Reference 32

9532654

Site Name: MJP Resources / NORCO

Site Location: Intersection of FM 2725 & Bishop Rd.

County: San Patricio Basin: San Antonio-Nueces Coastal.

Method of Collection: Dip with jar

Point of Collection: Tank #17

Sample # MJP-7

Type facility: ☐ Drum; ☒ Tank; ☐ Impoundment; ☐ Landfill; ☐ Waste pile; ☐ Landfarm; ☐ Other

Time Collected: 3:40 (am/pm) Date Shipped: 7/20/96

Add. COC #s: N/A

ODOR: ☒ Yes; ☐ No; Describe: Hydrocarbon

S.W. Registration (1–9)	Permit Number (10–18)	Page No. (19–21)	Type (22)	Date Mo. (23–24)	Date Day (25–26)	Date Yr. (27–28)	Type (29)
31288	NONE	001	B	02	19	96	L

Sue Clewis
(Collector's Signature)

30 Code	35 Parameter Value	44 Code	49 Parameter Value	58 Code	63 Parameter Value (71)

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

NO. SW 184514

District: Region 14 Org. No. 4214 Work No. 92890 Lab: Core

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

Comments: Sample # MJP-7

(continued on back)

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

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

Other

Auxiliary Tags: N/A

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

30 Code	35 Parameter Value	44 Code	49 Parameter Value	58 Code	63 Parameter Value (71)
00403		Volatiles		Cadmium-Total	
00340		Semi-volatiles		Chromium-Total	
00680		PCB's		Lead-Total	
		TOX		Mercury-TCLP	
		Arsenic-Total			

RECEIVED JUL 26 1996

32 001

Site Name MJP Resources / Norco

Site Location Intersection of 2725 & Bishop Rd.

County San Patricio Basin San Antonio-Nueces Coastal

Method of Collection Dip with jar

Point of Collection Tank #20

Sample # MJP-6

Type facility: ☐ Drum; ☒ Tank; ☐ Impoundment; ☐ Landfill ☐ Waste pile; ☐ Landfarm; ☐ Other

Time Collected 3:15 (am, pm) Date Shipped 2/20/96

Add. COC #s N/A

ODOR: ☒ Yes; ☐ No; Describe Hydrocarbon

S.W. Registration (1–9)	Permit Number (10–18)	Page No. (19–21)	1/1 (22)	Date Mo. (23–24)	Date Day (25–26)	Date Yr. (27–28)	I/I (29)
31288	NONE	001	B	02	19	96	L

David Harvey (Collector's Signature)

30 Code	35 Parameter Value	44 Code	49 Parameter Value	58 Code	63 Parameter Value (71)

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

NO. SW 184513

Region District 14 Org. No. 4214 Work No. 92890 Lab Core

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

Comments Sample # MJP-6

(continued on back)

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

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

Auxiliary Tags N/A

LEACHATE: ☐ EP Toxicity Series; ☐ TWC

30 Code	35 Parameter Value	44 Code	49 Parameter Value	58 Code	63 Parameter Value (71)
~~pH~~		Volatiles		Cadmium-Total	
00403					
~~COD~~		Semi-Volatiles		Chromium-Total	
00340					
~~TOC~~		PCB's		Lead-Total	
00680					
~~Benzene~~		TOX		Mercury-TCLP	
		Arsenic-Total			

RECEIVED MAR 26 1996 RELOCATIONS

32 002

CORE LABORATORIES

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

Job Number: 960521
Prepared For:

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

Date: 03/19/96

Signature

Date: 3/19/96

Name: Charles Sassine

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

Title: Laboratory Supervisor

FIELD OPERATIONS
REGION 14

32 003

CORE LABORATORIES

LABORATORY TESTS RESULTS

03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184513 MJP-6
DATE SAMPLED.....: 02/19/96
TIME SAMPLED.....: 15:15
WORK DESCRIPTION...: 184513 MJP-6

LABORATORY I.D...: 960521-0001
DATE RECEIVED....: 02/20/96
TIME RECEIVED....: 13:00
REMARKS.....: SAMPLED BY D.H.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
GC/MS Volatile Organics		*50		EPA SW-846 8260	02/28/96	QP
Acetone	<5000	5000	ug/L	EPA SW-846 8260		
Acrolein	<2500	2500	ug/L	EPA SW-846 8260		
Acrylonitrile	<2500	2500	ug/L	EPA SW-846 8260		
Benzene	<250	250	ug/L	EPA SW-846 8260		
Bromodichloromethane	<250	250	ug/L	EPA SW-846 8260		
Bromoform	<250	250	ug/L	EPA SW-846 8260		
Bromomethane	<500	500	ug/L	EPA SW-846 8260		
Methyl ethyl ketone	<2500	2500	ug/L	EPA SW-846 8260		
Carbon disulfide	<250	250	ug/L	EPA SW-846 8260		
Carbon tetrachloride	<250	250	ug/L	EPA SW-846 8260		
Chlorobenzene	<250	250	ug/L	EPA SW-846 8260		
Chlorodibromomethane	<250	250	ug/L	EPA SW-846 8260		
Chloroethane	<500	500	ug/L	EPA SW-846 8260		
2-Chloroethylvinyl ether	<500	500	ug/L	EPA SW-846 8260		
Chloroform	<250	250	ug/L	EPA SW-846 8260		
Chloromethane	<500	500	ug/L	EPA SW-846 8260		
Dibromomethane	<250	250	ug/L	EPA SW-846 8260		
Dichlorodifluoromethane	<500	500	ug/L	EPA SW-846 8260		
1,1-Dichloroethane	<250	250	ug/L	EPA SW-846 8260		
1,2-Dichloroethane	<250	250	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<250	250	ug/L	EPA SW-846 8260		
trans-1,2-Dichloroethene	<250	250	ug/L	EPA SW-846 8260		
1,2-Dichloropropane	<250	250	ug/L	EPA SW-846 8260		
cis-1,3-Dichloropropene	<250	250	ug/L	EPA SW-846 8260		
trans-1,3-Dichloropropene	<250	250	ug/L	EPA SW-846 8260		
Ethylbenzene	<250	250	ug/L	EPA SW-846 8260		
Ethyl methacrylate	<250	250	ug/L	EPA SW-846 8260		
Methyl butyl ketone	<250	250	ug/L	EPA SW-846 8260		
Iodomethane	<250	250	ug/L	EPA SW-846 8260		
Methylene chloride	<2500	2500	ug/L	EPA SW-846 8260		
Methyl isobutyl ketone	<500	500	ug/L	EPA SW-846 8260		
Styrene	<250	250	ug/L	EPA SW-846 8260		
1,1,2,2-Tetrachloroethane	<250	250	ug/L	EPA SW-846 8260		
Tetrachloroethene	<250	250	ug/L	EPA SW-846 8260		
Toluene	<250	250	ug/L	EPA SW-846 8260		
1,1,1-Trichloroethane	<250	250	ug/L	EPA SW-846 8260		
1,1,2-Trichloroethane	<250	250	ug/L	EPA SW-846 8260		
Trichloroethene	<250	250	ug/L	EPA SW-846 8260		
Trichlorofluoromethane	<250	250	ug/L	EPA SW-846 8260		
1,2,3-Trichloropropane	<250	250	ug/L	EPA SW-846 8260		
Vinyl acetate	<500	500	ug/L	EPA SW-846 8260		
Vinyl chloride	<250	250	ug/L	EPA SW-846 8260		
Total Xylenes	<500	500	ug/L	EPA SW-846 8260		

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

32 004

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184513 MJP-6
DATE SAMPLED.....: 02/19/96
TIME SAMPLED.....: 15:15
WORK DESCRIPTION...: 184513 MJP-6

