

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.02
QAQC# : 960517WJA
INST. BATCH# : 379814
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.02
SAMPLE : SAMPLE N07
LOCATION:

MATRIX : WATER
METHOD : SW 8270

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/20/96 11:24
DILUTION : 2
%MOISTURE: 0.00
LEVEL : LOW

SEMIVOLATILE ORGANICS - TCLP
RESULTS REPORTED IN mg/l

BLANK# : TB051696A1

<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.02	ND		PENTACHLOROPHENOL	0.1	ND	
4-METHYLPHENOL	0.02	ND		2,4,5-TRICHLOROPHENOL	0.1	ND	
TOTAL CRESOL'S	0.02	ND		2,4,6-TRICHLOROPHENOL	0.02	ND	
1,4-DICHLOROBENZENE	0.02	ND		HEXACHLOROBUTADIENE	0.02	ND	
2,4-DINITROTOLUENE	0.02	ND		HEXACHLOROETHANE	0.02	ND	
HEXACHLOROBENZENE	0.02	ND		PYRIDINE	0.02	ND	
NITROBENZENE	0.02	ND					

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	62%	2-FLUOROPHENOL	(21-100)	60%
2-FLUOROBIPHENYL	(43-116)	69%	PHENOL-D5	(10- 94)	42%
TERPHENYL-D14	(33-141)	97%	2,4,6-TRIBROMOPHENOL	(10-123)	91%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE

D = SURROGATES DILUTED OUT

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "HSW846", THIRD EDITION, NOVEMBER 1986

000202

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SEMICVOLATILE ORGANICS - TCLP

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2-METHYLPHENOL	0.02	ND		PENTACHLOROPHENOL	0.1	ND	
4-METHYLPHENOL	0.02	ND		2,4,5-TRICHLOROPHENOL	0.1	ND	
TOTAL CRESOL'S	0.02	ND		2,4,6-TRICHLOROPHENOL	0.02	ND	
1,4-DICHLOROBENZENE	0.02	ND		HEXACHLOROBUTADIENE	0.02	ND	
2,4-DINITROTOLUENE	0.02	ND		HEXACHLOROETHANE	0.02	ND	
HEXACHLOROBENZENE	0.02	ND		PYRIDINE	0.02	ND	
NITROBENZENE	0.02	ND					

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	62%	2-FLUOROPHENOL	(21-100)	60%
2-FLUOROBIPHENYL	(43-116)	69%	PHENOL-D5	(10- 94)	42%
TERPHENYL-D14	(33-141)	97%	2,4,6-TRIBROMOPHENOL	(10-123)	91%

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Client Name: Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

Client ID: SAMPLE N07

Project ID: PLASTIC'S TCLP

SWLO ID: 25619.02

Report: 25619.02

Collected: Report Date: 05/29/1996 **Page:** 1
Received: 05/16/1996 **Last Modified:** 05/29/1996 **Matrix:** Solid

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
METALS - ICP						SW 6010
ARSENIC		0.1	mg/l	ND	05/22/96	
BARIUM		0.005	mg/l	0.18	05/22/96	
CADMIUM		0.004	mg/l	0.004	05/22/96	
CHRONIUM		0.005	mg/l	0.006	05/22/96	
LEAD		0.04	mg/l	ND	05/22/96	
SILVER		0.005	mg/l	ND	05/22/96	
SELENIUM		0.1	mg/l	ND	05/22/96	
HG TOXICITY		0.0010	mg/l	ND	05/21/96	SW 7470

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000203

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.01
QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP

SAMPLED :

LAB# : 25619.01

SUBMITTED: 05/16/96

SAMPLE : SAMPLE 20

PREPARED : 05/16/96

LOCATION:

ANALYZED : 05/20/96 22:47

MATRIX : WATER

DILUTION : 5

METHOD : SW 8240

%MOISTURE: 0.00

LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION

RESULTS REPORTED IN mg/L

BLANK# : ZH051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
BENZENE	0.025	ND	1,1-DICHLOROETHENE	0.025	ND
CARBON TETRACHLORIDE	0.025	ND	TETRACHLOROETHENE	0.025	ND
CHLOROBENZENE	0.025	ND	TRICHLOROETHENE	0.025	ND
CHLOROFORM	0.025	ND	VINYL CHLORIDE	0.05	ND
1,2-DICHLOROETHANE	0.025	ND	2-BUTANONE	0.05	0.17

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(88-110)	100%	BROMOFLUOROBENZENE	(86-115)	106%
1,2-DICHLOROETHANE-D4	(76-114)	87%			

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D = SURROGATES DILUTED OUT

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J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

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SW = EPA METHODOLOGY, "SW846", THIRD EDITION, NOVEMBER 1986

EPA = #EPA600/4-79-020, MARCH 1985

000201

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Albuquerque, NM 87121

REPORT: 25619.01
QAQC# : 960517WJA
INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP

LAB# : 25619.01

SAMPLE : SAMPLE 20

LOCATION:

MATRIX : WATER

METHOD : SW 8270

SAMPLED :

SUBMITTED: 05/16/96

PREPARED : 05/16/96

ANALYZED : 05/19/96 00:35

DILUTION : 2

%MOISTURE: 0.00

LEVEL : LOW

SEMOVOLATILE ORGANICS - TCLP

RESULTS REPORTED IN mg/l

BLANK# : TB051696A1

PARAMETER	QUANT.		PARAMETER	QUANT.	
	LIMIT	RESULTS		LIMIT	RESULTS
2-METHYLPHENOL	0.02	ND	PENTACHLOROPHENOL	0.1	ND
4-METHYLPHENOL	0.02	ND	2,4,5-TRICHLOROPHENOL	0.1	ND
TOTAL CRESOL'S	0.02	ND	2,4,6-TRICHLOROPHENOL	0.02	ND
1,4-DICHLOROBENZENE	0.02	ND	HEXACHLOROBUTADIENE	0.02	ND
2,4-DINITROTOLUENE	0.02	ND	HEXACHLOROETHANE	0.02	ND
HEXACHLOROBENZENE	0.02	ND	PYRIDINE	0.02	ND
NITROBENZENE	0.02	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	71%	2-FLUOROPHENOL	(21-100)	59%
2-FLUOROBIPHENYL	(43-116)	71%	PHENOL-D5	(10- 94)	42%
TERPHENYL-D14	(33-141)	91%	2,4,6-TRIBROMOPHENOL	(10-123)	79%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

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I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

RPA = #EPA600/4-79-020, MARCH 1985

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000205

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Client Name: Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

Client ID: SAMPLE 20

Project ID: PLASTIC'S TCLP

SWLO ID: 25619.01

Report: 25619.01

Collected: Report Date: 05/29/1996 Page: 1
Received: 05/16/1996 Last Modified: 05/29/1996 Matrix: Solid

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
METALS - ICP						SW 6010
ARSENIC	0.1	mg/l	ND	05/22/96		
BARIUM	0.005	mg/l	0.13	05/22/96		
CADMIUM	0.004	mg/l	ND	05/22/96		
CHROMIUM	0.005	mg/l	ND	05/22/96		
LEAD	0.04	mg/l	ND	05/22/96		
SILVER	0.005	mg/l	ND	05/22/96		
SELENIUM	0.1	mg/l	ND	05/22/96		
HG TOXICITY	0.0010	mg/l	ND	05/21/96		SW 7470

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I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

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QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP

LAB# : METHOD BLANK

SAMPLE : U960520A

LOCATION:

MATRIX : WATER

METHOD : SW 8240

ANALYZED : 05/20/96 14:02

DILUTION : 1

%MOISTURE: 0.00

LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION RESULTS REPORTED IN mg/L

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
BENZENE	0.005	ND	1,1-DICHLOROETHENE	0.005	ND
CARBON TETRACHLORIDE	0.005	ND	TETRACHLOROETHENE	0.005	ND
CHLOROBENZENE	0.005	ND	TRICHLOROETHENE	0.005	ND
CHLOROFORM	0.005	ND	VINYL CHLORIDE	0.01	ND
1,2-DICHLOROETHANE	0.005	ND	2-BUTANONE	0.01	ND

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(88-110)	100%	BROMOFLUOROBENZENE	(86-115)	105%
1,2-DICHLOROETHANE-D4	(76-114)	88%			

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QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP

LAB# : TCLP BLANK

SAMPLE : ZH051696A1

LOCATION:

MATRIX : WATER

METHOD : SW 8240

PREPARED : 05/16/96
ANALYZED : 05/20/96 15:07
DILUTION : 1
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION

BLANK# : ZH051696A1

RESULTS REPORTED IN mg/L

<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>
BENZENE		0.005	ND	1,1-DICHLOROETHENE		0.005	ND
CARBON TETRACHLORIDE		0.005	ND	TETRACHLOROETHENE		0.005	ND
CHLOROBENZENE		0.005	ND	TRICHLOROETHENE		0.005	ND
CHLOROFORM		0.005	ND	VINYL CHLORIDE		0.01	ND
1,2-DICHLOROETHANE		0.005	ND	2-BUTANONE		0.01	0.0042 J

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(88-110)	100%	BROMOFLUOROBENZENE	(86-115)	104%
1,2-DICHLOROETHANE-D4	(76-114)	88%			

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QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP

