Reference 35

9532657

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

March 1, 1996

Mr. Mike Ward, President
MJP Resources Inc.
9309 North Star
Corpus Christi, Texas 78409

Re: MJP Resources Pipeline Spill

Dear Mr. Ward:

On November 15, 1995, a release from the MJP Resources Inc. Pipeline between Sunray and Bishop Roads was inspected by Mr. Jeff Lewelllin of my staff. Our initial report indicated that the spilled material was crude oil, which would require remedial action under direction of the Railroad Commission of Texas. Analyses of samples collected in the spill area indicate constituents not normally found in crude oil were released during the spill event. Based on this information, it appears that the spill will have to be remediated under TNRCC guidance and all waste generated be classified and disposed in accordance with 30 TAC Chapter 335.

If you need additional clarification or further assistance addressing this spill incident, please feel free to contact Mr. Lewellin of my staff at (512) 851-8484. If you would like to discuss these issues in person, please contact me at the same telephone number to schedule a meeting.

Sincerely,

Carlton H. Stanley
Regional Manager

JCL/le

Enclosure

cc: Mr. Bernie Eickel
Railroad Commission of Texas
P.O. Box 10307
Corpus Christi, Texas 78410

35 001

REPLY TO: REGION 14 • 4410 DILLON LN., SUITE 47 • CORPUS CHRISTI, TEXAS 78415-5326 • AREA CODE 512/851-8484

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000

CORE LABORATORIES

CORE LABORATORIES
A N A L Y T I C A L R E P O R T

Job Number: 960391
Prepared For:

TNRCC
ERNEST HEYER
P. O. BOX 13087 CAPITOL STATION
AUSTIN, TX 78711-3087

Date: 02/27/96

RECEIVED
FEB 29 1996
FIELD OPERATIONS
REGION 14

Signature: Chi Meador

Date: 2/28/96

Name: Chip Meador

CORE LABORATORIES
1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408

Title: Regional Manager

The analyses, opinions or interpretations contained in this report are based upon observations and material supplied by the client for whose exclusive and confidential use this report has been made. The interpretations or opinions expressed represent the best judgment of Core Laboratories. Core Laboratories, however, assumes no responsibility and makes no warranty or representations, express or implied, as to the productivity, proper operations, or profitableness of any oil, gas, or other mineral, property, well, or sand in connection with which such report is used or relied upon for any reason whatsoever. This report shall not be reproduced, except in its entirety, without the written approval of Core Laboratories.

CORE LABORATORIES

LABORATORY TESTS RESULTS
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 183294 S1
DATE SAMPLED.....: 02/07/96
TIME SAMPLED.....: 14:19
WORK DESCRIPTION...: 183294 S1

LABORATORY I.D...: 960391-0001
DATE RECEIVED....: 02/07/96
TIME RECEIVED....: 16:45
REMARKS.....: SAMPLED BY J.L. / S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
GC/MS Volatile Organics		*0.1		EPA SW-846 8260	02/09/96	OP
Acetone	<100.0	100.0	ug/kg	EPA SW-846 8260		
Acrolein	<50.0	50.0	ug/kg	EPA SW-846 8260		
Acrylonitrile	<50.0	50.0	ug/kg	EPA SW-846 8260		
Benzene	<5.0	5.0	ug/kg	EPA SW-846 8260		
Bromodichloromethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
Bromoform	<5.0	5.0	ug/kg	EPA SW-846 8260		
Bromomethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
Methyl ethyl ketone	<50.0	50.0	ug/kg	EPA SW-846 8260		
Carbon disulfide	<5.0	5.0	ug/kg	EPA SW-846 8260		
Carbon tetrachloride	<5.0	5.0	ug/kg	EPA SW-846 8260		
Chlorobenzene	<5.0	5.0	ug/kg	EPA SW-846 8260		
Chlorodibromomethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
Chloroethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
2-Chloroethylvinyl ether	<5.0	5.0	ug/kg	EPA SW-846 8260		
Chloroform	<5.0	5.0	ug/kg	EPA SW-846 8260		
Chloromethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
Dibromomethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
Dichlorodifluoromethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,1-Dichloroethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,2-Dichloroethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,1-Dichloroethene	<5.0	5.0	ug/kg	EPA SW-846 8260		
trans-1,2-Dichloroethene	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,2-Dichloropropane	<5.0	5.0	ug/kg	EPA SW-846 8260		
cis-1,3-Dichloropropene	<5.0	5.0	ug/kg	EPA SW-846 8260		
trans-1,3-Dichloropropene	<5.0	5.0	ug/kg	EPA SW-846 8260		
Ethylbenzene	<5.0	5.0	ug/kg	EPA SW-846 8260		
Ethyl methacrylate	<5.0	5.0	ug/kg	EPA SW-846 8260		
Methyl butyl ketone	<5.0	5.0	ug/kg	EPA SW-846 8260		
Iodomethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
Methylene chloride	<50.0	50.0	ug/kg	EPA SW-846 8260		
Methyl isobutyl ketone	<5.0	5.0	ug/kg	EPA SW-846 8260		
Styrene	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,1,2,2-Tetrachloroethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
Tetrachloroethene	<5.0	5.0	ug/kg	EPA SW-846 8260		
Toluene	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,1,1-Trichloroethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,1,2-Trichloroethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
Trichloroethene	<5.0	5.0	ug/kg	EPA SW-846 8260		
Trichlorofluoromethane	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,2,3-Trichloropropane	<5.0	5.0	ug/kg	EPA SW-846 8260		
Vinyl acetate	<5.0	5.0	ug/kg	EPA SW-846 8260		
Vinyl chloride	<5.0	5.0	ug/kg	EPA SW-846 8260		
Total Xylenes	<5.0	5.0	ug/kg	EPA SW-846 8260		

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

LABORATORY TESTS RESULTS
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 183294 S1
DATE SAMPLED.....: 02/07/96
TIME SAMPLED.....: 14:19
WORK DESCRIPTION...: 183294 S1

LABORATORY I.D...: 960391-0001
DATE RECEIVED....: 02/07/96
TIME RECEIVED....: 16:45
REMARKS.....: SAMPLED BY J.L. / S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
cis-1,2-Dichloroethylene	<5.0	5.0	ug/kg	EPA SW-846 8260		
Methyl t-Butyl Ether	<5.0	5.0	ug/kg	EPA SW-846 8260		
Acetonitrile	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,4-Dioxane	<500.0	500.0	ug/kg	EPA SW-846 8260		
Ethyl acetate	<5.0	5.0	ug/kg	EPA SW-846 8260		
Ethyl ether	<5.0	5.0	ug/kg	EPA SW-846 8260		
Methyl methacrylate	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,1,2Trichloro-1,2,2Trifluoroethan	<50.0	50.0	ug/kg	EPA SW-846 8260		
1,2,4-Tri-Methylbenzene	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,3,5-Trimethylbenzene	<5.0	5.0	ug/kg	EPA SW-846 8260		
1,2,3-Trichlorobenzene	<5.0	5.0	ug/kg	EPA SW-846 8260		
1-Methylpyrrolidine	<500.0	500.0	ug/kg	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	104	0	% Recovery	80-120% QC LIMITS		
Toluene d-8 (Surrogate)	101	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	90	0	% Revovery	74-121% QC LIMITS		
GC/MS Semivolatile Organics		*1650		EPA SW-846 8270B	02/17/96	GEF
Acenaphthene	<16500	16500	ug/kg	EPA SW-846 8270B		
Acenaphthylene	<16500	16500	ug/kg	EPA SW-846 8270B		
Anthracene	<16500	16500	ug/kg	EPA SW-846 8270B		
Benzo(a)anthracene	<16500	16500	ug/kg	EPA SW-846 8270B		
Benzo(b)fluoranthene	<16500	16500	ug/kg	EPA SW-846 8270B		
Benzo(k)fluoranthene	<16500	16500	ug/kg	EPA SW-846 8270B		
Benzo(ghi)perylene	<16500	16500	ug/kg	EPA SW-846 8270B		
Benzo(a)pyrene	<16500	16500	ug/kg	EPA SW-846 8270B		
Benzyl Alcohol	<33000	33000	ug/kg	EPA SW-846 8270B		
Bis(2-chloroethoxy)methane	<16500	16500	ug/kg	EPA SW-846 8270B		
Bis(2-chloroethyl)ether	<16500	16500	ug/kg	EPA SW-846 8270B		
Bis(2-chloroisopropyl)ether	<16500	16500	ug/kg	EPA SW-846 8270B		
Bis(2-ethylhexyl) phthalate	<82500	82500	ug/kg	EPA SW-846 8270B		
4-Bromophenyl phenyl ether	<16500	16500	ug/kg	EPA SW-846 8270B		
Butyl benzyl phthalate	<16500	16500	ug/kg	EPA SW-846 8270B		
4-Chloroaniline	<33000	33000	ug/kg	EPA SW-846 8270B		
4-Chloro-3-methylphenol	<33000	33000	ug/kg	EPA SW-846 8270B		
2-Chloronaphthalene	<16500	16500	ug/kg	EPA SW-846 8270B		
2-Chlorophenol	<16500	16500	ug/kg	EPA SW-846 8270B		
4-Chlorophenyl phenyl ether	<16500	16500	ug/kg	EPA SW-846 8270B		
Chrysene	<16500	16500	ug/kg	EPA SW-846 8270B		
1,2-Dichlorobenzene	<16500	16500	ug/kg	EPA SW-846 8270B		
1,3-Dichlorobenzene	<16500	16500	ug/kg	EPA SW-846 8270B		
1,4-Dichlorobenzene	<16500	16500	ug/kg	EPA SW-846 8270B		
3,3'-Dichlorobenzidine	<33000	33000	ug/kg	EPA SW-846 8270B		
2,4-Dichlorophenol	<16500	16500	ug/kg	EPA SW-846 8270B		
Dibenzo(a,h)anthracene	<16500	16500	ug/kg	EPA SW-846 8270B		

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

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CORE LABORATORIES

LABORATORY TESTS RESULTS
02/27/96

JOB NUMBER: 960391 CUSTOMER: TWRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 183294 S1
DATE SAMPLED.....: 02/07/96
TIME SAMPLED.....: 14:19
WORK DESCRIPTION...: 183294 S1

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REMARKS.....: SAMPLED BY J.L. / S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Dibenzofuran	<16500	16500	ug/kg	EPA SW-846 8270B		
Diethyl phthalate	<16500	16500	ug/kg	EPA SW-846 8270B		
2,4-Dimethylphenol	<16500	16500	ug/kg	EPA SW-846 8270B		
Dimethyl phthalate	<16500	16500	ug/kg	EPA SW-846 8270B		
4,6-Dinitro-2-methylphenol	<82500	82500	ug/kg	EPA SW-846 8270B		
2,4-Dinitrophenol	<82500	82500	ug/kg	EPA SW-846 8270B		
2,4-Dinitrotoluene	<16500	16500	ug/kg	EPA SW-846 8270B		
2,6-Dinitrotoluene	<16500	16500	ug/kg	EPA SW-846 8270B		
Di-n-octyl phthalate	<16500	16500	ug/kg	EPA SW-846 8270B		
Fluorene	<16500	16500	ug/kg	EPA SW-846 8270B		
Fluoranthene	<16500	16500	ug/kg	EPA SW-846 8270B		
Hexachlorobenzene	<16500	16500	ug/kg	EPA SW-846 8270B		
Hexachlorobutadiene	<16500	16500	ug/kg	EPA SW-846 8270B		
Hexachlorocyclopentadiene	<16500	16500	ug/kg	EPA SW-846 8270B		
Hexachloroethane	<16500	16500	ug/kg	EPA SW-846 8270B		
Ideno(1,2,3-cd)pyrene	<16500	16500	ug/kg	EPA SW-846 8270B		
Isophorone	<16500	16500	ug/kg	EPA SW-846 8270B		
2-Methylnaphthalene	31000	16500	ug/kg	EPA SW-846 8270B		
2-Nitroaniline	<82500	82500	ug/kg	EPA SW-846 8270B		
3-Nitroaniline	<82500	82500	ug/kg	EPA SW-846 8270B		
4-Nitroaniline	<33000	33000	ug/kg	EPA SW-846 8270B		
2-Nitrophenol	<16500	16500	ug/kg	EPA SW-846 8270B		
4-Nitrophenol	<82500	82500	ug/kg	EPA SW-846 8270B		
N-Nitrosodi-n-propylamine	<16500	16500	ug/kg	EPA SW-846 8270B		
N-Nitrosodiphenylamine	<16500	16500	ug/kg	EPA SW-846 8270B		
Naphthalene	<16500	16500	ug/kg	EPA SW-846 8270B		
Nitrobenzene	<16500	16500	ug/kg	EPA SW-846 8270B		
Pentachlorophenol	<82500	82500	ug/kg	EPA SW-846 8270B		
Phenanthrene	20000	16500	ug/kg	EPA SW-846 8270B		
Phenol	<16500	16500	ug/kg	EPA SW-846 8270B		
Pyrene	<16500	16500	ug/kg	EPA SW-846 8270B		
1,2,4-Trichlorobenzene	<16500	16500	ug/kg	EPA SW-846 8270B		
2,4,5-Trichlorophenol	<16500	16500	ug/kg	EPA SW-846 8270B		
2,4,6-Trichlorophenol	<16500	16500	ug/kg	EPA SW-846 8270B		
Di-n-butyl phthalate	<16500	16500	ug/kg	EPA SW-846 8270B		
Aniline	<16500	16500	ug/kg	EPA SW-846 8270B		
o-Cresol	<16500	16500	ug/kg	EPA SW-846 8270B		
p,m-Cresol	<16500	16500	ug/kg	EPA SW-846 8270B		
2-Naphthylamine	<16500	16500	ug/kg	EPA SW-846 8270B		
Phthalic anhydride	<16500	16500	ug/kg	EPA SW-846 8270B		
Pyridine	<16500	16500	ug/kg	EPA SW-846 8270B		
2-Fluorophenol (Surrogate)	90	0	% Recovery	25-121% QC LIMITS		
Phenol-d6 (Surrogate)	129	0	% Recovery	24-113% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	115	0	% Recovery	23-120% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	140	0	% Recovery	30-115% QC LIMITS		