LABORATORY I.D...: 960521-0001
DATE RECEIVED....: 02/20/96
TIME RECEIVED....: 13:00
REMARKS.....: SAMPLED BY D.H.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
cis-1,2-Dichloroethylene	<250	250	ug/L	EPA SW-846 8260		
Methyl t-Butyl Ether	1400	250	ug/L	EPA SW-846 8260		
Acetonitrile	<250	250	ug/L	EPA SW-846 8260		
1,4-Dioxane	<25000	25000	ug/L	EPA SW-846 8260		
Ethyl acetate	<250	250	ug/L	EPA SW-846 8260		
Ethyl ether	<250	250	ug/L	EPA SW-846 8260		
Methyl methacrylate	<250	250	ug/L	EPA SW-846 8260		
1,1,2Trichloro-1,2,2Trifluoroethan	<2500	2500	ug/L	EPA SW-846 8260		
1,2,4-Tri-Methylbenzene	<250	250	ug/L	EPA SW-846 8260		
1,3,5-Trimethylbenzene	<250	250	ug/L	EPA SW-846 8260		
1,2,3-Trichlorobenzene	<250	250	ug/L	EPA SW-846 8260		
1-Methylpyrrolidine	<25000	25000	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	86	0	% Recovery	86-118% QC LIMITS		
Toluene d-8 (Surrogate)	101	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	93	0	% Revovery	86-115% QC LIMITS		
GC/MS Semivolatile Organics		*100		EPA SW-846 8270B	03/04/96	GEF
Acenaphthene	<1000	1000	ug/L	EPA SW-846 8270B		
Acenaphthylene	<1000	1000	ug/L	EPA SW-846 8270B		
Anthracene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzo(a)anthracene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzo(b)fluoranthene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzo(k)fluoranthene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzo(ghi)perylene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzo(a)pyrene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzyl Alcohol	<2000	2000	ug/L	EPA SW-846 8270B		
Bis(2-chloroethoxy)methane	<1000	1000	ug/L	EPA SW-846 8270B		
Bis(2-chloroethyl)ether	<1000	1000	ug/L	EPA SW-846 8270B		
Bis(2-chloroisopropyl)ether	<1000	1000	ug/L	EPA SW-846 8270B		
Bis(2-ethylhexyl) phthalate	<5000	5000	ug/L	EPA SW-846 8270B		
4-Bromophenyl phenyl ether	<1000	1000	ug/L	EPA SW-846 8270B		
Butyl benzyl phthalate	<1000	1000	ug/L	EPA SW-846 8270B		
4-Chloroaniline	<5000	5000	ug/L	EPA SW-846 8270B		
4-Chloro-3-methylphenol	<2000	2000	ug/L	EPA SW-846 8270B		
2-Chloronaphthalene	<1000	1000	ug/L	EPA SW-846 8270B		
2-Chlorophenol	<1000	1000	ug/L	EPA SW-846 8270B		
4-Chlorophenyl phenyl ether	<1000	1000	ug/L	EPA SW-846 8270B		
Chrysene	<1000	1000	ug/L	EPA SW-846 8270B		
1,2-Dichlorobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
1,3-Dichlorobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
1,4-Dichlorobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
3,3'-Dichlorobenzidine	<2000	2000	ug/L	EPA SW-846 8270B		
2,4-Dichlorophenol	<1000	1000	ug/L	EPA SW-846 8270B		
Dibenzo(a,h)anthracene	<1000	1000	ug/L	EPA SW-846 8270B		

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

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184513 MJP-6
DATE SAMPLED.....: 02/19/96
TIME SAMPLED.....: 15:15
WORK DESCRIPTION...: 184513 MJP-6

LABORATORY I.D...: 960521-0001
DATE RECEIVED....: 02/20/96
TIME RECEIVED....: 13:00
REMARKS.....: SAMPLED BY D.H.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Dibenzofuran	<1000	1000	ug/L	EPA SW-846 8270B		
Diethyl phthalate	<1000	1000	ug/L	EPA SW-846 8270B		
2,4-Dimethylphenol	<2000	2000	ug/L	EPA SW-846 8270B		
Dimethyl phthalate	<1000	1000	ug/L	EPA SW-846 8270B		
4,6-Dinitro-2-methylphenol	<5000	5000	ug/L	EPA SW-846 8270B		
2,4-Dinitrophenol	<5000	5000	ug/L	EPA SW-846 8270B		
2,4-Dinitrotoluene	<1000	1000	ug/L	EPA SW-846 8270B		
2,6-Dinitrotoluene	<1000	1000	ug/L	EPA SW-846 8270B		
Di-n-octyl phthalate	<1000	1000	ug/L	EPA SW-846 8270B		
Fluorene	<1000	1000	ug/L	EPA SW-846 8270B		
Fluoranthene	<1000	1000	ug/L	EPA SW-846 8270B		
Hexachlorobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
Hexachlorobutadiene	<1000	1000	ug/L	EPA SW-846 8270B		
Hexachlorocyclopentadiene	<1000	1000	ug/L	EPA SW-846 8270B		
Hexachloroethane	<1000	1000	ug/L	EPA SW-846 8270B		
Ideno(1,2,3-cd)pyrene	<1000	1000	ug/L	EPA SW-846 8270B		
Isophorone	<1000	1000	ug/L	EPA SW-846 8270B		
2-Methylnaphthalene	<1000	1000	ug/L	EPA SW-846 8270B		
2-Nitroaniline	<5000	5000	ug/L	EPA SW-846 8270B		
3-Nitroaniline	<5000	5000	ug/L	EPA SW-846 8270B		
4-Nitroaniline	<2000	2000	ug/L	EPA SW-846 8270B		
2-Nitrophenol	<1000	1000	ug/L	EPA SW-846 8270B		
4-Nitrophenol	<5000	5000	ug/L	EPA SW-846 8270B		
N-Nitrosodi-n-propylamine	<1000	1000	ug/L	EPA SW-846 8270B		
N-Nitrosodiphenylamine	<1000	1000	ug/L	EPA SW-846 8270B		
Naphthalene	<1000	1000	ug/L	EPA SW-846 8270B		
Nitrobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
Pentachlorophenol	<5000	5000	ug/L	EPA SW-846 8270B		
Phenanthrene	<1000	1000	ug/L	EPA SW-846 8270B		
Phenol	8070	1000	ug/L	EPA SW-846 8270B		
Pyrene	<1000	1000	ug/L	EPA SW-846 8270B		
1,2,4-Trichlorobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
2,4,5-Trichlorophenol	<1000	1000	ug/L	EPA SW-846 8270B		
2,4,6-Trichlorophenol	<1000	1000	ug/L	EPA SW-846 8270B		
Di-n-butyl phthalate	<1000	1000	ug/L	EPA SW-846 8270B		
Aniline	<1000	1000	ug/L	EPA SW-846 8270B		
o-Cresol	2280	1000	ug/L	EPA SW-846 8270B		
p,m-Cresol	1830	1000	ug/L	EPA SW-846 8270B		
2-Naphthylamine	<1000	1000	ug/L	EPA SW-846 8270B		
Phthalic anhydride	<1000	1000	ug/L	EPA SW-846 8270B		
Pyridine	<1000	1000	ug/L	EPA SW-846 8270B		
2-Fluorophenol (Surrogate)	74	0	% Recovery	21-100% QC LIMITS		
Phenol-d6 (Surrogate)	92	0	% Recovery	10-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	80	0	% Recovery	35-114% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	56	0	% Recovery	43-116% QC LIMITS		

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

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184513 MJP-6
DATE SAMPLED.....: 02/19/96
TIME SAMPLED.....: 15:15
WORK DESCRIPTION...: 184513 MJP-6

LABORATORY I.D...: 960521-0001
DATE RECEIVED....: 02/20/96
TIME RECEIVED....: 13:00
REMARKS.....: SAMPLED BY D.H.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
2,4,6-Tribromophenol(Surrogate)	90	0	% Revovery	10-123% QC LIMITS		
Terphenyl-d14 (Surrogate)	96	0	% Recovery	33-141% QC LIMITS		
Extraction - PCB in water	Completed			EPA SW-846 3520	03/04/96	DGP
Extraction - Semivolatiles (BNA)	Completed			EPA SW-846 3520	02/28/96	DGP
Glass Jar Extraction for Metals	Completed			EPA SW-846 1311	02/20/96	RG
Arsenic (As), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	03/05/96	GCC
Arsenic (As), total	<2	2	mg/L	EPA SW-846 6010	02/22/96	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	03/05/96	GCC
Cadmium (Cd), total	<2	2	mg/L	EPA SW-846 6010	02/22/96	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	03/05/96	GCC
Chromium (Cr), total	<2	2	mg/L	EPA SW-846 6010	02/22/96	GCC
Lead (Pb), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	03/05/96	GCC
Lead (Pb), total	<0.05	0.05	mg/L	EPA SW-846 6010	02/22/96	GCC
Polychlorinated Biphenyls in Water		*1		EPA SW-846 8080	03/07/96	JEM
Aroclor-1016	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1221	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1232	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1242	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1248	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1254	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1260	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1268	<0.65	0.65	ug/L	EPA SW-846 8080		
pH measured at 25 degrees C	13.1 *	0.1	pH units	EPA 150.1	02/27/96	SEB
Total Organic Halogen (TOX)	0.59	0.15	mg/L	EPA SW-846 9020	03/03/96	EBS
Mercury (Hg), extractable, TCLP	0.015	0.002	mg/L	EPA SW-846 7470	02/22/96	EBS
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010A	03/04/96	SLW
Metals Digest	Completed			EPA SW-846 3010A	02/21/96	SLW

