1	Chrysene	ND	2.1	
Hexachlorocyclopentadiene	ND	2.1	bis(2-Ethylhexyl)phthalate	ND	2.1	
2,4,6-Trichlorophenol	ND	2.1	Di-n-octylphthalate	ND	2.1	
2,4,5-Trichlorophenol	ND	2.1	Benzo(b)fluoranthene	ND	2.1	
2-Chloronaphthalene	ND	2.1	Benzo(k)fluoranthene	ND	2.1	
2-Nitroaniline	ND	11	Benzo(a)pyrene	ND	2.1	
Dimethylphthalate	ND	2.1	Indeno(1,2,3-cd)pyrene	ND	2.1	
Acenaphthylene	ND	2.1	Dibenzo(a,h)anthracene	ND	2.1	
			Benzo(g,h,i)perylene	ND	2.1	

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-032

TEST NAME: ARN HSL GC/MS EXTRACTABLES

SAMPLE ID: C-TP-8-8

SAMPLE DATE: 03/28/90

EXTRACTION DATE: 04/09/90

ANALYSIS DATE: 04/20/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	13	2,6-Dinitrotoluene	ND	13	
bis(2-Chloroethyl)ether	ND	13	3-Nitroaniline	ND	65	
2-Chlorophenol	ND	13	Acenaphthene	ND	13	
1,3-Dichlorobenzene	ND	13	2,4-Dinitrophenol	ND	65	
1,4-Dichlorobenzene	ND	13	4-Nitrophenol	ND	65	
Benzyl alcohol	ND	26	Dibenzofuran	ND	13	
1,2-Dichlorobenzene	ND	13	2,4-Dinitrotoluene	ND	13	
2-Methylphenol	ND	13	Diethylphthalate	ND	13	
bis(2-Chloroisopropyl)ether	ND	13	4-Chlorophenyl-phenylether	ND	13	
4-Methylphenol	ND	13	Fluorene	ND	13	
N-Nitroso-di-n-propylamine	ND	13	4-Nitroaniline	ND	65	
Hexachloroethane	ND	13	4,6-Dinitro-2-methylphenol	ND	65	
Nitrobenzene	ND	13	N-Nitrosodiphenylamine	ND	13	
Isophorone	ND	13	4-Bromophenyl-phenylether	ND	13	
2-Nitrophenol	ND	13	Hexachlorobenzene	ND	13	
2,4-Dimethylphenol	ND	13	Pentachlorophenol	ND	65	
Benzoic Acid	ND	65	Phenanthrene	21	13	
bis(2-Chloroethoxy)methane	ND	13	Anthracene	ND	13	
2,4-Dichlorophenol	ND	13	Di-n-butylphthalate	ND	13	
1,2,4-Trichlorobenzene	ND	13	Fluoranthene	ND	13	
Naphthalene	ND	13	Pyrene	19	13	
4-Chloroaniline	ND	26	Butylbenzylphthalate	ND	13	
Hexachlorobutadiene	ND	13	3,3'-Dichlorobenzidine	ND	26	
4-Chloro-3-methylphenol	ND	26	Benzo(a)anthracene	ND	13	
2-Methylnaphthalene	26	13	Chrysene	ND	13	
Hexachlorocyclopentadiene	ND	13	bis(2-Ethylhexyl)phthalate	ND	13	
2,4,6-Trichlorophenol	ND	13	Di-n-octylphthalate	ND	13	
2,4,5-Trichlorophenol	ND	13	Benzo(b)fluoranthene	ND	13	
2-Chloronaphthalene	ND	13	Benzo(k)fluoranthene	ND	13	
2-Nitroaniline	ND	65	Benzo(a)pyrene	ND	13	
Dimethylphthalate	ND	13	Indeno(1,2,3-cd)pyrene	ND	13	
Acenaphthylene	ND	13	Dibenzo(a,h)anthracene	ND	13	
			Benzo(g,h,i)perylene	ND	13	

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-032

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: E-TP-9

SAMPLE DATE: 03/28/90

EXTRACTION DATE: 04/09/90

ANALYSIS DATE: 04/20/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	21	2,6-Dinitrotoluene	ND	21	
bis(2-Chloroethyl)ether	ND	21	3-Nitroaniline	ND	110	
2-Chlorophenol	ND	21	Acenaphthene	ND	21	
1,3-Dichlorobenzene	ND	21	2,4-Dinitrophenol	ND	110	
1,4-Dichlorobenzene	ND	21	4-Nitrophenol	ND	110	
Benzyl alcohol	ND	42	Dibenzofuran	ND	21	
1,2-Dichlorobenzene	ND	21	2,4-Dinitrotoluene	ND	21	
2-Methylphenol	ND	21	Diethylphthalate	ND	21	
bis(2-Chloroisopropyl)ether	ND	21	4-Chlorophenyl-phenylether	ND	21	
4-Methylphenol	ND	21	Fluorene	ND	21	
N-Nitroso-di-n-propylamine	ND	21	4-Nitroaniline	ND	110	
Hexachloroethane	ND	21	4,6-Dinitro-2-methylphenol	ND	110	
Nitrobenzene	ND	21	N-Nitrosodiphenylamine	ND	21	
Isophorone	ND	21	4-Bromophenyl-phenylether	ND	21	
2-Nitrophenol	ND	21	Hexachlorobenzene	ND	21	
2,4-Dimethylphenol	ND	21	Pentachlorophenol	ND	110	
Benzoic Acid	ND	110	Phenanthrene	ND	21	
bis(2-Chloroethoxy)methane	ND	21	Anthracene	ND	21	
2,4-Dichlorophenol	ND	21	Di-n-butylphthalate	ND	21	
1,2,4-Trichlorobenzene	ND	21	Fluoranthene	ND	21	
Naphthalene	ND	21	Pyrene	ND	21	
4-Chloroaniline	ND	42	Butylbenzylphthalate	ND	21	
Hexachlorobutadiene	ND	21	3,3'-Dichlorobenzidine	ND	42	
4-Chloro-3-methylphenol	ND	42	Benzo(a)anthracene	ND	21	
2-Methylnaphthalene	32	21	Chrysene	ND	21	
Hexachlorocyclopentadiene	ND	21	bis(2-Ethylhexyl)phthalate	ND	21	
2,4,6-Trichlorophenol	ND	21	Di-n-octylphthalate	ND	21	
2,4,5-Trichlorophenol	ND	21	Benzo(b)fluoranthene	ND	21	
2-Chloronaphthalene	ND	21	Benzo(k)fluoranthene	ND	21	
2-Nitroaniline	ND	110	Benzo(a)pyrene	ND	21	
Dimethylphthalate	ND	21	Indeno(1,2,3-cd)pyrene	ND	21	
Acenaphthylene	ND	21	Dibenzo(a,h)anthracene	ND	21	
			Benzo(g,h,i)perylene	ND	21	

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-088

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: E-TP-15

SAMPLE DATE: 03/29/90

EXTRACTION DATE: 04/10/90

ANALYSIS DATE: 05/03/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	22	2,6-Dinitrotoluene	ND	22	
bis(2-Chloroethyl)ether	ND	22	3-Nitroaniline	ND	110	
2-Chlorophenol	ND	22	Acenaphthene	ND	22	
1,3-Dichlorobenzene	ND	22	2,4-Dinitrophenol	ND	110	
1,4-Dichlorobenzene	ND	22	4-Nitrophenol	ND	110	
Benzyl alcohol	ND	45	Dibenzofuran	ND	22	
1,2-Dichlorobenzene	ND	22	2,4-Dinitrotoluene	ND	22	
2-Methylphenol	ND	22	Diethylphthalate	ND	22	
bis(2-Chloroisopropyl)ether	ND	22	4-Chlorophenyl-phenylether	ND	22	
4-Methylphenol	ND	22	Fluorene	ND	22	
N-Nitroso-di-n-propylamine	ND	22	4-Nitroaniline	ND	110	
Hexachloroethane	ND	22	4,6-Dinitro-2-methylphenol	ND	110	
Nitrobenzene	ND	22	N-Nitrosodiphenylamine	ND	22	
Isophorone	ND	22	4-Bromophenyl-phenylether	ND	22	
2-Nitrophenol	ND	22	Hexachlorobenzene	ND	22	
2,4-Dimethylphenol	ND	22	Pentachlorophenol	ND	110	
Benzoic Acid	ND	110	Phenanthrene	ND	22	
bis(2-Chloroethoxy)methane	ND	22	Anthracene	ND	22	
2,4-Dichlorophenol	ND	22	Di-n-butylphthalate	ND	22	
1,2,4-Trichlorobenzene	ND	22	Fluoranthene	ND	22	
Naphthalene	33	22	Pyrene	ND	22	
4-Chloroaniline	ND	44	Butylbenzylphthalate	ND	22	
Hexachlorobutadiene	ND	22	3,3'-Dichlorobenzidine	ND	45	
4-Chloro-3-methylphenol	ND	44	Benzo(a)anthracene	ND	22	
2-Methylnaphthalene	160	22	Chrysene	ND	22	
Hexachlorocyclopentadiene	ND	22	bis(2-Ethylhexyl)phthalate	ND	22	
2,4,6-Trichlorophenol	ND	22	Di-n-octylphthalate	ND	22	
2,4,5-Trichlorophenol	ND	22	Benzo(b)fluoranthene	ND	22	
2-Chloronaphthalene	ND	22	Benzo(k)fluoranthene	ND	22	
2-Nitroaniline	ND	110	Benzo(a)pyrene	ND	22	
Dimethylphthalate	ND	22	Indeno(1,2,3-cd)pyrene	ND	22	
Acenaphthylene	ND	22	Dibenzo(a,h)anthracene	ND	22	
			Benzo(g,h,i)perylene	ND	22	

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: BO-04-088

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: E-TP-21

SAMPLE DATE: 03/29/90

EXTRACTION DATE: 04/10/90

ANALYSIS DATE: 05/02/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	23	2,6-Dinitrotoluene	ND	23	
Bis(2-Chloroethyl)ether	ND	23	3-Nitroaniline	ND	110	
2-Chlorophenol	ND	23	Acenaphthene	ND	23	
1,3-Dichlorobenzene	ND	23	2,4-Dinitrophenol	ND	110	
1,4-Dichlorobenzene	ND	23	4-Nitrophenol	ND	110	
Benzyl alcohol	ND	46	Dibenzofuran	ND	23	
1,2-Dichlorobenzene	ND	23	2,4-Dinitrotoluene	ND	23	
2-Methylphenol	ND	23	Diethylphthalate	ND	23	
Bis(2-Chloroisopropyl)ether	ND	23	4-Chlorophenyl-phenylether	ND	23	
4-Methylphenol	ND	23	Fluorene	ND	23	
N-Nitroso-di-n-propylamine	ND	23	4-Nitroaniline	ND	110	
Hexachloroethane	ND	23	4,6-Dinitro-2-methylphenol	ND	110	
Nitrobenzene	ND	23	N-Nitrosodiphenylamine	ND	23	
Isophorone	ND	23	4-Bromophenyl-phenylether	ND	23	
2-Nitrophenol	ND	23	Hexachlorobenzene	ND	23	
2,4-Dimethylphenol	ND	23	Pentachlorophenol	ND	110	
Benzoic Acid	ND	110	Phenanthrene	ND	23	
Bis(2-Chloroethoxy)methane	ND	23	Anthracene	ND	23	
2,4-Dichlorophenol	ND	23	Di-n-butylphthalate	ND	23	
1,2,4-Trichlorobenzene	ND	23	Fluoranthene	ND	23	
Naphthalene	ND	23	Pyrene	ND	23	
4-Chloroaniline	47	46	Butylbenzylphthalate	ND	23	
Hexachlorobutadiene	ND	23	3,3'-Dichlorobenzidine	ND	46	
4-Chloro-3-methylphenol	ND	46	Benzo(a)anthracene	ND	23	
2-Methylnaphthalene	160	23	Chrysene	ND	23	
Hexachlorocyclopentadiene	ND	23	bis(2-Ethylhexyl)phthalate	ND	23	
2,4,6-Trichlorophenol	ND	23	Di-n-octylphthalate	ND	23	
2,4,5-Trichlorophenol	ND	23	Benzo(b)fluoranthene	ND	23	
2-Chloronaphthalene	ND	23	Benzo(k)fluoranthene	ND	23	
2-Nitroaniline	ND	110	Benzo(a)pyrene	ND	23	
Dimethylphthalate	ND	23	Indeno(1,2,3-cd)pyrene	ND	23	
Acenaphthylene	ND	23	Dibenzo(a,h)anthracene	ND	23	
			Benzo(g,h,i)perylene	ND	23	

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-088

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: E-TP-22-1

SAMPLE DATE: 03/30/90

EXTRACTION DATE: 04/10/90

ANALYSIS DATE: 05/13/90

	Results in		mg/kg:		Detection	
	Detection	Limit			Limit	
Phenol	ND	68	2,6-Dinitrotoluene	ND	68	
bis(2-Chloroethyl)ether	ND	68	3-Nitroaniline	ND	340	
2-Chlorophenol	ND	68	Acenaphthene	ND	68	
1,3-Dichlorobenzene	ND	68	2,4-Dinitrophenol	ND	340	
1,4-Dichlorobenzene	ND	68	4-Nitrophenol	ND	340	
Benzyl alcohol	ND	140	Dibenzofuran	ND	68	
1,2-Dichlorobenzene	ND	68	2,4-Dinitrotoluene	ND	68	
2-Methylphenol	ND	68	Diethylphthalate	ND	68	
bis(2-Chloroisopropyl)ether	ND	68	4-Chlorophenyl-phenylether	ND	68	
4-Methylphenol	ND	68	Fluorene	ND	68	
N-Nitroso-di-n-propylamine	ND	68	4-Nitroaniline	ND	340	
Hexachloroethane	ND	68	4,6-Dinitro-2-methylphenol	ND	340	
Nitrobenzene	ND	68	N-Nitrosodiphenylamine	ND	68	
Isophorone	ND	68	4-Bromophenyl-phenylether	ND	68	
2-Nitrophenol	ND	68	Hexachlorobenzene	ND	68	
2,4-Dimethylphenol	ND	68	Pentachlorophenol	ND	340	
Benzoic Acid	ND	340	Phenanthrene	50	68	
bis(2-Chloroethoxy)methane	ND	68	Anthracene	ND	68	
2,4-Dichlorophenol	ND	68	Di-n-butylphthalate	ND	68	
1,2,4-Trichlorobenzene	ND	68	Fluoranthene	ND	68	
Naphthalene	ND	68	Pyrene	61 *	68	
4-Chloroaniline	ND	140	Butylbenzylphthalate	ND	68	
Hexachlorobutadiene	ND	68	3,3'-Dichlorobenzidine	ND	140	
4-Chloro-3-methylphenol	ND	140	Benzo(a)anthracene	ND	68	
2-Methylnaphthalene	120	68	Chrysene	ND	68	
Hexachlorocyclopentadiene	ND	68	bis(2-Ethylhexyl)phthalate	ND	68	
2,4,6-Trichlorophenol	ND	68	Di-n-octylphthalate	ND	68	
2,4,5-Trichlorophenol	ND	68	Benzo(b)fluoranthene	ND	68	
2-Chloronaphthalene	ND	68	Benzo(k)fluoranthene	ND	68	
2-Nitroaniline	ND	340	Benzo(a)pyrene	ND	68	
Dimethylphthalate	ND	68	Indeno(1,2,3-cd)pyrene	ND	68	
Acenaphthylene	ND	68	Dibenzo(a,h)anthracene	ND	68	
			Benzo(g,h,i)perylene	ND	68	