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
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CORE LABORATORIES

LABORATORY TESTS RESULTS
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 183294 S1
DATE SAMPLED.....: 02/07/96
TIME SAMPLED.....: 14:19
WORK DESCRIPTION...: 183294 S1

LABORATORY I.D...: 960391-0001
DATE RECEIVED....: 02/07/96
TIME RECEIVED....: 16:45
REMARKS.....: SAMPLED BY J.L. / S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
2,4,6-Tribromophenol(Surrogate)	135	0	% Recovery	19-122% QC LIMITS		
Terphenyl-d14 (Surrogate)	148	0	% Recovery	18-137% QC LIMITS		
TCLP Semivolatiles		*1		EPA SW-846 8270B	02/16/96	GEF
1,4-Dichlorobenzene	<10	10	ug/L	EPA SW-846 8270B		
2,4-Dinitrotoluene	<10	10	ug/L	EPA SW-846 8270B		
Hexachlorobenzene	<10	10	ug/L	EPA SW-846 8270B		
Hexachlorobutadiene	<10	10	ug/L	EPA SW-846 8270B		
Hexachloroethane	<10	10	ug/L	EPA SW-846 8270B		
Nitrobenzene	<10	10	ug/L	EPA SW-846 8270B		
Pentachlorophenol	<50	50	ug/L	EPA SW-846 8270B		
2,4,5-Trichlorophenol	<10	10	ug/L	EPA SW-846 8270B		
2,4,6-Trichlorophenol	<10	10	ug/L	EPA SW-846 8270B		
Pyridine	<10	10	ug/L	EPA SW-846 8270B		
p,m-Cresol	<10	10	ug/L	EPA SW-846 8270B		
o-Cresol	<10	10	ug/L	EPA SW-846 8270B		
2-Fluorophenol (Surrogate)	69	0	% Recovery	21-100% QC LIMITS		
Phenol-d6 (Surrogate)	103	0	% Recovery	10-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	74	0	% Recovery	35-114% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	72	0	% Recovery	43-116% QC LIMITS		
2,4,6-Tribromophenol(Surrogate)	112	0	% Recovery	10-123% QC LIMITS		
Terphenyl-d14 (Surrogate)	75	0	% Recovery	33-141% QC LIMITS		
TCLP Volatiles		*10		EPA SW-846 8260	02/14/96	QP
Benzene	<50	50	ug/L	EPA SW-846 8260		
Carbon tetrachloride	<50	50	ug/L	EPA SW-846 8260		
Chlorobenzene	<50	50	ug/L	EPA SW-846 8260		
Chloroform	<50	50	ug/L	EPA SW-846 8260		
Methyl ethyl ketone	<500	500	ug/L	EPA SW-846 8260		
Trichloroethene	<50	50	ug/L	EPA SW-846 8260		
Vinyl chloride	<40	40	ug/L	EPA SW-846 8260		
1,2-Dichloroethane	<50	50	ug/L	EPA SW-846 8260		
Tetrachloroethene	<50	50	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<50	50	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	103	0	% Recovery	86-118% QC LIMITS		
Toluene d-8 (Surrogate)	108	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	97	0	% Recovery	86-115% QC LIMITS		
Extraction - Semivolatiles (BNA)	Completed			EPA SW-846 3520	02/13/96	WEB
Extraction - TCLP Semivolatiles	Completed			EPA SW-846 3520	02/12/96	WEB
Glass Jar Extraction for Metals	Completed			EPA SW-846 1311	02/08/96	DGP

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
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CORE LABORATORIES

LABORATORY TESTS RESULTS
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 183294 S1
DATE SAMPLED.....: 02/07/96
TIME SAMPLED.....: 14:19
WORK DESCRIPTION...: 183294 S1

LABORATORY I.D...: 960391-0001
DATE RECEIVED....: 02/07/96
TIME RECEIVED....: 16:45
REMARKS.....: SAMPLED BY J.L. / S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Glass Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	02/08/96	DGP
Arsenic (As), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/13/96	GCC
Barium (Ba), extractable TCLP	0.34	0.05	mg/L	EPA SW-846 6010A	02/13/96	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/13/96	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/13/96	GCC
Lead (Pb), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/13/96	GCC
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/13/96	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/13/96	GCC
Total Organic Halogens	400	150	ppm	EPA SW-846 9076	02/21/96	EBS
Mercury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	02/13/96	EBS
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010A	02/12/96	SLW
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	02/13/96	DGP

1733 NORTH PADRE ISLAND DRIVE
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35 007

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CORE LABORATORIES

LABORATORY TESTS RESULTS
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 183295 S2
DATE SAMPLED.....: 02/07/96
TIME SAMPLED.....: 14:40
WORK DESCRIPTION...: 183295 S2

LABORATORY I.D...: 960391-0002
DATE RECEIVED....: 02/07/96
TIME RECEIVED....: 16:45
REMARKS.....: SAMPLED BY J.L. / S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
GC/MS Volatile Organics		*12.5		EPA SW-846 8260	02/09/96	QP
Acetone	<12500	12500	ug/kg	EPA SW-846 8260		
Acrolein	<6250	6250	ug/kg	EPA SW-846 8260		
Acrylonitrile	<6250	6250	ug/kg	EPA SW-846 8260		
Benzene	<625	625	ug/kg	EPA SW-846 8260		
Bromodichloromethane	<625	625	ug/kg	EPA SW-846 8260		
Bromoform	<625	625	ug/kg	EPA SW-846 8260		
Bromomethane	<625	625	ug/kg	EPA SW-846 8260		
Methyl ethyl ketone	<6250	6250	ug/kg	EPA SW-846 8260		
Carbon disulfide	<625	625	ug/kg	EPA SW-846 8260		
Carbon tetrachloride	<625	625	ug/kg	EPA SW-846 8260		
Chlorobenzene	<625	625	ug/kg	EPA SW-846 8260		
Chlorodibromomethane	<625	625	ug/kg	EPA SW-846 8260		
Chloroethane	<625	625	ug/kg	EPA SW-846 8260		
2-Chloroethylvinyl ether	<625	625	ug/kg	EPA SW-846 8260		
Chloroform	<625	625	ug/kg	EPA SW-846 8260		
Chloromethane	<625	625	ug/kg	EPA SW-846 8260		
Dibromomethane	<625	625	ug/kg	EPA SW-846 8260		
Dichlorodifluoromethane	<625	625	ug/kg	EPA SW-846 8260		
1,1-Dichloroethane	<625	625	ug/kg	EPA SW-846 8260		
1,2-Dichloroethane	<625	625	ug/kg	EPA SW-846 8260		
1,1-Dichloroethene	<625	625	ug/kg	EPA SW-846 8260		
trans-1,2-Dichloroethene	<625	625	ug/kg	EPA SW-846 8260		
1,2-Dichloropropane	<625	625	ug/kg	EPA SW-846 8260		
cis-1,3-Dichloropropene	<625	625	ug/kg	EPA SW-846 8260		
trans-1,3-Dichloropropene	<625	625	ug/kg	EPA SW-846 8260		
Ethylbenzene	<625	625	ug/kg	EPA SW-846 8260		
Ethyl methacrylate	<625	625	ug/kg	EPA SW-846 8260		
Methyl butyl ketone	<625	625	ug/kg	EPA SW-846 8260		
Iodomethane	<625	625	ug/kg	EPA SW-846 8260		
Methylene chloride	<6250	6250	ug/kg	EPA SW-846 8260		
Methyl isobutyl ketone	<625	625	ug/kg	EPA SW-846 8260		
Styrene	<625	625	ug/kg	EPA SW-846 8260		
1,1,2,2-Tetrachloroethane	<625	625	ug/kg	EPA SW-846 8260		
Tetrachloroethene	1100	625	ug/kg	EPA SW-846 8260		
Toluene	3700	625	ug/kg	EPA SW-846 8260		
1,1,1-Trichloroethane	<625	625	ug/kg	EPA SW-846 8260		
1,1,2-Trichloroethane	<625	625	ug/kg	EPA SW-846 8260		
Trichloroethene	<625	625	ug/kg	EPA SW-846 8260		
Trichlorofluoromethane	<625	625	ug/kg	EPA SW-846 8260		
1,2,3-Trichloropropane	<625	625	ug/kg	EPA SW-846 8260		
Vinyl acetate	<625	625	ug/kg	EPA SW-846 8260		
Vinyl chloride	<625	625	ug/kg	EPA SW-846 8260		
Total Xylenes	1100	625	ug/kg	EPA SW-846 8260		

1733 NORTH PADRE ISLAND DRIVE
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LABORATORY TESTS RESULTS
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 183295 S2
DATE SAMPLED.....: 02/07/96
TIME SAMPLED.....: 14:40
WORK DESCRIPTION...: 183295 S2

LABORATORY I.D...: 960391-0002
DATE RECEIVED....: 02/07/96
TIME RECEIVED....: 16:45
REMARKS.....: SAMPLED BY J.L. / S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
cis-1,2-Dichloroethylene	<625	625	ug/kg	EPA SW-846 8260		
Methyl t-Butyl Ether	<625	625	ug/kg	EPA SW-846 8260		
Acetonitrile	<625	625	ug/kg	EPA SW-846 8260		
1,4-Dioxane	<62500	62500	ug/kg	EPA SW-846 8260		
Ethyl acetate	<625	625	ug/kg	EPA SW-846 8260		
Ethyl ether	<625	625	ug/kg	EPA SW-846 8260		
Methyl methacrylate	<625	625	ug/kg	EPA SW-846 8260		
1,1,2Trichloro-1,2,2Trifluoroethan	<6250	6250	ug/kg	EPA SW-846 8260		
1,2,4-Tri-Methylbenzene	1800	625	ug/kg	EPA SW-846 8260		
1,3,5-Trimethylbenzene	1100	625	ug/kg	EPA SW-846 8260		
1,2,3-Trichlorobenzene	<625	625	ug/kg	EPA SW-846 8260		
1-Methylpyrrolidine	<62500	62500	ug/kg	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	104	0	% Recovery	80-120% QC LIMITS		
Toluene d-8 (Surrogate)	98	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	105	0	% Revovery	74-121% QC LIMITS		
GC/MS Semivolatile Organics		*200		EPA SW-846 8270B	02/19/96	GEF
Acenaphthene	<2000	2000	mg/kg	EPA SW-846 8270B		
Acenaphthylene	<2000	2000	mg/kg	EPA SW-846 8270B		
Anthracene	<2000	2000	mg/kg	EPA SW-846 8270B		
Benzo(a)anthracene	<2000	2000	mg/kg	EPA SW-846 8270B		
Benzo(b)fluoranthene	<2000	2000	mg/kg	EPA SW-846 8270B		
Benzo(k)fluoranthene	<2000	2000	mg/kg	EPA SW-846 8270B		
Benzo(ghi)perylene	<2000	2000	mg/kg	EPA SW-846 8270B		
Benzo(a)pyrene	<2000	2000	mg/kg	EPA SW-846 8270B		
Benzyl Alcohol	<4000	4000	mg/kg	EPA SW-846 8270B		
Bis(2-chloroethoxy)methane	<2000	2000	mg/kg	EPA SW-846 8270B		
Bis(2-chloroethyl)ether	<2000	2000	mg/kg	EPA SW-846 8270B		
Bis(2-chloroisopropyl)ether	<2000	2000	mg/kg	EPA SW-846 8270B		
Bis(2-ethylhexyl) phthalate	<2000	2000	mg/kg	EPA SW-846 8270B		
4-Bromophenyl phenyl ether	<2000	2000	mg/kg	EPA SW-846 8270B		
Butyl benzyl phthalate	<2000	2000	mg/kg	EPA SW-846 8270B		
4-Chloroaniline	<4000	4000	mg/kg	EPA SW-846 8270B		
4-Chloro-3-methylphenol	<4000	4000	mg/kg	EPA SW-846 8270B		
2-Chloronaphthalene	<2000	2000	mg/kg	EPA SW-846 8270B		
2-Chlorophenol	<2000	2000	mg/kg	EPA SW-846 8270B		
4-Chlorophenyl phenyl ether	<2000	2000	mg/kg	EPA SW-846 8270B		
Chrysene	<2000	2000	mg/kg	EPA SW-846 8270B		
1,2-Dichlorobenzene	<2000	2000	mg/kg	EPA SW-846 8270B		
1,3-Dichlorobenzene	<2000	2000	mg/kg	EPA SW-846 8270B		
1,4-Dichlorobenzene	<2000	2000	mg/kg	EPA SW-846 8270B		
3,3'-Dichlorobenzidine	<4000	4000	mg/kg	EPA SW-846 8270B		
2,4-Dichlorophenol	<2000	2000	mg/kg	EPA SW-846 8270B		
Dibenzo(a,h)anthracene	<2000	2000	mg/kg	EPA SW-846 8270B		

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LABORATORY TESTS RESULTS
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 183295 S2
DATE SAMPLED.....: 02/07/96
TIME SAMPLED.....: 14:40
WORK DESCRIPTION...: 183295 S2

