C A Labs

Crisp Analytical Laboratories, L.L.C.

2081 Hutton Dr. Suite 301 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972) 488-8006

CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

PLAINTIFF'S EXHIBIT

CHV-915

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd.
Salina, KS 67401

phone # 785-827-1273
fax # 785-823-7830
Attn:

Report Date:
29 March 2001

CA Labs project no. CAL0103778
Client project name and number: Yearly Asbestos Sampling DS032101

Samples received: 03-22-01 10:00am
Turn-around time: 5 day
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F032101-74	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967
F032101-75	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967
F032101-76	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967
F032101-77	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967
F032101-78	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967

Grid Opening Area: 0.0104mm^2	**Particulate Loading:** high	**Asbestiform Identification:**
Sample Check-in Time: 03-22-01 10:00am	**Sample Filter Time:** 03-22-01 11:15am	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 301 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (469)233-5282 or (214)564-8366.

EL PASO WATER UTILITIES PUBLIC SERVICE BOARD

SAMPLE CHAIN OF CUSTODY FORM

EL PASO WATER UTILITIES

CENTRAL LABORATORY

Sample Information			
	YEARLY ASBESTOS SAMPLING		
Requested By:	John Balliew		
Analysis Requested:	Asbestos		
Project:	DS	SAMPLE SIZE :	250mL plastic
Date Collected:	032101	SAMPLE TYPE:	GRAB

Sample Identification	Sample Location	Sample Point	Time Collected	Collected By	Delivered By
F032101-74	FHWRP 11700 RAILROAD	DI Tap Blank	0840	EPD	
F032101-75	FRANKLIN CANAL INLET	Canal Influent	1020		
F032101-76	ANDRES PIZZA 3233N Mesa	SINK AT Bathroom	0950		
F032101-77	Mesa & Kern	Hydrant # 4605	1000		
F032101-78	Residence 2661 Missouri	SINK AT Kitchen	1040		
F032101-79	Rosewood & Missuri 2600 Rosewood	Hydrant # 1610	1055		
F032101-80	Residence 1290 Kentucky	SINK AT Kitchen	1125		
F032101-81	San Jose & Kentucky	Hydrant # 2208	1140		
F032101-82	Community College 919 Hunter	outside faucett	1210		
F032101-83	919 Hunter	Hydrant # 4506	1244		
F032101-84	Residence 10701 Sugarland	outside faucett	1310		
F032101-85	Round Rock & Sugarland	Hydrant # 4633	1315		
032101-86	Round Rock & Sugarland	Hydrant # 4633	1315		

Received by:		DATE/TIME	
Delivered by:		DATE/TIME	3-21-2001 1335
Received by:			
Date:	032101	Time:	1330

Crisp Analytical Laboratories, L.L.C.

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CA Labs L.L.C.

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Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd.
Salina, KS 67401

phone # 785-827-1273
fax # 785-823-7830
Attn:

Report Date:
29 March 2001

CA Labs project no. CAL0103778
Client project name and number: Yearly Asbestos Sampling DS032101

Samples received: 03-22-01 10:00am
Turn-around time: 5 day
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F032101-84	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967
F032101-85	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967
F032101-86	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967
---	**Lab Blank**	1,064	20	0.2704	0	0	0.1967	< 0.1967

Grid Opening Area: $0.0104mm^2$	**Particulate Loading:** high	**Asbestiform Identification:**
Sample Check-in Time: 03-22-01 10:00am	**Sample Filter Time:** 03-22-01 11:15am	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 301 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (469)233-5282 or (214)564-8366.

Crisp Analytical Laboratories, L.L.C.

2081 Hutton Dr. Suite 301 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972) 488-8006

CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd.
Salina, KS 67401

phone # 785-827-1273
fax # 785-823-7830
Attn:

Report Date:
29 March 2001

CA Labs project no. CAL0103778
Client project name and number: Yearly Asbestos Sampling DS032101

Samples received: 03-22-01 10:00am
Turn-around time: 5 day
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F032101-79	N/G	1,064	20	0.2704	2	0	0.1967	0.3938
F032101-80	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967
F032101-81	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967
F032101-82	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967
F032101-83	N/G	1,064	20	0.2704	0	0	0.1967	< 0.1967

Grid Opening Area: 0.0104mm^2	**Particulate Loading:** high	**Asbestiform Identification:** chrysotile
Sample Check-in Time: 03-22-01 10:00am	**Sample Filter Time:** 03-22-01 11:15am	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7 0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 301 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (469)233-5282 or (214)564-8366.

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CA Labs L.L.C.

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Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. CAL0003560
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F022900-60	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-61	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-62	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-63	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: 0.0103mm^2	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 3-1-00 11:00am	**Fibers <10µm present (Y/N):** yes - F022900-60

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-60

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 0935
Delivered by/date: 2-29-2000
Received by/date: 022900
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT ✓ / ABSENT
Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Residential Home (e.g. Residence, Plant Name, Co. Name)
Address: 2601 Missouri
Project Code: DS (Refer to list below)
Sampling Point: Outside Faucet (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Other:	☐ Other:	☐ Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Containers	Preservation / By / Date
ASBESTOS	1	250mL HDPE	

FIELD ANALYSES			
Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

Crisp Analytical Laboratories, L.L.C.

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CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. CAL0003560
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F022900-60	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-61	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-62	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-63	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: 0.0103mm^2	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 3-1-00 11:00am	**Fibers <10µm present (Y/N):** yes - F022900-60

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-61

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 0935
Delivered by/date: [signature] 2-29-2000
Received by/date: [signature] 022400
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT [✓] ABSENT [ ] Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Residential Home (e.g. Residence, Plant Name, Co. Name)
Address: 2601 Missouri
Project Code: DS (Refer to list below)
Sampling Point: Outside Faucet (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn-Around-Time Requested:	Sample Description:
[■] Standard Report	[■] 21-day TAT	[■] Grab
[ ] FAX Report to:	[ ] 14-day TAT	[ ] Composite/Flow Proportional
[ ] Other:	[ ] Other:	[ ] Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Containers	Preservation/ By/Date
ASBESTOS	1	250mL HDPE	

FIELD ANALYSES

Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

Crisp Analytical Laboratories, L.L.C.

2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006

CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. CAL0003560
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F022900-60	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-61	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-62	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-63	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: 0.0103mm^2	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 3-1-00 11:00am	**Fibers <10µm present (Y/N):** yes - F022900-60

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-62

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 0955 2-29-2000
Delivered by/date: 2-29-2000
Received by/date: 022900
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT ✓ / ABSENT
Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Rosewood & Missouri (e.g. Residence, Plant Name, Co. Name)
Address: 2600 Rosewood
Project Code: DS (Refer to list below)
Sampling Point: Hydrant #1610 (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Other:	☐ Other:	☐ Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Containers	Preservation/By/Date
ASBESTOS	1	250mL HDPE	

FIELD ANALYSES

Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

Crisp Analytical Laboratories, L.L.C.
2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006
CA Labs L.L.C.
11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. CAL0003560
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F022900-60	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-61	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-62	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-63	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: 0.0103mm^2	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 3-1-00 11:00am	**Fibers <10µm present (Y/N):** yes - F022900-60

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-63

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 1015
Delivered by/date: [signature] 2-29-2000
Received by/date: [signature] 022900
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT ✓ / ABSENT
Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Franklin Canal Inlet (e.g. Residence, Plant Name, Co. Name)
Address:
Project Code: DS (Refer to list below)
Sampling Point: Canal Plant Influent (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Other:	☐ Other:	☐ Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Containers	Preservation/By/Date
ASBESTOS	1	250mL HDPE	

FIELD ANALYSES

Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

Crisp Analytical Laboratories, L.L.C.