Company: EDER ASSOCIATES

Date: 08/17/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-088

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: E-TP-25

SAMPLE DATE: 03/30/90

EXTRACTION DATE: 04/10/90

ANALYSIS DATE: 04/18/90

Results in mg/kg:
Detection
Limit

Detection
Limit

Phenol	ND	4.7	2,6-Dinitrotoluene	ND	4.7
bis(2-Chloroethyl)ether	ND	4.7	3-Nitroaniline	ND	24
2-Chlorophenol	ND	4.7	Acenaphthene	ND	4.7
1,3-Dichlorobenzene	ND	4.7	2,4-Dinitrophenol	ND	24
1,4-Dichlorobenzene	ND	4.7	4-Nitrophenol	ND	24
Benzyl alcohol	ND	9.4	Dibenzofuran	ND	4.7
1,2-Dichlorobenzene	ND	4.7	2,4-Dinitrotoluene	ND	4.7
2-Methylphenol	ND	4.7	Diethylphthalate	ND	4.7
bis(2-Chloroisopropyl)ether	ND	4.7	4-Chlorophenyl-phenylether	ND	4.7
4-Methylphenol	ND	4.7	Fluorene	ND	4.7
N-Nitroso-di-n-propylamine	ND	4.7	4-Nitroaniline	ND	24
Hexachloroethane	ND	4.7	4,6-Dinitro-2-methylphenol	ND	24
Nitrobenzene	ND	4.7	N-Nitrosodiphenylamine	ND	4.7
Isophorone	ND	4.7	4-Bromophenyl-phenylether	ND	4.7
2-Nitrophenol	ND	4.7	Hexachlorobenzene	ND	4.7
2,4-Dimethylphenol	ND	4.7	Pentachlorophenol	ND	24
Benzoic Acid	ND	24	Phenanthrene	6.0	4.7
bis(2-Chloroethoxy)methane	ND	4.7	Anthracene	ND	4.7
2,4-Dichlorophenol	ND	4.7	Di-n-butylphthalate	ND	4.7
1,2,4-Trichlorobenzene	ND	4.7	Fluoranthene	ND	4.7
Naphthalene	14	4.7	Pyrene	ND	4.7
4-Chloroaniline	ND	9.4	Butylbenzylphthalate	ND	4.7
Hexachlorobutadiene	ND	4.7	3,3'-Dichlorobenzidine	ND	9.4
4-Chloro-3-methylphenol	ND	9.4	Benzo(a)anthracene	ND	4.7
2-Methylnaphthalene	29	4.7	Chrysene	ND	4.7
Hexachlorocyclopentadiene	ND	4.7	bis(2-Ethylhexyl)phthalate	ND	4.7
2,4,6-Trichlorophenol	ND	4.7	Di-n-octylphthalate	ND	4.7
2,4,5-Trichlorophenol	ND	4.7	Benzo(b)fluoranthene	ND	4.7
2-Chloronaphthalene	ND	4.7	Benzo(k)fluoranthene	ND	4.7
2-Nitroaniline	ND	24	Benzo(a)pyrene	ND	4.7
Dimethylphthalate	ND	4.7	Indeno(1,2,3-cd)pyrene	ND	4.7
Acenaphthylene	ND	4.7	Dibenzo(a,h)anthracene	ND	4.7
			Benzo(g,h,i)perylene	ND	4.7

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-168

TEST NAME: ABM HSL GC/MS EXTRACTABLES

SAMPLE ID: E-TP-29

SAMPLE DATE: 04/09/90

EXTRACTION DATE: 04/18/90

ANALYSIS DATE: 05/02/90

Results in mg/kg:
Detection
Limit

Detection
Limit

Phenol	ND	7.1	2,6-Dinitrotoluene	ND	7.1
bis(2-Chloroethyl)ether	ND	7.1	3-Nitroaniline	ND	36
2-Chlorophenol	ND	7.1	Acenaphthene	ND	7.1
1,3-Dichlorobenzene	ND	7.1	2,4-Dinitrophenol	ND	36
1,4-Dichlorobenzene	ND	7.1	4-Nitrophenol	ND	36
Benzyl alcohol	ND	14	Dibenzofuran	ND	7.1
1,2-Dichlorobenzene	ND	7.1	2,4-Dinitrotoluene	ND	7.1
2-Methylphenol	ND	7.1	Diethylphthalate	ND	7.1
bis(2-Chloroisopropyl)ether	ND	7.1	4-Chlorophenyl-phenylether	ND	7.1
4-Methylphenol	ND	7.1	Fluorene	ND	7.1
N-Nitroso-di-n-propylamine	ND	7.1	4-Nitroaniline	ND	36
Hexachloroethane	ND	7.1	4,6-Dinitro-2-methylphenol	ND	36
Nitrobenzene	ND	7.1	N-Nitrosodiphenylamine	ND	7.1
Isophorone	ND	7.1	4-Bromophenyl-phenylether	ND	7.1
2-Nitrophenol	ND	7.1	Hexachlorobenzene	ND	7.1
2,4-Dimethylphenol	ND	7.1	Pentachlorophenol	ND	36
Benzoic Acid	ND	36	Phenanthrene	23	7.1
bis(2-Chloroethoxy)methane	ND	7.1	Anthracene	ND	7.1
2,4-Dichlorophenol	ND	7.1	Di-n-butylphthalate	ND	7.1
1,2,4-Trichlorobenzene	ND	7.1	Fluoranthene	ND	7.1
Naphthalene	ND	7.1	Pyrene	16	7.1
4-Chloroaniline	ND	14	Butylbenzylphthalate	ND	7.1
Hexachlorobutadiene	ND	7.1	3,3'-Dichlorobenzidine	ND	14
4-Chloro-3-methylphenol	ND	14	Benzo(a)anthracene	ND	7.1
2-Methylnaphthalene	17	7.1	Chrysene	ND	7.1
Hexachlorocyclopentadiene	ND	7.1	bis(2-Ethylhexyl)phthalate	ND	7.1
2,4,6-Trichlorophenol	ND	7.1	Di-n-octylphthalate	ND	7.1
2,4,5-Trichlorophenol	ND	7.1	Benzo(b)fluoranthene	ND	7.1
2-Chloronaphthalene	ND	7.1	Benzo(k)fluoranthene	ND	7.1
2-Nitroaniline	ND	36	Benzo(a)pyrene	ND	7.1
Dimethylphthalate	ND	7.1	Indeno(1,2,3-cd)pyrene	ND	7.1
Acenaphthylene	ND	7.1	Dibenzo(a,h)anthracene	ND	7.1
			Benzo(g,h,i)perylene	ND	7.1

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 392-6684

Work Order: B0-04-168

TEST NAME: ABW HSL GC/MS EXTRACTABLES

SAMPLE ID: E-TP-31

SAMPLE DATE: 04/09/90

EXTRACTION DATE: 04/18/90

ANALYSIS DATE: 05/02/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	1.9	2,6-Dinitrotoluene	ND	1.9	
Diis(2-Chloroethyl)ether	ND	1.9	3-Nitroaniline	ND	9.5	
2-Chlorophenol	ND	1.9	Acenaphthene	ND	1.9	
1,3-Dichlorobenzene	ND	1.9	2,4-Dinitrophenol	ND	9.5	
1,4-Dichlorobenzene	ND	1.9	4-Nitrophenol	ND	9.5	
Benzyl alcohol	ND	3.8	Dibenzofuran	ND	1.9	
1,2-Dichlorobenzene	ND	1.9	2,4-Dinitrotoluene	ND	1.9	
2-Methylphenol	ND	1.9	Diethylphthalate	ND	1.9	
Diis(2-Chloroisopropyl)ether	ND	1.9	4-Chlorophenyl-phenylether	ND	1.9	
4-Methylphenol	ND	1.9	Fluorene	ND	1.9	
N-Nitroso-di-n-propylamine	ND	1.9	4-Nitroaniline	ND	9.5	
Hexachloroethane	ND	1.9	4,6-Dinitro-2-methylphenol	ND	9.5	
Nitrobenzene	ND	1.9	N-Nitrosodiphenylamine	ND	1.9	
Isophorone	ND	1.9	4-Bromophenyl-phenylether	ND	1.9	
2-Nitrophenol	ND	1.9	Hexachlorobenzene	ND	1.9	
1,4-Dimethylphenol	2.6	1.9	Pentachlorophenol	ND	9.5	
Benzoic Acid	ND	9.5	Phenanthrene	ND	1.9	
Diis(2-Chloroethoxy)methane	ND	1.9	Anthracene	ND	1.9	
1,4-Dichlorophenol	ND	1.9	Di-n-butylphthalate	ND	1.9	
1,2,4-Trichlorobenzene	ND	1.9	Fluoranthene	ND	1.9	
Naphthalene	3.1	1.9	Pyrene	ND	1.9	
2-Chloroaniline	ND	3.8	Butylbenzylphthalate	ND	1.9	
Hexachlorobutadiene	ND	1.9	3,3'-Dichlorobenzidine	ND	3.8	
4-Chloro-3-methylphenol	ND	3.8	Benzo(a)anthracene	ND	1.9	
2-Methylnaphthalene	9.1	1.9	Chrysene	ND	1.9	
Hexachlorocyclopentadiene	ND	1.9	bis(2-Ethylhexyl)phthalate	ND	1.9	
2,4,6-Trichlorophenol	ND	1.9	Di-n-octylphthalate	ND	1.9	
1,4,5-Trichlorophenol	ND	1.9	Benzo(b)fluoranthene	ND	1.9	
2-Chloronaphthalene	ND	1.9	Benzo(k)fluoranthene	ND	1.9	
2-Nitroaniline	ND	9.5	Benzo(a)pyrene	ND	1.9	
Dimethylphthalate	ND	1.9	Indeno(1,2,3-cd)pyrene	ND	1.9	
Acenaphthylene	ND	1.9	Dibenzo(a,h)anthracene	ND	1.9	
			Benzo(g,h,i)perylene	ND	1.9	

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-196

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: F-TP-39

SAMPLE DATE: 04/08/90

EXTRACTION DATE: 04/20/90

ANALYSIS DATE: 05/07/90

	Results in		mg/kg:		Detection	
	Limit				Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10	
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50	
2-Chlorophenol	ND	10	Acenaphthene	ND	10	
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50	
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50	
Benzyl alcohol	ND	20	Dibenzofuran	ND	10	
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10	
2-Methylphenol	ND	10	Diethylphthalate	ND	10	
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10	
4-Methylphenol	ND	10	Fluorene	ND	10	
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50	
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50	
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10	
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10	
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10	
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50	
Benzoic Acid	ND	50	Phenanthrene	ND	10	
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10	
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10	
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10	
Naphthalene	12	10	Pyrene	ND	10	
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10	
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20	
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10	
2-Methylnaphthalene	89	10	Chrysene	ND	10	
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10	
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10	
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10	
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10	
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10	
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10	
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10	
			Benzo(g,h,i)perylene	ND	10	

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-196

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: F-TP-40

SAMPLE DATE: 04/08/90

EXTRACTION DATE: 04/20/90

ANALYSIS DATE: 05/07/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	3.3	2,6-Dinitrotoluene	ND	3.3	
Bis(2-Chloroethyl)ether	ND	3.3	3-Nitroaniline	ND	17	
2-Chlorophenol	ND	3.3	Acenaphthene	ND	3.3	
1,3-Dichlorobenzene	ND	3.3	2,4-Dinitrophenol	ND	17	
1,4-Dichlorobenzene	ND	3.3	4-Nitrophenol	ND	17	
Benzyl alcohol	ND	6.6	Dibenzofuran	ND	3.3	
1,2-Dichlorobenzene	ND	3.3	2,4-Dinitrotoluene	ND	3.3	
2-Methylphenol	ND	3.3	Diethylphthalate	ND	3.3	
Bis(2-Chloroisopropyl)ether	ND	3.3	4-Chlorophenyl-phenylether	ND	3.3	
4-Methylphenol	ND	3.3	Fluorene	ND	3.3	
N-Nitroso-di-n-propylamine	ND	3.3	4-Nitroaniline	ND	17	
Hexachloroethane	ND	3.3	4,6-Dinitro-2-methylphenol	ND	17	
Nitrobenzene	ND	3.3	N-Nitrosodiphenylamine	ND	3.3	
Isophorone	ND	3.3	4-Bromophenyl-phenylether	ND	3.3	
2-Nitrophenol	ND	3.3	Hexachlorobenzene	ND	3.3	
1,4-Dimethylphenol	ND	3.3	Pentachlorophenol	ND	17	
Benzoic Acid	ND	17	Phenanthrene	ND	3.3	
Bis(2-Chloroethoxy)methane	ND	3.3	Anthracene	ND	3.3	
1,4-Dichlorophenol	ND	3.3	Di-n-butylphthalate	ND	3.3	
1,2,4-Trichlorobenzene	ND	3.3	Fluoranthene	ND	3.3	
Naphthalene	14	3.3	Pyrene	ND	3.3	
2-Chloroaniline	ND	6.6	Butylbenzylphthalate	ND	3.3	
Hexachlorobutadiene	ND	3.3	3,3'-Dichlorobenzidine	ND	6.6	
4-Chloro-3-methylphenol	ND	6.6	Benzo(a)anthracene	ND	3.3	
2-Methylnaphthalene	47	3.3	Chrysene	ND	3.3	
Hexachlorocyclopentadiene	ND	3.3	bis(2-Ethylhexyl)phthalate	ND	3.3	
2,4,6-Trichlorophenol	ND	3.3	Di-n-octylphthalate	ND	3.3	
2,4,5-Trichlorophenol	ND	3.3	Benzo(b)fluoranthene	ND	3.3	
2-Chloronaphthalene	ND	3.3	Benzo(k)fluoranthene	ND	3.3	
2-Nitroaniline	ND	17	Benzo(a)pyrene	ND	3.3	
Dimethylphthalate	ND	3.3	Indeno(1,2,3-cd)pyrene	ND	3.3	
Acenaphthylene	ND	3.3	Dibenzo(a,h)anthracene	ND	3.3	
			Benzo(g,h,i)perylene	ND	3.3	

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: F-TP-48

SAMPLE DATE: 04/08/90

EXTRACTION DATE: 04/20/90

ANALYSIS DATE: 05/07/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10	
1,2-Bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50	
1-Chlorophenol	ND	10	Acenaphthene	ND	10	
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50	
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50	
Benzyl alcohol	ND	20	Dibenzofuran	ND	10	
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10	
1-Methylphenol	ND	10	Diethylphthalate	ND	10	
1,2-Bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10	
4-Methylphenol	ND	10	Fluorene	ND	10	
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50	
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50	
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10	
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10	
4-Nitrophenol	ND	10	Hexachlorobenzene	ND	10	
1,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50	
Benzoic Acid	ND	50	Phenanthrene	17	10	
1,2-Bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10	
1,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10	
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10	
Naphthalene	12	10	Pyrene	ND	10	
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10	
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20	
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10	
1-Methylnaphthalene	22	10	Chrysene	ND	10	
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10	
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10	
1,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10	
1-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10	
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10	
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10	
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10	
			Benzo(g,h,i)perylene	ND	10	