LABORATORY I.D...: 960391-0002
DATE RECEIVED....: 02/07/96
TIME RECEIVED....: 16:45
REMARKS.....: SAMPLED BY J.L. / S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Dibenzofuran	<2000	2000	mg/kg	EPA SW-846 8270B		
Diethyl phthalate	<2000	2000	mg/kg	EPA SW-846 8270B		
2,4-Dimethylphenol	<2000	2000	mg/kg	EPA SW-846 8270B		
Dimethyl phthalate	<2000	2000	mg/kg	EPA SW-846 8270B		
4,6-Dinitro-2-methylphenol	<10000	10000	mg/kg	EPA SW-846 8270B		
2,4-Dinitrophenol	<10000	10000	mg/kg	EPA SW-846 8270B		
2,4-Dinitrotoluene	<2000	2000	mg/kg	EPA SW-846 8270B		
2,6-Dinitrotoluene	<2000	2000	mg/kg	EPA SW-846 8270B		
Di-n-octyl phthalate	<2000	2000	mg/kg	EPA SW-846 8270B		
Fluorene	<2000	2000	mg/kg	EPA SW-846 8270B		
Fluoranthene	<2000	2000	mg/kg	EPA SW-846 8270B		
Hexachlorobenzene	<2000	2000	mg/kg	EPA SW-846 8270B		
Hexachlorobutadiene	<2000	2000	mg/kg	EPA SW-846 8270B		
Hexachlorocyclopentadiene	<2000	2000	mg/kg	EPA SW-846 8270B		
Hexachloroethane	<2000	2000	mg/kg	EPA SW-846 8270B		
Ideno(1,2,3-cd)pyrene	<2000	2000	mg/kg	EPA SW-846 8270B		
Isophorone	<2000	2000	mg/kg	EPA SW-846 8270B		
2-Methylnaphthalene	<2000	2000	mg/kg	EPA SW-846 8270B		
2-Nitroaniline	<10000	10000	mg/kg	EPA SW-846 8270B		
3-Nitroaniline	<10000	10000	mg/kg	EPA SW-846 8270B		
4-Nitroaniline	<4000	4000	mg/kg	EPA SW-846 8270B		
2-Nitrophenol	<2000	2000	mg/kg	EPA SW-846 8270B		
4-Nitrophenol	<10000	10000	mg/kg	EPA SW-846 8270B		
N-Nitrosodi-n-propylamine	<2000	2000	mg/kg	EPA SW-846 8270B		
N-Nitrosodiphenylamine	<2000	2000	mg/kg	EPA SW-846 8270B		
Naphthalene	<2000	2000	mg/kg	EPA SW-846 8270B		
Nitrobenzene	<2000	2000	mg/kg	EPA SW-846 8270B		
Pentachlorophenol	<10000	10000	mg/kg	EPA SW-846 8270B		
Phenanthrene	<2000	2000	mg/kg	EPA SW-846 8270B		
Phenol	<2000	2000	mg/kg	EPA SW-846 8270B		
Pyrene	<2000	2000	mg/kg	EPA SW-846 8270B		
1,2,4-Trichlorobenzene	<2000	2000	mg/kg	EPA SW-846 8270B		
2,4,5-Trichlorophenol	<2000	2000	mg/kg	EPA SW-846 8270B		
2,4,6-Trichlorophenol	<2000	2000	mg/kg	EPA SW-846 8270B		
Di-n-butyl phthalate	<2000	2000	mg/kg	EPA SW-846 8270B		
Aniline	<2000	2000	mg/kg	EPA SW-846 8270B		
o-Cresol	<2000	2000	mg/kg	EPA SW-846 8270B		
p,m-Cresol	<2000	2000	mg/kg	EPA SW-846 8270B		
2-Naphthylamine	<2000	2000	mg/kg	EPA SW-846 8270B		
Phthalic anhydride	<2000	2000	mg/kg	EPA SW-846 8270B		
Pyridine	<2000	2000	mg/kg	EPA SW-846 8270B		
2-Fluorophenol (Surrogate)	110	0	% Recovery	25-121% QC LIMITS		
Phenol-d6 (Surrogate)	116	0	% Recovery	24-113% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	89	0	% Recovery	23-120% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	119	0	% Recovery	30-115% QC LIMITS		

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LABORATORY TESTS RESULTS
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST MEYER

CLIENT I.D.....: 183295 S2
DATE SAMPLED.....: 02/07/96
TIME SAMPLED.....: 14:40
WORK DESCRIPTION...: 183295 S2

LABORATORY I.D...: 960391-0002
DATE RECEIVED....: 02/07/96
TIME RECEIVED....: 16:45
REMARKS.....: SAMPLED BY J.L. / S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
2,4,6-Tribromophenol(Surrogate)	83	0	% Recovery	19-122% QC LIMITS		
Terphenyl-d14 (Surrogate)	118	0	% Recovery	18-137% QC LIMITS		
TCLP Semivolatiles		*200		EPA SW-846 8270B	02/19/96	GEF
1,4-Dichlorobenzene	<2000	2000	mg/L	EPA SW-846 8270B		
2,4-Dinitrotoluene	<2000	2000	mg/L	EPA SW-846 8270B		
Hexachlorobenzene	<2000	2000	mg/L	EPA SW-846 8270B		
Hexachlorobutadiene	<2000	2000	mg/L	EPA SW-846 8270B		
Hexachloroethane	<2000	2000	mg/L	EPA SW-846 8270B		
Nitrobenzene	<2000	2000	mg/L	EPA SW-846 8270B		
Pentachlorophenol	<10000	10000	mg/L	EPA SW-846 8270B		
2,4,5-Trichlorophenol	<2000	2000	mg/L	EPA SW-846 8270B		
2,4,6-Trichlorophenol	<2000	2000	mg/L	EPA SW-846 8270B		
Pyridine	<2000	2000	mg/L	EPA SW-846 8270B		
p,m-Cresol	<2000	2000	mg/L	EPA SW-846 8270B		
o-Cresol	<2000	2000	mg/L	EPA SW-846 8270B		
2-Fluorophenol (Surrogate)	104	0	% Recovery	21-100% QC LIMITS		
Phenol-d6 (Surrogate)	102	0	% Recovery	10-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	84	0	% Recovery	35-114% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	113	0	% Recovery	43-116% QC LIMITS		
2,4,6-Tribromophenol(Surrogate)	83	0	% Recovery	10-123% QC LIMITS		
Terphenyl-d14 (Surrogate)	113	0	% Recovery	33-141% QC LIMITS		
TCLP Volatiles		*500		EPA SW-846 8260	02/14/96	QP
Benzene	<2500	2500	ug/L	EPA SW-846 8260		
Carbon tetrachloride	<2500	2500	ug/L	EPA SW-846 8260		
Chlorobenzene	<2500	2500	ug/L	EPA SW-846 8260		
Chloroform	<2500	2500	ug/L	EPA SW-846 8260		
Methyl ethyl ketone	<25000	25000	ug/L	EPA SW-846 8260		
Trichloroethene	<2500	2500	ug/L	EPA SW-846 8260		
Vinyl chloride	<2000	2000	ug/L	EPA SW-846 8260		
1,2-Dichloroethane	<2500	2500	ug/L	EPA SW-846 8260		
Tetrachloroethene	<2500	2500	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<2500	2500	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	98	0	% Recovery	86-118% QC LIMITS		
Toluene d-8 (Surrogate)	108	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	100	0	% Recovery	86-115% QC LIMITS		
Extraction - Semivolatiles (BNA)	Completed			EPA SW-846 3580	02/19/96	
Extraction - TCLP Semivolatiles	Completed			EPA SW-846 3520	02/15/96	WEB
Glass Jar Extraction for Metals	Completed			EPA SW-846 1311	02/08/96	DGP

1733 NORTH PADRE ISLAND DRIVE
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LABORATORY TESTS RESULTS

02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 183295 S2
DATE SAMPLED.....: 02/07/96
TIME SAMPLED.....: 14:40
WORK DESCRIPTION...: 183295 S2

LABORATORY I.D...: 960391-0002
DATE RECEIVED....: 02/07/96
TIME RECEIVED....: 16:45
REMARKS.....: SAMPLED BY J.L. / S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Glass Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	02/08/96	DGP
Arsenic (As), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Barium (Ba), extractable TCLP	0.08	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Lead (Pb), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Extractable Organic Halogens	50	20	ppm	UOP 779-77	02/21/96	EBS
Mercury (Hg), extractable, TCLP	<0.070	0.070	mg/L	EPA SW-846 7470	02/19/96	EBS
Metals Digest on Extracted Sample	Completed			EPA SW-846 3051	02/14/96	SLW
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	02/13/96	DGP

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LABORATORY TESTS RESULTS
02/27/96

OB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

LIENT I.D.....: 183295 S2
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ORK DESCRIPTION...: 183295 S2

LABORATORY I.D...: 960391-0002
DATE RECEIVED....: 02/07/96
TIME RECEIVED....: 16:45
REMARKS.....: SAMPLED BY J.L. / S.C.

EST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
2,4,6-Tribromophenol(Surrogate)	83	0	% Recovery	19-122% QC LIMITS		
Terphenyl-d14 (Surrogate)	118	0	% Recovery	18-137% QC LIMITS		
CLP Semivolatiles		*200		EPA SW-846 8270B	02/19/96	GEF
1,4-Dichlorobenzene	<2000	2000	mg/L	EPA SW-846 8270B		
2,4-Dinitrotoluene	<2000	2000	mg/L	EPA SW-846 8270B		
Hexachlorobenzene	<2000	2000	mg/L	EPA SW-846 8270B		
Hexachlorobutadiene	<2000	2000	mg/L	EPA SW-846 8270B		
Hexachloroethane	<2000	2000	mg/L	EPA SW-846 8270B		
Nitrobenzene	<2000	2000	mg/L	EPA SW-846 8270B		
Pentachlorophenol	<10000	10000	mg/L	EPA SW-846 8270B		
2,4,5-Trichlorophenol	<2000	2000	mg/L	EPA SW-846 8270B		
2,4,6-Trichlorophenol	<2000	2000	mg/L	EPA SW-846 8270B		
Pyridine	<2000	2000	mg/L	EPA SW-846 8270B		
p,m-Cresol	<2000	2000	mg/L	EPA SW-846 8270B		
o-Cresol	<2000	2000	mg/L	EPA SW-846 8270B		
2-Fluorophenol (Surrogate)	104	0	% Recovery	21-100% QC LIMITS		
Phenol-d6 (Surrogate)	102	0	% Recovery	10-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	84	0	% Recovery	35-114% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	113	0	% Recovery	43-116% QC LIMITS		
2,4,6-Tribromophenol(Surrogate)	83	0	% Recovery	10-123% QC LIMITS		
Terphenyl-d14 (Surrogate)	113	0	% Recovery	33-141% QC LIMITS		
TCLP Volatiles		*500		EPA SW-846 8260	02/14/96	QP
Benzene	<2500	2500	ug/L	EPA SW-846 8260		
Carbon tetrachloride	<2500	2500	ug/L	EPA SW-846 8260		
Chlorobenzene	<2500	2500	ug/L	EPA SW-846 8260		
Chloroform	<2500	2500	ug/L	EPA SW-846 8260		
Methyl ethyl ketone	<25000	25000	ug/L	EPA SW-846 8260		
Trichloroethene	<2500	2500	ug/L	EPA SW-846 8260		
Vinyl chloride	<2000	2000	ug/L	EPA SW-846 8260		
1,2-Dichloroethane	<2500	2500	ug/L	EPA SW-846 8260		
Tetrachloroethene	<2500	2500	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<2500	2500	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	98	0	% Recovery	86-118% QC LIMITS		
Toluene d-8 (Surrogate)	108	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	100	0	% Recovery	86-115% QC LIMITS		
Extraction - Semivolatiles (BNA)	Completed			EPA SW-846 3580	02/19/96	
Extraction - TCLP Semivolatiles	Completed			EPA SW-846 3520	02/15/96	WEB
Glass Jar Extraction for Metals	Completed			EPA SW-846 1311	02/08/96	DGP

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CORPUS CHRISTI, TX 78408
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LABORATORY TESTS RESULTS
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 183295 S2
DATE SAMPLED.....: 02/07/96
TIME SAMPLED.....: 14:40
WORK DESCRIPTION...: 183295 S2

LABORATORY I.D...: 960391-0002
DATE RECEIVED....: 02/07/96
TIME RECEIVED....: 16:45
REMARKS.....: SAMPLED BY J.L. / S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Glass Jar Extraction-Semivolatiles	Completed			EPA SW-846 1311	02/08/96	DGP
Arsenic (As), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Barium (Ba), extractable TCLP	0.08	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Lead (Pb), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Selenium (Se), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Silver (Ag), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	02/14/96	GCC
Extractable Organic Halogens	50	20	ppm	UOP 779-77	02/21/96	EBS
Mercury (Hg), extractable, TCLP	<0.070	0.070	mg/L	EPA SW-846 7470	02/19/96	EBS
Metals Digest on Extracted Sample	Completed			EPA SW-846 3051	02/14/96	SLW
Zero Headspace Extraction-Volatile	Completed			EPA SW-846 1311	02/13/96	DGP