2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006

CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. CAL0003560
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F022900-64	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-65	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-66	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-67	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: $0.0103mm^2$	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 11:00am 3-1-00	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-64

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 10 30
Delivered by/date: Manny Moreno 2-29-2000
Received by/date: 022900
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT ✓ / ABSENT
Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Andres Pizza (e.g. Residence, Plant Name, Co. Name)
Address: 3233 North Mesa
Project Code: DS (Refer to list below)
Sampling Point: Bathroom Sink (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Other:	☐ Other:	☐ Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Containers	Preservation (Type and Date)
ASBESTOS	1	250mL HDPE	

FIELD ANALYSES

Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

Crisp Analytical Laboratories, L.L.C.
2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006
CA Labs L.L.C.
11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. **CAL0003560**
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^4	Concentration of Structures >10µm: S/L x 10^4
F022900-64	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-65	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-66	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-67	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: $0.0103mm^2$	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 11:00am 3-1-00	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-65

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 1050
Delivered by/date: [signature] 2-29-2000
Received by/date: [signature] 022900
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT ✓ / ABSENT
Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Mesa & Kern (e.g. Residence, Plant Name, Co. Name)
Address:
Project Code: DS (Refer to list below)
Sampling Point: Hydrant # 4605 (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Other:	☐ Other:	☐ Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Containers	Preservation/By/Date
ASBESTOS	1	250mL HDPE	

FIELD ANALYSES

Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-66

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 1110
Delivered by/date: Manny Moreno 2-29-2000
Received by/date: [signature] 022900
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT ✓ / ABSENT
Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Residential Home (e.g. Residence, Plant Name, Co. Name)
Address: 2500 San Jose
Project Code: DS (Refer to list below)
Sampling Point: Outside Faucet (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Other:	☐ Other:	☐ Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Containers	Preservation	By	Date
ASBESTOS	1	250mL HDPE			

FIELD ANALYSES

Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

Crisp Analytical Laboratories, L.L.C.

2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006

CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. **CAL0003560**
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F022900-64	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-65	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-66	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-67	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: 0.0103mm^2	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 11:00am 3-1-00	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs. L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

Crisp Analytical Laboratories, L.L.C.

2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006

CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. CAL0003560
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F022900-68	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-69	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-70	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-71	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: $0.0103mm^2$	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 11:00am 3-1-00	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-68

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 12:50
Delivered by/date: 2-29-2000
Received by/date: 022900
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT ✓ / ABSENT
Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Community College (e.g. Residence, Plant Name, Co. Name)
Address: 919 Hunter
Project Code: DS (Refer to list below)
Sampling Point: Drinking Fountain by Gym (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Other:	☐ Other:	☐ Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Containers	Preservation / By / Date
ASBESTOS	1	250mL HDPE	

FIELD ANALYSES

Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

Crisp Analytical Laboratories, L.L.C.

2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006

CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. CAL0003560
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^4	Concentration of Structures >10µm: S/L x 10^4
F022900-64	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-65	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-66	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-67	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: 0.0103mm^2	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 11:00am 3-1-00	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-67

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 1120
Delivered by/date: Manny Moreno 2-29-2000
Received by/date: [illegible] 022900
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT ✓ / ABSENT
Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: San Jose & Kentucky (e.g. Residence, Plant Name, Co. Name)
Address:
Project Code: DS (Refer to list below)
Sampling Point: Hydrant # 2208 (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Other:	☐ Other:	☐ Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Container	Preservation & Date/Time
ASBESTOS	1	250mL HDPE	

FIELD ANALYSES

Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

Crisp Analytical Laboratories, L.L.C.

2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006

CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1 µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. **CAL0003560**
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^4	Concentration of Structures >10µm: S/L x 10^4
F022900-68	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-69	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-70	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-71	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: $0.0103mm^2$	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 11:00am 3-1-00	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp,
General Manager

David Bertolacci,
Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^4) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-69

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 1300
Delivered by/date: 2-29-2000
Received by/date: 022900
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT ✓ / ABSENT
Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: (e.g. Residence, Plant Name, Co. Name)
Address: 919 Hunter
Project Code: DS (Refer to list below)
Sampling Point: Hydrant #4506 (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Other:	☐ Other:	☐ Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Containers	Preservation (Y/N) Date
ASBESTOS	1	250mL HDPE	

FIELD ANALYSES

Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

Crisp Analytical Laboratories, L.L.C.

2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006

CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. CAL0003560
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F022900-68	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-69	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-70	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-71	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: $0.0103mm^2$	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 11:00am 3-1-00	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-70

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 1410
Delivered by/date: 2-29-2000
Received by/date: 022900
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT ✓ / ABSENT
Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Residential Home (e.g. Residence, Plant Name, Co. Name)
Address: 10701 Sugarland
Project Code: DS (Refer to list below)
Sampling Point: Outside Faucet (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Other:	☐ Other:	☐ Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Containers	Preservation/By/Date
ASBESTOS	1	250mL HDPE	

FIELD ANALYSES

Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

Crisp Analytical Laboratories, L.L.C.

2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006

CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. CAL0003560
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F022900-68	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-69	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-70	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
F022900-71	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: $0.0103mm^2$	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 11:00am 3-1-00	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

CHAIN OF CUSTODY RECORD

Date/Time Stamp:

Laboratory No. F022900-71

Collected by: Manny Moreno
Collection Date: Feb. 29, 2000
Collection Time: 1420
Delivered by/date: Manny Moreno 2-29-2000
Received by/date: [signature] 022900
Delivered by/date:
Received by/date:
Tamper Seal: PRESENT ✓ / ABSENT
Compromised:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Round Rock & Sugarland (e.g. Residence, Plant Name, Co. Name)
Address:
Project Code: DS (Refer to list below)
Sampling Point: Hydrant #4633 (e.g. Manhole, FE, Kitchen Tap)

Report Format:	Turn Around Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Other:	☐ Other:	☐ Composite/Time Weighted
		Number of aliquotes:

Analysis Requested	No. of Containers	Type of Container	Preservation/By/Date
ASBESTOS	1	250mL HDPE	

FIELD ANALYSES

Analysis/Result	Date/Time Collection	Date/Time Analysis	Initials

PROJECT CODES

CL = Laboratory Services	IP = Industrial Pretreatment	UR = Umbenhauer/Robertson WTP
CS = Collection System	JR = Jonathan Rogers WTP	WC = Water Complaint
DS = Distribution System	LF = Landfill	WR = Water Reuse/Biosolids
FH = Fred Hervey WRP	NW = Northwest Quarry WWTP	WS = Well Sample
HS = Haskell R. Street WWTP	RB = Roberto R. Bustamante WWTP	O = Other

REMARKS:

Crisp Analytical Laboratories, L.L.C.

2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006

CA Labs L.L.C.