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-196

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: F-TP-50

SAMPLE DATE: 04/09/90

EXTRACTION DATE: 04/20/90

ANALYSIS DATE: 05/07/90

	Results in		mg/kg:	Detection	
	Detection			Limit	
	Limit			Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10
bis(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50
2-Chlorophenol	ND	10	Acenaphthene	ND	10
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50
1,4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50
Benzyl alcohol	ND	20	Dibenzofuran	ND	10
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10
2-Methylphenol	ND	10	Diethylphthalate	ND	10
bis(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10
4-Methylphenol	ND	10	Fluorene	ND	10
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10
2-Nitrophenol	ND	10	Hexachlorobenzene	ND	10
2,4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50
Benzoic Acid	ND	50	Phenanthrene	ND	10
bis(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10
2,4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10
Naphthalene	ND	10	Pyrene	ND	10
4-Chloroaniline	ND	20	Butylbenzylphthalate	ND	10
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10
2-Methylnaphthalene	47	10	Chrysene	ND	10
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10
2,4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10
2-Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10
Acenaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10
			Benzo(g,h,i)perylene	ND	10

Company: EDER ASSOCIATES

Date: 05/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: D-TP-51

SAMPLE DATE: 04/09/90

EXTRACTION DATE: 04/20/90

ANALYSIS DATE: 05/08/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	10	2,6-Dinitrotoluene	ND	10	
s(2-Chloroethyl)ether	ND	10	3-Nitroaniline	ND	50	
2-Chlorophenol	ND	10	Acenaphthene	ND	10	
1,3-Dichlorobenzene	ND	10	2,4-Dinitrophenol	ND	50	
4-Dichlorobenzene	ND	10	4-Nitrophenol	ND	50	
Benzyl alcohol	ND	20	Dibenzofuran	ND	10	
1,2-Dichlorobenzene	ND	10	2,4-Dinitrotoluene	ND	10	
4-Methylphenol	ND	10	Diethylphthalate	ND	10	
s(2-Chloroisopropyl)ether	ND	10	4-Chlorophenyl-phenylether	ND	10	
4-Methylphenol	ND	10	Fluorene	ND	10	
N-Nitroso-di-n-propylamine	ND	10	4-Nitroaniline	ND	50	
Hexachloroethane	ND	10	4,6-Dinitro-2-methylphenol	ND	50	
Nitrobenzene	ND	10	N-Nitrosodiphenylamine	ND	10	
Isophorone	ND	10	4-Bromophenyl-phenylether	ND	10	
4-Nitrophenol	ND	10	Hexachlorobenzene	ND	10	
4-Dimethylphenol	ND	10	Pentachlorophenol	ND	50	
Benzoic Acid	ND	50	Phenanthrene	ND	10	
s(2-Chloroethoxy)methane	ND	10	Anthracene	ND	10	
4-Dichlorophenol	ND	10	Di-n-butylphthalate	ND	10	
1,2,4-Trichlorobenzene	ND	10	Fluoranthene	ND	10	
Naphthalene	26	10	Pyrene	ND	10	
Chloroaniline	ND	20	Butylbenzylphthalate	ND	10	
Hexachlorobutadiene	ND	10	3,3'-Dichlorobenzidine	ND	20	
4-Chloro-3-methylphenol	ND	20	Benzo(a)anthracene	ND	10	
Methylnaphthalene	75	10	Chrysene	ND	10	
Hexachlorocyclopentadiene	ND	10	bis(2-Ethylhexyl)phthalate	ND	10	
2,4,6-Trichlorophenol	ND	10	Di-n-octylphthalate	ND	10	
4,5-Trichlorophenol	ND	10	Benzo(b)fluoranthene	ND	10	
Chloronaphthalene	ND	10	Benzo(k)fluoranthene	ND	10	
2-Nitroaniline	ND	50	Benzo(a)pyrene	ND	10	
Dimethylphthalate	ND	10	Indeno(1,2,3-cd)pyrene	ND	10	
Benaphthylene	ND	10	Dibenzo(a,h)anthracene	ND	10	
			Benzo(g,h,i)perylene	ND	10	

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-234

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: F-TP-58

SAMPLE DATE: 04/10/90

EXTRACTION DATE: 04/24/90

ANALYSIS DATE: 05/10/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	4.5	2,6-Dinitrotoluene	ND	4.5	
bis(2-Chloroethyl)ether	ND	4.5	3-Nitroaniline	ND	23	
2-Chlorophenol	ND	4.5	Acenaphthene	ND	4.5	
1,3-Dichlorobenzene	ND	4.5	2,4-Dinitrophenol	ND	23	
1,4-Dichlorobenzene	ND	4.5	4-Nitrophenol	ND	23	
Benzyl alcohol	ND	9.0	Dibenzofuran	ND	4.5	
1,2-Dichlorobenzene	ND	4.5	2,4-Dinitrotoluene	ND	4.5	
2-Methylphenol	ND	4.5	Diethylphthalate	ND	4.5	
bis(2-Chloroisopropyl)ether	ND	4.5	4-Chlorophenyl-phenylether	ND	4.5	
4-Methylphenol	ND	4.5	Fluorene	ND	4.5	
N-Nitroso-di-n-propylamine	ND	4.5	4-Nitroaniline	ND	23	
Hexachloroethane	ND	4.5	4,6-Dinitro-2-methylphenol	ND	23	
Nitrobenzene	ND	4.5	N-Nitrosodiphenylamine	ND	4.5	
Isophorone	ND	4.5	4-Bromophenyl-phenylether	ND	4.5	
2-Nitrophenol	ND	4.5	Hexachlorobenzene	ND	4.5	
2,4-Dimethylphenol	ND	4.5	Pentachlorophenol	ND	23	
Benzoic Acid	ND	23	Phenanthrene	4.7	4.5	
bis(2-Chloroethoxy)methane	ND	4.5	Anthracene	ND	4.5	
2,4-Dichlorophenol	ND	4.5	Di-n-butylphthalate	ND	4.5	
1,2,4-Trichlorobenzene	ND	4.5	Fluoranthene	ND	4.5	
Naphthalene	9.2	4.5	Pyrene	ND	4.5	
4-Chloroaniline	ND	9.0	Butylbenzylphthalate	ND	4.5	
Hexachlorobutadiene	ND	4.5	3,3'-Dichlorobenzidine	ND	9.0	
4-Chloro-3-methylphenol	ND	9.0	Benzo(a)anthracene	ND	4.5	
2-Methylnaphthalene	13	4.5	Chrysene	ND	4.5	
Hexachlorocyclopentadiene	ND	4.5	bis(2-Ethylhexyl)phthalate	ND	4.5	
2,4,6-Trichlorophenol	ND	4.5	Di-n-octylphthalate	ND	4.5	
2,4,5-Trichlorophenol	ND	4.5	Benzo(b)fluoranthene	ND	4.5	
2-Chloronaphthalene	ND	4.5	Benzo(k)fluoranthene	ND	4.5	
2-Nitroaniline	ND	23	Benzo(a)pyrene	ND	4.5	
Dimethylphthalate	ND	4.5	Indeno(1,2,3-cd)pyrene	ND	4.5	
Acenaphthylene	ND	4.5	Dibenzo(a,h)anthracene	ND	4.5	
			Benzo(g,h,i)perylene	ND	4.5	

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-234

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: G-TP-66

SAMPLE DATE: 04/10/90

EXTRACTION DATE: 04/24/90

ANALYSIS DATE: 05/11/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	4.1	2,6-Dinitrotoluene	ND	4.1	
bis(2-Chloroethyl)ether	ND	4.1	3-Nitroaniline	ND	21	
2-Chlorophenol	ND	4.1	Acenaphthene	ND	4.1	
1,3-Dichlorobenzene	ND	4.1	2,4-Dinitrophenol	ND	21	
1,4-Dichlorobenzene	ND	4.1	4-Nitrophenol	ND	21	
Benzyl alcohol	ND	8.2	Dibenzofuran	ND	4.1	
1,2-Dichlorobenzene	ND	4.1	2,4-Dinitrotoluene	ND	4.1	
2-Methylphenol	ND	4.1	Diethylphthalate	ND	4.1	
bis(2-Chloroisopropyl)ether	ND	4.1	4-Chlorophenyl-phenylether	ND	4.1	
4-Methylphenol	ND	4.1	Fluorene	6.0	4.1	
N-Nitroso-di-n-propylamine	ND	4.1	4-Nitroaniline	ND	21	
Hexachloroethane	ND	4.1	4,6-Dinitro-2-methylphenol	ND	21	
Nitrobenzene	ND	4.1	N-Nitrosodiphenylamine	ND	4.1	
Isophorone	ND	4.1	4-Bromophenyl-phenylether	ND	4.1	
2-Nitrophenol	ND	4.1	Hexachlorobenzene	ND	4.1	
2,4-Dimethylphenol	ND	4.1	Pentachlorophenol	ND	21	
Benzoic Acid	ND	21	Phenanthrene	10	4.1	
bis(2-Chloroethoxy)methane	ND	4.1	Anthracene	ND	4.1	
2,4-Dichlorophenol	ND	4.1	Di-n-butylphthalate	ND	4.1	
1,2,4-Trichlorobenzene	ND	4.1	Fluoranthene	ND	4.1	
Naphthalene	15	4.1	Pyrene	5.2	4.1	
4-Chloroaniline	ND	8.2	Butylbenzylphthalate	ND	4.1	
Hexachlorobutadiene	ND	4.1	3,3'-Dichlorobenzidine	ND	8.2	
4-Chloro-3-methylphenol	ND	8.2	Benzo(a)anthracene	ND	4.1	
2-Methylnaphthalene	40	4.1	Chrysene	ND	4.1	
Hexachlorocyclopentadiene	ND	4.1	bis(2-Ethylhexyl)phthalate	ND	4.1	
2,4,6-Trichlorophenol	ND	4.1	Di-n-octylphthalate	ND	4.1	
2,4,5-Trichlorophenol	ND	4.1	Benzo(b)fluoranthene	ND	4.1	
2-Chloronaphthalene	ND	4.1	Benzo(k)fluoranthene	ND	4.1	
2-Nitroaniline	ND	21	Benzo(a)pyrene	ND	4.1	
Dimethylphthalate	ND	4.1	Indeno(1,2,3-cd)pyrene	ND	4.1	
Acenaphthylene	ND	4.1	Dibenzo(a,h)anthracene	ND	4.1	
			Benzo(g,h,i)perylene	ND	4.1	

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-234

TEST NAME: ABM HSL GC/MS EXTRACTABLES

SAMPLE ID: G-TP-68

SAMPLE DATE: 04/10/90

EXTRACTION DATE: 04/24/90

ANALYSIS DATE: 05/11/90

Results in mg/kg:
Detection
Limit

Detection
Limit

Phenol	ND	3.9	2,6-Dinitrotoluene	ND	3.9
bis(2-Chloroethyl)ether	ND	3.9	3-Nitroaniline	ND	20
2-Chlorophenol	ND	3.9	Acenaphthene	ND	3.9
1,3-Dichlorobenzene	ND	3.9	2,4-Dinitrophenol	ND	20
1,4-Dichlorobenzene	ND	3.9	4-Nitrophenol	ND	20
Benzyl alcohol	ND	7.8	Dibenzofuran	ND	3.9
1,2-Dichlorobenzene	ND	3.9	2,4-Dinitrotoluene	ND	3.9
2-Methylphenol	ND	3.9	Diethylphthalate	ND	3.9
bis(2-Chloroisopropyl)ether	ND	3.9	4-Chlorophenyl-phenylether	ND	3.9
4-Methylphenol	ND	3.9	Fluorene	ND	3.9
N-Nitroso-di-n-propylamine	ND	3.9	4-Nitroaniline	ND	20
Hexachloroethane	ND	3.9	4,6-Dinitro-2-methylphenol	ND	20
Nitrobenzene	ND	3.9	N-Nitrosodiphenylamine	ND	3.9
Isophorone	ND	3.9	4-Bromophenyl-phenylether	ND	3.9
2-Nitrophenol	ND	3.9	Hexachlorobenzene	ND	3.9
2,4-Dimethylphenol	ND	3.9	Pentachlorophenol	ND	20
Benzoic Acid	ND	20	Phenanthrene	10	3.9
bis(2-Chloroethoxy)methane	ND	3.9	Anthracene	ND	3.9
2,4-Dichlorophenol	ND	3.9	Di-n-butylphthalate	ND	3.9
1,2,4-Trichlorobenzene	ND	3.9	Fluoranthene	ND	3.9
Naphthalene	4.0	3.9	Pyrene	6.4	3.9
4-Chloroaniline	ND	7.8	Butylbenzylphthalate	ND	3.9
Hexachlorobutadiene	ND	3.9	3,3'-Dichlorobenzidine	ND	7.8
4-Chloro-3-methylphenol	ND	7.8	Benzo(a)anthracene	ND	3.9
2-Methylnaphthalene	14	3.9	Chrysene	ND	3.9
Hexachlorocyclopentadiene	ND	3.9	bis(2-Ethylhexyl)phthalate	ND	3.9
2,4,6-Trichlorophenol	ND	3.9	Di-n-octylphthalate	ND	3.9
2,4,5-Trichlorophenol	ND	3.9	Benzo(b)fluoranthene	ND	3.9
2-Chloronaphthalene	ND	3.9	Benzo(k)fluoranthene	ND	3.9
2-Nitroaniline	ND	20	Benzo(a)pyrene	ND	3.9
Dimethylphthalate	ND	3.9	Indeno(1,2,3-cd)pyrene	ND	3.9
Acenaphthylene	ND	3.9	Dibenzo(a,h)anthracene	ND	3.9
			Benzo(g,h,i)perylene	ND	3.9