SPIKE SAMPLE : LCS

SPIKE DUP SAMPLE: LCSD

MATRIX : WATER

ANALYZED : 05/20/96 14:24

ANALYZED : 05/20/96 14:45

VOLATILE ORGANICS /TCLP EXTRACTION SPIKE/SPIKE DUPLICATE RECOVERY

Parameter	ug/L	SPIKE AMOUNT	SPIKE CONC.	SPIKE %Rec	DUP CONC.	DUP %Rec	MAX RPD	LIMITS RPD	%Rec.
VINYL CHLORIDE		50	44	88	40	80	10.6	25	65-167
1,1-DICHLOROETHENE		50	45	90	44	89	1.58	32	54-161
2-BUTANONE		50	43	86	42	85	1.8	29	42-173
CHLOROFORM		50	47	95	47	94	1.06	19	57-152
CARBON TETRACHLORIDE		50	47	93	47	94	< 1	49	37-182
BENZENE		50	47	94	47	93	< 1	46	70-134
1,2-DICHLOROETHANE		50	46	91	45	90	1.5	26	59-151
TRICHLOROETHENE		50	48	95	47	95	< 1	38	67-149
TOLUENE		50	48	95	47	94	1.27	15	75-140
TETRACHLOROETHENE		50	50	100	50	101	< 1	24	61-141
CHLOROBENZENE		50	48	95	47	94	1.06	14	72-135

QA/QC SURROGATE RECOVERIES

Parameter	SPIKE %Rec	DUP %Rec	Limits
TOLUENE-D8	101	100	88-110
BROMOFLUOROBENZENE	105	106	86-115
1,2-DICHLOROETHANE-D4	92	92	76-114

RECOVERIES AND RPDs ARE CALCULATED USING INSTRUMENT READINGS PRIOR TO
ROUNDING THE SPIKE AND DUPLICATE CONCENTRATIONS TO TWO SIGNIFICANT FIGURES.

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INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP

LAB# : METHOD BLANK

SAMPLE : BL0517WJ

LOCATION:

MATRIX : WATER

METHOD : SW 8270

PREPARED : 05/17/96

ANALYZED : 05/18/96 19:55

DILUTION : 1

%MOISTURE: 0.00

LEVEL : LOW

SEMICVOLATILE ORGANICS - TCLP

RESULTS REPORTED IN mg/l

BLANK# : TB051696A1

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2-METHYLPHENOL	0.01	ND		PENTACHLOROPHENOL	0.05	ND	
4-METHYLPHENOL	0.01	ND		2,4,5-TRICHLOROPHENOL	0.05	ND	
TOTAL CRESOL'S	0.01	ND		2,4,6-TRICHLOROPHENOL	0.01	ND	
1,4-DICHLOROBENZENE	0.01	ND		HEXACHLOROBUTADIENE	0.01	ND	
2,4-DINITROTOLUENE	0.01	ND		HEXACHLOROETHANE	0.01	ND	
HEXACHLOROBENZENE	0.01	ND		PYRIDINE	0.01	ND	
NITROBENZENE	0.01	ND					

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	52%	2-FLUOROPHENOL	(21-100)	44%
2-FLUOROBIPHENYL	(43-116)	58%	PHENOL-D5	(10- 94)	25%
TERPHENYL-D14	(33-141)	92%	2,4,6-TRIBROMOPHENOL	(10-123)	60%

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B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

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000010

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2958

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : 960517WJA
INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP

LAB# : TCLP BLANK

SAMPLE : TB051696A1

LOCATION:

MATRIX : WATER

METHOD : SW 8270

PREPARED : 05/16/96

ANALYZED : 05/18/96 20:26

DILUTION : 2

%MOISTURE: 0.00

LEVEL : LOW

SEMOVOLATILE ORGANICS - TCLP

RESULTS REPORTED IN mg/l

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<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.02	ND	PENTACHLOROPHENOL	0.1	ND
4-METHYLPHENOL	0.02	ND	2,4,5-TRICHLOROPHENOL	0.1	ND
TOTAL CRESOL'S	0.02	ND	2,4,6-TRICHLOROPHENOL	0.02	ND
1,4-DICHLOROBENZENE	0.02	ND	HEXACHLOROBUTADIENE	0.02	ND
2,4-DINITROTOLUENE	0.02	ND	HEXACHLOROETHANE	0.02	ND
HEXACHLOROBENZENE	0.02	ND	PYRIDINE	0.02	ND
NITROBENZENE	0.02	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	56%	2-FLUOROPHENOL	(21-100)	67%
2-FLUOROBIPHENYL	(43-116)	64%	PHENOL-D5	(10- 94)	38%
TERPHENYL-D14	(33-141)	96%	2,4,6-TRIBROMOPHENOL	(10-123)	80%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000211

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : 960517WJA
INST. BATCH# : 475110
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
SPIKE SAMPLE : TC0517WJ
SPIKE DUP SAMPLE: TD0517WJ
MATRIX : WATER

PREPARED : 05/17/96
ANALYZED : 05/18/96 20:57
ANALYZED : 05/18/96 21:28

SEMOVOLATILE ORGANICS - TCLP
SPIKE/SPIKE DUPLICATE RECOVERY

Parameter	ug/L	SPIKE AMOUNT	SPIKE CONC.	SPIKE %Rec	DUP CONC.	DUP %Rec	RPD	MAX RPD	LIMITS %Rec.
1,4-DICHLOROBENZENE		100	62	62	65	65	3.8	13	34-98
2-METHYLPHENOL		100	54	54*	58	58*	7.66	17	66-105
PYRIDINE		100	30	30	29	29	4.04	17	7-87
4-METHYLPHENOL		200	97	49*	110	54	10.3	16	54-105
HEXACHLOROETHANE		100	67	67	74	74	9.5	21	40-104
NITROBENZENE		100	70	70	76	76	7.83	19	49-110
HEXACHLOROBUTADIENE		100	66	66	66	66	< 1	21	36-104
2,4,6-TRICHLOROPHENOL		100	57	57	58	58	1.42	17	56-110
2,4,5-TRICHLOROPHENOL		100	60	60	61	61	1.74	20	51-109
PENTACHLOROPHENOL		100	43	43	32	32*	29.8	57	33-143
HEXACHLOROBENZENE		100	61	61	68	68	10.9	20	17-139
2,4-DINITROTOLUENE		100	52	52	62	62	17.4	22	51-112

QA/QC SURROGATE RECOVERIES

Parameter	SPIKE	%Rec	DUP	%Rec	Limits
NITROBENZENE-D5		61	65		35-114
2-FLUOROPHENOL		54	53		21-100
2-FLUOROBIPHENYL		72	74		43-116
PHENOL-D5		28	30		10-94
TERPHENYL-D14		99	106		33-141
2,4,6-TRIBROMOPHENOL		80	84*		10-123

* Outside of QC Limits

RECOVERIES AND RPDs ARE CALCULATED USING INSTRUMENT READINGS PRIOR TO
ROUNDING THE SPIKE AND DUPLICATE CONCENTRATIONS TO TWO SIGNIFICANT FIGURES.

000212

QA/QC

000213

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

**TCLP METALS
INORGANICS QUALITY CONTROL DATA SHEET
LCS/LCSD**

MATRIX **TCLP**
EPIISODE 25619
CLIENT IRC

BATCHID-HCP 96052015
BATCHID-CV 960520HG4

UNITS
SAMPLE #
SPIKE #
DUP #

000214

PARAMETER	TEST CODE	METHOD BLANK		LCS			LCS DUPLICATE			RPD			DATE	ANALYST	INSTR.
		AMT. FOUND	DET. LIMIT	KNOWN CONC.	AMT. FOUND	% REC.	LIMITS	AMT. FOUND	% REC.	FLAG	RPD	LIMITS	FLAG		
Argentic	MT64	<0.1	0.100	2.00	2.16	108	80 120	2.25	112.5	4.062	20	22-May-96	JLW	TJA61	
Barium	MT64	<0.005	0.005	2.00	1.9	95	80 120	2.02	101	6.122	20				
Cadmium	MT64	<0.004	0.004	0.05	0.05	100	80 120	0.051	102	1.98	20	22-May-96	JLW	TJA61	
Chromium	MT64	<0.005	0.005	0.20	0.203	101.5	80 120	0.211	105.5	3.865	20	22-May-96	JLW	TJA61	
Lead	MT24	<0.04	0.040	0.50	0.491	98.2	80 120	0.508	101.6	3.403	20	22-May-96	JLW	TJA61	
Mercury	MT64	<0.001	0.0010	0.0110	0.0110	110	80 120	0.0100	100	9.524	20	21-May-96	SR	PS200B	
Selenium	MT34	<0.1	0.100	2.00	1.96	98	80 120	2.06	103	4.975	20	22-May-96	JLW	TJA61	
Silver	MT44	<0.005	0.005	0.05	0.043	86	80 120	0.045	90	4.545	20	22-May-96	JLW	TJA61	

NARRATIVE:

25619
TLC/SW
29-May-96

REV 4.1
dp

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.01
QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.01
SAMPLE : SAMPLE 20
LOCATION:

MATRIX : WATER
METHOD : SW 8240

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/20/96 22:47
DILUTION : 5
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION
RESULTS REPORTED IN mg/L