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

CORE LABORATORIES

LABORATORY TESTS RESULTS
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184514 MJP-7 (WATER)
DATE SAMPLED.....: 02/19/96
TIME SAMPLED.....: 15:40
WORK DESCRIPTION...: 184514 MJP-7 (WATER)

LABORATORY I.D...: 960521-0002
DATE RECEIVED....: 02/20/96
TIME RECEIVED....: 13:00
REMARKS.....: SAMPLED BY S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
GC/MS Volatile Organics		*10		EPA SW-846 8260	02/28/96	QP
Acetone	3400	1000	ug/L	EPA SW-846 8260		
Acrolein	<500	500	ug/L	EPA SW-846 8260		
Acrylonitrile	<500	500	ug/L	EPA SW-846 8260		
Benzene	1300	50	ug/L	EPA SW-846 8260		
Bromodichloromethane	<50	50	ug/L	EPA SW-846 8260		
Bromoform	<50	50	ug/L	EPA SW-846 8260		
Bromomethane	<100	100	ug/L	EPA SW-846 8260		
Methyl ethyl ketone	1300	500	ug/L	EPA SW-846 8260		
Carbon disulfide	<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		
Chlorodibromomethane	<50	50	ug/L	EPA SW-846 8260		
Chloroethane	<100	100	ug/L	EPA SW-846 8260		
2-Chloroethylvinyl ether	<100	100	ug/L	EPA SW-846 8260		
Chloroform	<50	50	ug/L	EPA SW-846 8260		
Chloromethane	<100	100	ug/L	EPA SW-846 8260		
Dibromomethane	<50	50	ug/L	EPA SW-846 8260		
Dichlorodifluoromethane	<100	100	ug/L	EPA SW-846 8260		
1,1-Dichloroethane	<50	50	ug/L	EPA SW-846 8260		
1,2-Dichloroethane	270	50	ug/L	EPA SW-846 8260		
1,1-Dichloroethene	<50	50	ug/L	EPA SW-846 8260		
trans-1,2-Dichloroethene	<50	50	ug/L	EPA SW-846 8260		
1,2-Dichloropropane	<50	50	ug/L	EPA SW-846 8260		
cis-1,3-Dichloropropene	<50	50	ug/L	EPA SW-846 8260		
trans-1,3-Dichloropropene	<50	50	ug/L	EPA SW-846 8260		
Ethylbenzene	630	50	ug/L	EPA SW-846 8260		
Ethyl methacrylate	<50	50	ug/L	EPA SW-846 8260		
Methyl butyl ketone	<50	50	ug/L	EPA SW-846 8260		
Iodomethane	<50	50	ug/L	EPA SW-846 8260		
Methylene chloride	<500	500	ug/L	EPA SW-846 8260		
Methyl isobutyl ketone	780	100	ug/L	EPA SW-846 8260		
Styrene	570	50	ug/L	EPA SW-846 8260		
1,1,2,2-Tetrachloroethane	<50	50	ug/L	EPA SW-846 8260		
Tetrachloroethene	<50	50	ug/L	EPA SW-846 8260		
Toluene	550	50	ug/L	EPA SW-846 8260		
1,1,1-Trichloroethane	<50	50	ug/L	EPA SW-846 8260		
1,1,2-Trichloroethane	<50	50	ug/L	EPA SW-846 8260		
Trichloroethene	<50	50	ug/L	EPA SW-846 8260		
Trichlorofluoromethane	<50	50	ug/L	EPA SW-846 8260		
1,2,3-Trichloropropane	<50	50	ug/L	EPA SW-846 8260		
Vinyl acetate	<100	100	ug/L	EPA SW-846 8260		
Vinyl chloride	<50	50	ug/L	EPA SW-846 8260		
Total Xylenes	470	100	ug/L	EPA SW-846 8260		

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CORPUS CHRISTI, TX 78408
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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184514 MJP-7 (WATER)
DATE SAMPLED.....: 02/19/96
TIME SAMPLED.....: 15:40
WORK DESCRIPTION...: 184514 MJP-7 (WATER)

LABORATORY I.D...: 960521-0002
DATE RECEIVED....: 02/20/96
TIME RECEIVED....: 13:00
REMARKS.....: SAMPLED BY S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
cis-1,2-Dichloroethylene	<50	50	ug/L	EPA SW-846 8260		
Methyl t-Butyl Ether	14000	50	ug/L	EPA SW-846 8260		
Acetonitrile	<50	50	ug/L	EPA SW-846 8260		
1,4-Dioxane	<5000	5000	ug/L	EPA SW-846 8260		
Ethyl acetate	<50	50	ug/L	EPA SW-846 8260		
Ethyl ether	590	50	ug/L	EPA SW-846 8260		
Methyl methacrylate	<50	50	ug/L	EPA SW-846 8260		
1,1,2Trichloro-1,2,2Trifluoroethan	<500	500	ug/L	EPA SW-846 8260		
1,2,4-Tri-Methylbenzene	500	50	ug/L	EPA SW-846 8260		
1,3,5-Trimethylbenzene	600	50	ug/L	EPA SW-846 8260		
1,2,3-Trichlorobenzene	<50	50	ug/L	EPA SW-846 8260		
1-Methylpyrrolidine	<5000	5000	ug/L	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	95	0	% Recovery	86-118% QC LIMITS		
Toluene d-8 (Surrogate)	94	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	101	0	% Revovery	86-115% QC LIMITS		
GC/MS Semivolatile Organics		*100		EPA SW-846 8270B	03/04/96	GEF
Acenaphthene	<1000	1000	ug/L	EPA SW-846 8270B		
Acenaphthylene	<1000	1000	ug/L	EPA SW-846 8270B		
Anthracene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzo(a)anthracene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzo(b)fluoranthene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzo(k)fluoranthene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzo(ghi)perylene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzo(a)pyrene	<1000	1000	ug/L	EPA SW-846 8270B		
Benzyl Alcohol	<2000	2000	ug/L	EPA SW-846 8270B		
Bis(2-chloroethoxy)methane	<1000	1000	ug/L	EPA SW-846 8270B		
Bis(2-chloroethyl)ether	<1000	1000	ug/L	EPA SW-846 8270B		
Bis(2-chloroisopropyl)ether	<1000	1000	ug/L	EPA SW-846 8270B		
Bis(2-ethylhexyl) phthalate	<5000	5000	ug/L	EPA SW-846 8270B		
4-Bromophenyl phenyl ether	<1000	1000	ug/L	EPA SW-846 8270B		
Butyl benzyl phthalate	<1000	1000	ug/L	EPA SW-846 8270B		
4-Chloroaniline	<5000	5000	ug/L	EPA SW-846 8270B		
4-Chloro-3-methylphenol	<2000	2000	ug/L	EPA SW-846 8270B		
2-Chloronaphthalene	<1000	1000	ug/L	EPA SW-846 8270B		
2-Chlorophenol	<1000	1000	ug/L	EPA SW-846 8270B		
4-Chlorophenyl phenyl ether	<1000	1000	ug/L	EPA SW-846 8270B		
Chrysene	<1000	1000	ug/L	EPA SW-846 8270B		
1,2-Dichlorobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
1,3-Dichlorobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
1,4-Dichlorobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
3,3'-Dichlorobenzidine	<2000	2000	ug/L	EPA SW-846 8270B		
2,4-Dichlorophenol	<1000	1000	ug/L	EPA SW-846 8270B		
Dibenzo(a,h)anthracene	<1000	1000	ug/L	EPA SW-846 8270B		

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CORPUS CHRISTI, TX 78408
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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184514 MJP-7 (WATER)
DATE SAMPLED.....: 02/19/96
TIME SAMPLED.....: 15:40
WORK DESCRIPTION...: 184514 MJP-7 (WATER)