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QUALITY ASSURANCE REPORT

02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST MEYER

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES		
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
PARAMETER:Mercury (Hg), extractable, TCLP REPORTING LIMIT/DF: 0.002 UNITS:mg/L				DATE/TIME ANALYZED:02/13/96 07:00 METHOD REFERENCE :EPA SW-846 7470					QC BATCH NUMBER:100914 TECHNICIAN:EBS	
BLANK	MB	DI H20	<0.002							
STANDARD	RS	507.5.2	0.021			0.020	105			
SPIKE	MS	960377-1	0.051					0.002	0.050	98
DUPLICATE	MD	960396-1	0.003	0.003	0.000					
PARAMETER:Arsenic (As), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/13/96 16:51 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:100938 TECHNICIAN:GCC	
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	CCV	1013C	5.10			5.00	102			
STANDARD	ICV	Q1095	1.05			1.00	105			
SPIKE	MS	960391-001	1.15					<0.05	1.00	115
DUPLICATE	MD	960396-001	<0.05	<0.05	NC					
DUPLICATE	MD	960391-001	<0.05	<0.05	NC					
PARAMETER:Barium (Ba), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/13/96 16:51 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:100939 TECHNICIAN:GCC	
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	CCV	1013C	5.09			5.00	102			
STANDARD	ICV	1023C	1.04			1.00	104			
SPIKE	MS	960391-001	1.45					0.34	1.00	111
DUPLICATE	MD	960391-001	0.34	0.34	0					
PARAMETER:Cadmium (Cd), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/13/96 16:51 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:100940 TECHNICIAN:GCC	
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	CCV	1013C	5.07			5.00	101			
STANDARD	ICV	Q1095	1.03			1.00	103			
SPIKE	MS	960391-001	1.10					<0.05	1.00	110
DUPLICATE	MD	960396-001	0.26	0.23	12					
DUPLICATE	MD	960391-001	<0.05	<0.05	NC					
PARAMETER:Chromium (Cr), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/13/96 16:51 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:100941 TECHNICIAN:GCC	
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	CCV	1013C	5.09			5.00	102			
STANDARD	ICV	Q1095	1.04			1.00	104			
SPIKE	MS	960391-001	1.07					<0.05	1.00	107
DUPLICATE	MD	960396-001	<0.05	<0.05	NC					

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QUALITY ASSURANCE REPORT

02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST MEYER

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES		
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
PARAMETER:Chromium (Cr), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/13/96 16:51 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:100941 TECHNICIAN:GCC	
DUPLICATE	MD	960391-001	<0.05	<0.05	NC					
PARAMETER:Lead (Pb), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/13/96 16:51 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:100942 TECHNICIAN:GCC	
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	CCV	1013C	5.10			5.00	102			
STANDARD	ICV	Q1095	1.04			1.00	104			
SPIKE	MS	960391-001	1.06					<0.05	1.00	106
DUPLICATE	MD	960391-001	<0.05	<0.05	NC					
PARAMETER:Selenium (Se), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/13/96 16:51 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:100943 TECHNICIAN:GCC	
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	CCV	1013C	5.06			5.00	101			
STANDARD	ICV	Q1095	1.00			1.00	100			
SPIKE	MS	960391-001	1.10					<0.05	1.00	110
DUPLICATE	MD	960391-001	<0.05	<0.05	NC					
PARAMETER:Silver (Ag), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/13/96 16:51 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:100944 TECHNICIAN:GCC	
BLANK	MB	3051	<0.05							
BLANK	MB	3010	<0.05							
STANDARD	CCV	1013C	5.04			5.00	101			
STANDARD	ICV	1023C	1.04			1.00	104			
SPIKE	MS	960391-001	1.08					<0.05	1.00	108
DUPLICATE	MD	960396-001	<0.05	<0.05	NC					
DUPLICATE	MD	960391-001	<0.05	<0.05	NC					
PARAMETER:Arsenic (As), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/14/96 16:32 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:101087 TECHNICIAN:GCC	
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	Q1095	1.03			1.00	103			
STANDARD	CCV	1013C	4.99			5.00	100			
SPIKE	MS	960411-001	0.93					<0.05	1.00	93
SPIKE	MS	960445-001	0.94					0.10	1.00	84
DUPLICATE	MD	960411-001	<0.05	<0.05	NC					
DUPLICATE	MD	960377-001	<0.05	<0.05	NC					

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QUALITY ASSURANCE REPORT

02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES		
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
PARAMETER:Barium (Ba), extractable TCLP				DATE/TIME ANALYZED:02/14/96 16:32						QC BATCH NUMBER:101088
REPORTING LIMIT/DF: 0.05 UNITS:mg/L				METHOD REFERENCE : SW-846 6010A						TECHNICIAN:GCC
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	CCV	1013C	4.87			5.00	97			
STANDARD	ICV	1023C	0.98			1.00	98			
SPIKE	MS	960411-001	1.42					0.39	1.00	103
SPIKE	MS	960408-001	1.72					0.86	1.00	86
DUPLICATE	MD	960391-002	0.08	0.07	0.01					
DUPLICATE	MD	960445-001	0.62	0.61	2					
PARAMETER:Cadmium (Cd), extractable TCLP				DATE/TIME ANALYZED:02/14/96 16:32						QC BATCH NUMBER:101089
REPORTING LIMIT/DF: 0.05 UNITS:mg/L				METHOD REFERENCE : SW-846 6010A						TECHNICIAN:GCC
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	Q1095	1.01			1.00	101			
STANDARD	CCV	1013C	4.97			5.00	99			
SPIKE	MS	960411-001	0.85					<0.05	1.00	85
SPIKE	MS	960408-001	1.24					0.39	1.00	85
DUPLICATE	MD	960411-001	<0.05	<0.05	NC					
DUPLICATE	MD	960431-001	<0.05	<0.05	NC					
PARAMETER:Chromium (Cr), extractable TCLP				DATE/TIME ANALYZED:02/14/96 16:32						QC BATCH NUMBER:101090
REPORTING LIMIT/DF: 0.05 UNITS:mg/L				METHOD REFERENCE : SW-846 6010A						TECHNICIAN:GCC
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	Q1095	1.01			1.00	101			
STANDARD	CCV	1013C	4.96			5.00	99			
SPIKE	MS	960411-001	0.86					<0.05	1.00	86
SPIKE	MS	960445-001	0.83					<0.05	1.00	83
DUPLICATE	MD	960411-001	<0.05	<0.05	NC					
DUPLICATE	MD	960445-001	<0.05	<0.05	NC					
PARAMETER:Lead (Pb), extractable TCLP				DATE/TIME ANALYZED:02/14/96 16:32						QC BATCH NUMBER:101091
REPORTING LIMIT/DF: 0.05 UNITS:mg/L				METHOD REFERENCE : SW-846 6010A						TECHNICIAN:GCC
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	Q1095	1.02			1.00	102			
STANDARD	CCV	1013C	5.02			5.00	100			
SPIKE	MS	960411-001	0.84					<0.05	1.00	84
SPIKE	MS	960445-001	0.83					<0.05	1.00	83

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QUALITY ASSURANCE REPORT

02/27/96

JOB NUMBER: 960391 CUSTOMER: THRCC ATTN: ERNEST HEYER

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES		
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
PARAMETER:Lead (Pb), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/14/96 16:32 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:101091 TECHNICIAN:GCC	
DUPLICATE	MD	960411-001	<0.05	<0.05	NC					
DUPLICATE	MD	960445-001	<0.05	<0.05	NC					
PARAMETER:Selenium (Se), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/14/96 16:32 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:101092 TECHNICIAN:GCC	
BLANK	MB	3010	<0.05							
BLANK	MB	3005	<0.05							
BLANK	MB	3051	<0.05							
STANDARD	ICV	Q1095	1.03			1.00	103			
STANDARD	CCV	1013C	4.92			5.00	98			
SPIKE	MS	960411-001	0.96					<0.05	1.00	96
SPIKE	MS	960408-001	0.92					<0.05	1.00	92
DUPLICATE	MD	960411-001	<0.05	<0.05	NC					
DUPLICATE	MD	960391-002	<0.05	<0.05	NC					
PARAMETER:Silver (Ag), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/14/96 16:32 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:101093 TECHNICIAN:GCC	
BLANK	MB	3010	<0.05							
BLANK	MB	3051	<0.05							
BLANK	MB	3005	<0.05							
STANDARD	CCV	1013C	4.93			5.00	99			
STANDARD	ICV	1023C	0.98			1.00	98			
SPIKE	MS	960411-001	0.85					<0.05	1.00	85
SPIKE	MS	960408-001	0.86					<0.05	1.00	86
DUPLICATE	MD	960411-001	<0.05	<0.05	NC					
DUPLICATE	MD	960391-002	<0.05	<0.05	NC					
PARAMETER:Mercury (Hg), extractable, TCLP REPORTING LIMIT/DF: 0.002 UNITS:mg/L				DATE/TIME ANALYZED:02/19/96 08:00 METHOD REFERENCE :EPA SW-846 7470					QC BATCH NUMBER:101387 TECHNICIAN:EBS	
BLANK	MB	DI H2O	<0.002							
STANDARD	RS	507.5.2	0.018			0.020	90			
SPIKE	MS	960463-6	0.048					<0.002	0.050	96
DUPLICATE	MD	960463-1	<0.002	<0.002	NC					
PARAMETER:Total Organic Halogens REPORTING LIMIT/DF: 15 UNITS:ppm				DATE/TIME ANALYZED:02/21/96 08:00 METHOD REFERENCE :EPA SW-846 9076					QC BATCH NUMBER:101597 TECHNICIAN:EBS	
BLANK	SB	386.25.9	<15							
STANDARD	RS	507.4.22	518			490	106			
SPIKE	MS	960495-2	1067					<150	1000	107
DUPLICATE	MD	960495-2	<15	<15	NC					

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QUALITY ASSURANCE REPORT

02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

ANALYSIS				DUPLICATES		REFERENCE STANDARDS		MATRIX SPIKES		
ANALYSIS TYPE	ANALYSIS SUB-TYPE	ANALYSIS I.D.	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	TRUE VALUE	PERCENT RECOVERY	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY
PARAMETER:Extractable Organic Halogens REPORTING LIMIT/DF: 20 UNITS:ppm				DATE/TIME ANALYZED:02/21/96 08:00 METHOD REFERENCE :UOP 779-77						QC BATCH NUMBER:101646 TECHNICIAN:EBS
BLANK	MB	386.22.11	<20							
STANDARD	RS	507.4.22	518			490	106			
SPIKE	MS	960391-2	159					54	100	105
DUPLICATE	MD	960391-2	54	58	4					

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QUALITY ASSURANCE REPORT
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

Volatiles Matrix Spike Compounds DATE ANALYZED: 02/09/96 TIME ANALYZED: 10:15 METHOD: EPA SW-846 8260 QC NUMBER:101117

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Chloromethane	MB	020996	1	<50	50	ug/kg
Vinyl chloride	MB	020996	1	<50	50	ug/kg
1,1-Dichloroethene	MB	020996	1	<10	10	ug/kg
1,1-Dichloroethane	MB	020996	1	<50	50	ug/kg
Chloroform	MB	020996	1	<50	50	ug/kg
Benzene	MB	020996	1	<10	10	ug/kg
Trichloroethene	MB	020996	1	<10	10	ug/kg
1,2-Dichloropropane	MB	020996	1	<50	50	ug/kg
Toluene	MB	020996	1	<10	10	ug/kg
Chlorobenzene	MB	020996	1	<10	10	ug/kg
Ethylbenzene	MB	020996	1	<50	50	ug/kg
Bromoform	MB	020996	1	<50	50	ug/kg
1,1,2,2-Tetrachloroethane	MB	020996	1	<50	50	ug/kg
Acetone	MB	020996	1	<100	100	ug/kg
Acrolein	MB	020996	1	<100	100	ug/kg
Acrylonitrile	MB	020996	1	<100	100	ug/kg
Bromodichloromethane	MB	020996	1	<50	50	ug/kg
Bromomethane	MB	020996	1	<50	50	ug/kg
Methyl ethyl ketone	MB	020996	1	<50	50	ug/kg
Carbon disulfide	MB	020996	1	<50	50	ug/kg
Carbon tetrachloride	MB	020996	1	<50	50	ug/kg
Chlorodibromomethane	MB	020996	1	<50	50	ug/kg
Chloroethane	MB	020996	1	<50	50	ug/kg
2-Chloroethylvinyl ether	MB	020996	1	<50	50	ug/kg
Dibromomethane	MB	020996	1	<50	50	ug/kg
Dichlorodifluoromethane	MB	020996	1	<100	100	ug/kg
1,2-Dichloroethane	MB	020996	1	<50	50	ug/kg
trans-1,2-Dichloroethene	MB	020996	1	<50	50	ug/kg
cis-1,3-Dichloropropene	MB	020996	1	<50	50	ug/kg
trans-1,3-Dichloropropene	MB	020996	1	<50	50	ug/kg
Ethyl methacrylate	MB	020996	1	<50	50	ug/kg
Methyl butyl ketone	MB	020996	1	<50	50	ug/kg
Iodomethane	MB	020996	1	<50	50	ug/kg
Methylene chloride	MB	020996	1	<500	500	ug/kg
Methyl isobutyl ketone	MB	020996	1	<50	50	ug/kg
Styrene	MB	020996	1	<50	50	ug/kg
Tetrachloroethene	MB	020996	1	<50	50	ug/kg
1,1,1-Trichloroethane	MB	020996	1	<50	50	ug/kg
1,1,2-Trichloroethane	MB	020996	1	<50	50	ug/kg
Trichlorofluoromethane	MB	020996	1	<50	50	ug/kg
1,2,3-Trichloropropane	MB	020996	1	<50	50	ug/kg
Vinyl acetate	MB	020996	1	<100	100	ug/kg
Total Xylenes	MB	020996	1	<50	50	ug/kg

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QUALITY ASSURANCE REPORT
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

Volatiles Matrix Spike Compounds DATE ANALYZED: 02/09/96 TIME ANALYZED: 10:15 METHOD: EPA SW-846 8260 QC NUMBER:101117