BLANK# : ZH051696A1

<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>
BENZENE	0.025	ND		1,1-DICHLOROETHENE	0.025	ND	
CARBON TETRACHLORIDE	0.025	ND		TETRACHLOROETHENE	0.025	ND	
CHLOROBENZENE	0.025	ND		TRICHLOROETHENE	0.025	ND	
CHLOROFORM	0.025	ND		VINYL CHLORIDE	0.05	ND	
1,2-DICHLOROETHANE	0.025	ND		2-BUTANONE	0.05	0.17	

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(86-116)	100%	BROMOFLUOROBENZENE	(86-115)	106%
1,2-DICHLOROETHANE-D4	(75-114)	87%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
RPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "SW846", THIRD EDITION, NOVEMBER 1986

000215

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.01
QAQC# : 960517WJA
INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.01
SAMPLE : SAMPLE 20
LOCATION:

MATRIX : WATER
METHOD : SW 8270

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/19/96 00:35
DILUTION : 2
%MOISTURE: 0.00
LEVEL : LOW

SEMIVOLATILE ORGANICS - TCLP
RESULTS REPORTED IN mg/l

BLANK# : TB051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.02	ND	PENTACHLOROPHENOL	0.1	ND
4-METHYLPHENOL	0.02	ND	2,4,5-TRICHLOROPHENOL	0.1	ND
TOTAL CRESOL'S	0.02	ND	2,4,6-TRICHLOROPHENOL	0.02	ND
1,4-DICHLOROBENZENE	0.02	ND	HEXACHLOROBUTADIENE	0.02	ND
2,4-DINITROTOLUENE	0.02	ND	HEXACHLOROETHANE	0.02	ND
HEXACHLOROBENZENE	0.02	ND	PYRIDINE	0.02	ND
NITROBENZENE	0.02	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	71%	2-FLUOROPHENOL	(21-100)	59%
2-FLUOROBIPHENYL	(43-116)	71%	PHENOL-D5	(10- 94)	42%
TERPHENYL-D14	(33-141)	91%	2,4,6-TRIBROMOPHENOL	(10-123)	79%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SM = EPA METHODOLOGY, "ESRM86", THIRD EDITION, NOVEMBER 1986

000216

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

Client ID: SAMPLE 20

Project ID: PLASTIC'S TCLP

SWLO ID: 25619.01

Report: 25619.01

Collected: Report Date: 05/29/1996 Page: 1
Received: 05/16/1996 Last Modified: 05/29/1996 Matrix: Solid

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
METALS - ICP						SW 6010
ARSENIC	0.1	mg/l	ND	05/22/96		
BARIUM	0.005	mg/l	0.13	05/22/96		
CADMIUM	0.004	mg/l	ND	05/22/96		
CHROMIUM	0.005	mg/l	ND	05/22/96		
LEAD	0.04	mg/l	ND	05/22/96		
SILVER	0.005	mg/l	ND	05/22/96		
SELENIUM	0.1	mg/l	ND	05/22/96		
HG TOXICITY	0.0010	mg/l	ND	05/21/96		SW 7470

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "NSW846", THIRD EDITION, NOVEMBER 1986

000217

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.02
QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.02
SAMPLE : SAMPLE N07
LOCATION:

MATRIX : WATER
METHOD : SW 824C

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/20/96 23:09
DILUTION : 5
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION
RESULTS REPORTED IN mg/L

BLANK# : ZH051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
BENZENE	0.025	ND	1,1-DICHLOROETHENE	0.025	ND
CARBON TETRACHLORIDE	0.025	ND	TETRACHLOROETHENE	0.025	ND
CHLOROBENZENE	0.025	ND	TRICHLOROETHENE	0.025	ND
CHLOROFORM	0.025	ND	VINYL CHLORIDE	0.05	ND
1,2-DICHLOROETHANE	0.025	ND	2-BUTANONE	0.05	0.24

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(88-110)	101%	BROMOFLUOROBENZENE	(86-115)	106%
1,2-DICHLOROETHANE-D4	(76-114)	88%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000218

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.02
QAQC# : 960517WJA
INST. BATCH# : 379814
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.02
SAMPLE : SAMPLE N07
LOCATION:

MATRIX : WATER
METHOD : SW 8270

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/20/96 11:24
DILUTION : 2
%MOISTURE: 0.00
LEVEL : LOW

BLANK# : TB051696A1

SEMICVOLATILE ORGANICS - TCLP
RESULTS REPORTED IN mg/l

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.02	ND	PENTACHLOROPHENOL	0.1	ND
4-METHYLPHENOL	0.02	ND	2,4,5-TRICHLOROPHENOL	0.1	ND
TOTAL CRESOL'S	0.02	ND	2,4,6-TRICHLOROPHENOL	0.02	ND
1,4-DICHLOROBENZENE	0.02	ND	HEXACHLOROBUTADIENE	0.02	ND
2,4-DINITROTOLUENE	0.02	ND	HEXACHLOROETHANE	0.02	ND
HEXACHLOROBENZENE	0.02	ND	PYRIDINE	0.02	ND
NITROBENZENE	0.02	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	62%	2-FLUOROPHENOL	(21-100)	60%
2-FLUOROBIPHENYL	(43-116)	69%	PHENOL-D5	(10- 94)	42%
TERPHENYL-D14	(33-141)	97%	2,4,6-TRIBROMOPHENOL	(10-123)	91%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "SWS846", THIRD EDITION, NOVEMBER 1986

000219

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

Client ID: SAMPLE N07

Project ID: PLASTIC'S TCLP

SWLO ID: 25619.02

Report: 25619.02

Collected:

Report Date: 05/29/1996 **Page:** 1
Received: 05/16/1996 **Last Modified:** 05/29/1996 **Matrix:** Solid

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
METALS - ICP						SW 6010
ARSENIC		0.1	mg/l	ND	05/22/96	
BARIUM		0.005	mg/l	0.18	05/22/96	
CADMIUM		0.004	mg/l	0.004	05/22/96	
CHROMIUM		0.005	mg/l	0.006	05/22/96	
LEAD		0.04	mg/l	ND	05/22/96	
SILVER		0.005	mg/l	ND	05/22/96	
SELENIUM		0.1	mg/l	ND	05/22/96	
HG TOXICITY		0.0010	mg/l	ND	05/21/96	SW 7470

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000220

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : METHOD BLANK
SAMPLE : U960520A
LOCATION:

MATRIX : WATER
METHOD : SW 8240

ANALYZED : 05/20/96 14:02
DILUTION : 1
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION RESULTS REPORTED IN mg/L

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
BENZENE	0.005	ND	1,1-DICHLOROETHENE	0.005	ND
CARBON TETRACHLORIDE	0.005	ND	TETRACHLOROETHENE	0.005	ND
CHLOROBENZENE	0.005	ND	TRICHLOROETHENE	0.005	ND
CHLOROFORM	0.005	ND	VINYL CHLORIDE	0.01	ND
1,2-DICHLOROETHANE	0.005	ND	2-BUTANONE	0.01	ND

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(88-110)	100%	BROMOFLUOROBENZENE	(86-115)	105%
1,2-DICHLOROETHANE-D4	(76-114)	88%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SW = EPA METHODOLOGY, "HSWB46", THIRD EDITION, NOVEMBER 1986

000221

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : TCLP BLANK
SAMPLE : ZH051696A1
LOCATION:

MATRIX : WATER
METHOD : SW 8240

PREPARED : 05/16/96
ANALYZED : 05/20/96 15:07
DILUTION : 1
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRATION
RESULTS REPORTED IN mg/L

BLANK# : ZH051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
BENZENE	0.005	ND	1,1-DICHLOROETHENE	0.005	ND
CARBON TETRACHLORIDE	0.005	ND	TETRACHLOROETHENE	0.005	ND
CHLOROBENZENE	0.005	ND	TRICHLOROETHENE	0.005	ND
CHLOROFORM	0.005	ND	VINYL CHLORIDE	0.01	ND
1,2-DICHLOROETHANE	0.005	ND	2-BUTANONE	0.01	0.0042 J

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(88-110)	100%	BROMOFLUOROBENZENE	(86-115)	104%
1,2-DICHLOROETHANE-D4	(76-114)	88%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SM = EPA METHODOLOGY, "#SM846", THIRD EDITION, NOVEMBER 1986

000222

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74121-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd. S.W.
Albuquerque, NM 87121

QAQC# : 960517WJA
INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : METHOD BLANK
SAMPLE : BL0517WJ
LOCATION:

MATRIX : WATER
METHOD : SW 8270

PREPARED : 05/17/96
ANALYZED : 05/18/96 19:55
DILUTION : 1
%MOISTURE: 0.00
LEVEL : LOW

SEMIVOLATILE ORGANICS - TCLP
RESULTS REPORTED IN mg/l

BLANK# : TB051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.01	ND	PENTACHLOROPHENOL	0.05	ND
4-METHYLPHENOL	0.01	ND	2,4,5-TRICHLOROPHENOL	0.05	ND
TOTAL CRESOL'S	0.01	ND	2,4,6-TRICHLOROPHENOL	0.01	ND
1,4-DICHLOROBENZENE	0.01	ND	HEXACHLOROBUTADIENE	0.01	ND
2,4-DINITROTOLUENE	0.01	ND	HEXACHLOROETHANE	0.01	ND
HEXACHLOROBENZENE	0.01	ND	PYRIDINE	0.01	ND
NITROBENZENE	0.01	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	52%	2-FLUOROPHENOL	(21-100)	44%
2-FLUOROBIPHENYL	(43-116)	56%	PHENOL-D5	(10- 94)	25%
TERPHENYL-D14	(33-141)	92%	2,4,6-TRIBROMOPHENOL	(10-123)	60%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SW = EPA METHODOLOGY, "SW846", THIRD EDITION, NOVEMBER 1986