LABORATORY I.D...: 960521-0002
DATE RECEIVED....: 02/20/96
TIME RECEIVED....: 13:00
REMARKS.....: SAMPLED BY S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Dibenzofuran	<1000	1000	ug/L	EPA SW-846 8270B		
Diethyl phthalate	<1000	1000	ug/L	EPA SW-846 8270B		
2,4-Dimethylphenol	<2000	2000	ug/L	EPA SW-846 8270B		
Dimethyl phthalate	<1000	1000	ug/L	EPA SW-846 8270B		
4,6-Dinitro-2-methylphenol	<5000	5000	ug/L	EPA SW-846 8270B		
2,4-Dinitrophenol	<5000	5000	ug/L	EPA SW-846 8270B		
2,4-Dinitrotoluene	<1000	1000	ug/L	EPA SW-846 8270B		
2,6-Dinitrotoluene	<1000	1000	ug/L	EPA SW-846 8270B		
Di-n-octyl phthalate	<1000	1000	ug/L	EPA SW-846 8270B		
Fluorene	<1000	1000	ug/L	EPA SW-846 8270B		
Fluoranthene	<1000	1000	ug/L	EPA SW-846 8270B		
Hexachlorobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
Hexachlorobutadiene	<1000	1000	ug/L	EPA SW-846 8270B		
Hexachlorocyclopentadiene	<1000	1000	ug/L	EPA SW-846 8270B		
Hexachloroethane	<1000	1000	ug/L	EPA SW-846 8270B		
Ideno(1,2,3-cd)pyrene	<1000	1000	ug/L	EPA SW-846 8270B		
Isophorone	<1000	1000	ug/L	EPA SW-846 8270B		
2-Methylnaphthalene	2390	1000	ug/L	EPA SW-846 8270B		
2-Nitroaniline	<5000	5000	ug/L	EPA SW-846 8270B		
3-Nitroaniline	<5000	5000	ug/L	EPA SW-846 8270B		
4-Nitroaniline	<2000	2000	ug/L	EPA SW-846 8270B		
2-Nitrophenol	<1000	1000	ug/L	EPA SW-846 8270B		
4-Nitrophenol	<5000	5000	ug/L	EPA SW-846 8270B		
N-Nitrosodi-n-propylamine	<1000	1000	ug/L	EPA SW-846 8270B		
N-Nitrosodiphenylamine	<1000	1000	ug/L	EPA SW-846 8270B		
Naphthalene	2940	1000	ug/L	EPA SW-846 8270B		
Nitrobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
Pentachlorophenol	<5000	5000	ug/L	EPA SW-846 8270B		
Phenanthrene	<1000	1000	ug/L	EPA SW-846 8270B		
Phenol	6660	1000	ug/L	EPA SW-846 8270B		
Pyrene	<1000	1000	ug/L	EPA SW-846 8270B		
1,2,4-Trichlorobenzene	<1000	1000	ug/L	EPA SW-846 8270B		
2,4,5-Trichlorophenol	<1000	1000	ug/L	EPA SW-846 8270B		
2,4,6-Trichlorophenol	<1000	1000	ug/L	EPA SW-846 8270B		
Di-n-butyl phthalate	<1000	1000	ug/L	EPA SW-846 8270B		
Aniline	<1000	1000	ug/L	EPA SW-846 8270B		
o-Cresol	<1000	1000	ug/L	EPA SW-846 8270B		
p,m-Cresol	<1000	1000	ug/L	EPA SW-846 8270B		
2-Naphthylamine	<1000	1000	ug/L	EPA SW-846 8270B		
Phthalic anhydride	<1000	1000	ug/L	EPA SW-846 8270B		
Pyridine	<1000	1000	ug/L	EPA SW-846 8270B		
2-Fluorophenol (Surrogate)	55	0	% Recovery	21-100% QC LIMITS		
Phenol-d6 (Surrogate)	97	0	% Recovery	10-94% QC LIMITS		
Nitrobenzene-d5 (Surrogate)	88	0	% Recovery	35-114% QC LIMITS		
2-Fluorobiphenyl (Surrogate)	106	0	% Recovery	43-116% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184514 MJP-7 (WATER)
DATE SAMPLED.....: 02/19/96
TIME SAMPLED.....: 15:40
WORK DESCRIPTION...: 184514 MJP-7 (WATER)

LABORATORY I.D...: 960521-0002
DATE RECEIVED....: 02/20/96
TIME RECEIVED....: 13:00
REMARKS.....: SAMPLED BY S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
2,4,6-Tribromophenol(Surrogate)	76	0	% Revovery	10-123% QC LIMITS		
Terphenyl-d14 (Surrogate)	104	0	% Recovery	33-141% QC LIMITS		
Extraction - PCB in water	Completed			EPA SW-846 3520	03/04/96	DGP
Extraction - Semivolatiles (BNA)	Completed			EPA SW-846 3520	02/28/96	DGP
Glass Jar Extraction for Metals	Completed			EPA SW-846 1311	02/20/96	RG
Arsenic (As), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	03/05/96	GCC
Arsenic (As), total	<0.05	0.05	mg/L	EPA SW-846 6010	02/22/96	GCC
Cadmium (Cd), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	03/05/96	GCC
Cadmium (Cd), total	<0.05	0.05	mg/L	EPA SW-846 6010	02/22/96	GCC
Chromium (Cr), extractable TCLP	<0.05	0.05	mg/L	EPA SW-846 6010A	03/05/96	GCC
Chromium (Cr), total	<0.05	0.05	mg/L	EPA SW-846 6010	02/22/96	GCC
Lead (Pb), extractable TCLP	0.05	0.05	mg/L	EPA SW-846 6010A	03/05/96	GCC
Lead (Pb), total	0.14	0.05	mg/L	EPA SW-846 6010	02/22/96	GCC
Polychlorinated Biphenyls in Water		*1		EPA SW-846 8080	03/07/96	JEM
Aroclor-1016	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1221	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1232	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1242	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1248	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1254	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1260	<0.65	0.65	ug/L	EPA SW-846 8080		
Aroclor-1268	<0.65	0.65	ug/L	EPA SW-846 8080		
pH measured at 25 degrees C	5.0	0.1	pH units	EPA 150.1	02/27/96	SEB
Total Organic Halogen (TOX)	3.75	0.15	mg/L	EPA SW-846 9020	03/03/96	EBS
Mercury (Hg), extractable, TCLP	<0.002	0.002	mg/L	EPA SW-846 7470	02/22/96	EBS
Metals Digest on Extracted Sample	Completed			EPA SW-846 3010A	03/04/96	SLW
Metals Digest	Completed			EPA SW-846 3010A	02/21/96	SLW

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CORPUS CHRISTI, TX 78408
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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

CLIENT I.D.....: 184514 MJP-7 (OIL)
DATE SAMPLED.....: 02/19/96
TIME SAMPLED.....: 15:40
WORK DESCRIPTION...: 184514 MJP-7 (OIL)

LABORATORY I.D...: 960521-0003
DATE RECEIVED....: 02/20/96
TIME RECEIVED....: 13:00
REMARKS.....: SAMPLED BY S.C.