11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical
1804 Glendale Rd
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Elizabeth DeMoultrie

Report Date:
9 March 2000

Water System ID:

CA Labs project no. CAL0003560
Client project name and number: Yearly Asbestos DS022900
Samples received: 3-1-00 10:00am
Turn-around time: 21 days
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F022900-72	None Given	1,064	50	0.1133	0	0	0.1878	< 0.1878
---	**Lab Blank**	1,064	50	0.1133	0	0	0.1878	< 0.1878

Grid Opening Area: 0.0103mm^2	**Particulate Loading:** light	**Asbestiform Identification:** none
Sample Check-in Time: 3-1-00 10:00am	**Sample Filter Time:** 11:00am 3-1-00	**Fibers <10µm present (Y/N):** no

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

C A Labs

Crisp Analytical Laboratories, LLC.

2081 Hutton Dr. Suite 309
Carrollton, TX 75006

(972) 488-1414
(972) 488-8006 fax
(972) 977-1958 mobile

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both *jaffe wick and condesate washer (coldfinger)*. All preps must beverified by another analyst.

Client Information:
Continental Analytical Services
1804 Glendale Road
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Greg Groene

Report Date:
22 March 1999

Water System ID:
None Given

CA Labs project no. CAL9903289
Client project name and number: D5030299 DS Asbestos

Samples received: 3/3/99 10:30 A.M.
Turn-around time: 5 Day
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L. x 10^6
F030299-60		47	50	0.1090	0	0	0.1952	< 0.1952
F030299-61		47	50	0.1090	1	0	0.1952	0.1952
F030299-62		47	50	0.1090	0	0	0.1952	< 0.1952
F030299-63		47	50	0.1090	0	0	0.1952	< 0.1952
F030299-64		47	50	0.1090	0	0	0.1952	< 0.1952
F030299-65		47	50	0.1090	0	0	0.1952	< 0.1952
F030299-66		47	50	0.1090	0	0	0.1952	< 0.1952

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp,
General Manager

David Bertolacci,
Laboratory Director

Notes
The current EPA guideline for compliance is 7.0 million structures per liter (S/L. x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

C A Labs

Crisp Analytical Laboratories, LLC.

2081 Hutton Dr. Suite 309
Carrollton, TX 75006

(972) 488-1414
(972) 488-8006 fax
(972) 977-1958 mobile

Transmission Electron Microscopy Report

Analysis Method: Asbestos in Drinking Water by EPA 100.1 / 100.2

Sample Prep Method: Samples are filtered on 0.1µm Polycarbonate Filters, Carbon Coated, and Dissolved with Chloroform in both jaffe wick and condesate washer (coldfinger). All preps must beverified by another analyst.

Client Information:
Continental Analytical Services
1804 Glendale Road
Salina, KS 67401
phone # 785-827-1273
fax # 785-823-7830
Attn: Greg Groene

Report Date:
22 March 1999

Water System ID:
None Given

CA Labs project no. CAL9903289
Client project name and number: D5030299 DS Asbestos

Samples received: 3/3/99 10:30 A.M.
Turn-around time: 5 Day
PO number:

Sample #	Location - provided by client	Filter Area: (mm^2)	Volume Filtered: (ml)	Area Analyzed: (mm^2)	Asbestos Structures Detected >10 µm: chrysotile	Asbestos Structures Detected >10 µm: amphibole	Analytical Sensitivity: S/L x 10^6	Concentration of Structures >10µm: S/L x 10^6
F030299-67		47	50	0.1090	0	0	0.1952	< 0.1952
F030299-68		47	50	0.1090	0	0	0.1952	< 0.1952
F030299-69		47	50	0.1090	0	0	0.1952	< 0.1952
F030299-70		47	50	0.1090	0	0	0.1952	< 0.1952
F030299-71		47	50	0.1090	0	0	0.1952	< 0.1952
F030299-72		47	50	0.1090	0	0	0.1952	< 0.1952

Leslie Crisp
Analyst

NVLAP #200349-0
TDH #30-0235
EPA #TX01402

Approved Signatories:

Leslie Crisp,
General Manager

David Bertolacci,
Laboratory Director

Notes
The current EPA guideline for compliance is 7.0 million structures per liter (S/L x 10^6) for asbestos structures greater than 10 microns in length. Analytical Sensitivity is calculated based on one structure in area analyzed.

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 - 60

CHAIN OF CUSTODY

Collected by/date: Manny Moreno 030299
Delivered by/date: Manny Moreno 3-2-99
Received by/date: [illegible] 030299 1235
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: Franklin Canal Inlet
Address: 800 Canal
Project: DS
Sampling Point: Canal Influent
Collection Date: March 2, 1999
Collection Time: 1030

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
■ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 - 61

CHAIN OF CUSTODY

Collected by/date: Manny Moreno 030299
Delivered by/date: Manny Moreno 3-2-99
Received by/date: Ed Sanchez 030299 1335
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: Andres Pizza
Address: 3233 North Mesa
Project: DS
Sampling Point: Bathroom Sink
Collection Date: March 2, 1999
Collection Time: 1045

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
■ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 - 62

CHAIN OF CUSTODY

Collected by/date: Manny Moreno 030299
Delivered by/date: 3-2-99
Received by/date: 030299
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: Mesa & Kern
Address:
Project: DS
Sampling Point: Hydrant #4605
Collection Date: March 2, 1999
Collection Time: 1055

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
■ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 - 63

CHAIN OF CUSTODY

Collected by/date: Manny Moreno 030299
Delivered by/date: [illegible] 3-2-99
Received by/date: [illegible] 030299
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: Residential Home
Address: 2601 Missouri
Project: DS
Sampling Point: Outside Faucet
Collection Date: March 2, 1999
Collection Time: 1125

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
■ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 -64

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr 3-2-99
Delivered by/date: Manny Moreno Jr 3-2-99
Received by/date: Elizabeth Garcia 030299
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: Residential Home
Address: 7601 Missouri
Project: DS
Sampling Point: Outside faucet
Collection Date: March 2, 1999
Collection Time: 1125

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☐ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 - 65

CHAIN OF CUSTODY

Collected by/date: Manny Moreno 030299
Delivered by/date: Manny Moreno 3-2-99
Received by/date: Elizabeth Lee 030299
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: Rosewood & Missouri
Address:
Project: DS
Sampling Point: Hydrant #1610
Collection Date: March 2, 1999
Collection Time: 1140

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
■ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 - 66

CHAIN OF CUSTODY

Collected by/date: Elizabeth DeMoultrie 030299
Delivered by/date: Elizabeth DeMoultrie 030299
Received by/date: [illegible] 030299
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: FHWRP
Address: 11700 Railroad
Project: DS
Sampling Point: Lab DI Tap
Collection Date: March 2, 1999
Collection Time: 0800

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☐ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 - 67

CHAIN OF CUSTODY

Collected by/date: Manny Moreno 030299
Delivered by/date: Manny Moreno 3-2-99
Received by/date: Elizabeth Moreno 030299
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: Residential Home
Address: 1290 Kentucky
Project: DS
Sampling Point: OUTSIDE FAUCET
Collection Date: March 2, 1999
Collection Time: 1155

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
■ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 – 68

CHAIN OF CUSTODY

Collected by/date: Manny Moreno 030299
Delivered by/date: [signature] 3-2-99
Received by/date: [signature] 030299
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: San Jose & Kentucky
Address:
Project: DS
Sampling Point: Hydrant #2208
Collection Date: March 2, 1999
Collection Time: 1205

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
■ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 - 69