000223

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 N. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : 960517WJA
INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : TCLP BLANK
SAMPLE : TB051696A1
LOCATION:
MATRIX : WATER
METHOD : SW 8270

PREPARED : 05/16/96
ANALYZED : 05/18/96 20:26
DILUTION : 2
%MOISTURE: 0.00
LEVEL : LOW

SEMOVOLATILE ORGANICS - TCLP
RESULTS REPORTED IN mg/l

BLANK# : TB051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.02	ND	PENTACHLOROPHENOL	0.1	ND
4-METHYLPHENOL	0.02	ND	2,4,5-TRICHLOROPHENOL	0.1	ND
TOTAL CRESOL'S	0.02	ND	2,4,6-TRICHLOROPHENOL	0.02	ND
1,4-DICHLOROBENZENE	0.02	ND	HEXACHLOROBUTADIENE	0.02	ND
2,4-DINITROTOLUENE	0.02	ND	HEXACHLOROETHANE	0.02	ND
HEXACHLOROBENZENE	0.02	ND	PYRIDINE	0.02	ND
NITROBENZENE	0.02	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	56%	2-FLUOROPHENOL	(21-100)	67%
2-FLUOROBIPHENYL	(43-116)	64%	PHENOL-D5	(10- 94)	38%
TERPHENYL-D14	(33-141)	96%	2,4,6-TRIBROMOPHENOL	(10-123)	80%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SW = EPA METHODOLOGY, "#SM846", THIRD EDITION, NOVEMBER 1986

000224

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
SPIKE SAMPLE : LCS
SPIKE DUP SAMPLE: LCSD
MATRIX : WATER

ANALYZED : 05/20/96 14:24
ANALYZED : 05/20/96 14:45

VOLATILE ORGANICS /TCLP EXTRACTION SPIKE/SPIKE DUPLICATE RECOVERY

Parameter	ug/L	SPIKE AMOUNT	SPIKE CONC.	SPIKE %Rec	DUP CONC.	DUP %Rec	RPD	MAX RPD	LIMITS %Rec.
VINYL CHLORIDE		50	44	88	40	80	10.6	25	65-167
1,1-DICHLOROETHENE		50	45	90	44	89	1.58	32	54-161
2-BUTANONE		50	43	86	42	85	1.8	29	42-173
CHLOROFORM		50	47	95	47	94	1.06	19	57-152
CARBON TETRACHLORIDE		50	47	93	47	94	< 1	49	37-182
BENZENE		50	47	94	47	93	< 1	46	70-134
1,2-DICHLOROETHANE		50	46	91	45	90	1.5	26	59-151
TRICHLOROETHENE		50	48	95	47	95	< 1	38	67-149
TOLUENE		50	48	95	47	94	1.27	15	75-140
TETRACHLOROETHENE		50	50	100	50	101	< 1	24	61-141
CHLOROBENZENE		50	46	95	47	94	1.06	14	72-135

QA/QC SURROGATE RECOVERIES

Parameter	SPIKE %Rec	DUP %Rec	Limits
TOLUENE-D8	101	100	88-110
BROMOFLUOROBENZENE	105	106	86-115
1,2-DICHLOROBTHANE-D4	92	92	76-114

RECOVERIES AND RPDs ARE CALCULATED USING INSTRUMENT READINGS PRIOR TO
ROUNDING THE SPIKE AND DUPLICATE CONCENTRATIONS TO TWO SIGNIFICANT FIGURES.

000225

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : 960517WJA
INST. BATCH# : 475110
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
SPIKE SAMPLE : TC0517WJ
SPIKE DUP SAMPLE: TD0517WJ
MATRIX : WATER

PREPARED : 05/17/96
ANALYZED : 05/18/96 20:57
ANALYZED : 05/18/96 21:28

SEMOVOLATILE ORGANICS - TCLP SPIKE/SPIKE DUPLICATE RECOVERY

Parameter	ug/L	SPIKE AMOUNT	SPIKE CONC.	SPIKE %Rec	DUP CONC.	DUP %Rec	MAX RPD	LIMITS RPD	%Rec.
1,4-DICHLOROBENZENE		100	62	62	65	65	3.8	13	34-98
2-METHYLPHENOL		100	54	54*	58	58*	7.66	17	66-105
PYRIDINE		100	30	30	29	29	4.04	17	7-87
4-METHYLPHENOL		200	97	49*	110	54	10.3	16	54-105
HEXACHLOROETHANE		100	67	67	74	74	9.5	21	40-104
NITROBENZENE		100	70	70	76	76	7.83	19	49-110
HEXACHLOROBUTADIENE		100	66	66	66	66	< 1	21	36-104
2,4,6-TRICHLOROPHENOL		100	57	57	58	58	1.42	17	56-110
2,4,5-TRICHLOROPHENOL		100	60	60	61	61	1.74	20	51-109
PENTACHLOROPHENOL		100	43	43	32	32*	29.8	57	33-143
HEXACHLOROBENZENE		100	61	61	68	68	10.9	20	17-139
2,4-DINITROTOLUENE		100	52	52	62	62	17.4	22	51-112

QA/QC SURROGATE RECOVERIES

Parameter	SPIKE	%Rec	DUP	%Rec	Limits
NITROBENZENE-D5		61		65	35-114
2-FLUOROPHENOL		54		53	21-100
2-FLUOROBIPHENYL		72		74	43-116
PHENOL-D5		28		30	10-94
TERPHENYL-D14		99		106	33-141
2,4,6-TRIBROMOPHENOL		80		84	10-123

* Outside of QC Limits.

RECOVERIES AND RPDs ARE CALCULATED USING INSTRUMENT READINGS PRIOR TO
ROUNDING THE SPIKE AND DUPLICATE CONCENTRATIONS TO TWO SIGNIFICANT FIGURES.

000226

TCLP METALS
INORGANICS QUALITY CONTROL DATA SHEET
LCS/LCSD

MATRIX **TCLP**
 EPISODE 25619
 CLIENT IRC

BATCHID-ICP 96052015
 BATCHID-CV 96052015-G4

UNITS	SAMPLE #	SPike #	DUP #
mg/l	METHOD BLANK	LCS	LCSD

PARAMETER	TEST CODE	METHOD BLANK		LCS		LCS DUPLICATE		RPD		DATE	Analyst	INSTR.	
		AMT.	DET.	KNOWN	AMT.	% REC	AMT.	% REC	RPD	LIMITS	FLAG		
		FOUND	LIMIT	CONC.	FOUND	AMT.	FLAG	FOUND	%REC	FLAG	DATE	Initial	
Arsenic	MT64	<0.1	0.100	2.00	2.16	108	80	120	2.25	112.5	4.062	20	22-May-96 J.W TJA61
Barium	MT64	<0.005	0.005	2.00	1.9	95	80	120	2.02	101	6.122	20	22-May-96 J.W TJA61
Cadmium	MT24	<0.004	0.004	0.05	0.05	100	80	120	0.051	102	1.98	" 20	22-May-96 J.W TJA61
Chromium	MT64	<0.005	0.005	0.20	0.203	101.5	80	120	0.211	105.5	3.865	20	22-May-96 J.W TJA61
Lead	MT24	<0.04	0.040	0.50	0.491	98.2	80	120	0.508	101.6	3.403	20	22-May-96 J.W TJA61
Mercury	MT34	<0.001	0.0010	0.0100	0.0110	110	80	120	0.0100	100	9.524	20	21-May-96 SR PS200B
Selenium	MT34	<0.1	0.100	2.00	1.96	98	80	120	2.06	103	4.975	20	22-May-96 J.W TJA61
Silver	MT404	<0.005	0.005	0.05	0.043	86	80	120	0.045	90	4.545	20	22-May-96 J.W TJA61

NARRATIVE:

25619
 /LCSW
 29-May-96
 REV 4.1
 dp

000227

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.01
QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.01
SAMPLE : SAMPLE 20
LOCATION:

MATRIX : WATER
METHOD : SW 8240

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/20/96 22:47
DILUTION : 5
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION
RESULTS REPORTED IN mg/L

BLANK# : ZH051696A1

<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>
BENZENE	0.025	ND		1,1-DICHLOROETHENE	0.025	ND	
CARBON TETRACHLORIDE	0.025	ND		TETRACHLOROETHENE	0.025	ND	
CHLOROBENZENE	0.025	ND		TRICHLOROETHENE	0.025	ND	
CHLOROFORM	0.025	ND		VINYL CHLORIDE	0.05	ND	
1,2-DICHLOROETHANE	0.025	ND		2-BUTANONE	0.05	0.17	

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(86-116)	100%	BROMOFLUOROBENZENE	(86-115)	106%
1,2-DICHLOROETHANE-D4	(74-114)	87%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = EPA 600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SM = EPA METHODOLOGY, "SW846", THIRD EDITION, NOVEMBER 1986

000228

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.01
QAQC# : 960517WJA
INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.01
SAMPLE : SAMPLE 20
LOCATION:

MATRIX : WATER
METHOD : SW 8270

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/19/96 00:35
DILUTION : 2
%MOISTURE: 0.00
LEVEL : LOW