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-234

TEST NAME: ARM HSL GC/MS EXTRACTABLES

SAMPLE ID: G-TP-68-1

SAMPLE DATE: 04/10/90

EXTRACTION DATE: 04/24/90

ANALYSIS DATE: 05/14/90

		Results in		mg/kg:	
		Detection		Detection	
		Limit		Limit	
Phenol	ND	4.5	2,6-Dinitrotoluene	ND	4.5
bis(2-Chloroethyl)ether	ND	4.5	3-Nitroaniline	ND	23
2-Chlorophenol	ND	4.5	Acenaphthene	ND	4.5
1,3-Dichlorobenzene	ND	4.5	2,4-Dinitrophenol	ND	23
1,4-Dichlorobenzene	ND	4.5	4-Nitrophenol	ND	23
Benzyl alcohol	ND	9.0	Dibenzofuran	4.9	4.5
1,2-Dichlorobenzene	ND	4.5	2,4-Dinitrotoluene	ND	4.5
2-Methylphenol	ND	4.5	Diethylphthalate	ND	4.5
bis(2-Chloroisopropyl)ether	ND	4.5	4-Chlorophenyl-phenylether	ND	4.5
4-Methylphenol	ND	4.5	Fluorene	4.5	4.5
N-Nitroso-di-n-propylamine	ND	4.5	4-Nitroaniline	ND	23
Hexachloroethane	ND	4.5	4,6-Dinitro-2-methylphenol	ND	23
Nitrobenzene	ND	4.5	N-Nitrosodiphenylamine	ND	4.5
Isophorone	ND	4.5	4-Bromophenyl-phenylether	ND	4.5
2-Nitrophenol	ND	4.5	Hexachlorobenzene	ND	4.5
2,4-Dimethylphenol	ND	4.5	Pentachlorophenol	ND	23
Benzoic Acid	ND	23	Phenanthrene	8.0	4.5
bis(2-Chloroethoxy)methane	ND	4.5	Anthracene	ND	4.5
2,4-Dichlorophenol	ND	4.5	Di-n-butylphthalate	ND	4.5
1,2,4-Trichlorobenzene	ND	4.5	Fluoranthene	ND	4.5
Naphthalene	12	4.5	Pyrene	ND	4.5
4-Chloroaniline	ND	9.0	Butylbenzylphthalate	ND	4.5
Hexachlorobutadiene	ND	4.5	3,3'-Dichlorobenzidine	ND	9.0
4-Chloro-3-methylphenol	ND	9.0	Benzo(a)anthracene	ND	4.5
2-Methylnaphthalene	41	4.5	Chrysene	ND	4.5
Hexachlorocyclopentadiene	ND	4.5	bis(2-Ethylhexyl)phthalate	ND	4.5
2,4,6-Trichlorophenol	ND	4.5	Di-n-octylphthalate	ND	4.5
2,4,5-Trichlorophenol	ND	4.5	Benzo(b)fluoranthene	ND	4.5
2-Chloronaphthalene	ND	4.5	Benzo(k)fluoranthene	ND	4.5
2-Nitroaniline	ND	23	Benzo(a)pyrene	ND	4.5
Dimethylphthalate	ND	4.5	Indeno(1,2,3-cd)pyrene	ND	4.5
Acenaphthylene	ND	4.5	Dibenzo(a,h)anthracene	ND	4.5
			Benzo(g,h,i)perylene	ND	4.5

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-234

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: G-TP-80

SAMPLE DATE: 04/10/90

EXTRACTION DATE: 04/24/90

ANALYSIS DATE: 05/10/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	21	2,6-Dinitrotoluene	ND	21	
Bis(2-Chloroethyl)ether	ND	21	3-Nitroaniline	ND	110	
2-Chlorophenol	ND	21	Acenaphthene	ND	21	
1,3-Dichlorobenzene	ND	21	2,4-Dinitrophenol	ND	110	
1,4-Dichlorobenzene	ND	21	4-Nitrophenol	ND	110	
Benzyl alcohol	ND	42	Dibenzofuran	ND	21	
1,2-Dichlorobenzene	ND	21	2,4-Dinitrotoluene	ND	21	
2-Methylphenol	ND	21	Diethylphthalate	ND	21	
Bis(2-Chloroisopropyl)ether	ND	21	4-Chlorophenyl-phenylether	ND	21	
4-Methylphenol	ND	21	Fluorene	ND	21	
N-Nitroso-di-n-propylamine	ND	21	4-Nitroaniline	ND	110	
Hexachloroethane	ND	21	4,6-Dinitro-2-methylphenol	ND	110	
Nitrobenzene	ND	21	N-Nitrosodiphenylamine	ND	21	
Isophorone	ND	21	4-Bromophenyl-phenylether	ND	21	
2-Nitrophenol	ND	21	Hexachlorobenzene	ND	21	
2,4-Dimethylphenol	ND	21	Pentachlorophenol	ND	110	
Benzoic Acid	ND	110	Phenanthrene	ND	21	
Bis(2-Chloroethoxy)methane	ND	21	Anthracene	ND	21	
2,4-Dichlorophenol	ND	21	Di-n-butylphthalate	ND	21	
1,2,4-Trichlorobenzene	ND	21	Fluoranthene	ND	21	
Naphthalene	ND	21	Pyrene	ND	21	
3-Chloroaniline	ND	42	Butylbenzylphthalate	ND	21	
Hexachlorobutadiene	ND	21	3,3'-Dichlorobenzidine	ND	42	
4-Chloro-3-methylphenol	ND	42	Benzo(a)anthracene	ND	21	
2-Methylnaphthalene	ND	21	Chrysene	ND	21	
Hexachlorocyclopentadiene	ND	21	bis(2-Ethylhexyl)phthalate	ND	21	
2,4,6-Trichlorophenol	ND	21	Di-n-octylphthalate	ND	21	
2,4,5-Trichlorophenol	ND	21	Benzo(b)fluoranthene	ND	21	
2-Chloronaphthalene	ND	21	Benzo(k)fluoranthene	ND	21	
2-Nitroaniline	ND	110	Benzo(a)pyrene	ND	21	
Dimethylphthalate	ND	21	Indeno(1,2,3-cd)pyrene	ND	21	
Acenaphthylene	ND	21	Dibenzo(a,h)anthracene	ND	21	
			Benzo(g,h,i)perylene	ND	21	

Company: EDER ASSOCIATES

Date: 08/15/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: BO-04-234

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: H-TP-81

SAMPLE DATE: 04/10/90

EXTRACTION DATE: 04/24/90

ANALYSIS DATE: 05/10/90

		Results in		mg/kg:	
		Detection		Detection	
		Limit		Limit	
Phenol	ND	64	2,6-Dinitrotoluene	ND	64
bis(2-Chloroethyl)ether	ND	64	3-Nitroaniline	ND	320
2-Chlorophenol	ND	64	Acenaphthene	ND	64
1,3-Dichlorobenzene	ND	64	2,4-Dinitrophenol	ND	320
1,4-Dichlorobenzene	ND	64	4-Nitrophenol	ND	320
Benzyl alcohol	ND	130	Dibenzofuran	ND	64
1,2-Dichlorobenzene	ND	64	2,4-Dinitrotoluene	ND	64
2-Methylphenol	ND	64	Diethylphthalate	ND	64
bis(2-Chloroisopropyl)ether	ND	64	4-Chlorophenyl-phenylether	ND	64
4-Methylphenol	ND	64	Fluorene	ND	64
N-Nitroso-di-n-propylamine	ND	64	4-Nitroaniline	ND	320
Hexachloroethane	ND	64	4,6-Dinitro-2-methylphenol	ND	320
Nitrobenzene	ND	64	N-Nitrosodiphenylamine	ND	64
Isophorone	ND	64	4-Bromophenyl-phenylether	ND	64
2-Nitrophenol	ND	64	Hexachlorobenzene	ND	64
2,4-Dimethylphenol	ND	64	Pentachlorophenol	ND	320
Benzoic Acid	ND	320	Phenanthrene	ND	64
bis(2-Chloroethoxy)methane	ND	64	Anthracene	ND	64
2,4-Dichlorophenol	ND	64	Di-n-butylphthalate	ND	64
1,2,4-Trichlorobenzene	ND	64	Fluoranthene	ND	64
Naphthalene	ND	64	Pyrene	ND	64
4-Chloroaniline	ND	130	Butylbenzylphthalate	ND	64
Hexachlorobutadiene	ND	64	3,3'-Dichlorobenzidine	ND	130
4-Chloro-3-methylphenol	ND	130	Benzo(a)anthracene	ND	64
2-Methylnaphthalene	79	64	Chrysene	ND	64
Hexachlorocyclopentadiene	ND	64	bis(2-Ethylhexyl)phthalate	ND	64
2,4,6-Trichlorophenol	ND	64	Di-n-octylphthalate	ND	64
2,4,5-Trichlorophenol	ND	64	Benzo(b)fluoranthene	ND	64
2-Chloronaphthalene	ND	64	Benzo(k)fluoranthene	ND	64
2-Nitroaniline	ND	320	Benzo(a)pyrene	ND	64
Dimethylphthalate	ND	64	Indeno(1,2,3-cd)pyrene	ND	64
Acenaphthylene	ND	64	Dibenzo(a,h)anthracene	ND	64
			Benzo(g,h,i)perylene	ND	64

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-108

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: CUL-1-1

SAMPLE DATE: 04/06/90

EXTRACTION DATE: 04/18/90

ANALYSIS DATE: 04/25/90

Results in mg/kg:
Detection
Limit

Detection
Limit

Phenol	ND	0.42	2,6-Dinitrotoluene	ND	0.42
bis(2-Chloroethyl)ether	ND	0.42	3-Nitroaniline	ND	2.1
2-Chlorophenol	ND	0.42	Acenaphthene	ND	0.42
1,3-Dichlorobenzene	ND	0.42	2,4-Dinitrophenol	ND	2.1
1,4-Dichlorobenzene	ND	0.42	4-Nitrophenol	ND	2.1
Benzyl alcohol	ND	0.84	Dibenzofuran	ND	0.42
1,2-Dichlorobenzene	ND	0.42	2,4-Dinitrotoluene	ND	0.42
2-Methylphenol	ND	0.42	Diethylphthalate	ND	0.42
bis(2-Chloroisopropyl)ether	ND	0.42	4-Chlorophenyl-phenylether	ND	0.42
4-Methylphenol	ND	0.42	Fluorene	ND	0.42
N-Nitroso-di-n-propylamine	ND	0.42	4-Nitroaniline	ND	2.1
Hexachloroethane	ND	0.42	4,6-Dinitro-2-methylphenol	ND	2.1
Nitrobenzene	ND	0.42	N-Nitrosodiphenylamine	ND	0.42
Isophorone	ND	0.42	4-Bromophenyl-phenylether	ND	0.42
2-Nitrophenol	ND	0.42	Hexachlorobenzene	ND	0.42
2,4-Dimethylphenol	ND	0.42	Pentachlorophenol	ND	2.1
Benzoic Acid	ND	2.1	Phenanthrene	ND	0.42
bis(2-Chloroethoxy)methane	ND	0.42	Anthracene	ND	0.42
2,4-Dichlorophenol	ND	0.42	Di-n-butylphthalate	ND	0.42
1,2,4-Trichlorobenzene	ND	0.42	Fluoranthene	ND	0.42
Naphthalene	ND	0.42	Pyrene	ND	0.42
4-Chloroaniline	ND	0.84	Butylbenzylphthalate	1.1	0.42
Hexachlorobutadiene	ND	0.42	3,3'-Dichlorobenzidine	ND	0.84
4-Chloro-3-methylphenol	ND	0.84	Benzo(a)anthracene	ND	0.42
2-Methylnaphthalene	ND	0.42	Chrysene	ND	0.42
Hexachlorocyclopentadiene	ND	0.42	bis(2-Ethylhexyl)phthalate	ND	0.42
2,4,6-Trichlorophenol	ND	0.42	Di-n-octylphthalate	ND	0.42
2,4,5-Trichlorophenol	ND	0.42	Benzo(b)fluoranthene	ND	0.42
2-Chloronaphthalene	ND	0.42	Benzo(k)fluoranthene	ND	0.42
2-Nitroaniline	ND	2.1	Benzo(a)pyrene	ND	0.42
Dimethylphthalate	ND	0.42	Indeno(1,2,3-cd)pyrene	ND	0.42
Acenaphthylene	ND	0.42	Dibenzo(a,h)anthracene	ND	0.42
			Benzo(g,h,i)perylene	ND	0.42

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REIENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-108

TEST NAME: ABW HSL GC/MS EXTRACTABLES

SAMPLE ID: CUL-1-2

SAMPLE DATE: 04/06/90

EXTRACTION DATE: 04/18/90

ANALYSIS DATE: 04/25/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	2.2	2,6-Dinitrotoluene	ND	2.2	
bis(2-Chloroethyl)ether	ND	2.2	3-Nitroaniline	ND	11	
2-Chlorophenol	ND	2.2	Acenaphthene	ND	2.2	
1,3-Dichlorobenzene	ND	2.2	2,4-Dinitrophenol	ND	11	
1,4-Dichlorobenzene	ND	2.2	4-Nitrophenol	ND	11	
Benzyl alcohol	ND	4.4	Dibenzofuran	ND	2.2	
1,2-Dichlorobenzene	ND	2.2	2,4-Dinitrotoluene	ND	2.2	
2-Methylphenol	ND	2.2	Diethylphthalate	ND	2.2	
bis(2-Chloroisopropyl)ether	ND	2.2	4-Chlorophenyl-phenylether	ND	2.2	
4-Methylphenol	ND	2.2	Fluorene	ND	2.2	
N-Nitroso-di-n-propylamine	ND	2.2	4-Nitroaniline	ND	11	
Hexachloroethane	ND	2.2	4,6-Dinitro-2-methylphenol	ND	11	
Nitrobenzene	ND	2.2	N-Nitrosodiphenylamine	ND	2.2	
Isophorone	ND	2.2	4-Bromophenyl-phenylether	ND	2.2	
2-Nitrophenol	ND	2.2	Hexachlorobenzene	ND	2.2	
2,4-Dimethylphenol	ND	2.2	Pentachlorophenol	ND	11	
Benzoic Acid	ND	11	Phenanthrene	ND	2.2	
bis(2-Chloroethoxy)methane	ND	2.2	Anthracene	ND	2.2	
2,4-Dichlorophenol	ND	2.2	Di-n-butylphthalate	ND	2.2	
1,2,4-Trichlorobenzene	ND	2.2	Fluoranthene	ND	2.2	
Naphthalene	ND	2.2	Pyrene	ND	2.2	
4-Chloroaniline	ND	4.4	Butylbenzylphthalate	ND	2.2	
Hexachlorobutadiene	ND	2.2	3,3'-Dichlorobenzidine	ND	4.4	
4-Chloro-3-methylphenol	ND	4.4	Benzo(a)anthracene	ND	2.2	
2-Methylnaphthalene	ND	2.2	Chrysene	ND	2.2	
Hexachlorocyclopentadiene	ND	2.2	bis(2-Ethylhexyl)phthalate	ND	2.2	
2,4,6-Trichlorophenol	ND	2.2	Di-n-octylphthalate	ND	2.2	
2,4,5-Trichlorophenol	ND	2.2	Benzo(b)fluoranthene	ND	2.2	
2-Chloronaphthalene	ND	2.2	Benzo(k)fluoranthene	ND	2.2	
2-Nitroaniline	ND	11	Benzo(a)pyrene	ND	2.2	
Dimethylphthalate	ND	2.2	Indeno(1,2,3-cd)pyrene	ND	2.2	
Acenaphthylene	ND	2.2	Dibenzo(a,h)anthracene	ND	2.2	
			Benzo(g,h,i)perylene	ND	2.2	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-108