REFERENCE STANDARDS

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	TRUE VALUE	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
Chloromethane	CC	531.9.11	1	80	100	80	50	ug/kg
Vinyl chloride	CC	531.9.11	1	80	100	80	50	ug/kg
1,1-Dichloroethene	CC	531.9.11	1	96	100	96	10	ug/kg
1,1-Dichloroethane	CC	531.9.11	1	90	100	90	50	ug/kg
Chloroform	CC	531.9.11	1	91	100	91	50	ug/kg
Benzene	CC	531.9.11	1	94	100	94	10	ug/kg
Trichloroethene	CC	531.9.11	1	95	100	95	10	ug/kg
1,2-Dichloropropane	CC	531.9.11	1	94	100	94	50	ug/kg
Toluene	CC	531.9.11	1	92	100	92	10	ug/kg
Chlorobenzene	CC	531.9.11	1	94	100	94	10	ug/kg
Ethylbenzene	CC	531.9.11	1	94	100	94	50	ug/kg
Bromoform	CC	531.9.11	1	106	100	106	50	ug/kg
1,1,2,2-Tetrachloroethane	CC	531.9.11	1	102	100	102	50	ug/kg
Dibromofluoromethane(Surrogate)	CC	531.9.11	1	50	50	100	5	ug/kg
Toluene d-8 (Surrogate)	CC	531.9.11	1	51	50	102	5	ug/kg
4-Bromofluorobenzene(Surrogate)	CC	531.9.11	1	54	50	108	5	ug/kg

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QUALITY ASSURANCE REPORT
02/27/96

JOB NUMBER: 960391 CUSTOMER: TWRCC ATTN: ERNEST HEYER

Volatiles Matrix Spike Compounds DATE ANALYZED: 02/09/96 TIME ANALYZED: 10:15 METHOD: EPA SW-846 8260 QC NUMBER:101117

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
1,1-Dichloroethene	MS	960274-5	1	58	0	50	116	10	ug/kg
	MSD	960274-5	1	59	0	50	118	10	ug/kg
Benzene	MS	960274-5	1	48	0	50	96	10	ug/kg
	MSD	960274-5	1	47	0	50	94	10	ug/kg
Trichloroethene	MS	960274-5	1	45	0	50	90	10	ug/kg
	MSD	960274-5	1	45	0	50	90	10	ug/kg
Toluene	MS	960274-5	1	45	0	50	90	10	ug/kg
	MSD	960274-5	1	43	0	50	86	10	ug/kg
Chlorobenzene	MS	960274-5	1	48	0	50	96	10	ug/kg
	MSD	960274-5	1	44	0	50	88	10	ug/kg
Dibromofluoromethane(Surrogate	MB	020996-00	1	51	0	50	102	5	ug/kg
Toluene d-8 (Surrogate)	MB	020996-00	1	49	0	50	98	5	ug/kg
4-Bromofluorobenzene(Surrogate	MB	020996-00	1	51	0	50	102	5	ug/kg

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QUALITY ASSURANCE REPORT
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

TCLP Volatiles DATE ANALYZED: 02/14/96 TIME ANALYZED: 16:20 METHOD: EPA SW-846 8260 QC NUMBER:101139

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Vinyl chloride	MB	021396	1	<5	5	ug/L
	MB	021396	1	<5	5	ug/L
1,1-Dichloroethene	MB	021396	1	<5	5	ug/L
	MB	021396	1	<5	5	ug/L
Methyl ethyl ketone	MB	021396	1	<50	50	ug/L
	MB	021396	1	<50	50	ug/L
Chloroform	MB	021396	1	<5	5	ug/L
	MB	021396	1	<5	5	ug/L
Carbon tetrachloride	MB	021396	1	<5	5	ug/L
	MB	021396	1	<5	5	ug/L
1,2-Dichloroethane	MB	021396	1	<5	5	ug/L
	MB	021396	1	<5	5	ug/L
Benzene	MB	021396	1	<5	5	ug/L
	MB	021396	1	<5	5	ug/L
Trichloroethene	MB	021396	1	<5	5	ug/L
	MB	021396	1	<5	5	ug/L
Tetrachloroethene	MB	021396	1	<5	5	ug/L
	MB	021396	1	<5	5	ug/L
Chlorobenzene	MB	021396	1	<5	5	ug/L
	MB	021396	1	<5	5	ug/L

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TCLP Volatiles DATE ANALYZED: 02/14/96 TIME ANALYZED: 16:20 METHOD: EPA SW-846 8260 QC NUMBER:101139

REFERENCE STANDARDS

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	TRUE VALUE	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
Vinyl chloride	CC	531.8.6	1	87	100	87	5	ug/L
1,1-Dichloroethene	CC	531.8.6	1	97	100	97	5	ug/L
Methyl ethyl ketone	CC	531.8.6	1	103	100	103	50	ug/L
Chloroform	CC	531.8.6	1	86	100	86	5	ug/L
Carbon tetrachloride	CC	531.8.6	1	112	100	112	5	ug/L
1,2-Dichloroethane	CC	531.8.6	1	103	100	103	5	ug/L
Benzene	CC	531.8.6	1	107	100	107	5	ug/L
Trichloroethene	CC	531.8.6	1	106	100	106	5	ug/L
Tetrachloroethene	CC	531.8.6	1	115	100	115	5	ug/L
Chlorobenzene	CC	531.8.6	1	102	100	102	5	ug/L
Dibromofluoromethane(Surrogate)	CC	531.8.6	1	45	50	90	5	ug/L
Toluene d-8 (Surrogate)	CC	531.8.6	1	55	50	110	5	ug/L
4-Bromofluorobenzene(Surrogate)	CC	531.8.6	1	54	50	108	5	ug/L

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QUALITY ASSURANCE REPORT
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

TCLP Volatiles DATE ANALYZED: 02/14/96 TIME ANALYZED: 16:20 METHOD: EPA SW-846 8260 QC NUMBER:101139

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
Vinyl chloride	MS	960325-1	1	840	0	1000	84	5	ug/L
	MSD	960325-1	1	830	0	1000	83	5	ug/L
1,1-Dichloroethene	MS	960325-1	1	890	0	1000	89	5	ug/L
	MSD	960325-1	1	870	0	1000	87	5	ug/L
Methyl ethyl ketone	MS	960325-1	1	880	0	1000	88	50	ug/L
	MSD	960325-1	1	880	0	1000	88	50	ug/L
Chloroform	MS	960325-1	1	1180	0	1000	118	5	ug/L
	MSD	960325-1	1	1170	0	1000	117	5	ug/L
Carbon tetrachloride	MS	960325-1	1	950	0	1000	95	5	ug/L
	MSD	960325-1	1	970	0	1000	97	5	ug/L
1,2-Dichloroethane	MS	960325-1	1	1000	0	1000	100	5	ug/L
	MSD	960325-1	1	970	0	1000	97	5	ug/L
Benzene	MS	960325-1	1	1020	0	1000	102	5	ug/L
	MSD	960325-1	1	1020	0	1000	102	5	ug/L
Trichloroethene	MS	960325-1	1	950	0	1000	95	5	ug/L
	MSD	960325-1	1	940	0	1000	94	5	ug/L
Tetrachloroethene	MS	960325-1	1	1000	0	1000	100	5	ug/L
	MSD	960325-1	1	1020	0	1000	102	5	ug/L
Chlorobenzene	MS	960325-1	1	970	0	1000	97	5	ug/L
	MSD	960325-1	1	960	0	1000	96	5	ug/L
Dibromofluoromethane(Surrogate	MB	021396-00	1	500	0	500	100	5	ug/L
	MB	021396-00	1	510	0	500	102	5	ug/L
Toluene d-8 (Surrogate)	MB	021396-00	1	550	0	500	110	5	ug/L
	MB	021396-00	1	550	0	500	110	5	ug/L
4-Bromofluorobenzene(Surrogate	MB	021396-00	1	500	0	500	100	5	ug/L
	MB	021396-00	1	490	0	500	98	5	ug/L

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QUALITY ASSURANCE REPORT
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

TCLP SEMIVOLATILES DATE ANALYZED: 02/16/96 TIME ANALYZED: 09:48 METHOD: EPA SW-846 8270B QC NUMBER:101347

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
1,4-Dichlorobenzene	MB	021296	1	<10	10	ug/L
2,4-Dinitrotoluene	MB	021296	1	<10	10	ug/L
Hexachlorobenzene	MB	021296	1	<10	10	ug/L
Hexachlorobutadiene	MB	021296	1	<10	10	ug/L
Hexachloroethane	MB	021296	1	<10	10	ug/L
Nitrobenzene	MB	021296	1	<10	10	ug/L
Pentachlorophenol	MB	021296	1	<50	50	ug/L
2,4,5-Trichlorophenol	MB	021296	1	<10	10	ug/L
2,4,6-Trichlorophenol	MB	021296	1	<10	10	ug/L
Pyridine	MB	021296	1	<10	10	ug/L
Cresols (Total)	MB	021296	1	<30	30	ug/L

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QUALITY ASSURANCE REPORT

02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

TCLP SEMIVOLATILES DATE ANALYZED: 02/16/96 TIME ANALYZED: 09:48 METHOD: EPA SW-846 8270B QC NUMBER:101347

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
1,4-Dichlorobenzene	BS	021296-00	1	200	0	250	80	10	ug/L
	MS	960401-1	1	1900	0	2500	76	10	ug/L
	MSD	960401-1	1	1600	0	2500	64	10	ug/L
2,4-Dinitrotoluene	BS	021296-00	1	190	0	250	76	10	ug/L
	MS	960401-1	1	2100	0	2500	84	10	ug/L
	MSD	960401-1	1	2100	0	2500	84	10	ug/L
Hexachlorobenzene	BS	021296-00	1	300	0	250	120	10	ug/L
	MS	960401-1	1	2900	0	2500	116	10	ug/L
	MSD	960401-1	1	2900	0	2500	116	10	ug/L
Hexachlorobutadiene	BS	021296-00	1	280	0	250	112	10	ug/L
	MS	960401-1	1	2600	0	2500	104	10	ug/L
	MSD	960401-1	1	2300	0	2500	92	10	ug/L
Hexachloroethane	BS	021296-00	1	190	0	250	76	10	ug/L
	MS	960401-1	1	1600	0	2500	64	10	ug/L
	MSD	960401-1	1	1200	0	2500	48	10	ug/L
Nitrobenzene	BS	021296-00	1	250	0	250	100	10	ug/L
	MS	960401-1	1	2400	0	2500	96	10	ug/L
	MSD	960401-1	1	2500	0	2500	100	10	ug/L
Pentachlorophenol	BS	021296-00	1	640	0	750	85	50	ug/L
	MS	960401-1	1	6700	0	7500	89	50	ug/L
	MSD	960401-1	1	6600	0	7500	88	50	ug/L
2,4,5-Trichlorophenol	BS	021296-00	1	580	0	750	77	10	ug/L
	MS	960401-1	1	6300	0	7500	84	10	ug/L
	MSD	960401-1	1	6000	0	7500	80	10	ug/L
2,4,6-Trichlorophenol	BS	021296-00	1	260	0	250	104	10	ug/L
	MS	960401-1	1	2700	0	2500	108	10	ug/L
	MSD	960401-1	1	2600	0	2500	104	10	ug/L
Pyridine	BS	021296-00	1	460	0	500	92	10	ug/L
	MS	960401-1	1	4300	0	5000	86	10	ug/L
	MSD	960401-1	1	4200	0	5000	84	10	ug/L
Cresols (Total)	BS	021296-00	1	890	0	750	119	30	ug/L
	MS	960401-1	1	9000	0	7500	120	30	ug/L
	MSD	960401-1	1	8900	0	7500	119	30	ug/L

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QUALITY ASSURANCE REPORT
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

BNA Matrix Spike Compounds (Soil) DATE ANALYZED: 02/17/96 TIME ANALYZED: 09:59 METHOD: EPA SW-846 8270B QC NUMBER:101348

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Acenaphthene	MB	021396	1	<330	330	ug/kg
4-Chloro-3-methylphenol	MB	021396	1	<330	330	ug/kg
2-Chlorophenol	MB	021396	1	<330	330	ug/kg
1,4-Dichlorobenzene	MB	021396	1	<330	330	ug/kg
2,4-Dinitrotoluene	MB	021396	1	<330	330	ug/kg
4-Nitrophenol	MB	021396	1	<1650	1650	ug/kg
N-Nitrosodi-n-propylamine	MB	021396	1	<330	330	ug/kg
Pentachlorophenol	MB	021396	1	<1650	1650	ug/kg
Phenol	MB	021396	1	<330	330	ug/kg
Pyrene	MB	021396	1	<330	330	ug/kg
1,2,4-Trichlorobenzene	MB	021396	1	<330	330	ug/kg

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QUALITY ASSURANCE REPORT
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST MEYER

BNA Matrix Spike Compounds (Soil) DATE ANALYZED: 02/17/96 TIME ANALYZED: 09:59 METHOD: EPA SW-846 8270B QC NUMBER:101348

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
Acenaphthene	BS	021396-00	1	2800	0	3300	85	330	ug/kg
4-Chloro-3-methylphenol	BS	021396-00	1	5700	0	6600	86	330	ug/kg
2-Chlorophenol	BS	021396-00	1	4900	0	6600	74	330	ug/kg
1,4-Dichlorobenzene	BS	021396-00	1	3000	0	3300	91	330	ug/kg
2,4-Dinitrotoluene	BS	021396-00	1	2300	0	3300	70	330	ug/kg
4-Nitrophenol	BS	021396-00	1	1800	0	6600	27	1650	ug/kg
N-Nitrosodi-n-propylamine	BS	021396-00	1	3600	0	3300	109	330	ug/kg
Pentachlorophenol	BS	021396-00	1	4900	0	6600	74	1650	ug/kg
Phenol	BS	021396-00	1	6000	0	6600	91	330	ug/kg
Pyrene	BS	021396-00	1	2800	0	3300	85	330	ug/kg
1,2,4-Trichlorobenzene	BS	021396-00	1	3000	0	3300	91	330	ug/kg