SEMICVOLATILE ORGANICS - TCLP
RESULTS REPORTED IN mg/l

BLANK# : TB051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.02	ND	PENTACHLOROPHENOL	0.1	ND
4-METHYLPHENOL	0.02	ND	2,4,5-TRICHLOROPHENOL	0.1	ND
TOTAL CRESOL'S	0.02	ND	2,4,6-TRICHLOROPHENOL	0.02	ND
1,4-DICHLOROBENZENE	0.02	ND	HEXACHLOROBUTADIENE	0.02	ND
2,4-DINITROTOLUENE	0.02	ND	HEXACHLOROETHANE	0.02	ND
HEXACHLOROBENZENE	0.02	ND	PYRIDINE	0.02	ND
NITROBENZENE	0.02	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	71%	2-FLUOROPHENOL	(21-100)	59%
2-FLUOROBIPHENYL	(43-116)	71%	PHENOL-D5	(10- 94)	42%
TERPHENYL-D14	(33-141)	91%	2,4,6-TRIBROMOPHENOL	(10-123)	79%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 15th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "HSM846", THIRD EDITION, NOVEMBER 1986

000229

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

Client ID: SAMPLE 20

Project ID: PLASTIC'S TCLP

SWLO ID: 25619.01

Report: 25619.01

Collected:
Received: 05/16/1996

Report Date: 05/29/1996 **Page:** 1
Last Modified: 05/29/1996 **Matrix:** Solid

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
METALS - ICP						SW 6010
ARSENIC	0.1	mg/l	ND	05/22/96		
BARIUM	0.005	mg/l	0.13	05/22/96		
CADMIUM	0.004	mg/l	ND	05/22/96		
CHROMIUM	0.005	mg/l	ND	05/22/96		
LEAD	0.04	mg/l	ND	05/22/96		
SILVER	0.005	mg/l	ND	05/22/96		
SELENIUM	0.1	mg/l	ND	05/22/96		
HG TOXICITY	0.0010	mg/l	ND	05/21/96		SW 7470

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "SW846", THIRD EDITION, NOVEMBER 1986

000230

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.02
QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.02
SAMPLE : SAMPLE N07
LOCATION:

MATRIX : WATER
METHOD : SW 8240

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/20/96 23:09
DILUTION : 5
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION
RESULTS REPORTED IN mg/L

BLANK# : ZH051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
BENZENE	0.025	ND	1,1-DICHLOROETHENE	0.025	ND
CARBON TETRACHLORIDE	0.025	ND	TETRACHLOROETHENE	0.025	ND
CHLOROBENZENE	0.025	ND	TRICHLOROETHENE	0.025	ND
CHLOROFORM	0.025	ND	VINYL CHLORIDE	0.05	ND
1,2-DICHLOROETHANE	0.025	ND	2-BUTANONE	0.05	0.24

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(88-110)	101%	BROMOFLUOROBENZENE	(86-115)	106%
1,2-DICHLOROETHANE-D4	(76-114)	88%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000231

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.02
QAQC# : 960517WJA
INST. BATCH# : 379814
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.02
SAMPLE : SAMPLE N07
LOCATION:
MATRIX : WATER
METHOD : SW 8270

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/20/96 11:24
DILUTION : 2
%MOISTURE: 0.00
LEVEL: LOW

SEMOVOLATILE ORGANICS - TCLP
RESULTS REPORTED IN mg/l

BLANK# : TB051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.02	ND	PENTACHLOROPHENOL	0.1	ND
4-METHYLPHENOL	0.02	ND	2,4,5-TRICHLOROPHENOL	0.1	ND
TOTAL CRESOL'S	0.02	ND	2,4,6-TRICHLOROPHENOL	0.02	ND
1,4-DICHLOROBENZENE	0.02	ND	HEXACHLOROBUTADIENE	0.02	ND
2,4-DINITROTOLUENE	0.02	ND	HEXACHLOROETHANE	0.02	ND
HEXACHLOROBENZENE	0.02	ND	PYRIDINE	0.02	ND
NITROBENZENE	0.02	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	62%	2-FLUOROPHENOL	(21-100)	60%
2-FLUOROBIPHENYL	(43-116)	69%	PHENOL-D5	(10- 94)	42%
TERPHENYL-D14	(33-141)	97%	2,4,6-TRIBROMOPHENOL	(10-123)	91%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "SW846", THIRD EDITION, NOVEMBER 1986

000232

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

Client ID: SAMPLE N07

Project ID: PLASTIC'S TCLP

SWLO ID: 25619.02

Report: 25619.02

Collected: Report Date: 05/29/1996 **Page:** 1
Received: 05/16/1996 **Last Modified:** 05/29/1996 **Matrix:** Solid

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
METALS - ICP						SW 6010
ARSENIC		0.1	mg/l	ND	05/22/96	
BARIUM		0.005	mg/l	0.18	05/22/96	
CADMIUM		0.004	mg/l	0.004	05/22/96	
CHROMIUM		0.005	mg/l	0.006	05/22/96	
LEAD		0.04	mg/l	ND	05/22/96	
SILVER		0.005	mg/l	ND	05/22/96	
SELENIUM		0.1	mg/l	ND	05/22/96	
HG TOXICITY		0.0010	mg/l	ND	05/21/96	SW 7470

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "SW846", THIRD EDITION, NOVEMBER 1986

000233

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : METHOD BLANK
SAMPLE : U960520A
LOCATION:

MATRIX : WATER
METHOD : SW 8240

ANALYZED : 05/20/96 14:02
DILUTION : 1
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION
RESULTS REPORTED IN mg/L

<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>
BENZENE	0.005	ND		1,1-DICHLOROETHENE	0.005	ND	
CARBON TETRACHLORIDE	0.005	ND		TETRACHLOROETHENE	0.005	ND	
CHLOROBENZENE	0.005	ND		TRICHLOROETHENE	0.005	ND	
CHLOROFORM	0.005	ND		VINYL CHLORIDE	0.01	ND	
1,2-DICHLOROETHANE	0.005	ND		2-BUTANONE	0.01	ND	

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(88-110)	100%	BROMOFLUOROBENZENE	(86-115)	105%
1,2-DICHLOROETHANE-D4	(76-114)	88%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-02D, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SM = EPA METHODOLOGY, "SW846", THIRD EDITION, NOVEMBER 1986

000234

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT :	PLASTIC'S TCLP		
LAB# :	TCLP BLANK	PREPARED :	05/16/96
SAMPLE :	ZH051696A1	ANALYZED :	05/20/96 15:07
LOCATION:		DILUTION :	1
MATRIX :	WATER	%MOISTURE:	0.00
METHOD :	SW 8240	LEVEL :	LOW

VOLATILE ORGANICS /TCLP EXTRACTION
RESULTS REPORTED IN mg/L

<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>
BENZENE	0.005	ND		1,1-DICHLOROETHENE	0.005	ND	
CARBON TETRACHLORIDE	0.005	ND		TETRACHLOROETHENE	0.005	ND	
CHLOROBENZENE	0.005	ND		TRICHLOROETHENE	0.005	ND	
CHLOROFORM	0.005	ND		VINYL CHLORIDE	0.01	ND	
1,2-DICHLOROETHANE	0.005	ND		2-BUTANONE	0.01	0.0042 J	

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(86-110)	100%	BROMOFLUOROBENZENE	(86-115)	104%
1,2-DICHLOROETHANE-D4	(76-114)	88%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SN = EPA METHODOLOGY, "80W846", THIRD EDITION, NOVEMBER 1986

000235

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : 960517WJA
INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT :	PLASTIC'S TCLP		
LAB# :	METHOD BLANK	PREPARED :	05/17/96
SAMPLE :	BL0517WJ	ANALYZED :	05/18/96 19:55
LOCATION:		DILUTION :	1
MATRIX :	WATER	%MOISTURE:	0.00
METHOD :	SW 8270	LEVEL :	LOW

SEMIVOLATILE ORGANICS - TCLP
RESULTS REPORTED IN mg/l:

<u>PARAMETER</u>	QUANT.		<u>PARAMETER</u>	QUANT.	
	<u>LIMIT</u>	<u>RESULTS</u>		<u>LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.01	ND	PENTACHLOROPHENOL	0.05	ND
4-METHYLPHENOL	0.01	ND	2,4,5-TRICHLOROPHENOL	0.05	ND
TOTAL CRESOL'S	0.01	ND	2,4,6-TRICHLOROPHENOL	0.01	ND
1,4-DICHLOROBENZENE	0.01	ND	HEXACHLOROBUTADIENE	0.01	ND
2,4-DINITROTOLUENE	0.01	ND	HEXACHLOROETHANE	0.01	ND
HEXACHLOROBENZENE	0.01	ND	PYRIDINE	0.01	ND
NITROBENZENE	0.01	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	52%	2-FLUOROPHENOL	(21-100)	44%
2-FLUOROBIPHENYL	(43-116)	58%	PHENOL-D5	(10- 94)	25%
TERPHENYL-D14	(33-141)	92%	2,4,6-TRIBROMOPHENOL	(10-123)	60%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16TH EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000236

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : 960517WJA
INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP

LAB# : TCLP BLANK

SAMPLE : TB051696A1

LOCATION:

MATRIX : WATER

METHOD : SW 8270

PREPARED : 05/16/96
ANALYZED : 05/18/96 20:26
DILUTION : 2
%MOISTURE: 0.00
LEVEL : LOW

SEMOVOLATILE ORGANICS - TCLP

BLANK# : TB051696A1

RESULTS REPORTED IN mg/l

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.02	ND	PENTACHLOROPHENOL	0.1	ND
4-METHYLPHENOL	0.02	ND	2,4,5-TRICHLOROPHENOL	0.1	ND
TOTAL CRESOL'S	0.02	ND	2,4,6-TRICHLOROPHENOL	0.02	ND
1,4-DICHLOROBENZENE	0.02	ND	HEXACHLOROBUTADIENE	0.02	ND
2,4-DINITROTOLUENE	0.02	ND	HEXACHLOROETHANE	0.02	ND
HEXACHLOROBENZENE	0.02	ND	PYRIDINE	0.02	ND
NITROBENZENE	0.02	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	56%	2-FLUOROPHENOL	(21-100)	67%
2-FLUOROBIPHENYL	(43-116)	64%	PHENOL-D5	(10- 94)	38%
TERPHENYL-D14	(33-141)	96%	2,4,6-TRIBROMOPHENOL	(10-123)	80%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SN = EPA METHODOLOGY, "EPA600", THIRD EDITION, NOVEMBER 1986

000237

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
SPIKE SAMPLE : LCS
SPIKE DUP SAMPLE: LCSD
MATRIX : WATER

ANALYZED : 05/20/96 14:24
ANALYZED : 05/20/96 14:45

VOLATILE ORGANICS /TCLP EXTRACTION SPIKE/SPIKE DUPLICATE RECOVERY

Parameter	ug/L	SPIKE AMOUNT	SPIKE CONC.	SPIKE %Rec	DUP CONC.	DUP %Rec	RPD	MAX RPD	LIMITS %Rec.
VINYL CHLORIDE		50	44	88	40	80	10.6	25	65-167
1,1-DICHLOROETHENE		50	45	90	44	89	1.58	32	54-161
2-BUTANONE		50	43	86	42	85	1.8	29	42-173
CHLOROFORM		50	47	95	47	94	1.06	19	57-152
CARBON TETRACHLORIDE		50	47	93	47	94	< 1	49	37-182
BENZENE		50	47	94	47	93	< 1	46	70-134
1,2-DICHLOROETHANE		50	46	91	45	90	1.5	26	59-151
TRICHLOROETHENE		50	48	95	47	95	< 1	38	67-149
TOLUENE		50	48	95	47	94	1.27	15	75-140
TETRACHLOROETHENE		50	50	100	50	101	< 1	24	61-141
CHLOROBENZENE		50	48	95	47	94	1.06	14	72-135

QA/QC SURROGATE RECOVERIES

Parameter	SPIKE %Rec	DUP %Rec	Limits
TOLUENE-D8	101	100	88-110
BROMOFLUOROBENZENE	105	106	86-115
1,2-DICHLOROETHANE-D4	92	92	76-114

RECOVERIES AND RPDS ARE CALCULATED USING INSTRUMENT READINGS PRIOR TO
ROUNDING THE SPIKE AND DUPLICATE CONCENTRATIONS TO TWO SIGNIFICANT FIGURES.

000238

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : 960517WJA
INST. BATCH# : 475110
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
SPIKE SAMPLE : TC0517WJ
SPIKE DUP SAMPLE: TD0517WJ
MATRIX : WATER

PREPARED : 05/17/96
ANALYZED : 05/18/96 20:57
ANALYZED : 05/18/96 21:28

SEMOVOLATILE ORGANICS - TCLP SPIKE/SPIKE DUPLICATE RECOVERY

Parameter	ug/L	SPIKE AMOUNT	SPIKE CONC.	SPIKE %Rec	DUP CONC.	DUP %Rec	RPD	MAX RPD	LIMITS %Rec.
1,4-DICHLOROBENZENE		100	62	62	65	65	3.8	13	34-98
2-METHYLPHENOL		100	54	54*	58	58*	7.66	17	66-105
PYRIDINE		100	30	30	29	29	4.04	17	7-87
4-METHYLPHENOL		200	97	49*	110	54	10.3	16	54-105
HEXACHLOROETHANE		100	67	67	74	74	9.5	21	40-104
NITROBENZENE		100	70	70	76	76	7.83	19	49-110
HEXACHLOROBUTADIENE		100	65	66	66	66	< 1	21	36-104
2,4,6-TRICHLOROPHENOL		100	57	57	58	58	1.42	17	56-110
2,4,5-TRICHLOROPHENOL		100	60	60	61	61	1.74	20	51-109
PENTACHLOROPHENOL		100	43	43	32	32*	29.8	57	33-143
HEXACHLOROBENZENE		100	61	61	68	68	10.9	20	17-139
2,4-DINITROTOLUENE		100	52	52	62	62	17.4	22	51-112

QA/QC SURROGATE RECOVERIES

Parameter	SPIKE	%Rec	DUP	%Rec	Limits
NITROBENZENE-D5		61	65		35-114
2-FLUOROPHENOL		54	53		21-100
2-FLUOROBIPHENYL		72	74		43-116
PHENOL-D5		28	30		10-94
TERPHENYL-D14		99	106		33-141
2,4,6-TRIBROMOPHENOL		80	84		10-123

* Outside of QC Limits

RECOVERIES AND RPDs ARE CALCULATED USING INSTRUMENT READINGS PRIOR TO
ROUNDING THE SPIKE AND DUPLICATE CONCENTRATIONS TO TWO SIGNIFICANT FIGURES.

000239

TCLP METALS
INORGANICS QUALITY CONTROL DATA SHEET
LCS/LCSD

MATRIX **TCLP**
 EPISODE 25619
 CLIENT IRC

BATCHID-ICP 96052015
 BATCHID-CV 96052014Gd

UNITS	mg/l
SAMPLE #	
SPike #	
DUP #	
METHOD	BLANK
LCS	
LCSD	

PARAMETER	TEST CODE	METHOD BLANK		LCS		LCS DUPLICATE		RPD		DATE		ANALYST	INSTR.
		AMT.	DET.	KNOWN	AMT.	% REC.	AMT.	% REC.	FLAG	FOUND	FLAG	ANALYZED	
		FOUND	LIMIT	FOUND	CONC.	FOUND	FLAG	FOUND	FLAG	FOUND	FLAG	INITIAL	
Arsenic	MT34	<0.1	0.100	2.00	2.16	108	80	120		2.25	112.5	4.082	J.W TJA61
Barium	MT34	<0.005	0.005	2.00	1.9	95	80	120		2.02	101	6.122	J.W TJA61
Cadmium	MT24	<0.004	0.004	0.05	0.05	100	80	120		0.051	102	1.98	J.W TJA61
Chromium	MT34	<0.005	0.005	0.20	0.203	101.5	80	120		0.211	105.5	3.865	J.W TJA61
Lead	MT24	<0.04	0.040	0.50	0.491	98.2	80	120		0.508	101.6	3.403	J.W TJA61
Mercury	MT34	<0.001	0.0010	0.0100	0.0110	110	80	120		0.0100	100	9.524	SR PS200B
Selenium	MT34	<0.1	0.100	2.00	1.96	98	80	120		2.06	103	4.975	J.W TJA61
Silver	MT44	<0.005	0.005	0.05	0.043	86	80	120		0.045	90	4.545	J.W TJA61

NARRATIVE:

25619
 /LCSW
 29-May-96
 REV 4.1
 dib

000240

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.01
QAQC# : 960517WJA
INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP

SAMPLED :

LAB# : 25619.01

SUBMITTED: 05/16/96

SAMPLE : SAMPLE 20

PREPARED : 05/16/96

LOCATION:

ANALYZED : 05/19/96 00:35

MATRIX : WATER

DILUTION : 2

METHOD : SW 8270

%MOISTURE: 0.00

LEVEL : LOW

SEMOVOLATILE ORGANICS - TCLP

BLANK# : TB051696A1

RESULTS REPORTED IN mg/l

PARAMETER	QUANT. LIMIT	RESULTS	PARAMETER	QUANT. LIMIT	RESULTS
2-METHYLPHENOL	0.02	ND	PENTACHLOROPHENOL	0.1	ND
4-METHYLPHENOL	0.02	ND	2,4,5-TRICHLOROPHENOL	0.1	ND
TOTAL CRESOL'S	0.02	ND	2,4,6-TRICHLOROPHENOL	0.02	ND
1,4-DICHLOROBENZENE	0.02	ND	HEXACHLOROBUTADIENE	0.02	ND
2,4-DINITROTOLUENE	0.02	ND	HEXACHLOROETHANE	0.02	ND
HEXACHLOROBENZENE	0.02	ND	PYRIDINE	0.02	ND
NITROBENZENE	0.02	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	71%	2-FLUOROPHENOL	(21-100)	59%
2-FLUOROBIPHENYL	(43-116)	71%	PHENOL-D5	(10- 94)	42%
TERPHENYL-D14	(33-141)	91%	2,4,6-TRIBROMOPHENOL	(10-123)	79%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "SW846", THIRD EDITION, NOVEMBER 1986

000241

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.01
QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.01
SAMPLE : SAMPLE 20
LOCATION:

MATRIX : WATER
METHOD : SW 8240

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/20/96 22:47
DILUTION : 5
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION
RESULTS REPORTED IN mg/L