TEST NAME: ABM HSL GC/MS EXTRACTABLES

SAMPLE ID: CUL-2-1

SAMPLE DATE: 04/06/90

EXTRACTION DATE: 04/18/90

ANALYSIS DATE: 04/25/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	0.44	2,6-Dinitrotoluene	ND	0.44	
bis(2-Chloroethyl)ether	ND	0.44	3-Nitroaniline	ND	2.2	
2-Chlorophenol	ND	0.44	Acenaphthene	ND	0.44	
1,3-Dichlorobenzene	ND	0.44	2,4-Dinitrophenol	ND	2.2	
1,4-Dichlorobenzene	ND	0.44	4-Nitrophenol	ND	2.2	
Benzyl alcohol	ND	0.88	Dibenzofuran	ND	0.44	
1,2-Dichlorobenzene	ND	0.44	2,4-Dinitrotoluene	ND	0.44	
2-Methylphenol	ND	0.44	Diethylphthalate	ND	0.44	
bis(2-Chloroisopropyl)ether	ND	0.44	4-Chlorophenyl-phenylether	ND	0.44	
4-Methylphenol	ND	0.44	Fluorene	ND	0.44	
N-Nitroso-di-n-propylamine	ND	0.44	4-Nitroaniline	ND	2.2	
Hexachloroethane	ND	0.44	4,6-Dinitro-2-methylphenol	ND	2.2	
Nitrobenzene	ND	0.44	N-Nitrosodiphenylamine	ND	0.44	
Isophorone	ND	0.44	4-Bromophenyl-phenylether	ND	0.44	
2-Nitrophenol	ND	0.44	Hexachlorobenzene	ND	0.44	
2,4-Dimethylphenol	ND	0.44	Pentachlorophenol	ND	2.2	
Benzoic Acid	ND	2.2	Phenanthrene	ND	0.44	
bis(2-Chloroethoxy)methane	ND	0.44	Anthracene	ND	0.44	
2,4-Dichlorophenol	ND	0.44	Di-n-butylphthalate	ND	0.44	
1,2,4-Trichlorobenzene	ND	0.44	Fluoranthene	ND	0.44	
Naphthalene	ND	0.44	Pyrene	ND	0.44	
4-Chloroaniline	ND	0.88	Butylbenzylphthalate	0.77	0.44	
Hexachlorobutadiene	ND	0.44	3,3'-Dichlorobenzidine	ND	0.88	
4-Chloro-3-methylphenol	ND	0.88	Benzo(a)anthracene	ND	0.44	
2-Methylnaphthalene	ND	0.44	Chrysene	ND	0.44	
Hexachlorocyclopentadiene	ND	0.44	bis(2-Ethylhexyl)phthalate	ND	0.44	
2,4,6-Trichlorophenol	ND	0.44	Di-n-octylphthalate	ND	0.44	
2,4,5-Trichlorophenol	ND	0.44	Benzo(b)fluoranthene	ND	0.44	
2-Chloronaphthalene	ND	0.44	Benzo(k)fluoranthene	ND	0.44	
2-Nitroaniline	ND	2.2	Benzo(a)pyrene	ND	0.44	
Dimethylphthalate	ND	0.44	Indeno(1,2,3-cd)pyrene	ND	0.44	
Acenaphthylene	ND	0.44	Dibenzo(a,h)anthracene	ND	0.44	
			Benzo(g,h,i)perylene	ND	0.44	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-108

TEST NAME: ABM HSL GC/MS EXTRACTABLES

SAMPLE ID: CUL-3-1

SAMPLE DATE: 04/06/90

EXTRACTION DATE: 04/18/90

ANALYSIS DATE: 04/25/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	0.45	2,6-Dinitrotoluene	ND	0.45	
bis(2-Chloroethyl)ether	ND	0.45	3-Nitroaniline	ND	2.3	
2-Chlorophenol	ND	0.45	Acenaphthene	ND	0.45	
1,3-Dichlorobenzene	ND	0.45	2,4-Dinitrophenol	ND	2.3	
1,4-Dichlorobenzene	ND	0.45	4-Nitrophenol	ND	2.3	
Benzyl alcohol	ND	0.90	Dibenzofuran	ND	0.45	
1,2-Dichlorobenzene	ND	0.45	2,4-Dinitrotoluene	ND	0.45	
2-Methylphenol	ND	0.45	Diethylphthalate	ND	0.45	
bis(2-Chloroisopropyl)ether	ND	0.45	4-Chlorophenyl-phenylether	ND	0.45	
4-Methylphenol	ND	0.45	Fluorene	ND	0.45	
N-Nitroso-di-n-propylamine	ND	0.45	4-Nitroaniline	ND	2.3	
Hexachloroethane	ND	0.45	4,6-Dinitro-2-methylphenol	ND	2.3	
Nitrobenzene	ND	0.45	N-Nitrosodiphenylamine	ND	0.45	
Isophorone	ND	0.45	4-Bromophenyl-phenylether	ND	0.45	
2-Nitrophenol	ND	0.45	Hexachlorobenzene	ND	0.45	
2,4-Dimethylphenol	ND	0.45	Pentachlorophenol	ND	2.3	
Benzoic Acid	ND	2.3	Phenanthrene	ND	0.45	
bis(2-Chloroethoxy)methane	ND	0.45	Anthracene	ND	0.45	
2,4-Dichlorophenol	ND	0.45	Di-n-butylphthalate	ND	0.45	
1,2,4-Trichlorobenzene	ND	0.45	Fluoranthene	ND	0.45	
Naphthalene	ND	0.45	Pyrene	ND	0.45	
4-Chloroaniline	ND	0.90	Butylbenzylphthalate	0.85	0.45	
Hexachlorobutadiene	ND	0.45	3,3'-Dichlorobenzidine	ND	0.90	
4-Chloro-3-methylphenol	ND	0.90	Benzo(a)anthracene	ND	0.45	
2-Methylnaphthalene	ND	0.45	Chrysene	ND	0.45	
Hexachlorocyclopentadiene	ND	0.45	bis(2-Ethylhexyl)phthalate	ND	0.45	
2,4,6-Trichlorophenol	ND	0.45	Di-n-octylphthalate	ND	0.45	
2,4,5-Trichlorophenol	ND	0.45	Benzo(b)fluoranthene	ND	0.45	
2-Chloronaphthalene	ND	0.45	Benzo(k)fluoranthene	ND	0.45	
2-Nitroaniline	ND	2.3	Benzo(a)pyrene	ND	0.45	
Dimethylphthalate	ND	0.45	Indeno(1,2,3-cd)pyrene	ND	0.45	
Acenaphthylene	ND	0.45	Dibenzo(a,h)anthracene	ND	0.45	
			Benzo(g,h,i)perylene	ND	0.45	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-04-108

TEST NAME: ABW HSL GC/MS EXTRACTABLES

SAMPLE ID: CUL-3-2

SAMPLE DATE: 04/06/90

EXTRACTION DATE: 04/18/90

ANALYSIS DATE: 04/25/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	ND	0.45	2,6-Dinitrotoluene	ND	0.45	
Bis(2-Chloroethyl)ether	ND	0.45	3-Nitroaniline	ND	2.3	
2-Chlorophenol	ND	0.45	Acenaphthene	ND	0.45	
1,3-Dichlorobenzene	ND	0.45	2,4-Dinitrophenol	ND	2.3	
1,4-Dichlorobenzene	ND	0.45	4-Nitrophenol	ND	2.3	
Benzyl alcohol	ND	0.90	Dibenzofuran	ND	0.45	
1,2-Dichlorobenzene	ND	0.45	2,4-Dinitrotoluene	ND	0.45	
2-Methylphenol	ND	0.45	Diethylphthalate	ND	0.45	
Bis(2-Chloroisopropyl)ether	ND	0.45	4-Chlorophenyl-phenylether	ND	0.45	
4-Methylphenol	ND	0.45	Fluorene	ND	0.45	
N-Nitroso-di-n-propylamine	ND	0.45	4-Nitroaniline	ND	2.3	
Hexachloroethane	ND	0.45	4,6-Dinitro-2-methylphenol	ND	2.3	
Nitrobenzene	ND	0.45	N-Nitrosodiphenylamine	ND	0.45	
Isophorone	ND	0.45	4-Bromophenyl-phenylether	ND	0.45	
2-Nitrophenol	ND	0.45	Hexachlorobenzene	ND	0.45	
2,4-Dimethylphenol	ND	0.45	Pentachlorophenol	ND	2.3	
Benzoic Acid	ND	2.3	Phenanthrene	ND	0.45	
Bis(2-Chloroethoxy)methane	ND	0.45	Anthracene	ND	0.45	
2,4-Dichlorophenol	ND	0.45	Di-n-butylphthalate	ND	0.45	
1,2,4-Trichlorobenzene	ND	0.45	Fluoranthene	ND	0.45	
Naphthalene	ND	0.45	Pyrene	ND	0.45	
4-Chloroaniline	ND	0.90	Butylbenzylphthalate	1.3	0.45	
Hexachlorobutadiene	ND	0.45	3,3'-Dichlorobenzidine	ND	0.90	
4-Chloro-3-methylphenol	ND	0.90	Benzo(a)anthracene	ND	0.45	
2-Methylnaphthalene	ND	0.45	Chrysene	ND	0.45	
Hexachlorocyclopentadiene	ND	0.45	bis(2-Ethylhexyl)phthalate	0.73	0.45	
2,4,6-Trichlorophenol	ND	0.45	Di-n-octylphthalate	ND	0.45	
2,4,5-Trichlorophenol	ND	0.45	Benzo(b)fluoranthene	ND	0.45	
2-Chloronaphthalene	ND	0.45	Benzo(k)fluoranthene	ND	0.45	
2-Nitroaniline	ND	2.3	Benzo(a)pyrene	ND	0.45	
Dimethylphthalate	ND	0.45	Indeno(1,2,3-cd)pyrene	ND	0.45	
Acenaphthylene	ND	0.45	Dibenzo(a,h)anthracene	ND	0.45	
			Benzo(g,h,i)perylene	ND	0.45	

Company: EDER ASSOCIATES

Date: 08/14/90

Client Work ID: REXENE/BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-04-108

TEST NAME: ABN HSL GC/MS EXTRACTABLES

SAMPLE ID: CUL-4-1

SAMPLE DATE: 04/06/90

EXTRACTION DATE: 04/18/90

ANALYSIS DATE: 04/25/90

		Results in		mg/kg:	
		Detection		Detection	
		Limit		Limit	
Phenol	ND	2.2	2,6-Dinitrotoluene	ND	2.2
bis(2-Chloroethyl)ether	ND	2.2	3-Nitroaniline	ND	11
2-Chlorophenol	ND	2.2	Acenaphthene	ND	2.2
1,3-Dichlorobenzene	ND	2.2	2,4-Dinitrophenol	ND	11
1,4-Dichlorobenzene	ND	2.2	4-Nitrophenol	ND	11
Benzyl alcohol	ND	4.4	Dibenzofuran	ND	2.2
1,2-Dichlorobenzene	ND	2.2	2,4-Dinitrotoluene	ND	2.2
2-Methylphenol	ND	2.2	Diethylphthalate	ND	2.2
bis(2-Chloroisopropyl)ether	ND	2.2	4-Chlorophenyl-phenylether	ND	2.2
4-Methylphenol	ND	2.2	Fluorene	ND	2.2
N-Nitroso-di-n-propylamine	ND	2.2	4-Nitroaniline	ND	11
Hexachloroethane	ND	2.2	4,6-Dinitro-2-methylphenol	ND	11
Nitrobenzene	ND	2.2	N-Nitrosodiphenylamine	ND	2.2
Isophorone	ND	2.2	4-Bromophenyl-phenylether	ND	2.2
2-Nitrophenol	ND	2.2	Hexachlorobenzene	ND	2.2
2,4-Dimethylphenol	ND	2.2	Pentachlorophenol	ND	11
Benzoic Acid	ND	11	Phenanthrene	ND	2.2
bis(2-Chloroethoxy)methane	ND	2.2	Anthracene	ND	2.2
2,4-Dichlorophenol	ND	2.2	Di-n-butylphthalate	ND	2.2
1,2,4-Trichlorobenzene	ND	2.2	Fluoranthene	ND	2.2
Naphthalene	ND	2.2	Pyrene	ND	2.2
4-Chloroaniline	ND	4.4	Butylbenzylphthalate	ND	2.2
Hexachlorobutadiene	ND	2.2	3,3'-Dichlorobenzidine	ND	4.4
4-Chloro-3-methylphenol	ND	4.4	Benzo(a)anthracene	ND	2.2
2-Methylnaphthalene	ND	2.2	Chrysene	ND	2.2
Hexachlorocyclopentadiene	ND	2.2	bis(2-Ethylhexyl)phthalate	ND	2.2
2,4,6-Trichlorophenol	ND	2.2	Di-n-octylphthalate	ND	2.2
2,4,5-Trichlorophenol	ND	2.2	Benzo(b)fluoranthene	ND	2.2
2-Chloronaphthalene	ND	2.2	Benzo(k)fluoranthene	ND	2.2
2-Nitroaniline	ND	11	Benzo(a)pyrene	ND	2.2
Dimethylphthalate	ND	2.2	Indeno(1,2,3-cd)pyrene	ND	2.2
Acenaphthylene	ND	2.2	Dibenzo(a,h)anthracene	ND	2.2
			Benzo(g,h,i)perylene	ND	2.2

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: C-TP-1-2

SAMPLE DATE: 07/21/90

EXTRACTION DATE: 08/01/90

ANALYSIS DATE: 08/09/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	U	Limit			U	Limit
Phenol	U	0.47	2,6-Dinitrotoluene	U	0.47	
bis(2-Chloroethyl)ether	U	0.47	3-Nitroaniline	U	2.4	
2-Chlorophenol	U	0.47	Acenaphthene	U	0.47	
1,3-Dichlorobenzene	U	0.47	2,4-Dinitrophenol	U	2.4	
1,4-Dichlorobenzene	U	0.47	4-Nitrophenol	U	2.4	
Benzyl alcohol	U	0.94	Dibenzofuran	U	0.47	
1,2-Dichlorobenzene	U	0.47	2,4-Dinitrotoluene	U	0.47	
2-Methylphenol	U	0.47	Diethylphthalate	U	0.47	
bis(2-Chloroisopropyl)ether	U	0.47	4-Chlorophenyl-phenylether	U	0.47	
4-Methylphenol	U	0.47	Fluorene	0.086J	0.47	
N-Nitroso-di-n-propylamine	U	0.47	4-Nitroaniline	U	2.4	
Hexachloroethane	U	0.47	4,6-Dinitro-2-methylphenol	U	2.4	
Nitrobenzene	U	0.47	N-Nitrosodiphenylamine	U	0.47	
Isophorone	U	0.47	4-Bromophenyl-phenylether	U	0.47	
2-Nitrophenol	U	0.47	Hexachlorobenzene	U	0.47	
2,4-Dimethylphenol	U	0.47	Pentachlorophenol	U	2.4	
Benzoic Acid	U	2.4	Phenanthrene	0.080J	0.47	
bis(2-Chloroethoxy)methane	U	0.47	Anthracene	U	0.47	
2,4-Dichlorophenol	U	0.47	Di-n-butylphthalate	0.26JB	0.47	
1,2,4-Trichlorobenzene	U	0.47	Fluoranthene	U	0.47	
Naphthalene	U	0.47	Pyrene	U	0.47	
4-Chloroaniline	U	0.94	Butylbenzylphthalate	U	0.47	
Hexachlorobutadiene	U	0.47	3,3'-Dichlorobenzidine	U	0.94	
4-Chloro-3-methylphenol	U	0.94	Benzo(a)anthracene	U	0.47	
2-Methylnaphthalene	U	0.47	Chrysene	U	0.47	
Hexachlorocyclopentadiene	U	0.47	bis(2-Ethylhexyl)phthalate	0.062JB	0.47	
2,4,6-Trichlorophenol	U	0.47	Di-n-octylphthalate	U	0.47	
2,4,5-Trichlorophenol	U	0.47	Benzo(b)fluoranthene	U	0.47	
2-Chloronaphthalene	U	0.47	Benzo(k)fluoranthene	U	0.47	
2-Nitroaniline	U	2.4	Benzo(a)pyrene	U	0.47	
Dimethylphthalate	U	0.47	Indeno(1,2,3-cd)pyrene	U	0.47	
Acenaphthylene	U	0.47	Dibenzo(a,h)anthracene	U	0.47	
			Benzo(g,h,i)perylene	U	0.47	