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QUALITY ASSURANCE REPORT
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

8270 by 3580 DATE ANALYZED: 02/19/96 TIME ANALYZED: 14:57 METHOD: EPA SW-846 8270B QC NUMBER:101372

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Acenaphthene	MB	021596	1	<10	10	ppm
4-Chloro-3-methylphenol	MB	021596	1	<20	20	ppm
2-Chlorophenol	MB	021596	1	<10	10	ppm
1,4-Dichlorobenzene	MB	021596	1	<10	10	ppm
2,4-Dinitrotoluene	MB	021596	1	<10	10	ppm
4-Nitrophenol	MB	021596	1	<20	20	ppm
N-Nitrosodi-n-propylamine	MB	021596	1	<10	10	ppm
Pentachlorophenol	MB	021596	1	<20	20	ppm
Phenol	MB	021596	1	<10	10	ppm
Pyrene	MB	021596	1	<10	10	ppm
1,2,4-Trichlorobenzene	MB	021596	1	<10	10	ppm

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QUALITY ASSURANCE REPORT
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

8270 by 3580 DATE ANALYZED: 02/19/96 TIME ANALYZED: 14:57 METHOD: EPA SW-846 8270B QC NUMBER:101372

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
Acenaphthene	BS	021596-00	1	260	0	250	104	10	ppm
4-Chloro-3-methylphenol	BS	021596-00	1	520	0	500	104	20	ppm
2-Chlorophenol	BS	021596-00	1	460	0	500	92	10	ppm
1,4-Dichlorobenzene	BS	021596-00	1	280	0	250	112	10	ppm
2,4-Dinitrotoluene	BS	021596-00	1	230	0	250	92	10	ppm
4-Nitrophenol	BS	021596-00	1	170	0	500	34	20	ppm
N-Nitrosodi-n-propylamine	BS	021596-00	1	350	0	250	140	10	ppm
Pentachlorophenol	BS	021596-00	1	400	0	500	80	20	ppm
Phenol	BS	021596-00	1	500	0	500	100	10	ppm
Pyrene	BS	021596-00	1	260	0	250	104	10	ppm
1,2,4-Trichlorobenzene	BS	021596-00	1	280	0	250	112	10	ppm

1733 NORTH PADRE ISLAND DRIVE
CORPUS CHRISTI, TX 78408
(512) 289-2673

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CORE LABORATORIES

QUALITY ASSURANCE REPORT
02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

8270 by 3580 DATE ANALYZED: 02/19/96 TIME ANALYZED: 09:56 METHOD: EPA SW-846 8270B QC NUMBER:101403

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
1,4-Dichlorobenzene	MB	021596	1	<10	10	ppm
2,4-Dinitrotoluene	MB	021596	1	<10	10	ppm
Pentachlorophenol	MB	021596	1	<20	20	ppm

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CORE LABORATORIES

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02/27/96

JOB NUMBER: 960391 CUSTOMER: TNRCC ATTN: ERNEST HEYER

8270 by 3580 DATE ANALYZED: 02/19/96 TIME ANALYZED: 09:56 METHOD: EPA SW-846 8270B QC NUMBER:101403

MATRIX SPIKES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
1,4-Dichlorobenzene	BS	021596-00	1	1490	0	1250	119	10	ppm
	MS	960409-1	1	1500	0	1250	120	10	ppm
	MSD	960409-1	1	1470	0	1250	118	10	ppm
2,4-Dinitrotoluene	BS	021596-00	1	990	0	1250	79	10	ppm
	MS	960409-1	1	1060	0	1250	85	10	ppm
	MSD	960409-1	1	960	0	1250	77	10	ppm
Pentachlorophenol	BS	021596-00	1	3270	0	3750	87	20	ppm
	MS	960409-1	1	3520	0	3750	94	20	ppm
	MSD	960409-1	1	3580	0	3750	95	20	ppm

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CORE LABORATORIES

QUALITY ASSURANCE FOOTER

Cited Methods are obtained from the following documents :

EPA 600/2-79-020, Methods for the Analysis of Water and Wastes, March 1983.
USEPA SW-846 3rd. Edition, November 1990 and July 1992 Update, Test Methods for Evaluating Solid Waste.
EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils.
Federal Register, July 1, 1992 (40 CFR Part 136).
Standard Methods for the Examination of Water and Wastewater, 18th Ed. APHA, AWWA, WPCF.
Methods of Soil Analysis, Agronomy No. 9, C.A. Black, 1965.

Quality control acceptance criteria are method dependent.
All data reported on sample "as received" unless noted.
Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.
NC = Not Calculated due to value at or below detection limit.
NOTE: Data in QA report may differ from final results due to digestion and/or dilution of sample into analytical range.
The "TIME ANALYZED" in the QA report refers to the start time of the analytical batch which may not reflect the actual time of each analysis. The "DATE ANALYZED" is the actual date of analysis.
The data in this report are within the limits of uncertainty specified in the referenced method unless otherwise indicated.

SUBCONTRACTED LABORATORY LOCATIONS

For analyses performed by a subcontract laboratory, an "*" and the designated laboratory code is indicated in the "TECHN" column of the laboratory test results report.

Core Laboratories :

Anaheim	*AN	Lake Charles	*LC
Aurora	*AU	Long Beach	*LB
Casper	*CA	Other Laboratories	*XX
Houston	*HP		

QUALITY ASSURANCE REPORT CODES

BLANKS*	REFERENCE STANDARDS	SPIKES AND DUPLICATES
MB = Method Blank	RS = Reference Standard	MS = Matrix Spike, BS = Blank Spike
RB = Reagent Blank	CC = Continuing Calib.	SS = Surrogate Spike, MD = Matrix Dup.
SB = Storage Blank	LCS = Laboratory Control Std.	PDS= Post Digested Spike
ICB = Initial Calib. Blank	ICV = Initial Calib. Verification	MSD= Matrix Spike Duplicate
CCB = Continuing Calib. Blank	CCV = Cont. Calib. Verification	PDD= Post Digested Duplicate

*In the event that several different method blanks are analyzed, the blank type will be designated by the preparation method, i.e., ZHE, TCLP, 3010, 3050, etc.

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TEXAS WATER COMMISSION TWC-0849 (Rev.05-23-86)

NO. SW 183294

~~District~~ Region 14 Org. No. 4214 Work No. 91600 Lab Core

Material Sampled: ☐ Solid waste (W); ☐ Liquid waste (L); ☒ Soil (E); ☐ Well (M); ☐ Stream (S); ☐ Other (O)

Comments

(continued on back)

Lab Only	Date	
	rec'd:	
	cmplt:	(Lab No)
	Analyst sign.:	

Preservation: ☐ None; ☒ Ice; ☐ H_2SO_4; ☐ HNO_3

Other

Auxiliary Tags

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

30 Code	35 Parameter Value	44 Code	49 Parameter Value	58 Code	63 Parameter Value
[redacted]	S1	Volatiles			
00403					
[redacted]		Semi-Volatiles			
00340					
[redacted]		TCLP - Metals			
00680					
[redacted]		TCLP - Organics			

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Other

Auxiliary Tags

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

30 Code	35 Parameter Value	44 Code	49 Parameter Value	58 Code	63 Parameter Value
[redacted]	S2	Volatiles			
00403					
[redacted]		Semi-volatiles			
00340					
[redacted]		TCLP - Metals			
00680					
[redacted]		TCLP - Organics			

Observations (cont.)

	DATE	TIME	SIGNATURE
SAMPLE COLLECTED	2/7/96	14:19	Jeff Lewellin / Susan Clemi
SAMPLE SHIPPED	2/7/96	~~1440~~ 1630	Susan Clemi
SAMPLE RECEIVED FROM ABOVE			
SAMPLE RECEIVED FROM ABOVE			
RECEIVED BY LABORATORY	2-7-96	1645	Tonya Demaret

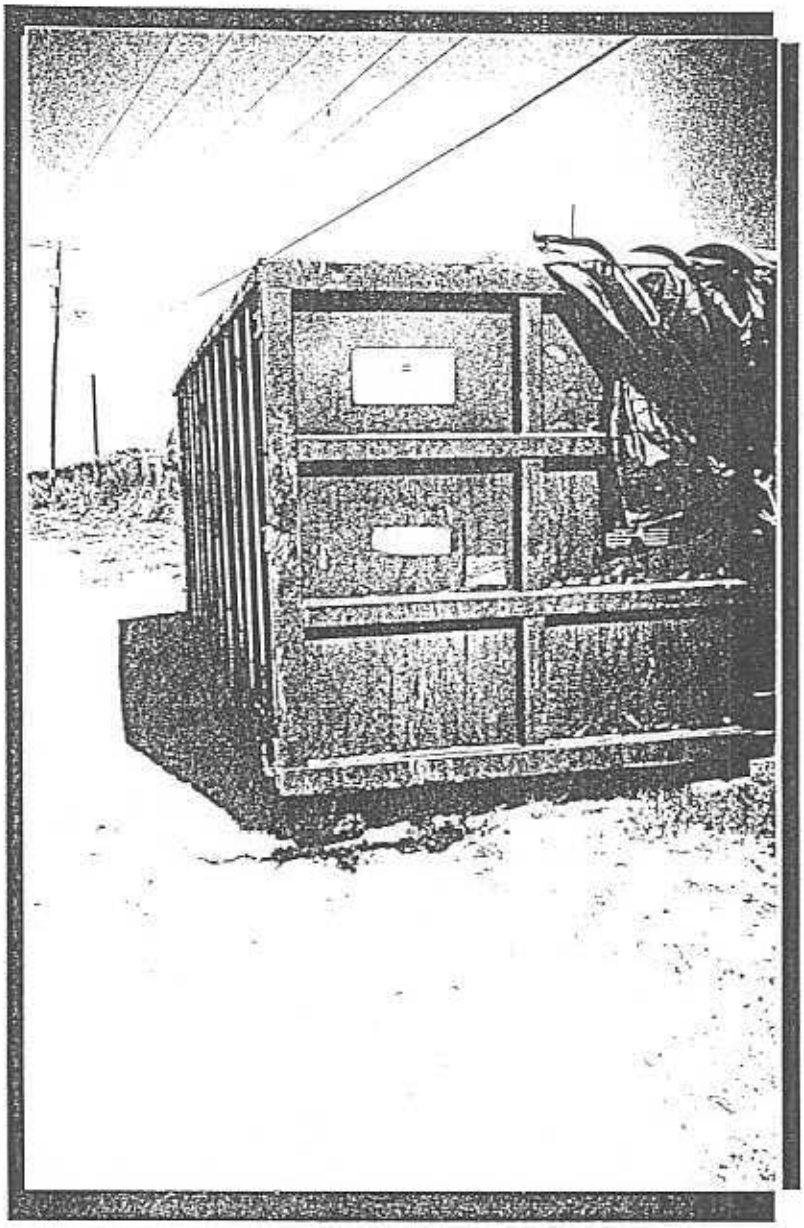
Observations (cont.)

	DATE	TIME	SIGNATURE
SAMPLE COLLECTED	2/7/96	1440	Jeff Lewellin / Susan Clemi
SAMPLE SHIPPED	2/7/96	1630	Susan Clemi
SAMPLE RECEIVED FROM ABOVE			
SAMPLE RECEIVED FROM ABOVE			
RECEIVED BY LABORATORY	Tonya 2-7-96	1645	Tonya Demaret

2/7/95 MJP Resources Spill Sampling of Rolloff.
Waste Mgmt. rolloff D364 30 yd.
Sample taken of material leaking from rolloff
2:14 pm 2/7/96 Sample # S-1 1 pt glass jar w/ lotf

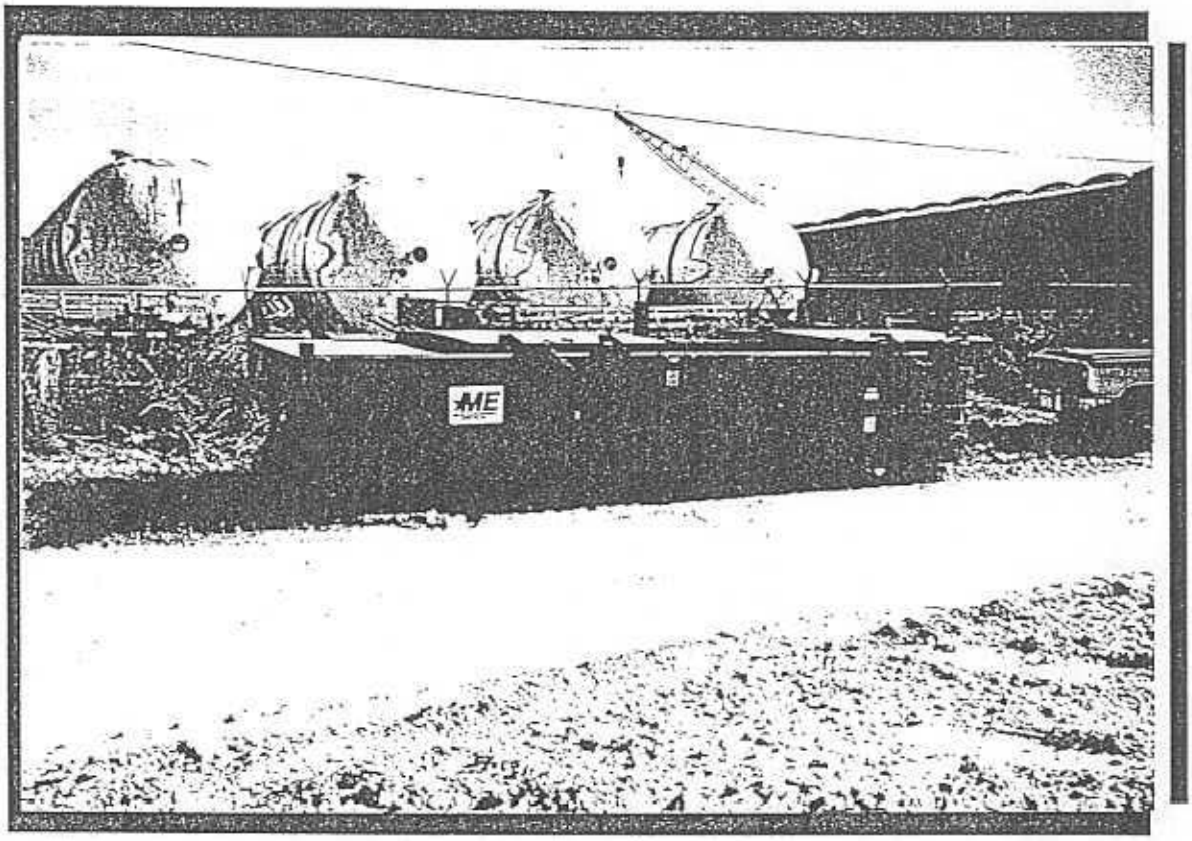
Miller box # 3026
Sample taken of liquid organics from box.
2:10 pm 2/7/96 Sample # S-2
Oil decanted off water. 3 - 4oz. jars.