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
GC/MS Volatile Organics		*125		EPA SW-846 8260	02/27/96	QP
Acetone	<125000	125000	ug/kg	EPA SW-846 8260		
Acrolein	<62500	62500	ug/kg	EPA SW-846 8260		
Acrylonitrile	<62500	62500	ug/kg	EPA SW-846 8260		
Benzene	20000	6250	ug/kg	EPA SW-846 8260		
Bromodichloromethane	<6250	6250	ug/kg	EPA SW-846 8260		
Bromoform	<6250	6250	ug/kg	EPA SW-846 8260		
Bromomethane	<6250	6250	ug/kg	EPA SW-846 8260		
Methyl ethyl ketone	<62500	62500	ug/kg	EPA SW-846 8260		
Carbon disulfide	<6250	6250	ug/kg	EPA SW-846 8260		
Carbon tetrachloride	<6250	6250	ug/kg	EPA SW-846 8260		
Chlorobenzene	<6250	6250	ug/kg	EPA SW-846 8260		
Chlorodibromomethane	<6250	6250	ug/kg	EPA SW-846 8260		
Chloroethane	<6250	6250	ug/kg	EPA SW-846 8260		
2-Chloroethylvinyl ether	<6250	6250	ug/kg	EPA SW-846 8260		
Chloroform	<6250	6250	ug/kg	EPA SW-846 8260		
Chloromethane	<6250	6250	ug/kg	EPA SW-846 8260		
Dibromomethane	<6250	6250	ug/kg	EPA SW-846 8260		
Dichlorodifluoromethane	<6250	6250	ug/kg	EPA SW-846 8260		
1,1-Dichloroethane	<6250	6250	ug/kg	EPA SW-846 8260		
1,2-Dichloroethane	<6250	6250	ug/kg	EPA SW-846 8260		
1,1-Dichloroethene	<6250	6250	ug/kg	EPA SW-846 8260		
trans-1,2-Dichloroethene	<6250	6250	ug/kg	EPA SW-846 8260		
1,2-Dichloropropane	<6250	6250	ug/kg	EPA SW-846 8260		
cis-1,3-Dichloropropene	<6250	6250	ug/kg	EPA SW-846 8260		
trans-1,3-Dichloropropene	<6250	6250	ug/kg	EPA SW-846 8260		
Ethylbenzene	27000	6250	ug/kg	EPA SW-846 8260		
Ethyl methacrylate	<6250	6250	ug/kg	EPA SW-846 8260		
Methyl butyl ketone	<6250	6250	ug/kg	EPA SW-846 8260		
Iodomethane	<6250	6250	ug/kg	EPA SW-846 8260		
Methylene chloride	<62500	62500	ug/kg	EPA SW-846 8260		
Methyl isobutyl ketone	<6250	6250	ug/kg	EPA SW-846 8260		
Styrene	30000	6250	ug/kg	EPA SW-846 8260		
1,1,2,2-Tetrachloroethane	<6250	6250	ug/kg	EPA SW-846 8260		
Tetrachloroethene	<6250	6250	ug/kg	EPA SW-846 8260		
Toluene	26000	6250	ug/kg	EPA SW-846 8260		
1,1,1-Trichloroethane	<6250	6250	ug/kg	EPA SW-846 8260		
1,1,2-Trichloroethane	<6250	6250	ug/kg	EPA SW-846 8260		
Trichloroethene	<6250	6250	ug/kg	EPA SW-846 8260		
Trichlorofluoromethane	<6250	6250	ug/kg	EPA SW-846 8260		
1,2,3-Trichloropropane	<6250	6250	ug/kg	EPA SW-846 8260		
Vinyl acetate	<6250	6250	ug/kg	EPA SW-846 8260		
Vinyl chloride	<6250	6250	ug/kg	EPA SW-846 8260		
Total Xylenes	18000	6250	ug/kg	EPA SW-846 8260		

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CORPUS CHRISTI, TX 78408
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CORE LABORATORIES

LABORATORY TESTS RESULTS
03/19/96

OB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

LIENT I.D.....: 184514 MJP-7 (OIL)
ATE SAMPLED.....: 02/19/96
IME SAMPLED.....: 15:40
ORK DESCRIPTION...: 184514 MJP-7 (OIL)

LABORATORY I.D...: 960521-0003
DATE RECEIVED....: 02/20/96
TIME RECEIVED....: 13:00
REMARKS.....: SAMPLED BY S.C.

EST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
cis-1,2-Dichloroethylene	<6250	6250	ug/kg	EPA SW-846 8260		
Methyl t-Butyl Ether	10000	6250	ug/kg	EPA SW-846 8260		
Acetonitrile	<6250	6250	ug/kg	EPA SW-846 8260		
1,4-Dioxane	<625000	625000	ug/kg	EPA SW-846 8260		
Ethyl acetate	<6250	6250	ug/kg	EPA SW-846 8260		
Ethyl ether	<6250	6250	ug/kg	EPA SW-846 8260		
Methyl methacrylate	<6250	6250	ug/kg	EPA SW-846 8260		
1,1,2Trichloro-1,2,2Trifluoroethan	<62500	62500	ug/kg	EPA SW-846 8260		
1,2,4-Tri-Methylbenzene	17000	6250	ug/kg	EPA SW-846 8260		
1,3,5-Trimethylbenzene	22000	6250	ug/kg	EPA SW-846 8260		
1,2,3-Trichlorobenzene	<6250	6250	ug/kg	EPA SW-846 8260		
1-Methylpyrrolidine	<625000	625000	ug/kg	EPA SW-846 8260		
Dibromofluoromethane(Surrogate)	84	0	% Recovery	80-120% QC LIMITS		
Toluene d-8 (Surrogate)	108	0	% Recovery	81-117% QC LIMITS		
4-Bromofluorobenzene(Surrogate)	96	0	% Revovery	74-121% QC LIMITS		
rsenic (As), total	<5	5	mg/kg	EPA SW-846 6010A	02/29/96	GCC
admium (Cd), total	<5	5	mg/kg	EPA SW-846 6010A	02/29/96	GCC
hromium (Cr), total	<5	5	mg/kg	EPA SW-846 6010A	02/29/96	GCC
ead (Pb), total	<5	5	mg/kg	EPA SW-846 6010A	02/29/96	GCC
otal Organic Halogens	920 *	150	ppm	EPA SW-846 9076	02/27/96	EBS
ercury (Hg), total	<0.09	0.09	mg/kg	EPA SW-846 7471	02/28/96	EBS
etals Digest	Completed			EPA SW-846 3051	02/22/96	SLW

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CORPUS CHRISTI, TX 78408
(512) 289-2673

CORE LABORATORIES

QUALITY ASSURANCE REPORT
03/19/96

JOB NUMBER: 960521 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:Mercury (Hg), extractable, TCLP REPORTING LIMIT/DF: 0.002 UNITS:mg/L				DATE/TIME ANALYZED:02/22/96 07:00 METHOD REFERENCE :EPA SW-846 7470				QC BATCH NUMBER:101595 TECHNICIAN:EBS		
BLANK	MB	TCLP	<0.002							
STANDARD	RS	507.5.2	0.019			0.020	95			
SPIKE	MS	960514-1	0.050					<0.002	0.050	100
DUPLICATE	MD	960514-1	<0.002	<0.002	NC					
PARAMETER:Arsenic (As), total REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/22/96 17:48 METHOD REFERENCE : 200.7/6010A				QC BATCH NUMBER:101607 TECHNICIAN:GCC		
BLANK	MB	3010	<0.05							
BLANK	MB	200.7	<0.05							
STANDARD	ICV	Q1095	0.96			1.00	96			
STANDARD	CCV	1013C	4.98			5.00	100			
SPIKE	PDS	960521-001	0.96					<0.05	1.00	96
DUPLICATE	PDD	960528-001	1.24	1.01	20					
DUPLICATE	PDD	960521-001	<0.05	<0.05	NC					
PARAMETER:Cadmium (Cd), total REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/22/96 17:48 METHOD REFERENCE : 200.7				QC BATCH NUMBER:101608 TECHNICIAN:GCC		
BLANK	MB	3010	<0.05							
STANDARD	ICV	Q1095	1.01			1.00	101			
STANDARD	CCV	1013C	5.02			5.00	100			
SPIKE	PDS	960521-001	0.87					<0.05	1.00	87
DUPLICATE	PDD	960528-001	<0.05	<0.05	NC					
DUPLICATE	PDD	960521-001	<0.05	<0.05	NC					
PARAMETER:Chromium (Cr), total REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/22/96 17:48 METHOD REFERENCE : 200.7				QC BATCH NUMBER:101609 TECHNICIAN:GCC		
BLANK	MB	3010	<0.05							
STANDARD	ICV	Q1095	0.95			1.00	95			
STANDARD	CCV	1013C	5.07			5.00	101			
SPIKE	PDS	960521-001	0.97					<0.05	1.00	97
DUPLICATE	PDD	960528-001	0.10	0.09	0.01					
DUPLICATE	PDD	960521-001	<0.05	<0.05	NC					
PARAMETER:Lead (Pb), total REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/22/96 17:48 METHOD REFERENCE : 200.7				QC BATCH NUMBER:101610 TECHNICIAN:GCC		
BLANK	MB	3010	<0.05							
STANDARD	ICV	Q1095	1.00			1.00	100			
STANDARD	CCV	1013C	5.06			5.00	101			
SPIKE	PDS	960521-001	0.97					<0.05	1.00	97
DUPLICATE	PDD	960528-001	<0.05	<0.05	NC					
DUPLICATE	PDD	960521-001	<0.05	<0.05	NC					

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CORPUS CHRISTI, TX 78408
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CORE LABORATORIES