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-206

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: C-TP-2-2

SAMPLE DATE: 07/21/90

EXTRACTION DATE: 08/01/90

ANALYSIS DATE: 08/09/90

	Results in	mg/kg:		Detection
	Detection			Limit
	Limit			
Phenol	U	0.40	2,6-Dinitrotoluene	U 0.40
bis(2-Chloroethyl)ether	U	0.40	3-Nitroaniline	U 2.0
2-Chlorophenol	U	0.40	Acenaphthene	U 0.40
1,3-Dichlorobenzene	U	0.40	2,4-Dinitrophenol	U 2.0
1,4-Dichlorobenzene	U	0.40	4-Nitrophenol	U 2.0
Benzyl alcohol	U	0.80	Dibenzofuran	U 0.40
1,2-Dichlorobenzene	U	0.40	2,4-Dinitrotoluene	U 0.40
2-Methylphenol	U	0.40	Diethylphthalate	U 0.40
bis(2-Chloroisopropyl)ether	U	0.40	4-Chlorophenyl-phenylether	U 0.40
4-Methylphenol	U	0.40	Fluorene	U 0.40
N-Nitroso-di-n-propylamine	U	0.40	4-Nitroaniline	U 2.0
Hexachloroethane	U	0.40	4,6-Dinitro-2-methylphenol	U 2.0
Nitrobenzene	U	0.40	N-Nitrosodiphenylamine	U 0.40
Isophorone	U	0.40	4-Bromophenyl-phenylether	U 0.40
2-Nitrophenol	U	0.40	Hexachlorobenzene	U 0.40
2,4-Dimethylphenol	U	0.40	Pentachlorophenol	U 2.0
Benzoic Acid	U	2.0	Phenanthrene	U 0.40
bis(2-Chloroethoxy)methane	U	0.40	Anthracene	U 0.40
2,4-Dichlorophenol	U	0.40	Di-n-butylphthalate	0.11JB 0.40
1,2,4-Trichlorobenzene	U	0.40	Fluoranthene	U 0.40
Naphthalene	U	0.40	Pyrene	U 0.40
4-Chloroaniline	U	0.80	Butylbenzylphthalate	U 0.40
Hexachlorobutadiene	U	0.40	3,3'-Dichlorobenzidine	U 0.80
4-Chloro-3-methylphenol	U	0.80	Benzo(a)anthracene	U 0.40
2-Methylnaphthalene	U	0.40	Chrysene	U 0.40
Hexachlorocyclopentadiene	U	0.40	bis(2-Ethylhexyl)phthalate	0.13JB 0.40
2,4,6-Trichlorophenol	U	0.40	Di-n-octylphthalate	U 0.40
2,4,5-Trichlorophenol	U	0.40	Benzo(b)fluoranthene	U 0.40
2-Chloronaphthalene	U	0.40	Benzo(k)fluoranthene	U 0.40
2-Nitroaniline	U	2.0	Benzo(a)pyrene	U 0.40
Dimethylphthalate	U	0.40	Indeno(1,2,3-cd)pyrene	U 0.40
Acenaphthylene	U	0.40	Dibenzo(a,h)anthracene	U 0.40
			Benzo(g,h,i)perylene	U 0.40

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: D-TP-3-2

SAMPLE DATE: 07/21/90

EXTRACTION DATE: 07/30/90

ANALYSIS DATE: 08/06/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
		Limit				Limit
Phenol	U	25	2,6-Dinitrotoluene	U		25
bis(2-Chloroethyl)ether	U	25	3-Nitroaniline	U		130
2-Chlorophenol	U	25	Acenaphthene	U		25
1,3-Dichlorobenzene	U	25	2,4-Dinitrophenol	U		130
1,4-Dichlorobenzene	U	25	4-Nitrophenol	U		130
Benzyl alcohol	U	50	Dibenzofuran	3.3J		25
1,2-Dichlorobenzene	U	25	2,4-Dinitrotoluene	U		25
2-Methylphenol	U	25	Diethylphthalate	U		25
bis(2-Chloroisopropyl)ether	U	25	4-Chlorophenyl-phenylether	U		25
4-Methylphenol	U	25	Fluorene	U		25
N-Nitroso-di-n-propylamine	U	25	4-Nitroaniline	U		130
Hexachloroethane	U	25	4,6-Dinitro-2-methylphenol	U		130
Nitrobenzene	U	25	N-Nitrosodiphenylamine	U		25
Isophorone	U	25	4-Bromophenyl-phenylether	U		25
2-Nitrophenol	U	25	Hexachlorobenzene	U		25
2,4-Dimethylphenol	U	25	Pentachlorophenol	U		130
Benzoic Acid	U	130	Phenanthrene	2.1J		25
bis(2-Chloroethoxy)methane	U	25	Anthracene	U		25
2,4-Dichlorophenol	U	25	Di-n-butylphthalate	7.0J		25
1,2,4-Trichlorobenzene	U	25	Fluoranthene	U		25
Naphthalene	16J	25	Pyrene	U		25
4-Chloroaniline	U	50	Butylbenzylphthalate	U		25
Hexachlorobutadiene	U	25	3,3'-Dichlorobenzidine	U		50
4-Chloro-3-methylphenol	U	50	Benzo(a)anthracene	U		25
2-Methylnaphthalene	50JB	25	Chrysene	U		25
Hexachlorocyclopentadiene	U	25	bis(2-Ethylhexyl)phthalate	U		25
2,4,6-Trichlorophenol	U	25	Di-n-octylphthalate	U		25
2,4,5-Trichlorophenol	U	25	Benzo(b)fluoranthene	U		25
2-Chloronaphthalene	U	25	Benzo(k)fluoranthene	U		25
2-Nitroaniline	U	130	Benzo(a)pyrene	U		25
Dimethylphthalate	U	25	Indeno(1,2,3-cd)pyrene	U		25
Acenaphthylene	U	25	Dibenzo(a,h)anthracene	U		25
			Benzo(g,h,i)perylene	U		25

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: E-TP-4-2

SAMPLE DATE: 07/21/90

EXTRACTION DATE: 07/30/90

ANALYSIS DATE: 08/06/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
		Limit				Limit
Phenol	U	25	2,6-Dinitrotoluene	U		25
bis(2-Chloroethyl)ether	U	25	3-Nitroaniline	U		130
2-Chlorophenol	U	25	Acenaphthene	U		25
1,3-Dichlorobenzene	U	25	2,4-Dinitrophenol	U		130
1,4-Dichlorobenzene	U	25	4-Nitrophenol	U		130
Benzyl alcohol	U	50	Dibenzofuran	U		25
1,2-Dichlorobenzene	U	25	2,4-Dinitrotoluene	U		25
2-Methylphenol	U	25	Diethylphthalate	U		25
bis(2-Chloroisopropyl)ether	U	25	4-Chlorophenyl-phenylether	U		25
4-Methylphenol	U	25	Fluorene	U		25
N-Nitroso-di-n-propylamine	U	25	4-Nitroaniline	U		130
Hexachloroethane	U	25	4,6-Dinitro-2-methylphenol	U		130
Nitrobenzene	U	25	N-Nitrosodiphenylamine	U		25
Isophorone	U	25	4-Bromophenyl-phenylether	U		25
2-Nitrophenol	U	25	Hexachlorobenzene	U		25
2,4-Dimethylphenol	U	25	Pentachlorophenol	U		130
Benzoic Acid	U	130	Phenanthrene	U		25
bis(2-Chloroethoxy)methane	U	25	Anthracene	U		25
2,4-Dichlorophenol	U	25	Di-n-butylphthalate	U		25
1,2,4-Trichlorobenzene	U	25	Fluoranthene	U		25
Naphthalene	40	25	Pyrene	U		25
4-Chloroaniline	U	50	Butylbenzylphthalate	U		25
Hexachlorobutadiene	U	25	3,3'-Dichlorobenzidine	U		50
4-Chloro-3-methylphenol	U	50	Benzo(a)anthracene	U		25
2-Methylnaphthalene	150	25	Chrysene	U		25
Hexachlorocyclopentadiene	U	25	bis(2-Ethylhexyl)phthalate	U		25
2,4,6-Trichlorophenol	U	25	Di-n-octylphthalate	U		25
2,4,5-Trichlorophenol	U	25	Benzo(b)fluoranthene	U		25
2-Chloronaphthalene	U	25	Benzo(k)fluoranthene	U		25
2-Nitroaniline	U	130	Benzo(a)pyrene	U		25
Dimethylphthalate	U	25	Indeno(1,2,3-cd)pyrene	U		25
Acenaphthylene	U	25	Dibenzo(a,h)anthracene	U		25
			Benzo(g,h,i)perylene	U		25

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: E-TP-6-2

SAMPLE DATE: 07/20/90

EXTRACTION DATE: 07/30/90

ANALYSIS DATE: 08/06/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
		Limit				Limit
Phenol	U	28	2,6-Dinitrotoluene	U		28
bis(2-Chloroethyl)ether	U	28	3-Nitroaniline	U		140
2-Chlorophenol	U	28	Acenaphthene	U		28
1,3-Dichlorobenzene	U	28	2,4-Dinitrophenol	U		140
1,4-Dichlorobenzene	U	28	4-Nitrophenol	U		140
Benzyl alcohol	U	56	Dibenzofuran	U		28
1,2-Dichlorobenzene	U	28	2,4-Dinitrotoluene	U		28
2-Methylphenol	U	28	Diethylphthalate	U		28
bis(2-Chloroisopropyl)ether	U	28	4-Chlorophenyl-phenylether	U		28
4-Methylphenol	U	28	Fluorene	U		28
N-Nitroso-di-n-propylamine	U	28	4-Nitroaniline	U		140
Hexachloroethane	U	28	4,6-Dinitro-2-methylphenol	U		140
Nitrobenzene	U	28	N-Nitrosodiphenylamine	U		28
Isophorone	U	28	4-Bromophenyl-phenylether	U		28
2-Nitrophenol	U	28	Hexachlorobenzene	U		28
2,4-Dimethylphenol	U	28	Pentachlorophenol	U		140
Benzoic Acid	U	140	Phenanthrene	U		28
bis(2-Chloroethoxy)methane	U	28	Anthracene	U		28
2,4-Dichlorophenol	U	28	Di-n-butylphthalate	U		28
1,2,4-Trichlorobenzene	U	28	Fluoranthene	U		28
Naphthalene	14J	28	Pyrene	U		28
4-Chloroaniline	U	56	Butylbenzylphthalate	U		28
Hexachlorobutadiene	U	28	3,3'-Dichlorobenzidine	U		56
4-Chloro-3-methylphenol	U	56	Benzo(a)anthracene	U		28
2-Methylnaphthalene	55	28	Chrysene	U		28
Hexachlorocyclopentadiene	U	28	bis(2-Ethylhexyl)phthalate	U		28
2,4,6-Trichlorophenol	U	28	Di-n-octylphthalate	U		28
2,4,5-Trichlorophenol	U	28	Benzo(b)fluoranthene	U		28
2-Chloronaphthalene	U	28	Benzo(k)fluoranthene	U		28
2-Nitroaniline	U	140	Benzo(a)pyrene	U		28
Dimethylphthalate	U	28	Indeno(1,2,3-cd)pyrene	U		28
Acenaphthylene	U	28	Dibenzo(a,h)anthracene	U		28
			Benzo(g,h,i)perylene	U		28

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: D-TP-7-2

SAMPLE DATE: 07/20/90

EXTRACTION DATE: 07/30/90

ANALYSIS DATE: 08/06/90

		Results in		mg/kg:	
		Detection		Detection	
		Limit		Limit	
Phenol	U	25	2,6-Dinitrotoluene	U	25
bis(2-Chloroethyl)ether	U	25	3-Nitroaniline	U	130
2-Chlorophenol	U	25	Acenaphthene	U	25
1,3-Dichlorobenzene	U	25	2,4-Dinitrophenol	U	130
1,4-Dichlorobenzene	U	25	4-Nitrophenol	U	130
Benzyl alcohol	U	50	Dibenzofuran	U	25
1,2-Dichlorobenzene	U	25	2,4-Dinitrotoluene	U	25
2-Methylphenol	U	25	Diethylphthalate	U	25
bis(2-Chloroisopropyl)ether	U	25	4-Chlorophenyl-phenylether	U	25
4-Methylphenol	U	25	Fluorene	U	25
N-Nitroso-di-n-propylamine	U	25	4-Nitroaniline	U	130
Hexachloroethane	U	25	4,6-Dinitro-2-methylphenol	U	130
Nitrobenzene	U	25	N-Nitrosodiphenylamine	U	25
Isophorone	U	25	4-Bromophenyl-phenylether	U	25
2-Nitrophenol	U	25	Hexachlorobenzene	U	25
2,4-Dimethylphenol	U	25	Pentachlorophenol	U	130
Benzoic Acid	U	130	Phenanthrene	U	25
bis(2-Chloroethoxy)methane	U	25	Anthracene	U	25
2,4-Dichlorophenol	U	25	Di-n-butylphthalate	U	25
1,2,4-Trichlorobenzene	U	25	Fluoranthene	U	25
Naphthalene	21J	25	Pyrene	U	25
4-Chloroaniline	U	50	Butylbenzylphthalate	U	25
Hexachlorobutadiene	U	25	3,3'-Dichlorobenzidine	U	50
4-Chloro-3-methylphenol	U	50	Benzo(a)anthracene	U	25
2-Methylnaphthalene	92	25	Chrysene	U	25
Hexachlorocyclopentadiene	U	25	bis(2-Ethylhexyl)phthalate	U	25
2,4,6-Trichlorophenol	U	25	Di-n-octylphthalate	U	25
2,4,5-Trichlorophenol	U	25	Benzo(b)fluoranthene	U	25
2-Chloronaphthalene	U	25	Benzo(k)fluoranthene	U	25
2-Nitroaniline	U	130	Benzo(a)pyrene	U	25
Dimethylphthalate	U	25	Indeno(1,2,3-cd)pyrene	U	25
Acenaphthylene	U	25	Dibenzo(a,h)anthracene	U	25
			Benzo(g,h,i)perylene	U	25