Field Notes - Susan Clewis



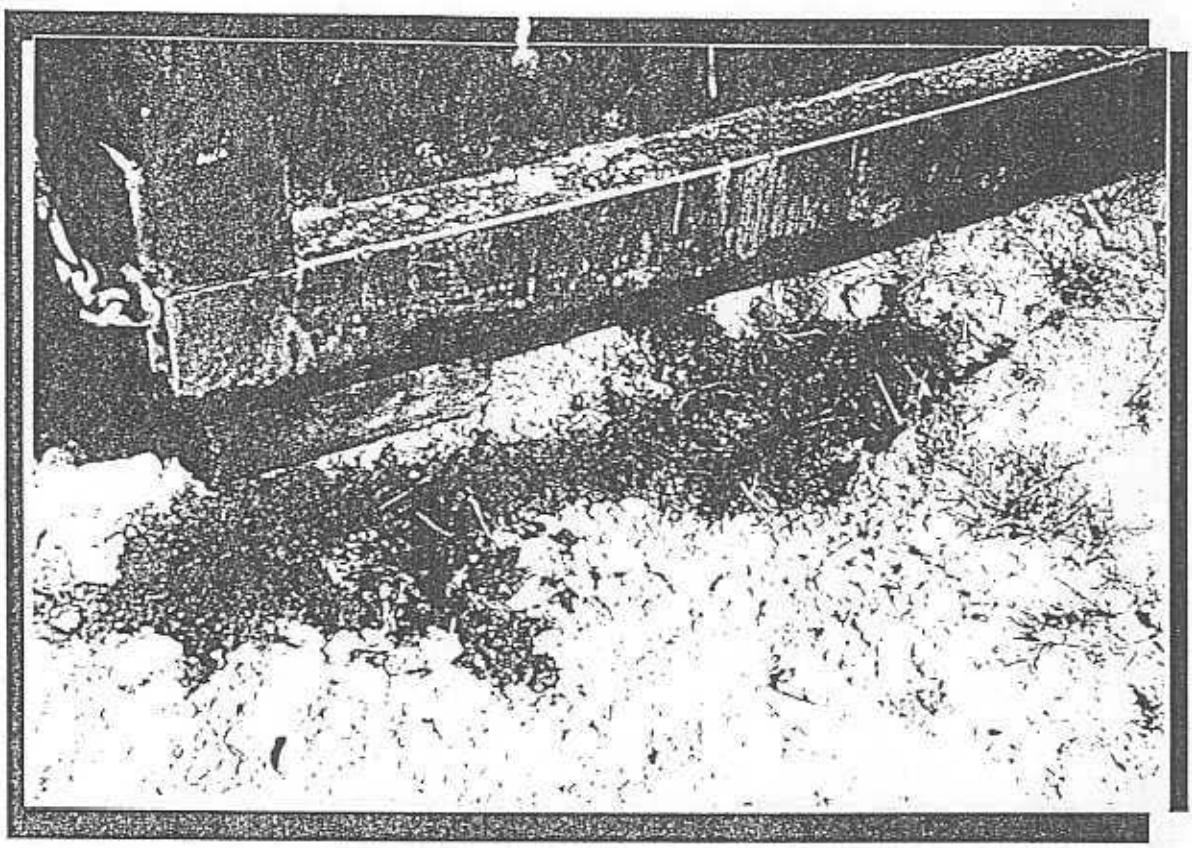
OFFICIAL PHOTOGRAPH
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

SUBJECT Overview of one of two rolloff containers with waste generated from the MJP pipeline spill; note the black stain on the soil at the left corner of the container.
LOCATION MJP pipeline spill adjacent to Brown & Root facility
CITY Ingleside COUNTY San Patricio
DATE February 7, 1996 TIME PM
WEATHER SUN [X] HAZE [ ] CLOUDY [ ] RAINY [ ] SNOW [ ]
PHOTOGRAPHER (Sig.) Susan Clewis - TNRCC Susan Clewis
WITNESS (Sig.) Jeff Lewellin - TNRCC J. Lewellin
NEGATIVE LOCATION TNRCC Region 14
TNRCC SOLID WASTE REGISTRATION NO. None
PHOTO NO. 1



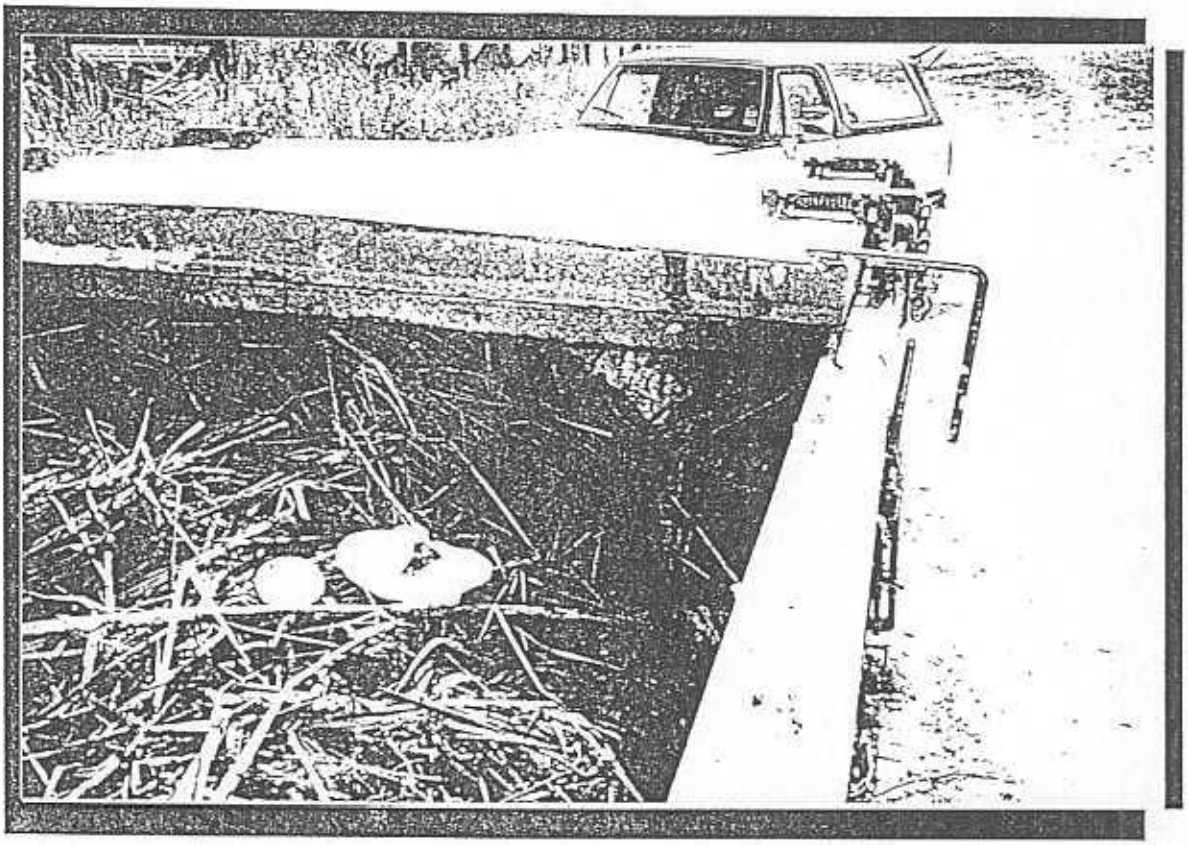
OFFICIAL PHOTOGRAPH
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

SUBJECT View of closed top rolloff container with waste generated from the MJP pipeline release.
LOCATION MJP pipeline spill adjacent to Brown & Root facility
CITY Ingleside COUNTY San Patricio
DATE February 7, 1996 TIME PM
WEATHER SUN [X] HAZE [ ] CLOUDY [ ] RAINY [ ] SNOW [ ]
PHOTOGRAPHER (Sig.) Susan Clewis - TNRCC Susan Clewis
WITNESS Jeff Lewellin - TNRCC Jeff Lewellin
NEGATIVE LOCATION TNRCC Region 14 Office
TNRCC SOLID WASTE REGISTRATION NO. None
PHOTO NO. 3



OFFICIAL PHOTOGRAPH
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

SUBJECT View of stained soil below rolloff container; Soil sample designated S1 collected from the stained area for analysis
LOCATION MJP pipeline spill adjacent to Brown & Root facility
CITY Ingleside COUNTY San Patricio
DATE February 7, 1996 TIME PM
WEATHER SUN [X] HAZE [ ] CLOUDY [ ] RAINY [ ] SNOW [ ]
PHOTOGRAPHER (Sig.) Susan Clewis - TNRCC Susan Clewis
WITNESS Jeff Lewellin - TNRCC Jeff Lewellin
NEGATIVE LOCATION TNRCC Region 14 Office
TNRCC SOLID WASTE REGISTRATION NO. None
PHOTO NO. 2



OFFICIAL PHOTOGRAPH
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

SUBJECT View of waste inside the closed top rolloff container; Sample designated S2 collected from liquid in the container.
LOCATION MJP pipeline spill adjacent to Brown & Root facility
CITY Ingleside COUNTY San Patricio
DATE February 7, 1996 TIME PM
WEATHER SUN [X] HAZE [ ] CLOUDY [ ] RAINY [ ] SNOW [ ]
PHOTOGRAPHER (Sig.) Susan Clewis - TNRCC Susan Clewis
WITNESS Jeff Lewellin - TNRCC Jeff Lewellin
NEGATIVE LOCATION TNRCC Region 14 Office
TNRCC SOLID WASTE REGISTRATION NO. None
PHOTO NO. 4

3-21-96 GCC/MTP Resources Mtg
1:30 PM
Personnel
1. Tony Duncan T+N
2. Mike Ward - MTP
3. Ron Chachere - Counsel MTP
4. Buddy Stanley - TNRCC
5. Susan Clewis - TNRCC
6. JCL -
7. Pam Brown
8. Russell Lewis
Discussion
1. Want to know how to clean tanks - Tanks have been cleaned w/ water + solids went to "New Park" → Tanks cleaned prior to investigation
2. Underground portions of the pipeline from dock to aboveground portion of the pipeline - Water in pipeline from hydrostatic testing. Pipeline has USCG certificat

3. Propose sampling + washing tanks until clean + dispose of rinsate at appropria disposal facility. Sludge to be analyzed + disposed.

4. We want to be notified when cleaning process is complete + sampling of disposal is performed

TELEPHONE MEMO TO THE FILE

(Please complete with typewriter or black pen)

Call To: Don Nelson

Call From: Jeff Lewellin

Date of Call: 3-12-96

File No.: Spills

Phone No.: (512) 882-3839

Subject: MJP + GCC Spill Remediation + Waste Disposal

Information for File: On behalf of Mike Ward of MJP/GCC Mr. Nelson requested a meeting to discuss remediation of the two spill sites and also to discuss wasted disposal issues. He requested that Susan Lewis be present. He also indicated Mr. Ward's legal counsel be present. I will contact him tomorrow after I determine Susan's schedule. They want to meet on 3-13-96.

Discussed w/ Buddy & he indicated the meeting would need to be sheduled when Russel Lewis is available next week.

Called & informed Don.

Signed: Jeff Lewellin

TWC-0225B (Rev. 09-01-85)

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

TELEPHONE MEMO TO THE FILE

Please complete with typewriter or black pen.

Call to: Tony Duncan RMT A&N

Call from: Tony Duncan

Date of call: 4-22-96 1645hrs

File no.: Spills

Phone no.: (512) 882-3839

Subject: GCC/MTP Spill/ Remedial Actions.

① GCC

Information for file: Fluids from tanks transferred to inside ② MTP Some delineation completed w/ TPH conc between 60 ppm to 1800 ppm. Rolloffs being classified for disposal at TECO or BFI. Probable TECO because elevated level TPH. I requested that disposal of the waste in the drums be expedited

Signed Jeff Powell

35 044

TNRCC-0225 (Rev. 09-01-93)

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

TELEPHONE MEMO TO THE FILE

Please complete with typewriter or black pen.