QUALITY ASSURANCE REPORT
03/19/96

JOB NUMBER: 960521 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:pH measured at 25 degrees C REPORTING LIMIT/DF: 0.1 UNITS:pH units				DATE/TIME ANALYZED:02/27/96 18:45 METHOD REFERENCE :EPA 150.1					QC BATCH NUMBER:101870 TECHNICIAN:SEB	
STANDARD	LCS 2	386.24.24	7.03			7.00	100			
DUPLICATE	MD	960595-1	7.3	7.3	0					
PARAMETER:Total Organic Halogens REPORTING LIMIT/DF: 15 UNITS:ppm				DATE/TIME ANALYZED:02/27/96 08:00 METHOD REFERENCE :EPA SW-846 9076					QC BATCH NUMBER:101871 TECHNICIAN:EBS	
BLANK	MB	386.25.9	<15							
STANDARD	RS	507.4.23	477			490	97			
SPIKE	MS	960507-1	1557					470	1000	109
DUPLICATE	MD	960507-1	470	500	6					
PARAMETER:Mercury (Hg), total REPORTING LIMIT/DF: UNITS:mg/kg				DATE/TIME ANALYZED:02/28/96 08:00 METHOD REFERENCE :EPA SW-846 7471					QC BATCH NUMBER:101956 TECHNICIAN:EBS	
BLANK	MB	DI H20	<0.09							
STANDARD	RS	507.5.2	0.018			0.020	90			
SPIKE	MS	960582-1	2.03					<0.09	1.85	110
SPIKE	MS	960496-1	1.11					0.13	0.98	100
DUPLICATE	MD	960582-1	<0.09	<0.09	0.00					
PARAMETER:Arsenic (As), total REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/29/96 16:13 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:102154 TECHNICIAN:GCC	
BLANK	MB	3051	<0.05							
BLANK	MB	3050	<0.05							
STANDARD	CCV	1013C	4.98			5.00	100			
STANDARD	ICV	Q1095	0.95			1.00	95			
SPIKE	MS	960507-001	0.87					<0.05	1.00	87
SPIKE	MS	960483-001	0.94					<0.05	1.00	94
DUPLICATE	MD	960483-001	<0.05	<0.05	NC					
DUPLICATE	MD	960507-001	<0.05	<0.05	NC					
PARAMETER:Cadmium (Cd), total REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/29/96 16:13 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:102156 TECHNICIAN:GCC	
BLANK	MB	3051	<0.05							
BLANK	MB	3050	<0.05							
STANDARD	CCV	1013C	4.98			5.00	100			
STANDARD	ICV	1013C	1.00			1.00	100			
SPIKE	MS	960507-001	0.89					<0.05	1.00	89
SPIKE	MS	960483-001	0.93					<0.05	1.00	93
DUPLICATE	MD	960483-001	<0.05	<0.05	NC					
DUPLICATE	MD	960507-001	<0.05	<0.05	NC					

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CORE LABORATORIES

QUALITY ASSURANCE REPORT
03/19/96

JOB NUMBER: 960521 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:Chromium (Cr), total REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/29/96 16:13 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER:102157 TECHNICIAN:GCC		
BLANK	MB	3051	<0.05							
BLANK	MB	3050	<0.05							
STANDARD	CCV	1013C	5.05			5.00	101			
STANDARD	ICV	1013C	1.02			1.00	102			
SPIKE	MS	960507-001	0.95					<0.05	1.00	95
SPIKE	MS	960483-001	0.97					<0.05	1.00	97
DUPLICATE	MD	960483-001	<0.05	<0.05	NC					
DUPLICATE	MD	960507-001	<0.05	<0.05	NC					
PARAMETER:Lead (Pb), total REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:02/29/96 16:13 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER:102158 TECHNICIAN:GCC		
BLANK	MB	3051	<0.05							
BLANK	MB	3050	<0.05							
STANDARD	CCV	1013C	5.09			5.00	102			
STANDARD	ICV	1013C	1.03			1.00	103			
SPIKE	MS	960507-001	1.04					0.13	1.00	91
SPIKE	MS	960483-001	0.91					<0.05	1.00	91
DUPLICATE	MD	960483-001	<0.05	<0.05	NC					
DUPLICATE	MD	960507-001	0.13	0.14	0.01					
PARAMETER:Total Organic Halogen (TOX) REPORTING LIMIT/DF: 0.15 UNITS:mg/L				DATE/TIME ANALYZED:03/03/96 10:00 METHOD REFERENCE :EPA SW-846 9020				QC BATCH NUMBER:102276 TECHNICIAN:EBS		
BLANK	MB	DI H2O	<0.15							
STANDARD	RS	507.4.23	474			490	97			
SPIKE	MS	960521-1	1.54					0.59	0.87	109
DUPLICATE	MD	960521-1	0.59	0.63	0.04					
PARAMETER:Arsenic (As), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:03/05/96 16:12 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER:102489 TECHNICIAN:GCC		
BLANK	MB	3010	<0.05							
BLANK	MB	3010	<0.05							
STANDARD	ICV	Q1095	0.96			1.00	96			
STANDARD	CCV	1013C	4.99			5.00	100			
SPIKE	MS	960521-001	1.00					<0.05	1.00	100
DUPLICATE	MD	960521-001	<0.05	<0.05	NC					
PARAMETER:Cadmium (Cd), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:03/05/96 16:12 METHOD REFERENCE : SW-846 6010A				QC BATCH NUMBER:102490 TECHNICIAN:GCC		
BLANK	MB	3010	<0.05							
BLANK	MB	3010	<0.05							
STANDARD	ICV	Q1095	1.00			1.00	100			
STANDARD	CCV	1013C	4.93			5.00	99			

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QUALITY ASSURANCE REPORT
03/19/96

JOB NUMBER: 960521 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:Cadmium (Cd), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:03/05/96 16:12 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:102490 TECHNICIAN:GCC	
SPIKE	MS	960521-001	0.96					<0.05	1.00	96
DUPLICATE	MD	960521-001	<0.05	<0.05	NC					
PARAMETER:Chromium (Cr), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:03/05/96 16:12 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:102491 TECHNICIAN:GCC	
BLANK	MB	3010	<0.05							
BLANK	MB	3010	<0.05							
STANDARD	ICV	Q1095	1.02			1.00	102			
STANDARD	CCV	1013C	5.11			5.00	102			
SPIKE	MS	960521-001	0.83					<0.05	1.00	83
DUPLICATE	MD	960521-001	<0.05	<0.05	NC					
PARAMETER:Lead (Pb), extractable TCLP REPORTING LIMIT/DF: 0.05 UNITS:mg/L				DATE/TIME ANALYZED:03/05/96 16:12 METHOD REFERENCE : SW-846 6010A					QC BATCH NUMBER:102492 TECHNICIAN:GCC	
BLANK	MB	3010	<0.05							
BLANK	MB	3010	<0.05							
STANDARD	ICV	Q1095	1.03			1.00	103			
STANDARD	CCV	1013C	5.17			5.00	103			
SPIKE	MS	960521-001	0.84					<0.05	1.00	84
DUPLICATE	MD	960521-001	<0.05	<0.05	NC					

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QUALITY ASSURANCE REPORT
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

Volatiles Matrix Spike Compounds DATE ANALYZED: 02/27/96 TIME ANALYZED: 13:04 METHOD: EPA SW-846 8260 QC NUMBER:102270