CHAIN OF CUSTODY

Collected by/date: Manny Moreno 030299
Delivered by/date: [signature] 3-2-99
Received by/date: [signature] 030299
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: Community College
Address: 919 Hunter
Project: DS
Sampling Point: Drinking Fountain by Gym
Collection Date: March 2, 1999
Collection Time: 1235

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
■ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 - 70

CHAIN OF CUSTODY

Collected by/date: Manny Moreno 030299
Delivered by/date: [signature] 3-2-99
Received by/date: [signature] 030299
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location:
Address: 919 Hunter
Project: DS
Sampling Point: Hydrant #4506
Collection Date: March 2, 1999
Collection Time: 1345

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
■ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

- ☐ Alkalinity - W1
- ☐ Ammonia - W2
- ☐ Biomonitoring - W3
- ☐ BOD - W4
- ☐ Bromate - W5
- ☐ Bromide - W6
- ☐ Calcium - W7
- ☐ Calcium Oxide - W8
- ☐ Chlorate -W9
- ☐ Chloride - W10
- ☐ Chlorine Dioxide - W11
- ☐ Chlorine Residual - W12
- ☐ Chlorite - W13
- ☐ COD - W14
- ☐ Color - W15
- ☐ Conductivity - W16
- ☐ Cyanide (amenable) - W17
- ☐ Cyanide (total) -W18
- ☐ Cyanide (week and dissociable) - W19
- ☐ Diluted Conductivity - W20
- ☐ DOC - W21
- ☐ Fluoride - W22
- ☐ Hardness (calcium) - W23
- ☐ Hardness (total) - W24
- ☐ Hydrogen Sulfide - W25
- ☐ Magnesium - W26
- ☐ Nitrate - W27
- ☐ Nitrate/Nitrite - W28
- ☐ Nitric Acid (specific gravity) - W29
- ☐ Oil and Grease - W30
- ☐ Ozone -W31
- ☐ pH - W32
- ☐ Phosphate-ortho - W33
- ☐ Phosphorus-total - W34
- ☐ Potassium -W35
- ☐ Silica - W36
- ☐ Sodium - W37
- ☐ Sulfate - W38
- ☐ Surfactants (MBAS) - W39
- ☐ Suspended Ash - W40
- ☐ Suspended Solids - W41
- ☐ Temperature Rise (lime) - W42
- ☐ TOC - W43
- ☐ Total Dissolved Solids - W44
- ☐ Total Kjeldahl Nitrogen - W45
- ☐ Total Solids - W46
- ☐ Turbidity - W47
- ☐ Virgin Carbon Analysis - W48
- ☐ Volatile Acids - W49
- ☐ Volatile Solids - W50
- ☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 - 71

CHAIN OF CUSTODY

Collected by/date: Manny Moreno 030299
Delivered by/date: [signature] 3-2-99
Received by/date: [signature] 030299
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: Residential Home
Address: 10701 Sugarland
Project: DS
Sampling Point: Outside Faucet
Collection Date: March 2, 1999
Collection Time: 1320

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:

☐ Reagent Water	☐ Surface Water	☐ Soil
■ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F030299 - 72

CHAIN OF CUSTODY

Collected by/date: Manny Moreno 030299
Delivered by/date: [signature] 3-2-99
Received by/date: [signature] 030299
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 250ml HDPE
Preservative used: 4 C

CLIENT INFORMATION

Requested by: Cindy Edgar
Samp. Location: Round Rock & Sugarland
Address:
Project: DS
Sampling Point: Hydrant # 4633
Collection Date: March 2, 1999
Collection Time: 1330

Report Format:	Turn-Around-Time Requested:	Sample Description:
■ Standard Report	■ 21-day TAT	■ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
■ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

- ☐ Alkalinity - W1
- ☐ Ammonia - W2
- ☐ Biomonitoring - W3
- ☐ BOD - W4
- ☐ Bromate - W5
- ☐ Bromide - W6
- ☐ Calcium - W7
- ☐ Calcium Oxide - W8
- ☐ Chlorate -W9
- ☐ Chloride - W10
- ☐ Chlorine Dioxide - W11
- ☐ Chlorine Residual - W12
- ☐ Chlorite - W13
- ☐ COD - W14
- ☐ Color - W15
- ☐ Conductivity - W16
- ☐ Cyanide (amenable) - W17
- ☐ Cyanide (total) -W18
- ☐ Cyanide (week and dissociable) - W19
- ☐ Diluted Conductivity - W20
- ☐ DOC - W21
- ☐ Fluoride - W22
- ☐ Hardness (calcium) - W23
- ☐ Hardness (total) - W24
- ☐ Hydrogen Sulfide - W25
- ☐ Magnesium - W26
- ☐ Nitrate - W27
- ☐ Nitrate/Nitrite - W28
- ☐ Nitric Acid (specific gravity) - W29
- ☐ Oil and Grease - W30
- ☐ Ozone -W31
- ☐ pH - W32
- ☐ Phosphate-ortho - W33
- ☐ Phosphorus-total - W34
- ☐ Potassium -W35
- ☐ Silica - W36
- ☐ Sodium - W37
- ☐ Sulfate - W38
- ☐ Surfactants (MBAS) - W39
- ☐ Suspended Ash - W40
- ☐ Suspended Solids - W41
- ☐ Temperature Rise (lime) - W42
- ☐ TOC - W43
- ☐ Total Dissolved Solids - W44
- ☐ Total Kjeldahl Nitrogen - W45
- ☐ Total Solids - W46
- ☐ Turbidity - W47
- ☐ Virgin Carbon Analysis - W48
- ☐ Volatile Acids - W49
- ☐ Volatile Solids - W50
- ☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MISCELLANEOUS

- ■ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

March 25, 1998

Continental Analytical Services
Attn: Bill Balderson, Project Manager
1804 Glendale Road
Salina, KS 67401

RE: TEM Asbestos Results for Samples as Shown on Table 1.
EMSL Analytical Reference # DA98800.
AHD Lic. # AZ0913. EPA H20 # TX - 00959.
Client Project # IPT Asbestos / IP030998A

Dear Sirs:

The samples, provided by Continental Analytical., were analyzed following Environmental Protection Agency method 100.1 and 100.2 for asbestos structures greater than ten microns in length.

Table 1 lists the sample identification number, filter area, sample volume, area analyzed, structures counts, analytical sensitivity, and the asbestos concentration for stuctures greater than ten microns in length.

The current EPA guideline for compliance is 7.0 million structures per liter (7.0 S/L 10^6) for asbestos structures greater than ten microns in length.

EMSL Analytical is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for selected test methods for airborne asbestos fiber analysis (TEM), asbestos fiber analysis (PLM), and by the U.S.E.P.A. for analysis of asbestos in drinking water. This test report relates only to the items tested. Niether NVLAP nor EPA accreditation implies endorsement by any U.S. Government agency.

These results are submitted pursuant to EMSL's current terms and condition of sale, including the company's standard warranty and limitation of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, EMSL will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

If you have any questions, please feel free to contact David Bertolacci or myself.