BLANK# : ZH051696A1

<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>
BENZENE	0.025	ND		1,1-DICHLOROETHENE	0.025	ND	
CARBON TETRACHLORIDE	0.025	ND		TETRACHLOROETHENE	0.025	ND	
CHLOROBENZENE	0.025	ND		TRICHLOROETHENE	0.025	ND	
CHLOROFORM	0.025	ND		VINYL CHLORIDE	0.05	ND	
1,2-DICHLOROETHANE	0.025	ND		2-BUTANONE	0.05	0.17	

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(86-116)	100%	BROMOFLUOROBENZENE	(86-115)	106%
1,2-DICHLOROETHANE-D4	(75-147)	87%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SM = EPA METHODOLOGY, "#SMW846", THIRD EDITION, NOVEMBER 1986

000242

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

Client ID: SAMPLE 20

Project ID: PLASTIC'S TCLP

SWLO ID: 25619.01

Report: 25619.01

Collected:

Report Date: 05/29/1996

Page: 1

Received: 05/16/1996

Last Modified: 05/29/1996 Matrix: Solid

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
METALS - ICP					05/22/96	SW 6010
ARSENIC	0.1	mg/l	ND		05/22/96	
BARIUM	0.005	mg/l	0.13		05/22/96	
CADMIUM	0.004	mg/l	ND		05/22/96	
CHROMIUM	0.005	mg/l	ND		05/22/96	
LEAD	0.04	mg/l	ND		05/22/96	
SILVER	0.005	mg/l	ND		05/22/96	
SELENIUM	0.1	mg/l	ND		05/22/96	
PC TOXICITY	0.0010	mg/l	ND		05/21/96	SW 7470

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000243

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.02
QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.02
SAMPLE : SAMPLE N07
LOCATION:

MATRIX : WATER
METHOD : SW 824C

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/20/96 23:09
DILUTION : 5
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION
RESULTS REPORTED IN mg/L

BLANK# : ZH051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
BENZENE	0.025	ND	1,1-DICHLOROETHENE	0.025	ND
CARBON TETRACHLORIDE	0.025	ND	TETRACHLOROETHENE	0.025	ND
CHLOROBENZENE	0.025	ND	TRICHLOROETHENE	0.025	ND
CHLOROFORM	0.025	ND	VINYL CHLORIDE	0.05	ND
1,2-DICHLOROETHANE	0.025	ND	2-BUTANONE	0.05	0.24

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(88-110)	101%	BROMOFLUOROBENZENE	(86-115)	106%
1,2-DICHLOROETHANE-D4	(76-114)	88%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000244

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

REPORT: 25619.02
QAQC# : 960517WJA
INST. BATCH# : 379814
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : 25619.02
SAMPLE : SAMPLE N07
LOCATION:

MATRIX : WATER
METHOD : SW 8270

SAMPLED :
SUBMITTED: 05/16/96
PREPARED : 05/16/96
ANALYZED : 05/20/96 11:24
DILUTION : 2
%MOISTURE: 0.00
LEVEL : LOW

SEMIVOLATILE ORGANICS - TCLP
RESULTS REPORTED IN mg/l

BLANK# : TB051696A1

<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.02	ND		PENTACHLOROPHENOL	0.1	ND	
4-METHYLPHENOL	0.02	ND		2,4,5-TRICHLOROPHENOL	0.1	ND	
TOTAL CRESOL'S	0.02	ND		2,4,6-TRICHLOROPHENOL	0.02	ND	
1,4-DICHLOROBENZENE	0.02	ND		HEXACHLOROBUTADIENE	0.02	ND	
2,4-DINITROTOLUENE	0.02	ND		HEXACHLOROETHANE	0.02	ND	
HEXACHLOROBENZENE	0.02	ND		PYRIDINE	0.02	ND	
NITROBENZENE	0.02	ND					

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	62%	2-FLUOROPHENOL	(21-100)	60%
2-FLUOROBIPHENYL	(43-116)	69%	PHENOL-D5	(10- 94)	42%
TERPHENYL-D14	(33-141)	97%	2,4,6-TRIBROMOPHENOL	(10-123)	91%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000245

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

Client ID: SAMPLE N07

Project ID: PLASTIC'S TCLP

SWLO ID: 25619.02

Report: 25619.02

Collected:
Received: 05/16/1996

Report Date: 05/29/1996 Page: 1
Last Modified: 05/29/1996 Matrix: Solid

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
METALS - ICP						SW 6010
ARSENIC		0.1	mg/l	ND	05/22/96	
BARIUM		0.005	mg/l	0.18	05/22/96	
CADMIUM		0.004	mg/l	0.004	05/22/96	
CHROMIUM		0.005	mg/l	0.006	05/22/96	
LEAD		0.04	mg/l	ND	05/22/96	
SILVER		0.005	mg/l	ND	05/22/96	
SELENIUM		0.1	mg/l	ND	05/22/96	
HG TOXICITY		0.0010	mg/l	ND	05/21/96	SW 7470

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

NA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000246

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : METHOD BLANK
SAMPLE : U960520A
LOCATION:
MATRIX : WATER
METHOD : SW 8240

ANALYZED : 05/20/96 14:02
DILUTION : 1
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION RESULTS REPORTED IN mg/L

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
BENZENE	0.005	ND	1,1-DICHLOROETHENE	0.005	ND
CARBON TETRACHLORIDE	0.005	ND	TETRACHLOROETHENE	0.005	ND
CHLOROBENZENE	0.005	ND	TRICHLOROETHENE	0.005	ND
CHLOROFORM	0.005	ND	VINYL CHLORIDE	0.01	ND
1,2-DICHLOROETHANE	0.005	ND	2-BUTANONE	0.01	ND

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(88-110)	100%	BROMOFLUOROBENZENE	(86-115)	105%
1,2-DICHLOROETHANE-D4	(76-114)	88%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SW = EPA METHODOLOGY, "SW846", THIRD EDITION, NOVEMBER 1986

000247

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : TCLP BLANK
SAMPLE : ZH051696A1
LOCATION:
MATRIX : WATER
METHOD : SW 8240

PREPARED : 05/16/96
ANALYZED : 05/20/96 15:07
DILUTION : 1
%MOISTURE: 0.00
LEVEL : LOW

VOLATILE ORGANICS /TCLP EXTRACTION
RESULTS REPORTED IN mg/L

BLANK# : ZH051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
BENZENE	0.005	ND	1,1-DICHLOROETHENE	0.005	ND
CARBON TETRACHLORIDE	0.005	ND	TETRACHLOROETHENE	0.005	ND
CHLOROBENZENE	0.005	ND	TRICHLOROETHENE	0.005	ND
CHLOROFORM	0.005	ND	VINYL CHLORIDE	0.01	ND
1,2-DICHLOROETHANE	0.005	ND	2-BUTANONE	0.01	0.0042 J

QA/QC SURROGATE RECOVERIES

TOLUENE-D8	(86-110)	100%	BROMOFLUOROBENZENE	(86-115)	104%
1,2-DICHLOROETHANE-D4	(76-114)	88%			

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000248

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : 960517WJA
INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
LAB# : METHOD BLANK
SAMPLE : BL0517WJ
LOCATION:

MATRIX : WATER
METHOD : SW 8270

PREPARED : 05/17/96
ANALYZED : 05/18/96 19:55
DILUTION : 1
%MOISTURE: 0.00
LEVEL : LOW

SEMIVOLATILE ORGANICS - TCLP
RESULTS REPORTED IN mg/l

BLANK# : TB051696A1

<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT. LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.01	ND	PENTACHLOROPHENOL	0.05	ND
4-METHYLPHENOL	0.01	ND	2,4,5-TRICHLOROPHENOL	0.05	ND
TOTAL CRESOL'S	0.01	ND	2,4,6-TRICHLOROPHENOL	0.01	ND
1,4-DICHLOROBENZENE	0.01	ND	HEXAChLOROBUTADIENE	0.01	ND
2,4-DINITROTOLUENE	0.01	ND	HEXAChLOROETHANE	0.01	ND
HEXAChLOROBENZENE	0.01	ND	PYRIDINE	0.01	ND
NITROBENZENE	0.01	ND			

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	52%	2-FLUOROPHENOL	(21-100)	44%
2-FLUOROBIPHENYL	(43-116)	58%	PHENOL-D5	(10- 94)	25%
TERPHENYL-D14	(33-141)	92%	2,4,6-TRIBROMOPHENOL	(10-123)	60%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000249

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : 960517WJA
INST. BATCH# : 379733
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP

LAB# : TCLP BLANK

SAMPLE : TB051696A1

LOCATION:

MATRIX : WATER

METHOD : SW 8270

PREPARED : 05/16/96

ANALYZED : 05/18/96 20:26

DILUTION : 2

%MOISTURE: 0.00

LEVEL : LOW

SEMIVOLATILE ORGANICS - TCLP

BLANK# : TB051696A1

RESULTS REPORTED IN mg/l

<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>	<u>PARAMETER</u>	<u>QUANT.</u>	<u>LIMIT</u>	<u>RESULTS</u>
2-METHYLPHENOL	0.02	ND		PENTACHLOROPHENOL	0.1	ND	
4-METHYLPHENOL	0.02	ND		2,4,5-TRICHLOROPHENOL	0.1	ND	
TOTAL CRESOL'S	0.02	ND		2,4,6-TRICHLOROPHENOL	0.02	ND	
1,4-DICHLOROBENZENE	0.02	ND		HEXAChLOROBUTADIENE	0.02	ND	
2,4-DINITROTOLUENE	0.02	ND		HEXAChLOROETHANE	0.02	ND	
HEXAChLOROBENZENE	0.02	ND		PYRIDINE	0.02	ND	
NITROBENZENE	0.02	ND					