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: G-TP-11-2

SAMPLE DATE: 07/20/90

EXTRACTION DATE: 07/30/90

ANALYSIS DATE: 08/06/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	Limit				Limit	
Phenol	U	26	2,6-Dinitrotoluene	U	26	
bis(2-Chloroethyl)ether	U	26	3-Nitroaniline	U	130	
2-Chlorophenol	U	26	Acenaphthene	U	26	
1,3-Dichlorobenzene	U	26	2,4-Dinitrophenol	U	130	
1,4-Dichlorobenzene	U	26	4-Nitrophenol	U	130	
Benzyl alcohol	U	52	Dibenzofuran	U	26	
1,2-Dichlorobenzene	U	26	2,4-Dinitrotoluene	U	26	
2-Methylphenol	U	26	Diethylphthalate	U	26	
bis(2-Chloroisopropyl)ether	U	26	4-Chlorophenyl-phenylether	U	26	
4-Methylphenol	U	26	Fluorene	4.6J	26	
N-Nitroso-di-n-propylamine	U	26	4-Nitroaniline	U	130	
Hexachloroethane	U	26	4,6-Dinitro-2-methylphenol	U	130	
Nitrobenzene	U	26	N-Nitrosodiphenylamine	U	26	
Isophorone	U	26	4-Bromophenyl-phenylether	U	26	
2-Nitrophenol	U	26	Hexachlorobenzene	U	26	
2,4-Dimethylphenol	U	26	Pentachlorophenol	U	130	
Benzoic Acid	U	130	Phenanthrene	12J	26	
bis(2-Chloroethoxy)methane	U	26	Anthracene	3.2J	26	
2,4-Dichlorophenol	U	26	Di-n-butylphthalate	U	26	
1,2,4-Trichlorobenzene	U	26	Fluoranthene	U	26	
Naphthalene	6.5J	26	Pyrene	6.3J	26	
4-Chloroaniline	U	52	Butylbenzylphthalate	U	26	
Hexachlorobutadiene	U	26	3,3'-Dichlorobenzidine	U	52	
4-Chloro-3-methylphenol	U	52	Benzo(a)anthracene	U	26	
2-Methylnaphthalene	20J	26	Chrysene	U	26	
Hexachlorocyclopentadiene	U	26	bis(2-Ethylhexyl)phthalate	U	26	
2,4,6-Trichlorophenol	U	26	Di-n-octylphthalate	U	26	
2,4,5-Trichlorophenol	U	26	Benzo(b)fluoranthene	U	26	
2-Chloronaphthalene	U	26	Benzo(k)fluoranthene	U	26	
2-Nitroaniline	U	130	Benzo(a)pyrene	U	26	
Dimethylphthalate	U	26	Indeno(1,2,3-cd)pyrene	U	26	
Acenaphthylene	U	26	Dibenzo(a,h)anthracene	U	26	
			Benzo(g,h,i)perylene	U	26	

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-07-206

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: G-TP-12-2

SAMPLE DATE: 07/20/90

EXTRACTION DATE: 08/01/90

ANALYSIS DATE: 08/09/90

Results in mg/kg:
Detection
LimitDetection
Limit

Phenol	1.5J	2.1	2,6-Dinitrotoluene	U	2.1
bis(2-Chloroethyl)ether	U	2.1	3-Nitroaniline	U	11
2-Chlorophenol	U	2.1	Acenaphthene	U	2.1
1,3-Dichlorobenzene	U	2.1	2,4-Dinitrophenol	U	11
1,4-Dichlorobenzene	U	2.1	4-Nitrophenol	U	11
Benzyl alcohol	U	4.2	Dibenzofuran	0.5J	2.1
1,2-Dichlorobenzene	U	2.1	2,4-Dinitrotoluene	U	2.1
2-Methylphenol	U	2.1	Diethylphthalate	U	2.1
bis(2-Chloroisopropyl)ether	U	2.1	4-Chlorophenyl-phenylether	U	2.1
4-Methylphenol	U	2.1	Fluorene	0.57J	2.1
N-Nitroso-di-n-propylamine	U	2.1	4-Nitroaniline	U	11
Hexachloroethane	U	2.1	4,6-Dinitro-2-methylphenol	U	11
Nitrobenzene	U	2.1	N-Nitrosodiphenylamine	U	2.1
Isophorone	U	2.1	4-Bromophenyl-phenylether	U	2.1
2-Nitrophenol	U	2.1	Hexachlorobenzene	U	2.1
2,4-Dimethylphenol	U	2.1	Pentachlorophenol	U	11
Benzoic Acid	U	11	Phenanthrene	1.1J	2.1
bis(2-Chloroethoxy)methane	U	2.1	Anthracene	0.19J	2.1
2,4-Dichlorophenol	U	2.1	Di-n-butylphthalate	0.21JB	2.1
1,2,4-Trichlorobenzene	U	2.1	Fluoranthene	U	2.1
Naphthalene	11	2.1	Pyrene	0.41J	2.1
4-Chloroaniline	U	4.2	Butylbenzylphthalate	U	2.1
Hexachlorobutadiene	U	2.1	3,3'-Dichlorobenzidine	U	4.2
4-Chloro-3-methylphenol	U	4.2	Benzo(a)anthracene	U	2.1
2-Methylnaphthalene	17	2.1	Chrysene	U	2.1
Hexachlorocyclopentadiene	U	2.1	bis(2-Ethylhexyl)phthalate	0.23JB	2.1
2,4,6-Trichlorophenol	U	2.1	Di-n-octylphthalate	U	2.1
2,4,5-Trichlorophenol	U	2.1	Benzo(b)fluoranthene	U	2.1
2-Chloronaphthalene	U	2.1	Benzo(k)fluoranthene	U	2.1
2-Nitroaniline	U	11	Benzo(a)pyrene	U	2.1
Dimethylphthalate	U	2.1	Indeno(1,2,3-cd)pyrene	U	2.1
Acenaphthylene	U	2.1	Dibenzo(a,h)anthracene	U	2.1
			Benzo(g,h,i)perylene	U	2.1

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-07-206

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: G-TP-13-2

SAMPLE DATE: 07/20/90

EXTRACTION DATE: 07/30/90

ANALYSIS DATE: 08/15/90

		Results in		mg/kg:	
		Detection		Detection	
		Limit		Limit	
Phenol	U	26	2,6-Dinitrotoluene	U	26
bis(2-Chloroethyl)ether	U	26	3-Nitroaniline	U	130
2-Chlorophenol	U	26	Acenaphthene	U	26
1,3-Dichlorobenzene	U	26	2,4-Dinitrophenol	U	130
1,4-Dichlorobenzene	U	26	4-Nitrophenol	U	130
Benzyl alcohol	U	52	Dibenzofuran	U	26
1,2-Dichlorobenzene	U	26	2,4-Dinitrotoluene	U	26
2-Methylphenol	U	26	Diethylphthalate	U	26
bis(2-Chloroisopropyl)ether	U	26	4-Chlorophenyl-phenylether	U	26
4-Methylphenol	U	26	Fluorene	U	26
N-Nitroso-di-n-propylamine	U	26	4-Nitroaniline	U	130
Hexachloroethane	U	26	4,6-Dinitro-2-methylphenol	U	130
Nitrobenzene	U	26	N-Nitrosodiphenylamine	U	26
Isophorone	U	26	4-Bromophenyl-phenylether	U	26
2-Nitrophenol	U	26	Hexachlorobenzene	U	26
2,4-Dimethylphenol	U	26	Pentachlorophenol	U	130
Benzoic Acid	U	130	Phenanthrene	U	26
bis(2-Chloroethoxy)methane	U	26	Anthracene	U	26
2,4-Dichlorophenol	U	26	Di-n-butylphthalate	U	26
1,2,4-Trichlorobenzene	U	26	Fluoranthene	U	26
Naphthalene	U	26	Pyrene	U	26
4-Chloroaniline	U	52	Butylbenzylphthalate	U	26
Hexachlorobutadiene	U	26	3,3'-Dichlorobenzidine	U	52
4-Chloro-3-methylphenol	U	52	Benzo(a)anthracene	U	26
2-Methylnaphthalene	U	26	Chrysene	U	26
Hexachlorocyclopentadiene	U	26	bis(2-Ethylhexyl)phthalate	U	26
2,4,6-Trichlorophenol	U	26	Di-n-octylphthalate	U	26
2,4,5-Trichlorophenol	U	26	Benzo(b)fluoranthene	U	26
2-Chloronaphthalene	U	26	Benzo(k)fluoranthene	U	26
2-Nitroaniline	U	130	Benzo(a)pyrene	U	26
Dimethylphthalate	U	26	Indeno(1,2,3-cd)pyrene	U	26
Acenaphthylene	U	26	Dibenzo(a,h)anthracene	U	26
			Benzo(g,h,i)perylene	U	26

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-07-207

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: G-TP-14-2

SAMPLE DATE: 07/21/90

EXTRACTION DATE: 07/30/90

ANALYSIS DATE: 08/07/90

		Results in		mg/kg:			
		Detection				Detection	
		Limit				Limit	
Phenol	U	13	2,6-Dinitrotoluene	U	13		
bis(2-Chloroethyl)ether	U	13	3-Nitroaniline	U	65		
2-Chlorophenol	U	13	Acenaphthene	U	13		
1,3-Dichlorobenzene	U	13	2,4-Dinitrophenol	U	65		
1,4-Dichlorobenzene	U	13	4-Nitrophenol	U	65		
Benzyl alcohol	U	26	Dibenzofuran	1.8J	13		
1,2-Dichlorobenzene	U	13	2,4-Dinitrotoluene	U	13		
2-Methylphenol	U	13	Diethylphthalate	U	13		
bis(2-Chloroisopropyl)ether	U	13	4-Chlorophenyl-phenylether	U	13		
4-Methylphenol	U	13	Fluorene	0.64J	13		
N-Nitroso-di-n-propylamine	U	13	4-Nitroaniline	U	65		
Hexachloroethane	U	13	4,6-Dinitro-2-methylphenol	U	65		
Nitrobenzene	U	13	N-Nitrosodiphenylamine	U	13		
Isophorone	U	13	4-Bromophenyl-phenylether	U	13		
2-Nitrophenol	U	13	Hexachlorobenzene	U	13		
2,4-Dimethylphenol	U	13	Pentachlorophenol	U	65		
Benzoic Acid	U	65	Phenanthrene	U	13		
bis(2-Chloroethoxy)methane	U	13	Anthracene	U	13		
2,4-Dichlorophenol	U	13	Di-n-butylphthalate	U	13		
1,2,4-Trichlorobenzene	U	13	Fluoranthene	U	13		
Naphthalene	U	13	Pyrene	1.5J	13		
4-Chloroaniline	U	26	Butylbenzylphthalate	0.62J	13		
Hexachlorobutadiene	U	13	3,3'-Dichlorobenzidine	U	26		
4-Chloro-3-methylphenol	U	26	Benzo(a)anthracene	U	13		
2-Methylnaphthalene	U	13	Chrysene	0.70J	13		
Hexachlorocyclopentadiene	U	13	bis(2-Ethylhexyl)phthalate	U	13		
2,4,6-Trichlorophenol	U	13	Di-n-octylphthalate	U	13		
2,4,5-Trichlorophenol	U	13	Benzo(b)fluoranthene	U	13		
2-Chloronaphthalene	U	13	Benzo(k)fluoranthene	U	13		
2-Nitroaniline	U	65	Benzo(a)pyrene	U	13		
Dimethylphthalate	U	13	Indeno(1,2,3-cd)pyrene	U	13		
Acenaphthylene	U	13	Dibenzo(a,h)anthracene	U	13		
			Benzo(g,h,i)perylene	U	13		

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: 80-07-206

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: G-TP-15-2

SAMPLE DATE: 07/20/90

EXTRACTION DATE: 07/30/90

ANALYSIS DATE: 08/06/90

	Results in		mg/kg:		Detection	
	Detection				Limit	
	U	24			U	24
Phenol	U	24	2,6-Dinitrotoluene	U	120	24
Bis(2-Chloroethyl)ether	U	24	3-Nitroaniline	U	24	24
2-Chlorophenol	U	24	Acenaphthene	U	120	24
1,3-Dichlorobenzene	U	24	2,4-Dinitrophenol	U	24	24
1,4-Dichlorobenzene	U	24	4-Nitrophenol	U	24	24
Benzyl alcohol	U	48	Dibenzofuran	U	24	24
1,2-Dichlorobenzene	U	24	2,4-Dinitrotoluene	U	24	24
2-Methylphenol	U	24	Diethylphthalate	U	24	24
Bis(2-Chloroisopropyl)ether	U	24	4-Chlorophenyl-phenylether	U	24	24
4-Methylphenol	U	24	Fluorene	2.4J	24	24
N-Nitroso-di-n-propylamine	U	24	4-Nitroaniline	U	120	24
Hexachloroethane	U	24	4,6-Dinitro-2-methylphenol	U	120	24
Nitrobenzene	U	24	N-Nitrosodiphenylamine	U	24	24
Isophorone	U	24	4-Bromophenyl-phenylether	U	24	24
2-Nitrophenol	U	24	Hexachlorobenzene	U	24	24
2,4-Dimethylphenol	U	24	Pentachlorophenol	U	120	24
Benzoic Acid	U	120	Phenanthrene	2.4J	24	24
Bis(2-Chloroethoxy)methane	U	24	Anthracene	U	24	24
2,4-Dichlorophenol	U	24	Di-n-butylphthalate	U	24	24
1,2,4-Trichlorobenzene	U	24	Fluoranthene	U	24	24
Naphthalene	U	24	Pyrene	U	24	24
2-Chloroaniline	U	48	Butylbenzylphthalate	U	24	24
Hexachlorobutadiene	U	24	3,3'-Dichlorobenzidine	U	48	24
2-Chloro-3-methylphenol	U	48	Benzo(a)anthracene	U	24	24
2-Methylnaphthalene	12J	24	Chrysene	U	24	24
Hexachlorocyclopentadiene	U	24	bis(2-Ethylhexyl)phthalate	U	24	24
2,4,6-Trichlorophenol	U	24	Di-n-octylphthalate	U	24	24
2,4,5-Trichlorophenol	U	24	Benzo(b)fluoranthene	U	24	24
2-Chloronaphthalene	U	24	Benzo(k)fluoranthene	U	24	24
2-Nitroaniline	U	120	Benzo(a)pyrene	U	24	24
Dimethylphthalate	U	24	Indeno(1,2,3-cd)pyrene	U	24	24
Acenaphthylene	U	24	Dibenzo(a,h)anthracene	U	24	24
			Benzo(g,h,i)perylene	U	24	24

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: REXENE-OLD BRICKLAND REFINERY