Call to: Don Nelson RMT/J&N Call from: Jeff Lewellin

Date of call: 4-24-96 1345 hrs File no.: Spills

Phone no.: (512) 882-3239 Subject: Clean up levels for MTP spill.

Information for file: After reviewing the clean-up level concerns w/ Don Nelson + Russell Lewis the following was determined:

1. A background no. for TPH should be established
2. Remove visible contamination;
3. Sample the area w/ 1800 ppm TPH to see if hazardous constituents contained in sample;
4. Notify us of the results if no haz. consti. indicated and we would confer and provide additional directives if nessary.

Signed Jeff Lewellin

TNRCC-0225 (Rev. 09-01-93)

35 045

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

TELEPHONE MEMO TO THE FILE

Please complete with typewriter or black pen.

Call to: Jeff Lewellin

Date of call: 5-2-96

Phone no.: (512) 592-5728

Call from: Tony Duncan

File no.: Spills

Subject: MTP

Information for file: Sampling tanks at MTP today at 1:00PM. Five tanks that formally contained crude oil to be sampled after cleaning

Signed Jeff Lewellin

35 046

TNRCC-0225 (Rev. 09-01-93)

MTP

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

TELEPHONE MEMO TO THE FILE

Please complete with typewriter or black pen.

Call to: Jeff Lewellin

Call from: Craig Santana - Alamo

Date of call: 5-22-96 1345 hrs.

File no.: Spills

Phone no.: (512) 373-9686

Subject: MTP Spill

Information for file: Craig Santana, Alamo Petroleum Exchange has not been paid for spill remedial actions or rent on rolloff boxes. Alamo is filing some sort of "writ" w/ the Sheriffs Dept. to remove the rolloffs + force payment for services rendered. He asked what would happen if they put the waste on the ground on visqueen on the ground & I told him that would be considered a violation of 26.121 of the Tx Water Code and Chapter 335 for illegal disposal of an industrial waste.

1450 hrs. Attempted to contact Tony Duncan w/ TdN to determine disposal status.

1530 Gave spill manifest numbers to Mr. Duncan who indicated that he had been contacted by Mr. Santana about an injunction being filed against MTP and the rolloff boxes could not be moved until Alamo is paid.

Signed

35 047

TNRCC-0225 (Rev. 09-01-93)

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

TELEPHONE MEMO TO THE FILE

Please complete with typewriter or black pen.

Call to: Tony Duncan - RMT

Call from: Jeff Lewellin

Date of call: 5-24-96 1415 hrs

File no.: Spills

Phone no.: (512) 592-5728
(512) 882-3839

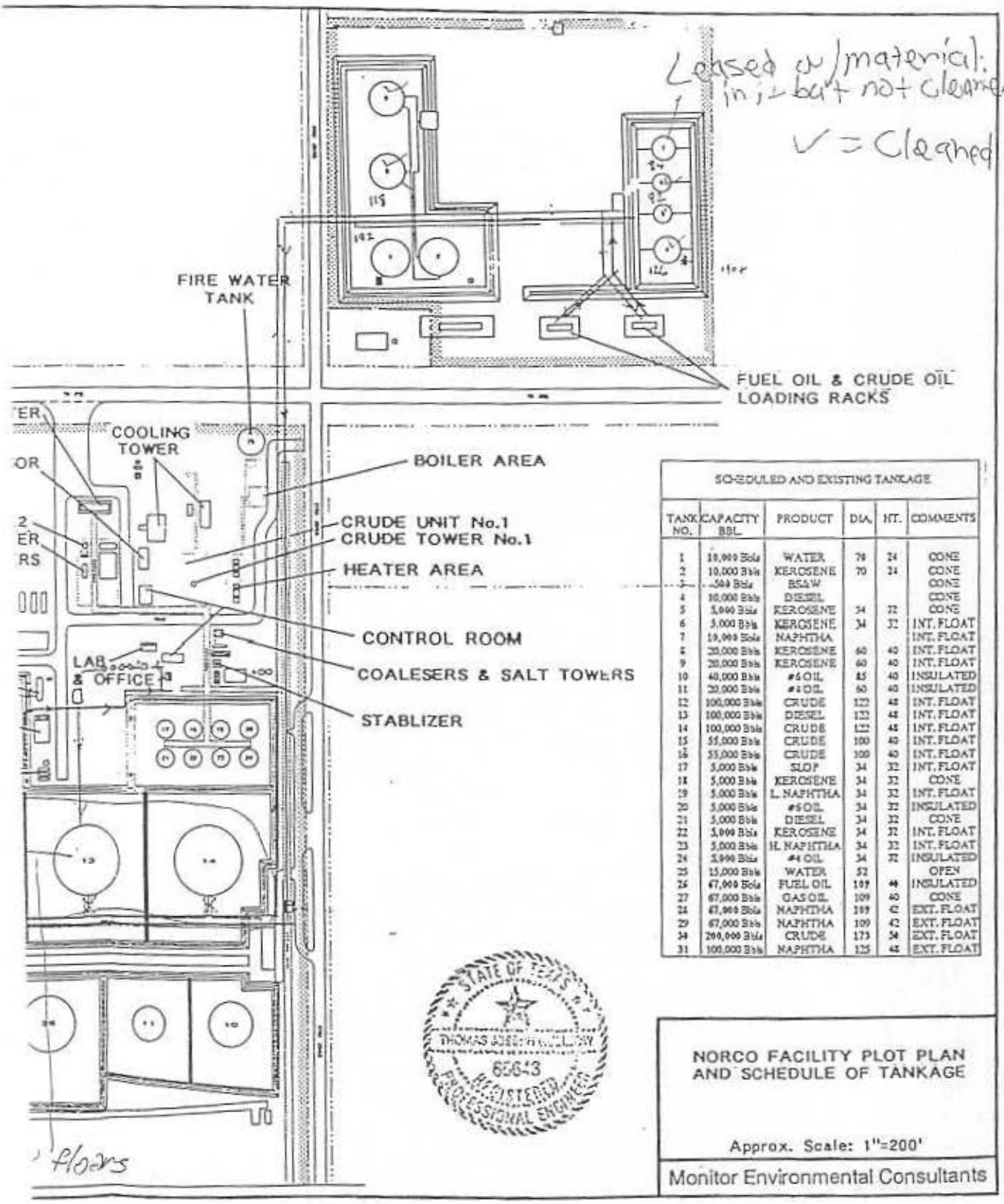
Subject: MJP

Information for file: I contacted Tony Duncan w/ Jones & Neuse and indicated remediation could be completed at the MJP site by removing the obvious remaining oil in the spill area by non mechanized means. No verification samples would be necessary after (limited) removal was complete in the areas of concern.

Signed Jeff Lewellin

35 048

TNRCC-0225 (Rev. 09-01-93)



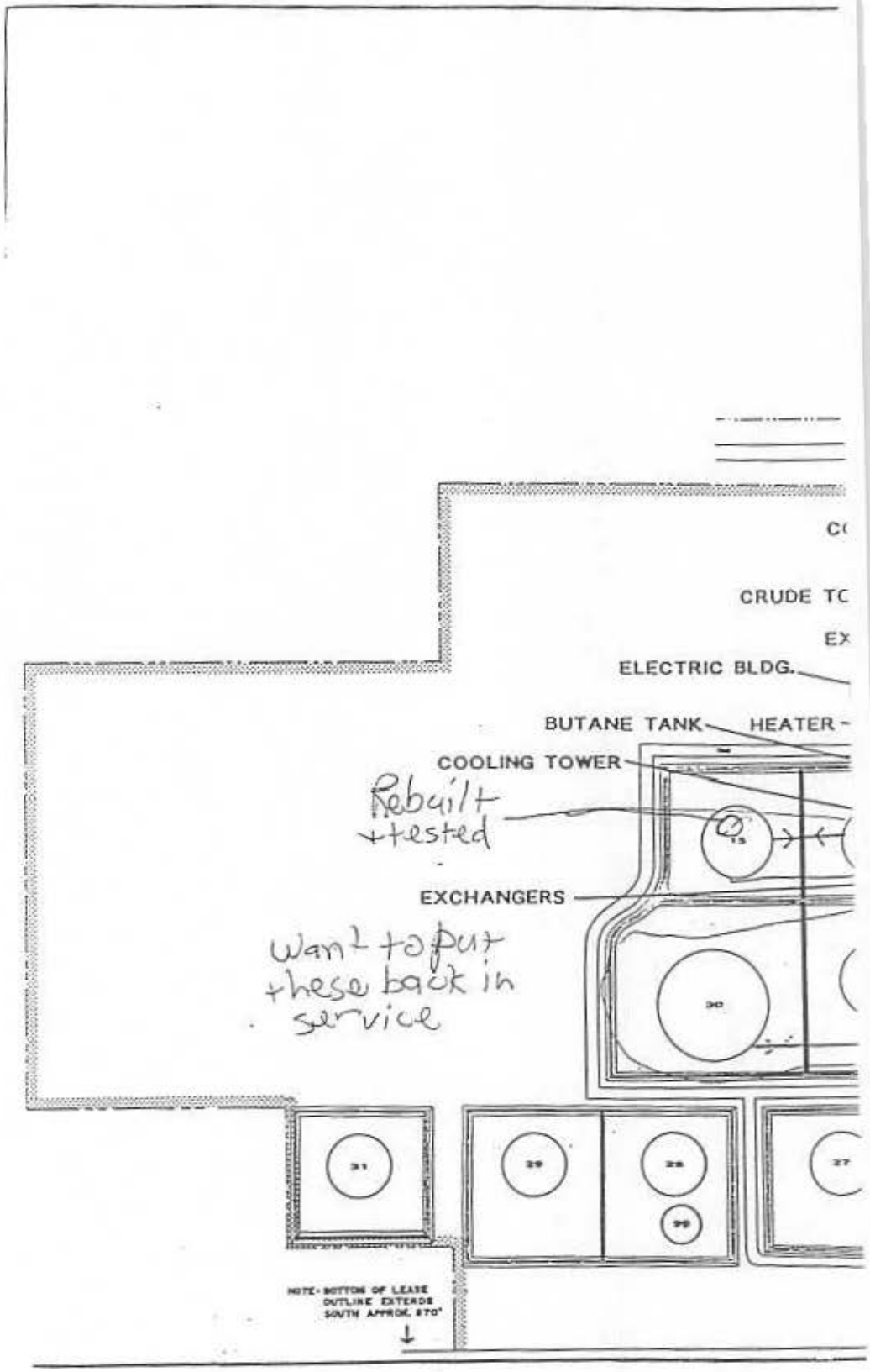
SCHEDULED AND EXISTING TANKAGE					
TANK NO.	CAPACITY BBL	PRODUCT	DIA.	HT.	COMMENTS
1	10,000 Bbls	WATER	70	24	CONE
2	10,000 Bbls	KEROSENE	70	24	CONE
3	500 Bbls	BS&W			CONE
4	10,000 Bbls	DIESEL			CONE
5	5,000 Bbls	KEROSENE	34	32	CONE
6	5,000 Bbls	KEROSENE	34	32	INT. FLOAT
7	10,000 Bbls	NAPHTHA			INT. FLOAT
8	20,000 Bbls	KEROSENE	60	40	INT. FLOAT
9	20,000 Bbls	KEROSENE	60	40	INT. FLOAT
10	40,000 Bbls	#6 OIL	85	40	INSULATED
11	20,000 Bbls	#4 OIL	60	40	INSULATED
12	100,000 Bbls	CRUDE	122	48	INT. FLOAT
13	100,000 Bbls	DIESEL	122	48	INT. FLOAT
14	100,000 Bbls	CRUDE	122	48	INT. FLOAT
15	55,000 Bbls	CRUDE	100	40	INT. FLOAT
16	55,000 Bbls	CRUDE	100	40	INT. FLOAT
17	5,000 Bbls	SLOP	34	32	INT. FLOAT
18	5,000 Bbls	KEROSENE	34	32	CONE
19	5,000 Bbls	L. NAPHTHA	34	32	INT. FLOAT
20	5,000 Bbls	#6 OIL	34	32	INSULATED
21	5,000 Bbls	DIESEL	34	32	CONE
22	5,000 Bbls	KEROSENE	34	32	INT. FLOAT
23	5,000 Bbls	H. NAPHTHA	34	32	INT. FLOAT
24	5,000 Bbls	#4 OIL	34	32	INSULATED
25	15,000 Bbls	WATER	52		OPEN
26	67,000 Bbls	FUEL OIL	109	40	INSULATED
27	67,000 Bbls	GAS OIL	109	40	CONE
28	67,000 Bbls	NAPHTHA	109	42	EXT. FLOAT
29	67,000 Bbls	NAPHTHA	109	42	EXT. FLOAT
30	200,000 Bbls	CRUDE	173	54	EXT. FLOAT
31	100,000 Bbls	NAPHTHA	125	48	EXT. FLOAT

STATE OF TEXAS
THOMAS JOSEPH MALONEY
65643
REGISTERED PROFESSIONAL ENGINEER

NORCO FACILITY PLOT PLAN AND SCHEDULE OF TANKAGE

Approx. Scale: 1"=200'

Monitor Environmental Consultants


CRUDE TC
EX
ELECTRIC BLDG.
BUTANE TANK
HEATER
COOLING TOWER
Rebuilt + tested
EXCHANGERS
Want to put these back in service
NOTE - BOTTOM OF LEASE OUTLINE EXTENDS SOUTH APPROX. 870'