Very truly yours,

Leslie Crisp
Laboratory Director

EMSL Analytical, Inc.
1801 Royal Lane, Suite 908
Dallas, TX 75229

Phone: 972-831-9725
Fax: 972-444-0884

NVLAP #200034-0
TX DOH #30-0181
EPA H_2O #TX00959

Table 1

Asbestos Concentration for Structures > 10um in Length
TEM Water Analysis

EMSL Refernece # DA98800
WATER SYSTEM ID NO.: None Given
Continental Analytical
IPT Asbestos / IP030998A

EMSL Sample #	Client Sample #	Filter Area (sq mm)	Volume (ml)	Area Analyzed (sq mm)	Structures >10um Chr	Structures >10um Amp	Analytical Sensitivity (S/L 10^6)	Concentration* for Str. > 10um (S/L 10^6)
8001	F030998-97	1064	50	0.1080	7	0	0.1970	1.379
8002	F030998-98	1064	50	0.1080	0	0	0.1970	< 0.1970
8003	F030998-99	1064	50	Void - > 20% Particulate Load				
8004	F030998-100	1064	50	0.1080	0	0	0.1970	< 0.1970
8005	F030998-101	1064	50	0.1080	3	0	0.1970	.591
8006	F030998-102	1064	50	Void - > 20% Particulate Load				
8007	F030998-103	1064	50	0.1080	0	0	0.1970	< 0.1970
8008	F030998-104	1064	50	0.1080	3	0	0.1970	.591

Sample check - in time : 3 / 10 / 98 10:00 A.M.
Sample filter time : 3 / 10 / 98 11:15 A.M.
Fibers <10 microns : Yes

* The current EPA guideline for compliance is 7.0 million structures per liter (7.0 S/L 10^6) for asbestos structures greater than 10 microns in length.

Analytical Sensitivity is calculated concentration based on one structure in the area analyzed.
Chr - Chrysotile, Amp - Amphibole. All amphiboles were crocidolite.

Authorized Signature : _____
Date: Wednesday, March 25, 1998

EMSL Analytical, Inc.
1801 Royal Lane, Suite 908
Dallas, TX 75229

Phone: 972-831-9725
Fax: 972-444-0884

NVLAP #200034-0
TX DOH #30-0181
EPA H_2O #TX00959

Table 1

Asbestos Concentration for Structures > 10um in Length
.TEM Water Analysis

EMSL Refernece # DA98800
WATER SYSTEM ID NO.: None Given
Continental Analytical
IPT Asbestos / IP030998A

EMSL Sample #	Client Sample #	Filter Area (sq mm)	Volume (ml)	Area Analyzed (sq mm)	Structures >10um Chr	Structures >10um Amp	Analytical Sensitivity (S/L 10^6)	Concentration* for Str. > 10um (S/L 10^6)
8009	F030998-105	1064	50	1064	0	0	0.1970	< 0.1970
80010	F030998-106	1064	50	1064	0	0	0.1970	< 0.1970
80011	F030998-107	1064	50	1064	3	0	0.1970	.591
80012	F030998-108	1064	50	1064	0	0	0.1970	< 0.1970
80013	F030998-109	1064	50	1064	0	0	0.1970	< 0.1970

Sample check - in time : 3 / 10 / 98 10:00 A.M.
Sample filter time : 3 / 10 / 98 11:15 A.M.
Fibers <10 microns : Yes

* The current EPA guideline for compliance is 7.0 million structures per liter (7.0 S/L 10^6) for asbestos structures greater than 10 microns in length.

Analytical Sensitivity is calculated concentration based on one structure in the area analyzed.
Chr - Chrysotile, Amp - Amphibole. All amphiboles were crocidolite.

Authorized Signature : _____
Date: Wednesday, March 25, 1998

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NVLAP #200034-0
TX DOH #30-0181
EPA H_2O #TX00959

EMSL Ref # DA98800

Chain-of-Custody Record

CAS
Continental Analytical Services, Inc.
1804 Glendale • Salina, KS 67401
(785) 827-1273 • (800) 535-3076
FAX (785) 823-7830

PROJECT # IP030998 A

PROJECT NAME IPT Asbestos

SAMPLED BY (SIGNATURE): Leo SampleTAqp

SAMPLED BY (PRINTED): Leo SampleTAqp

SAMPLE INFORMATION

DATE	TIME	C-COMP G-GRAB	FIELD FILTERED Y N	SAMPLE IDENTIFICATION	# OF CONTAINERS	Asbestos	REMARKS (REQUESTED TURNAROUND, PRESERVATIVE, ETC.)
030998	1010	G	N	F030998-97	1	X	21 Day TAT, Results
	1055			F030998-98	1		are due on
	1115			F030998-99	1		March 31, 1998
	1128			F030998-100	1		
	1135			F030998-101	1		
	1200			F030998-102	1		
	1220			F030998-103	1		
	1230			F030998-104	1		
	1345			F030998-105	1		
	1350			F030998-106	1	X	

RELINQUISHED BY (SIGNATURE):	RELINQUISHED BY (PRINTED):	DATE: 030998 TIME: 1600	RECEIVED BY (SIGNATURE):	RECEIVED BY (PRINTED):	DATE: TIME:
	Elizabeth F. DeMoultrie				
RELINQUISHED BY (SIGNATURE):	RELINQUISHED BY (PRINTED):	DATE: TIME:	RECEIVED BY (SIGNATURE):	RECEIVED BY (PRINTED):	DATE: TIME:
RECEIVED AT LABORATORY BY (SIGNATURE/PRINTED):		DATE: TIME:	SHIPPED VIA: Airbill #.	Seal #: Seal Date.	

REPORT TO CAS
Attention: Greg Groene
Address: 1804 Glendale
Phone #: 800-535-3076 FAX #

INVOICE TO
Attention: Purchase Order No.:
Address CAS Price Quote No.:
Phone # FAX #.

Chain-of-Custody Record

CAS
Continental Analytical Services, Inc.
1804 Glendale • Salina, KS 67401
(785) 827-1273 • (800) 535-3076
FAX (785) 823-7830

PROJECT # IP030998A

PROJECT NAME IPT Asbestos

SAMPLED BY (SIGNATURE): See SampleTAgs

SAMPLED BY (PRINTED): See SampleTAgs

DATE	TIME	C-COMP G-GRAB	FIELD FILTERED Y N	SAMPLE IDENTIFICATION	# OF CONTAINERS	Asbestos	REMARKS (REQUESTED TURNAROUND, PRESERVATIVE, ETC.)
030998	1350	G	N	F030998-107	1	X	21 Day TAT,
"	1130	"	"	F030998-108	1	X	Results are due
"	1022	"	"	F030998-109	1	X	on March 31, 1998

RELINQUISHED BY (SIGNATURE): RELINQUISHED BY (PRINTED): Elizabeth F. DeMontrie — DATE: 030998 TIME: 1600

RECEIVED BY (SIGNATURE): RECEIVED BY (PRINTED): — DATE: TIME:

RELINQUISHED BY (SIGNATURE): RELINQUISHED BY (PRINTED): — DATE: TIME:

RECEIVED BY (SIGNATURE): RECEIVED BY (PRINTED): — DATE: TIME:

RECEIVED AT LABORATORY BY (SIGNATURE/PRINTED): — DATE: TIME:

SHIPPED VIA: Seal #:
Airbill #: Seal Date:

REPORT TO
Attention:
Address:
Phone #: FAX #:

INVOICE TO
Attention
Address
Phone #:
Purchase Order No
CAS Price Quote No
FAX #

#	DATE-LAB #	DELIVERED BY	TIME RECEIVED	RECEIVED BY	CATEGORY	SAMPLE TYPE	COLLECTION DATE	COLLECTION TIME	DATE REPORTED	ORGANIZATION / ADDRESS	SAMPLING POINT	FH	RB	HS	OL	PROJECT #
1	503098 -88	[illegible]	1100	[illegible]	SP	GRAB	030498	1015	[illegible]	Gateway North Alley between Manhattan + Leeds	Manhole	ph 7.3			Diazinon	[illegible]
2	-89							1025		Gateway North - Ft. Bliss Line	Manhole	ph 7.4				
3	-90	RBD	1335	CF				0900		Borderland L.S. 6252 Strahan	Lift Station # 118					
4	-91							0930		Gomez L.S. 5804 Westside Dr	Lift Station # 125					
5	-92							1015		Timber Oaks L.S. 604 Timber Oak	Lift Station # 127					
6	-93							1045		Montoya II L.S. 5492 Montoya	L.S. # 123					
7	-94							1115		Country Club L.S. 249 Country Club	L.S. # 116					
8	-95							1150		Sunset L.S. 914 Sunset	L.S. # 117					
9	-96							1240		Frontera L.S. 101 West Frontera	L.S. # 114					
10	*-97		NP	[illegible]				1010	041598	919 Hunter	Fire Hydrant # 4506				Asbestos	[illegible]
11	*-98							1055		San Jose + Kentucky	Hydrant # 8208					
12	*-99							1115		Residential Home 1290 Kentucky	Kitchen Sink	* (EMSL voided due to >20% particulate matter)				
13	*-100							1128		Residential Home 2601 Missouri	Outside Faucet					
14	*-101							1135		Rosewood + Missouri 2600 Missouri	Hydrant # 1610					
15	*-102							1200		Franklin Canal 800 Canal	Canal Influent	* (EMSL voided due to >20% particulate matter)				
16	*-103							1220		Andres Pizza 3233 North Mesa	Bathroom Sink					
17	*-104							1230		Mesa + Kern	Hydrant # 4605					
18	*-105							1345		Residential Home 1070 Sugarland	Outside Faucet					
19	*-106							1350		Round Rock + Sugarland	Hydrant # 4633					
20	*-107							1350			Hydrant # 4633 (Dup)					
21	*-108	[illegible]		[illegible]				1130		EPWU Central Lab	DI TAP (blank)					
22	*-109	[illegible]		[illegible]				1022		Community College 919 Hunter	Drinking Fountain by Gym				Asbestos	
23	*-110	M. Bencs	1430	[illegible]	PB	FP Comp	0306-030798	0600-0600	031798	RR Bustamante WWTP 10001 Southside	Final Effluent	Fe, Cu, Mn, Color;	4 Day TAT		Surfactants	[illegible]
24	*-111						0307-030898									
25	*-112						0308-030998									
26	*-113	RSP	1530	[illegible]	IP	Grab	030498	1025	031098	Phelps Dodge Refining 7001 N Loop	Manhole	ph 10.0 · NH_3 Dist				
27	031098 -75	[illegible]	0710	[illegible]	IP	Grab	031098	0635	031298	NWWWTP 701 Executive Ctr	Sand Filter Effluent	PASCO				
28	-76	RSP	0830	[illegible]	IP	TW Comp	0309-031098	0740-0720	040898	Cebada in Alley behind Durango	Manhole	→			Diazinon	[illegible]
29	-77	RBD	1140	[illegible]				1130-1030	041698	Gomez Lift Station # 125 5804 Westside Dr	Wet Well at Lift Station	→			Diazinon	
30	-78	[illegible]	1205	[illegible]	PB	FP Comp	0309-031098	0600-0600	031298	RR Bustamante WWTP 10001 Southside	Final Effluent	Fe Cu Mn, Color	3 Day TAT		Surfactants	[illegible]
31	-79		1530	[illegible]	IP	Grab	031098	1400	031698	Border Apparel 7177 Merchant	Manhole	TSS view under microscope ph 7.6		[illegible]		
32	-80					TW Comp	0309-031098	1045-1145	032498	Stone Container East 7350 Stiles	Manhole	TSS ph 8.7		BOD/COD		
33	-81							1315-1415		Stone Container West 6968 Industrial	Manhole	TSS ph 8.7		BOD/COD		

33 * Asbestos samples sent to: Mr. Leslie Wisp EMSL 1501 Royal Lane, Suite 908 Dallas, TX 75229

Table 1

Asbestos Concentration for Structures > 10um in Length
TEM Water Analysis

EMSL Refernece # DA972187
WATER SYSTEM ID NO.: none given
Continental Analytical Services
IPO72297 / IPTAF

EMSL Sample #	Client Sample #	Filter Area (sq mm)	Volume (ml)	Area Analyzed (sq mm)	Structures >10um Chr	Structures >10um Amp	Analytical Sensitivity (S/L 10^6)	Concentration* for Str. > 10um (S/L 10^6)
21871	F072297-58	1064	50	0.1120	0	0	0.1900	< 0.1900
21872	F072297-59	1064	50	0.1120	0	0	0.1900	< 0.1900
21873	F072297-60	1064	50	0.1120	0	0	0.1900	<0.1900
21874	F072297-61	1064	50	0.1120	0	0	0.1900	<0.1900
21875	F072297-62	1064	50	0.1120	0	0	0.1900	<0.1900
21876	F072297-63	1064	50	0.1120	0	0	0.1900	<0.1900

Sample check - in time : 7/ 23 / 97 10:41 A.M.
Sample filter time : 7 / 23 / 97 11:35 A.M.
Fibers <10 microns : No

* The current EPA guideline for compliance is 7.0 million structures per liter (7.0 S/L 10^6) for asbestos structures greater than 10 microns in length.

Analytical Sensitivity is calculated concentration based on one structure in the area analyzed.
Chr - Chrysotile, Amp - Amphibole. All amphiboles were crocidolite.

Authorized Signature : _____
Date: Monday, August 11,1997

EMSL Analytical, Inc.
1801 Royal Lane, Suite 908
Dallas, TX 75229

Phone: 972-831-9725
Fax: 972-444-0884

NVLAP #200034-0
TX DOH #30-0181
EPA H_2O #TX00959

Table 1

Asbestos Concentration for Structures > 10um in Length
TEM Water Analysis

EMSL Refernece # DA972187
WATER SYSTEM ID NO.: none given
Continental Analytical Services
IPO72297 / IPTAF

EMSL Sample #	Client Sample #	Filter Area (sq mm)	Volume (ml)	Area Analyzed (sq mm)	Structures >10um Chr	Structures >10um Amp	Analytical Sensitivity (S/L 10^6)	Concentration* for Str. > 10um (S/L 10^6)
21877	F072297-64	1064	50	0.1120	0	0	0.1900	<0.1900
21878	F072297-65	1064	50	0.1120	0	0	0.1900	<0.1900
21879	F072297-66	1064	50	0.1120	0	0	0.1900	< 0.1900
21880	F072297-67	1064	50	0.1120	0	0	0.1900	< 0.1900
21881	F072297-68	1064	50	0.1120	0	0	0.1900	<0.1900
21882	F072297-69	1064	50	0.1120	0	0	0.1900	<0.1900
21883	F072297-70	1064	50	0.1120	0	0	0.1900	<0.1900

Sample check - in time : 7 / 23 / 97 10:41 A.M.
Sample filter time : 7/ 23/ 97 11:41 A.M.
Fibers <10 microns : No

* The current EPA guideline for compliance is 7.0 million structures per liter (7.0 S/L 10^6) for asbestos structures greater than 10 microns in length.