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Chloromethane	MB	022796	1	<50	50	ug/kg
Vinyl chloride	MB	022796	1	<50	50	ug/kg
1,1-Dichloroethene	MB	022796	1	<10	10	ug/kg
1,1-Dichloroethane	MB	022796	1	<50	50	ug/kg
Chloroform	MB	022796	1	<50	50	ug/kg
Benzene	MB	022796	1	<10	10	ug/kg
Trichloroethene	MB	022796	1	<10	10	ug/kg
1,2-Dichloropropane	MB	022796	1	<50	50	ug/kg
Toluene	MB	022796	1	<10	10	ug/kg
Chlorobenzene	MB	022796	1	<10	10	ug/kg
Ethylbenzene	MB	022796	1	<50	50	ug/kg
Bromoform	MB	022796	1	<50	50	ug/kg
1,1,2,2-Tetrachloroethane	MB	022796	1	<50	50	ug/kg
Acetone	MB	022796	1	<100	100	ug/kg
Acrolein	MB	022796	1	<100	100	ug/kg
Acrylonitrile	MB	022796	1	<100	100	ug/kg
Bromodichloromethane	MB	022796	1	<50	50	ug/kg
Bromomethane	MB	022796	1	<50	50	ug/kg
Methyl ethyl ketone	MB	022796	1	<50	50	ug/kg
Carbon disulfide	MB	022796	1	<50	50	ug/kg
Carbon tetrachloride	MB	022796	1	<50	50	ug/kg
Chlorodibromomethane	MB	022796	1	<50	50	ug/kg
Chloroethane	MB	022796	1	<50	50	ug/kg
2-Chloroethylvinyl ether	MB	022796	1	<50	50	ug/kg
Dibromomethane	MB	022796	1	<50	50	ug/kg
Dichlorodifluoromethane	MB	022796	1	<100	100	ug/kg
1,2-Dichloroethane	MB	022796	1	<50	50	ug/kg
trans-1,2-Dichloroethene	MB	022796	1	<50	50	ug/kg
cis-1,3-Dichloropropene	MB	022796	1	<50	50	ug/kg
trans-1,3-Dichloropropene	MB	022796	1	<50	50	ug/kg
Ethyl methacrylate	MB	022796	1	<50	50	ug/kg
Methyl butyl ketone	MB	022796	1	<50	50	ug/kg
Iodomethane	MB	022796	1	<50	50	ug/kg
Methylene chloride	MB	022796	1	<500	500	ug/kg
Methyl isobutyl ketone	MB	022796	1	<50	50	ug/kg
Styrene	MB	022796	1	<50	50	ug/kg
Tetrachloroethene	MB	022796	1	<50	50	ug/kg
1,1,1-Trichloroethane	MB	022796	1	<50	50	ug/kg
1,1,2-Trichloroethane	MB	022796	1	<50	50	ug/kg
Trichlorofluoromethane	MB	022796	1	<50	50	ug/kg
1,2,3-Trichloropropane	MB	022796	1	<50	50	ug/kg
Vinyl acetate	MB	022796	1	<100	100	ug/kg
Total Xylenes	MB	022796	1	<50	50	ug/kg

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QUALITY ASSURANCE REPORT
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST MEYER

Volatiles Matrix Spike Compounds DATE ANALYZED: 02/27/96 TIME ANALYZED: 13:04 METHOD: EPA SW-846 8260 QC NUMBER:102270

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	531.12.1	1	94	100	94	50	ug/kg
Vinyl chloride	CC	531.12.1	1	99	100	99	50	ug/kg
1,1-Dichloroethene	CC	531.12.1	1	101	100	101	10	ug/kg
1,1-Dichloroethane	CC	531.12.1	1	96	100	96	50	ug/kg
Chloroform	CC	531.12.1	1	94	100	94	50	ug/kg
Benzene	CC	531.12.1	1	96	100	96	10	ug/kg
Trichloroethene	CC	531.12.1	1	100	100	100	10	ug/kg
1,2-Dichloropropane	CC	531.12.1	1	98	100	98	50	ug/kg
Toluene	CC	531.12.1	1	96	100	96	10	ug/kg
Chlorobenzene	CC	531.12.1	1	99	100	99	10	ug/kg
Ethylbenzene	CC	531.12.1	1	101	100	101	50	ug/kg
Bromoform	CC	531.12.1	1	105	100	105	50	ug/kg
1,1,2,2-Tetrachloroethane	CC	531.12.1	1	110	100	110	50	ug/kg
Dibromofluoromethane(Surrogate)	CC	531.12.1	1	50	50	100	5	ug/kg
Toluene d-8 (Surrogate)	CC	531.12.1	1	48	50	96	5	ug/kg
4-Bromofluorobenzene(Surrogate)	CC	531.12.1	1	50	50	100	5	ug/kg

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QUALITY ASSURANCE REPORT

03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

/olatiles Matrix Spike Compounds DATE ANALYZED: 02/27/96 TIME ANALYZED: 13:04 METHOD: EPA SW-846 8260 QC NUMBER:102270

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	960530-1	1	550	0	500	110	10	ug/kg
	MSD	960530-1	1	580	0	500	116	10	ug/kg
Benzene	MS	960530-1	1	490	0	500	98	10	ug/kg
	MSD	960530-1	1	500	0	500	100	10	ug/kg
Trichloroethene	MS	960530-1	1	520	0	500	104	10	ug/kg
	MSD	960530-1	1	510	0	500	102	10	ug/kg
Toluene	MS	960530-1	1	490	0	500	98	10	ug/kg
	MSD	960530-1	1	500	0	500	100	10	ug/kg
Chlorobenzene	MS	960530-1	1	490	0	500	98	10	ug/kg
	MSD	960530-1	1	480	0	500	96	10	ug/kg
Dibromofluoromethane(Surrogate	MB	022796-00	1	47	0	50	94	5	ug/kg
Toluene d-8 (Surrogate)	MB	022796-00	1	51	0	50	102	5	ug/kg
4-Bromofluorobenzene(Surrogate	MB	022796-00	1	46	0	50	92	5	ug/kg

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QUALITY ASSURANCE REPORT
03/19/96

IOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

/olatiles Matrix Spike Compounds DATE ANALYZED: 02/28/96 TIME ANALYZED: 13:28 METHOD: EPA SW-846 8260 QC NUMBER:102273

BLANKS

EST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
:hloromethane	MB	022896	1	<10	10	ug/L
/inyl chloride	MB	022896	1	<5	5	ug/L
,1-Dichloroethene	MB	022896	1	<5	5	ug/L
,1-Dichloroethane	MB	022896	1	<5	5	ug/L
:hloroform	MB	022896	1	<5	5	ug/L
lenzene	MB	022896	1	<5	5	ug/L
richloroethene	MB	022896	1	<5	5	ug/L
,2-Dichloropropane	MB	022896	1	<5	5	ug/L
'oluene	MB	022896	1	<5	5	ug/L
:hlorobenzene	MB	022896	1	<5	5	ug/L
:thylbenzene	MB	022896	1	<5	5	ug/L
;romoform	MB	022896	1	<5	5	ug/L
,1,2,2-Tetrachloroethane	MB	022896	1	<5	5	ug/L
;cetone	MB	022896	1	<50	50	ug/L
;crolein	MB	022896	1	<50	50	ug/L
;crylonitrile	MB	022896	1	<50	50	ug/L
:romodichloromethane	MB	022896	1	<5	5	ug/L
:romomethane	MB	022896	1	<5	5	ug/L
lethyl ethyl ketone	MB	022896	1	<100	100	ug/L
:arbon disulfide	MB	022896	1	<5	5	ug/L
:arbon tetrachloride	MB	022896	1	<5	5	ug/L
:hlorodibromomethane	MB	022896	1	<5	5	ug/L
:hloroethane	MB	022896	1	<5	5	ug/L
:-Chloroethylvinyl ether	MB	022896	1	<5	5	ug/L
ibromomethane	MB	022896	1	<5	5	ug/L
ichlorodifluoromethane	MB	022896	1	<10	10	ug/L
,2-Dichloroethane	MB	022896	1	<5	5	ug/L
rans-1,2-Dichloroethene	MB	022896	1	<5	5	ug/L
is-1,3-Dichloropropene	MB	022896	1	<5	5	ug/L
rans-1,3-Dichloropropene	MB	022896	1	<5	5	ug/L
thyl methacrylate	MB	022896	1	<5	5	ug/L
ethyl butyl ketone	MB	022896	1	<5	5	ug/L
odomethane	MB	022896	1	<5	5	ug/L
lethylene chloride	MB	022896	1	<50	50	ug/L
ethyl isobutyl ketone	MB	022896	1	<10	10	ug/L
:tyrene	MB	022896	1	<5	5	ug/L
etrachloroethene	MB	022896	1	<5	5	ug/L
,1,1-Trichloroethane	MB	022896	1	<5	5	ug/L
,1,2-Trichloroethane	MB	022896	1	<5	5	ug/L
richlorofluoromethane	MB	022896	1	<10	10	ug/L
,2,3-Trichloropropane	MB	022896	1	<5	5	ug/L
'inyl acetate	MB	022896	1	<10	10	ug/L
otal Xylenes	MB	022896	1	<10	10	ug/L

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QUALITY ASSURANCE REPORT
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