QA/QC SURROGATE RECOVERIES

NITROBENZENE-D5	(35-114)	56%	2-FLUOROPHENOL	(21-100)	67%
2-FLUOROBIPHENYL	(43-116)	64%	PHENOL-D5	(10- 94)	38%
TERPHENYL-D14	(33-141)	96%	2,4,6-TRIBROMOPHENOL	(10-123)	80%

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
NA = NOT APPLICABLE
Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

000250

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : U960520A
INST. BATCH# : 153856
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
SPIKE SAMPLE : LCS
SPIKE DUP SAMPLE: LCSD
MATRIX : WATER

ANALYZED : 05/20/96 14:24
ANALYZED : 05/20/96 14:45

VOLATILE ORGANICS /TCLP EXTRACTION SPIKE/SPIKE DUPLICATE RECOVERY

Parameter	ug/L	SPIKE AMOUNT	SPIKE CONC.	SPIKE %Rec	DUP CONC.	DUP %Rec	MAX RPD	RPD	LIMITS %Rec.
VINYL CHLORIDE		50	44	88	40	80	10.6	25	65-167
1,1-DICHLOROETHENE		50	45	90	44	89	1.58	32	54-161
2-BUTANONE		50	43	86	42	85	1.8	29	42-173
CHLOROFORM		50	47	95	47	94	1.06	19	57-152
CARBON TETRACHLORIDE		50	47	93	47	94	< 1	49	37-182
BENZENE		50	47	94	47	93	< 1	46	70-134
1,2-DICHLOROETHANE		50	46	91	45	90	1.5	26	59-151
TRICHLOROETHENE		50	48	95	47	95	< 1	38	67-149
TOLUENE		50	48	95	47	94	1.27	15	75-140
TETRACHLOROETHENE		50	50	100	50	101	< 1	24	61-141
CHLOROBENZENE		50	48	95	47	94	1.06	14	72-135

QA/QC SURROGATE RECOVERIES

Parameter	SPIKE %Rec	DUP %Rec	Limits
TOLUENE-D8	101	100	88-110
BROMOFLUOROBENZENE	105	106	86-115
1,2-DICHLOROETHANE-D4	92	92	76-114

RECOVERIES AND RPDS ARE CALCULATED USING INSTRUMENT READINGS PRIOR TO
ROUNDING THE SPIKE AND DUPLICATE CONCENTRATIONS TO TWO SIGNIFICANT FIGURES.

000251

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Innovative Resources Corporation
2618 Coors Blvd, S.W.
Albuquerque, NM 87121

QAQC# : 960517WJA
INST. BATCH# : 475110
REPORTED : 05/29/96

PROJECT : PLASTIC'S TCLP
SPIKE SAMPLE : TC0517WJ
SPIKE DUP SAMPLE: TD0517WJ
MATRIX : WATER

PREPARED : 05/17/96
ANALYZED : 05/18/96 20:57
ANALYZED : 05/18/96 21:28

SEMICVOLATILE ORGANICS - TCLP SPIKE/SPIKE DUPLICATE RECOVERY

Parameter	ug/L	SPIKE AMOUNT	SPIKE CONC.	SPIKE %Rec	DUP CONC.	DUP %Rec	MAX RPD	RPD LIMITS %Rec.
1,4-DICHLOROBENZENE		100	62	62	65	65	3.8	13 34-98
2-METHYLPHENOL		100	54	54*	58	58*	7.66	17 66-105
PYRIDINE		100	30	30	29	29	4.04	17 7-87
4-METHYLPHENOL		200	97	49*	110	54	10.3	16 54-105
HEXACHLOROETHANE		100	67	67	74	74	9.5	21 40-104
NITROBENZENE		100	70	70	76	76	7.83	19 49-110
HEXACHLOROBUTADIENE		100	66	66	66	66	< 1	21 36-104
2,4,6-TRICHLOROPHENOL		100	57	57	58	58	1.42	17 56-110
2,4,5-TRICHLOROPHENOL		100	60	60	61	61	1.74	20 51-109
PENTACHLOROPHENOL		100	43	43	32	32*	29.8	57 33-143
HEXACHLOROBENZENE		100	61	61	68	68	10.9	20 17-139
2,4-DINITROTOLUENE		100	52	52	62	62	17.4	22 51-112

QA/QC SURROGATE RECOVERIES

Parameter	SPIKE %Rec	DUP %Rec	Limits
NITROBENZENE-D5	61	65	35-114
2-FLUOROPHENOL	54	53	21-100
2-FLUOROBIPHENYL	72	74	43-116
PHENOL-D5	28	30	10-94
TERPHENYL-D14	99	106	33-141
2,4,6-TRIBROMOPHENOL	80	84	10-123

* Outside of QC Limits

RECOVERIES AND RPDs ARE CALCULATED USING INSTRUMENT READINGS PRIOR TO ROUNDING THE SPIKE AND DUPLICATE CONCENTRATIONS TO TWO SIGNIFICANT FIGURES.

000252

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

TCLP METALS

INORGANICS QUALITY CONTROL DATA SHEET

LCS/LCSD

MATRIX
TCLPEPISODE
25619
CLIENT
IRCBATCHID-ICP
96052015
BATCHID-CV
960520HGA

mg/l
METHOD BLANK
LCS
LCSD

UNITS
SAMPLE #
SPike #
DUP #

PARAMETER	TEST CODE	METHOD BLANK		AMT. FOUND	AMT. CONC.	% FOUND	% REC.	LIMITS	FLAG	LCS DUPLICATE		RPO	LIMITS	FLAG	ANALYZED	DATE	Analyzed	Initials	INSTR.
		AMT.	DET. LIMIT							AMT.	FOUND								
Arsenic	MT054	<0.1	0.100	2.00	2.16	108	80	120		2.25	112.5	4.062	20		22-May-96	J.W	TJA61		
Barium	MT054	<0.005	0.005	2.00	1.9	95	80	120		2.02	101	6.122	20		22-May-96	J.W	TJA61		
Cadmium	MT04	<0.004	0.004	0.05	0.05	100	80	120		0.051	102	1.98	20		22-May-96	J.W	TJA61		
Chromium	MT04	<0.005	0.005	0.20	0.203	101.5	80	120		0.211	105.5	3.865	20		22-May-96	J.W	TJA61		
Lead	MT04	<0.04	0.040	0.50	0.491	98.2	80	120		0.508	101.6	3.403	20		22-May-96	J.W	TJA61		
Mercury	MT04	<0.001	0.0010	0.0100	0.0110	110	80	120		0.0100	100	9.524	20		21-May-96	SR	PS200B		
Selenium	MT04	<0.1	0.100	2.00	1.96	98	80	120		2.06	103	4.975	20		22-May-96	J.W	TJA61		
Silver	MT04	<0.005	0.005	0.05	0.043	86	80	120		0.045	90	4.545	20		22-May-96	J.W	TJA61		

NARRATIVE:

25619
TLC SW
REV 4.1
dp
29-May-96

000253

Southwest Laboratory of Oklahoma, Inc.

1700 West Albany • Broken Arrow, OK 74012
Office (918) 251-2858 • FAX (918) 251-2599

Southwest Laboratory of Oklahoma, Inc.

P.O. Box 368 • 1802 East Main St. • Cushing, OK 74023
Office (918) 225-1064 • FAX (918) 225-6574

American Analytical & Technical Services, Inc.

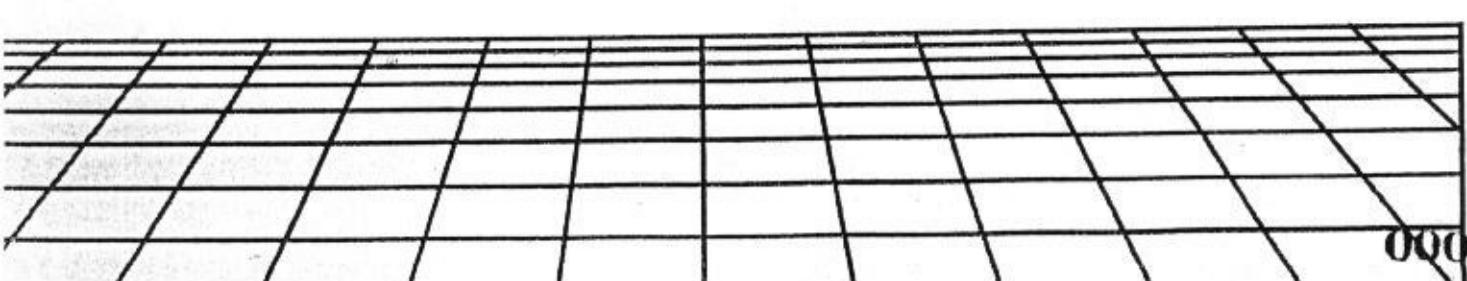
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American Technical & Analytical Services, Inc.

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American Analytical & Technical Services, Inc.

11950 Industriplex Blvd. • Baton Rouge, LA 70809
Office (504) 753-8650 • FAX (504) 751-1405



000254