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-07-207

TEST NAME: Extractables by CLP / 8270

SAMPLE ID: G-TP-16-2

SAMPLE DATE: 07/21/90

EXTRACTION DATE: 08/01/90

ANALYSIS DATE: 08/09/90

		Results in mg/kg:			
		Detection Limit		Detection Limit	
Phenol	U	2.4	2,6-Dinitrotoluene	U	2.4
bis(2-Chloroethyl)ether	U	2.4	3-Nitroaniline	U	12
2-Chlorophenol	U	2.4	Acenaphthene	0.36J	2.4
1,3-Dichlorobenzene	U	2.4	2,4-Dinitrophenol	U	12
1,4-Dichlorobenzene	U	2.4	4-Nitrophenol	U	12
Benzyl alcohol	U	4.8	Dibenzofuran	1.0J	2.4
1,2-Dichlorobenzene	U	2.4	2,4-Dinitrotoluene	U	2.4
2-Methylphenol	U	2.4	Diethylphthalate	U	2.4
bis(2-Chloroisopropyl)ether	U	2.4	4-Chlorophenyl-phenylether	U	2.4
4-Methylphenol	U	2.4	Fluorene	1.0J	2.4
N-Nitroso-di-n-propylamine	U	2.4	4-Nitroaniline	U	12
Hexachloroethane	U	2.4	4,6-Dinitro-2-methylphenol	U	12
Nitrobenzene	U	2.4	N-Nitrosodiphenylamine	U	2.4
Isophorone	U	2.4	4-Bromophenyl-phenylether	U	2.4
2-Nitrophenol	U	2.4	Hexachlorobenzene	U	2.4
2,4-Dimethylphenol	U	2.4	Pentachlorophenol	U	12
Benzoic Acid	U	12	Phenanthrene	1.8J	2.4
bis(2-Chloroethoxy)methane	U	2.4	Anthracene	0.28J	2.4
2,4-Dichlorophenol	U	2.4	Di-n-butylphthalate	0.22J	2.4
1,2,4-Trichlorobenzene	U	2.4	Fluoranthene	0.08J	2.4
Naphthalene	28	2.4	Pyrene	0.77J	2.4
4-Chloroaniline	U	4.8	Butylbenzylphthalate	U	2.4
Hexachlorobutadiene	U	2.4	3,3'-Dichlorobenzidine	U	4.8
4-Chloro-3-methylphenol	U	4.8	Benzo(a)anthracene	U	2.4
2-Methylnaphthalene	35	2.4	Chrysene	U	2.4
Hexachlorocyclopentadiene	U	2.4	bis(2-Ethylhexyl)phthalate	0.32JB	2.4
2,4,6-Trichlorophenol	U	2.4	Di-n-octylphthalate	U	2.4
2,4,5-Trichlorophenol	U	2.4	Benzo(b)fluoranthene	U	2.4
2-Chloronaphthalene	U	2.4	Benzo(k)fluoranthene	U	2.4
2-Nitroaniline	U	12	Benzo(a)pyrene	U	2.4
Dimethylphthalate	U	2.4	Indeno(1,2,3-cd)pyrene	U	2.4
Acenaphthylene	U	2.4	Dibenzo(a,h)anthracene	U	2.4
			Benzo(g,h,i)perylene	U	2.4

- SOIL-UNIQUE METAL RESULTS

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: EDER ASSOCIATES

Date: 01/09/91

Client Work ID: UNIQUE SOIL-AS-GF

446482

Work Order: B0-12-086

SAMPLE ID	E-TP-17	E-TP-18	E-TP-19	
SAMPLED	03/29/90	03/29/90	03/29/90	UNITS
TEST				
ARSENIC	5.7 *	2.0 *B	3.8 *	mg/kg
- FURNACE	[0.66]	[0.70]	[0.76]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 01/09/91

Client Work ID: UNIQUE SOIL-AS-GF

446482

Work Order: B0-12-086

SAMPLE ID	E-TP-20	E-TP-21	E-TP-22	
SAMPLED	03/29/90	03/29/90	03/30/90	UNITS
TEST				
ARSENIC	4.0 *	1.9 * B W	38 * S	mg/kg
- FURNACE	[0.77]	[0.73]	[3.5]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: EDER ASSOCIATES

Date: 01/09/91

Client Work ID: UNIQUE SOIL-AS-GF

446482

Work Order: B0-12-086

SAMPLE ID	E-TP-23	E-TP-24	F-TP-59	
SAMPLED	03/30/90	03/30/90	04/10/90	UNITS
TEST				
ARSENIC	8.3 *	16 *	60 *	mg/kg
- FURNACE	[0.77]	[0.80]	[3.1]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 01/09/91

Client Work ID: UNIQUE SOIL-AS-GF

446482

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: 80-12-086

SAMPLE ID	F-TP-60	F-TP-61	F-TP-62	
SAMPLED	04/10/90	04/10/90	04/10/90	UNITS
TEST				
ARSENIC - FURNACE	99 * S [2.9]	46 * S [3.2]	82 * S [3.3]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Company: EDER ASSOCIATES

Date: 01/09/91

Client Work ID: UNIQUE SOIL-AS-GF

446482

Work Order: B0-12-086

SAMPLE ID	B-TP-83	B-TP-84	B-TP-85	
SAMPLED	04/12/90	04/12/90	04/12/90	UNITS
TEST				
ARSENIC	57 *	14 *U	9.5 *	mg/kg
- FURNACE	[3.3]	[0.66]	[0.69]	

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 01/09/91

Client Work ID: UNIQUE SOIL-AS-GP

446482

Work Order: B0-12-086

SAMPLE ID	B-TP-86	
SAMPLED	04/12/90	
TEST		UNITS
ARSENIC - FURNACE	8.3 * [0.65]	mg/kg

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-08-080

SAMPLE ID	C-TP-1	C-TP-2	C-TP-3	
SAMPLED				
TEST				UNITS
ARSENIC by ICP	19.7 [3.2]	14.7 [3.3]	43.3 [3.0]	mg/kg
CADMIUM by ICP	2.0 [0.19]	1.3 [0.20]	9.0 [0.18]	mg/kg
COPPER by ICP	25.5 [0.24]	28.0 [0.25]	184 [0.22]	mg/kg
LEAD by ICP	121 [2.5]	98.1 [2.6]	278 [2.3]	mg/kg
ZINC by ICP	51.9 [0.15]	39.8 [0.16]	159 [0.14]	mg/kg
TOTAL SOLIDS	77 [1.0]	73 [1.0]	86 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

Work Order: 80-08-080

SAMPLE ID	C-TP-4	C-TP-5	C-TP-6	
SAMPLED				
TEST				UNITS
ARSENIC by ICP		129	14.7	mg/kg
		[34]	[2.7]	
CADMIUM by ICP	0.6	16.5	3.7	mg/kg
	[0.2]	[2.0]	[0.16]	
COPPER by ICP	21.3	280	142	mg/kg
	[0.22]	[2.5]	[0.20]	
LEAD by ICP	22.7	683	166	mg/kg
	[2.3]	[26]	[2.1]	
ZINC by ICP	65.4	367	120	mg/kg
	[0.14]	[1.6]	[0.13]	
ARSENIC	25.8*N+			mg/kg
- FURNACE	[2.9]			
TOTAL SOLIDS	87	80	91	%
	[1.0]	[1.0]	[1.0]	

ND indicates the parameter was not detected.
 Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-08-080

SAMPLE ID	C-TP-7	C-TP-8	E-TP-9	
SAMPLED				
TEST				UNITS
MERCURY		0.06UN [0.06]		mg/kg
SILVER by ICP		2.9 [0.58]		mg/kg
ARSENIC by ICP	50.9 [3.6]			mg/kg
CADMIUM by ICP	19.0 [0.21]	0.2B [0.2]		mg/kg
CHROMIUM by ICP		7.5 [0.46]		mg/kg
COPPER by ICP	197 [0.26]	4.8 [0.23]		mg/kg
NICKEL by ICP		10.2 [0.93]		mg/kg
LEAD by ICP	328 [2.8]	5.0 [2.4]		mg/kg
ZINC by ICP	221 [0.17]	17.1 [0.15]		mg/kg
ARSENIC - FURNACE		5.0B*N+ [2.7]	23.0*NS [2.9]	mg/kg
TOTAL SOLIDS	80 [1.0]	86 [1.0]	73.7 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES
Date: 08/22/90
Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-08-080

SAMPLE ID	E-TP-10	E-TP-11	E-TP-12	
SAMPLED				
TEST				UNITS
ARSENIC by ICP		14.0 [3.0]		mg/kg
ARSENIC - FURNACE	33.8*NS [2.0]		20.6*NS [2.9]	mg/kg
TOTAL SOLIDS	83.8 [1.0]	81 [1.0]	75.6 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES
Date: 08/22/90
Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-08-080

SAMPLE ID	E-TP-13	E-TP-14	E-TP-15	
SAMPLED				
TEST				UNITS
CHROMIUM by ICP			13.2 [0.54]	mg/kg
NICKEL by ICP			17.3 [1.1]	mg/kg
ARSENIC - FURNACE	10.6B*NW [2.7]	5.6B*NS [2.7]	7.7B*NW [2.3]	mg/kg
TOTAL SOLIDS	87.3 [1.0]	81.4 [1.0]	77 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

Work Order: B0-08-080

SAMPLE ID	E-TP-16	E-TP-21	E-TP-25	
SAMPLED				
TEST				UNITS
MERCURY			0.15N [0.06]	mg/kg
SILVER by ICP		4.2 [0.69]		mg/kg
CADMIUM by ICP		0.2U [0.2]		mg/kg
COPPER by ICP			39.1 [0.23]	mg/kg
LEAD by ICP			93.5 [2.4]	mg/kg
ZINC by ICP			69.8 [0.15]	mg/kg
ARSENIC	9.6B*NS		9.0B*NS	mg/kg
- FURNACE	[2.6]		[2.7]	
TOTAL SOLIDS	84.6 [1.0]	73 [1.0]	83 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES
 Date: 08/22/90
 Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
 AUSTIN, TX
 (512) 892-6684

Work Order: B0-08-080

SAMPLE ID	E-TP-26	E-TP-27	E-TP-28	
SAMPLED				
TEST				UNITS
MERCURY	0.16N [0.07]	0.76N [0.06]		mg/kg
COPPER by ICP	218 [0.24]	26.9 [0.25]	144*N [0.25]	mg/kg
LEAD by ICP	139000 [2.5]	71.5 [2.7]	160* [2.6]	mg/kg
ZINC by ICP	50.6 [0.16]	48.4 [0.16]		mg/kg
ARSENIC - FURNACE	33.2*NS [1.4]	5.4B*N [1.5]		mg/kg
TOTAL SOLIDS	76 [1.0]	78 [1.0]	79 [1.0]	%

ND indicates the parameter was not detected.
 Detection limits are specified in [].

Company: EDER ASSOCIATES
Date: 08/22/90
Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-08-080

SAMPLE ID	E-TP-29	E-TP-30	E-TP-31	
SAMPLED				
TEST				UNITS
COPPER by ICP	53.9*N [0.24]	71.5*N [0.28]	9.6B*N [2.8]	mg/kg
LEAD by ICP	88.4* [2.5]	184* [2.9]	29.5* [29]	mg/kg
TOTAL SOLIDS	84 [1.0]	80 [1.0]	80 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES
Date: 08/22/90
Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
AUSTIN, TX
(512) 892-6684

Work Order: B0-08-080

SAMPLE ID	E-TP-32	E-TP-33	E-TP-34	
SAMPLED				
TEST				UNITS
COPPER by ICP	123*N [0.25]	163*N [0.25]	233*N [0.25]	mg/kg
LEAD by ICP	686* [2.7]	180* [2.6]	37700* [2.6]	mg/kg
ZINC by ICP		130 [0.16]	158 [0.16]	mg/kg
TOTAL SOLIDS	79 [1.0]	80 [1.0]	79 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

Work Order: B0-08-080

SAMPLE ID	E-TP-35	E-TP-36	F-TP-37	
SAMPLED				
TEST				UNITS
COPPER by ICP	585*N [2.6]	162*N [0.24]	172*N [0.25]	mg/kg
LEAD by ICP	4860* [27]	2470* [2.5]	1090* [2.6]	mg/kg
ZINC by ICP	252 [1.7]	140 [0.15]		mg/kg
TOTAL SOLIDS	77 [1.0]	84 [1.0]	76 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

Work Order: B0-08-080

SAMPLE ID	F-TP-38	F-TP-39	F-TP-40	
SAMPLED				
TEST				UNITS
COPPER by ICP	33.1*N [0.25]	270*N [0.26]	132*N [0.27]	mg/kg
LEAD by ICP	32.8* [2.6]	890* [2.7]	899* [2.8]	mg/kg
TOTAL SOLIDS	83 [1.0]	78 [1.0]	78 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

Work Order: 80-08-080

SAMPLE ID	F-TP-41	F-TP-43	F-TP-44	
SAMPLED				
TEST				UNITS
MERCURY	0.06UN [0.06]	0.06UN [0.06]	0.05UN [0.05]	mg/kg
COPPER by ICP	310*N [0.25]	174*N [0.23]	9.2*N [0.23]	mg/kg
LEAD by ICP	1340* [2.6]	764* [2.4]	8.2* [2.4]	mg/kg
TOTAL SOLIDS	81 [1.0]	87 [1.0]	93 [1.0]	%

ND indicates the parameter was not detected.
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Company: EDER ASSOCIATES
 Date: 08/22/90
 Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES
 AUSTIN, TX
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Work Order: B0-08-080

SAMPLE ID	F-TP-45	F-TP-46	F-TP-47	
SAMPLED				
TEST				UNITS
SILVER by ICP			8.1 [0.53]	mg/kg
ARSENIC by ICP			35.3 [2.8]	mg/kg
CHROMIUM by ICP			45.4 [0.42]	mg/kg
COPPER by ICP	61.5*N [0.25]	72.0*N [2.5]	647*N [0.21]	mg/kg
NICKEL by ICP			41.4 [0.84]	mg/kg
LEAD by ICP	268* [2.6]	564* [27]	628* [2.2]	mg/kg
ZINC by ICP	376 [0.16]	115 [1.6]	1710 [0.14]	mg/kg
TOTAL SOLIDS	86 [1.0]	78 [1.0]	86 [1.0]	%

ND indicates the parameter was not detected.
 Detection limits are specified in [].

Company: EDER ASSOCIATES

Date: 08/22/90

Client Work ID: OLD BRICKLAND

IT ANALYTICAL SERVICES

AUSTIN, TX

(512) 892-6684

Work Order: B0-08-080

SAMPLE ID	F-TP-48	F-TP-49	F-TP-50	
SAMPLED				
TEST				UNITS
SILVER by ICP	0.9B [0.6]	6.1 [0.69]	7.5 [0.65]	mg/kg
CHROMIUM by ICP	34.3 [0.46]	22.6 [0.55]	47.2 [0.52]	mg/kg
COPPER by ICP	422*N [0.23]	126*N [0.27]	390*N [0.26]	mg/kg
NICKEL by ICP	39.6 [0.92]	42.9 [1.1]	19.2 [1.0]	mg/kg
LEAD by ICP	450* [2.4]	488* [2.9]	676* [2.7]	mg/kg
ZINC by ICP	277 [0.15]	845 [0.18]	525 [0.17]	mg/kg
TOTAL SOLIDS	79 [1.0]	73 [1.0]	78 [1.0]	%

ND indicates the parameter was not detected.
Detection limits are specified in [].