Volatiles Matrix Spike Compounds DATE ANALYZED: 02/28/96 TIME ANALYZED: 13:28 METHOD: EPA SW-846 8260 QC NUMBER:102273

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	531.12.1	1	104	100	104	10	ug/L
Vinyl chloride	CC	531.12.1	1	87	100	87	5	ug/L
1,1-Dichloroethene	CC	531.12.1	1	92	100	92	5	ug/L
1,1-Dichloroethane	CC	531.12.1	1	95	100	95	5	ug/L
Chloroform	CC	531.12.1	1	94	100	94	5	ug/L
Benzene	CC	531.12.1	1	100	100	100	5	ug/L
Trichloroethene	CC	531.12.1	1	96	100	96	5	ug/L
1,2-Dichloropropane	CC	531.12.1	1	96	100	96	5	ug/L
Toluene	CC	531.12.1	1	92	100	92	5	ug/L
Chlorobenzene	CC	531.12.1	1	101	100	101	5	ug/L
Ethylbenzene	CC	531.12.1	1	96	100	96	5	ug/L
Bromoform	CC	531.12.1	1	96	100	96	5	ug/L
1,1,2,2-Tetrachloroethane	CC	531.12.1	1	114	100	114	5	ug/L
Dibromofluoromethane(Surrogate)	CC	531.12.1	1	48	50	96	5	ug/L
Toluene d-8 (Surrogate)	CC	531.12.1	1	46	50	92	5	ug/L
4-Bromofluorobenzene(Surrogate)	CC	531.12.1	1	47	50	94	5	ug/L

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QUALITY ASSURANCE REPORT
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

Volatiles Matrix Spike Compounds DATE ANALYZED: 02/28/96 TIME ANALYZED: 13:28 METHOD: EPA SW-846 8260 QC NUMBER:102273

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	960571-1	1	170	0	200	85	5	ug/L
	MSD	960571-1	1	160	0	200	80	5	ug/L
Benzene	MS	960571-1	1	180	0	200	90	5	ug/L
	MSD	960571-1	1	190	0	200	95	5	ug/L
Trichloroethene	MS	960571-1	1	180	0	200	90	5	ug/L
	MSD	960571-1	1	170	0	200	85	5	ug/L
Toluene	MS	960571-1	1	160	0	200	80	5	ug/L
	MSD	960571-1	1	170	0	200	85	5	ug/L
Chlorobenzene	MS	960571-1	1	190	0	200	95	5	ug/L
	MSD	960571-1	1	180	0	200	90	5	ug/L
Dibromofluoromethane(Surrogate	MB	022896-00	1	48	0	50	96	5	ug/L
Toluene d-8 (Surrogate)	MB	022896-00	1	48	0	50	96	5	ug/L
4-Bromofluorobenzene(Surrogate	MB	022896-00	1	59	0	50	118	5	ug/L

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QUALITY ASSURANCE REPORT
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

BNA Matrix Spike Compounds DATE ANALYZED: 03/04/96 TIME ANALYZED: 13:39 METHOD: EPA SW-846 8270B QC NUMBER:102561

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Acenaphthene	MB	022896	1	<10	10	ug/L
4-Chloro-3-methylphenol	MB	022896	1	<20	20	ug/L
2-Chlorophenol	MB	022896	1	<10	10	ug/L
1,4-Dichlorobenzene	MB	022896	1	<10	10	ug/L
2,4-Dinitrotoluene	MB	022896	1	<10	10	ug/L
4-Nitrophenol	MB	022896	1	<50	50	ug/L
N-Nitrosodi-n-propylamine	MB	022896	1	<10	10	ug/L
Pentachlorophenol	MB	022896	1	<50	50	ug/L
Phenol	MB	022896	1	<10	10	ug/L
Pyrene	MB	022896	1	<10	10	ug/L
1,2,4-Trichlorobenzene	MB	022896	1	<10	10	ug/L

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QUALITY ASSURANCE REPORT
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN WATER DATE ANALYZED: 03/07/96 TIME ANALYZED: 20:52 METHOD: EPA 608 QC NUMBER:102795

BLANKS

TEST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
Aroclor-1016	MB	030496	1	<0.65	0.65	ug/L
Aroclor-1260	MB	030496	1	<0.65	0.65	ug/L

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QUALITY ASSURANCE REPORT
03/19/96

JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

BNA Matrix Spike Compounds DATE ANALYZED: 03/04/96 TIME ANALYZED: 13:39 METHOD: EPA SW-846 8270B QC NUMBER:102561

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	022896-00	1	85	0	100	85	10	ug/L
4-Chloro-3-methylphenol	BS	022896-00	1	160	0	200	80	20	ug/L
2-Chlorophenol	BS	022896-00	1	140	0	200	70	10	ug/L
1,4-Dichlorobenzene	BS	022896-00	1	63	0	100	63	10	ug/L
2,4-Dinitrotoluene	BS	022896-00	1	71	0	100	71	10	ug/L
4-Nitrophenol	BS	022896-00	1	150	0	200	75	50	ug/L
N-Nitrosodi-n-propylamine	BS	022896-00	1	89	0	100	89	10	ug/L
Pentachlorophenol	BS	022896-00	1	180	0	200	90	50	ug/L
Phenol	BS	022896-00	1	140	0	200	70	10	ug/L
Pyrene	BS	022896-00	1	90	0	100	90	10	ug/L
1,2,4-Trichlorobenzene	BS	022896-00	1	63	0	100	63	10	ug/L

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QUALITY ASSURANCE REPORT
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JOB NUMBER: 960521 CUSTOMER: TNRCC ATTN: ERNEST HEYER

PCBS IN WATER DATE ANALYZED: 03/07/96 TIME ANALYZED: 20:52 METHOD: EPA 608 QC NUMBER:102795

REFERENCE STANDARDS

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	TRUE VALUE	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
Aroclor-1016	CCV	B539.03.01	1	1060	1000	106	0.65	ug/L
Aroclor-1260	CCV	B539.03.01	1	1030	1000	103	0.65	ug/L
Tetrachloro-m-Xylene	SS	B539.02.07	1	0.1	0.1	100	0.03	ug/L
Decachlorobiphenyl	SS	B539.02.07	1	0.1	0.1	100	0.03	ug/L

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PCBS IN WATER DATE ANALYZED: 03/07/96 TIME ANALYZED: 20:52 METHOD: EPA 608 QC NUMBER:102795

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
Aroclor-1016	MS	960572-001	1	5	0	10	50	0.65	ug/L
Aroclor-1260	MS	960572-001	1	6	0	10	60	0.65	ug/L
Tetrachloro-m-Xylene	SS	960541-001	1	45	0	100	45	0.03	ug/L
	SS	960541-002	1	60	0	100	60	0.03	ug/L
	SS	960610-001	1	62	0	100	62	0.03	ug/L
Decachlorobiphenyl	SS	960541-001	1	60	0	100	60	0.03	ug/L
	SS	960541-002	1	71	0	100	71	0.03	ug/L
	SS	960571-001	1	44	0	100	44	0.03	ug/L
	SS	960572-001	1	51	0	100	51	0.03	ug/L
	SS	960610-001	1	89	0	100	89	0.03	ug/L
	SS	960610-003	1	50	0	100	50	0.03	ug/L
	SS	960521-002	1	57	0	100	57	0.03	ug/L
	SS	960521-001	1	54	0	100	54	0.03	ug/L

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PCBS IN WATER DATE ANALYZED: 03/07/96 TIME ANALYZED: 20:52 METHOD: EPA 608 QC NUMBER:102795

DUPLICATES

TEST DESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE (A)	DUPLICATE VALUE (B)	RPD or (|A-B|)	DETECTION LIMITS	UNITS OF MEASURE
Aroclor-1016	MSD	960572-001	1	5	5	0	0.65	ug/L
Aroclor-1260	MSD	960572-001	1	6	6	0	0.65	ug/L

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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*

MB = Method Blank
RB = Reagent Blank
SB = Storage Blank
ICB = Initial Calib. Blank
CCB = Continuing Calib. Blank

REFERENCE STANDARDS

RS = Reference Standard
CC = Continuing Calib.
LCS = Laboratory Control Std.
ICV = Initial Calib. Verification
CCV = Cont. Calib. Verification

SPIKES AND DUPLICATES

MS = Matrix Spike, BS = Blank Spike
SS = Surrogate Spike, MD = Matrix Dup.
PDS= Post Digested Spike
MSD= Matrix Spike Duplicate
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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