Analytical Sensitivity is calculated concentration based on one structure in the area analyzed.
Chr - Chrysotile, Amp - Amphibole. All amphiboles were crocidolite.

Authorized Signature : _____
Date: Monday, August 11, 1997

EMSL Analytical, Inc.
1801 Royal Lane, Suite 908
Dallas, TX 75229

Phone: 972-831-9725
Fax: 972-444-0884

NVLAP #200034-0
TX DOH #30-0181
EPA H_2O #TX00959

CHAIN OF CUSTODY RECORD

LABORATORY No. F07297-58

CHAIN OF CUSTODY

Collected by/date: [signature] 07/22/97
Delivered by/date: [signature]
Received by/date:
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 1 Q plastic
Preservative used: Acid washed

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: FHWRP
Address: 11700 Railroad Pr
Project: IP
Sampling Point: DI TAP
Collection Date: 072297
Collection Time: 1015

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☑ 21-day TAT	☑ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☐ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

- ☐ Alkalinity - W1
- ☐ Ammonia - W2
- ☐ Biomonitoring - W3
- ☐ BOD - W4
- ☐ Bromate - W5
- ☐ Bromide - W6
- ☐ Calcium - W7
- ☐ Calcium Oxide - W8
- ☐ Chlorate -W9
- ☐ Chloride - W10
- ☐ Chlorine Dioxide - W11
- ☐ Chlorine Residual - W12
- ☐ Chlorite - W13
- ☐ COD - W14
- ☐ Color - W15
- ☐ Conductivity - W16
- ☐ Cyanide (amenable) - W17
- ☐ Cyanide (total) -W18
- ☐ Cyanide (week and dissociable) - W19
- ☐ Diluted Conductivity - W20
- ☐ DOC - W21
- ☐ Fluoride - W22
- ☐ Hardness (calcium) - W23
- ☐ Hardness (total) - W24
- ☐ Hydrogen Sulfide - W25
- ☐ Magnesium - W26
- ☐ Nitrate - W27
- ☐ Nitrate/Nitrite - W28
- ☐ Nitric Acid (specific gravity) - W29
- ☐ Oil and Grease - W30
- ☐ Ozone -W31
- ☐ pH - W32
- ☐ Phosphate-ortho - W33
- ☐ Phosphorus-total - W34
- ☐ Potassium -W35
- ☐ Silica - W36
- ☐ Sodium - W37
- ☐ Sulfate - W38
- ☐ Surfactants (MBAS) - W39
- ☐ Suspended Ash - W40
- ☐ Suspended Solids - W41
- ☐ Temperature Rise (lime) - W42
- ☐ TOC - W43
- ☐ Total Dissolved Solids - W44
- ☐ Total Kjeldahl Nitrogen - W45
- ☐ Total Solids - W46
- ☐ Turbidity - W47
- ☐ Virgin Carbon Analysis - W48
- ☐ Volatile Acids - W49
- ☐ Volatile Solids - W50
- ☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F072297-59

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr
Delivered by/date: [illegible] 7-22-97
Received by/date: [illegible] 072297
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 1000 ml PLASTIC
Preservative used:

CLIENT INFORMATION

Requested by: John BALLIEW
Samp. Location: FRANKLIN CANAL / INLET
Address: 800 CANAL ROAD
Project: IP
Sampling Point: CANAL / INFLUENT
Collection Date: 7-22-97
Collection Time: 0705

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☐ 21-day TAT	☑ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☑ Surface Water	☐ Soil
☐ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F072297-60

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr
Delivered by/date: 7-22-97
Received by/date: 072297
Delivered by/date:
Received by/date:
No. of containers:
Type of containers:
Preservative used:

CLIENT INFORMATION

Requested by: John Ballew
Samp. Location: Andres Pizza
Address: 3233 N. Mesa
Project: IP
Sampling Point: Bathroom sink
Collection Date: 7-22-97
Collection Time: 0725

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☐ 21-day TAT	☑ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☑ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F072297-61

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr
Delivered by/date: [illegible] 7-22-97
Received by/date: [illegible] 072297
Delivered by/date:
Received by/date:
No. of containers: 1
Type of containers: 1000 ml plastic
Preservative used:

CLIENT INFORMATION

Requested by: John Ballew
Samp. Location: MESA - KERN
Address: 3233 N Mesa
Project: EP
Sampling Point: HYDRANT # 4605
Collection Date: 7-22-97
Collection Time: 0730

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☐ 21-day TAT	☑ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☑ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15.	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F0722 97-62

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr
Delivered by/date: [illegible] 7-22-97
Received by/date: [illegible] 0722 97
Delivered by/date:
Received by/date:
No. of containers:
Type of containers:
Preservative used:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Residential Home
Address: 2601 Missouri
Project: IP
Sampling Point: outside faucet
Collection Date: 7-22-97
Collection Time: 0755

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☐ 21-day TAT	☑ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☑ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (ameneble) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F072297--6

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr
Delivered by/date: [signature] 7-22-97
Received by/date: [signature] 072297
Delivered by/date: _____
Received by/date: _____
No. of containers: _____
Type of containers: _____
Preservative used: _____

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: _____
Address: 2601 Missouri
Project: FP
Sampling Point: _____
Collection Date: 7-22-97
Collection Time: 0755

Report Format:	Turn-Around-Time Requested:	Sample Description:
✓ Standard Report	21-day TAT	✓ Grab
FAX Report to:	14-day TAT	Composite/Flow Proportional
Verbal Results	7-day TAT	Composite/Time Weighted
cc:Mail Results to:	2-day TAT	
Other:	Same day TAT	

Matrix Type:		
Reagent Water	Surface Water	Soil
✓ Drinking Water	Wastewater	Hazardous Waste
Ground Water	Sludge	Other:

ANALYSIS REQUESTED

WETCHEMISTRY

- Alkalinity - W1
- Ammonia - W2
- Biomonitoring - W3
- BOD - W4
- Bromate - W5
- Bromide - W6
- Calcium - W7
- Calcium Oxide - W8
- Chlorate -W9
- Chloride - W10
- Chlorine Dioxide - W11
- Chlorine Residual - W12
- Chlorite - W13
- COD - W14
- Color - W15
- Conductivity - W16
- Cyanide (amenable) - W17
- Cyanide (total) -W18
- Cyanide (weak and dissociable) - W19
- Diluted Conductivity - W20
- DOC - W21
- Fluoride - W22
- Hardness (calcium) - W23
- Hardness (total) - W24
- Hydrogen Sulfide - W25
- Magnesium - W26
- Nitrate - W27
- Nitrate/Nitrite - W28
- Nitric Acid (specific gravity) - W29
- Oil and Grease - W30
- Ozone -W31
- pH - W32
- Phosphete-ortho - W33
- Phosphorus-total - W34
- Potassium -W35
- Silica - W36
- Sodium - W37
- Sulfate - W38
- Surfactants (MBAS) - W39
- Suspended Ash - W40
- Suspended Solids - W41
- Temperature Rise (lime) - W42
- TOC - W43
- Total Dissolved Solids - W44
- Total Kjeldahl Nitrogen - W45
- Total Solids - W46
- Turbidity - W47
- Virgin Carbon Analysis - W48
- Volatile Acids - W49
- Volatile Solids - W50
- Other:

METALS

- 40 CFR Table III - M1
- 40 CFR Table IV - M2
- 40 CFR Table V - M3
- 503 Sludge Regulation - M4
- Hexavalent Chromium - M5
- NPDES - M6
- SDWA - M7
- TCLP - M9
- Other:

MISCELLANEOUS

- ✓ Asbestos
- Radionuclides
- X-Ray Diffraction
- % Generator Yield
- % Total Iron
- Other:

MICROBIOLOGY

- Coliforms-fecal - B1
- Coliforms-total - B2
- Coliphage - B3
- *Cryptosporidium - B4*
- Enteroviruses - B5
- *Escherichia coli - B6*
- *Giardia lamblia - B7*
- Heterotrophic Plate Count - B8
- Most Probable Number - B9
- PASCO - B10
- *Pseudomonas spp. - B11*
- *Salmonella spp. - B12*
- Stressed Organisms - B13
- *Vibrio cholerae - B14*
- Other:

ORGANICS

- Diazinon - O1
- Extractable Survey Search - O2
- Methane - O3
- PCB's - O4
- PESTICIDES (EPA 608) - O5
- PVOC/GRO - O6
- THM's - O7
- Total Petroleum Hydrocarbons - O8
- VOC (EPA 601/602) - O9
- Volatile Survey Search - O10
- TCLP - O11
- Other:

GROUPS

- Anion/Cation parameters - G1
- BOD, COD, Color, TSS - G2
- BOD, COD, TSS - G3
- Chloride, Sodium, Sulfate, TDS - G4
- Color, TSS - G5
- Lime Analyses - G6
- Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F072297-64

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr
Delivered by/date: [illegible] 7-22-97
Received by/date: [illegible] 072297
Delivered by/date:
Received by/date:
No. of containers:
Type of containers:
Preservative used:

CLIENT INFORMATION

Requested by: John Ballew
Samp. Location: Rosewood & Missouri
Address: 7600 Rosewood
Project: IP
Sampling Point: Hydrant #1610
Collection Date: 7-22-97
Collection Time: 0805

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☐ 21-day TAT	☑ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☑ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F072297-65

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr
Delivered by/date: [illegible] 7-22-97
Received by/date: [illegible] 072297
Delivered by/date:
Received by/date:
No. of containers:
Type of containers:
Preservative used:

CLIENT INFORMATION

Requested by: John Balliew
Samp. Location: Residential Home
Address: 1290 Kentucky
Project: IP
Sampling Point: Kitchen Sink
Collection Date: 7-22-97
Collection Time: 0820

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☐ 21-day TAT	☑ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☑ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F072297-66

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr
Delivered by/date: [illegible] 7-22-97
Received by/date: [illegible] 0729
Delivered by/date: _____
Received by/date: _____
No. of containers: _____
Type of containers: _____
Preservative used: _____

CLIENT INFORMATION

Requested by: John Ballizo
Samp. Location: San Jose & Kentucky
Address: _____
Project: _____
Sampling Point: Hydrant #2208
Collection Date: 7-22-97
Collection Time: 0825

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☐ 21-day TAT	☑ Grab
☐ FAX Report to: _____	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to: _____	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☑ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/802) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F072297-67

CHAIN OF CUSTODY

Collected by/date: Manny Molina Jr
Delivered by/date: 7-22-97
Received by/date: 072297
Delivered by/date:
Received by/date:
No. of containers:
Type of containers:
Preservative used:

CLIENT INFORMATION

Requested by: John Ballew
Samp. Location: Community College (Val Verde)
Address: 919 Hunter
Project: EP
Sampling Point: Drinking fountain by gym
Collection Date: 7-22-97
Collection Time: 0905

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☐ 21-day TAT	☑ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☑ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. #070297-68

CHAIN OF CUSTODY

Collected by/date: Manny Morano Jr
Delivered by/date: [illegible] 7-22-97
Received by/date: [illegible] 070297
Delivered by/date:
Received by/date:
No. of containers:
Type of containers:
Preservative used:

CLIENT INFORMATION

Requested by: John Billion
Samp. Location: Community College
Address: 919 Hunter
Project: EP
Sampling Point: Hydrant # 4506
Collection Date: 7-22-97
Collection Time: 0910

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☐ 21-day TAT	☑ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☑ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F072297-69

CHAIN OF CUSTODY

Collected by/date: MANNY MORENO JR
Delivered by/date: [signature] 7-22-97
Received by/date: [signature] 072297
Delivered by/date:
Received by/date:
No. of containers:
Type of containers:
Preservative used:

CLIENT INFORMATION

Requested by: JOHN BAILEY
Samp. Location: RESIDENTIAL HOME
Address: 16751 SUGARLAND
Project: IP
Sampling Point: OUTSIDE FAUCET
Collection Date: 7-22-97
Collection Time: 0945

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☐ 21-day TAT	☑ Grab
☐ FAX Report to:	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to:	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☑ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjeldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Heterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

CHAIN OF CUSTODY RECORD

LABORATORY No. F072297-00

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr
Delivered by/date: Manny Moreno Jr 7-22-97
Received by/date: Glyde 072297
Delivered by/date: _____
Received by/date: _____
No. of containers: _____
Type of containers: _____
Preservative used: _____

CLIENT INFORMATION

Requested by: John Billow
Samp. Location: Roundrock & Sugarland
Address: _____
Project: IF
Sampling Point: HYDRANT # 4633
Collection Date: 7-22-97
Collection Time: 0955

Report Format:	Turn-Around-Time Requested:	Sample Description:
☑ Standard Report	☐ 21-day TAT	☑ Grab
☐ FAX Report to: _____	☐ 14-day TAT	☐ Composite/Flow Proportional
☐ Verbal Results	☐ 7-day TAT	☐ Composite/Time Weighted
☐ cc:Mail Results to: _____	☐ 2-day TAT	
☐ Other:	☐ Same day TAT	

Matrix Type:		
☐ Reagent Water	☐ Surface Water	☐ Soil
☑ Drinking Water	☐ Wastewater	☐ Hazardous Waste
☐ Ground Water	☐ Sludge	☐ Other:

ANALYSIS REQUESTED

WETCHEMISTRY

☐ Alkalinity - W1	☐ Cyanide (total) -W18	☐ Potassium -W35
☐ Ammonia - W2	☐ Cyanide (week and dissociable) - W19	☐ Silica - W36
☐ Biomonitoring - W3	☐ Diluted Conductivity - W20	☐ Sodium - W37
☐ BOD - W4	☐ DOC - W21	☐ Sulfate - W38
☐ Bromate - W5	☐ Fluoride - W22	☐ Surfactants (MBAS) - W39
☐ Bromide - W6	☐ Hardness (calcium) - W23	☐ Suspended Ash - W40
☐ Calcium - W7	☐ Hardness (total) - W24	☐ Suspended Solids - W41
☐ Calcium Oxide - W8	☐ Hydrogen Sulfide - W25	☐ Temperature Rise (lime) - W42
☐ Chlorate -W9	☐ Magnesium - W26	☐ TOC - W43
☐ Chloride - W10	☐ Nitrate - W27	☐ Total Dissolved Solids - W44
☐ Chlorine Dioxide - W11	☐ Nitrate/Nitrite - W28	☐ Total Kjaldahl Nitrogen - W45
☐ Chlorine Residual - W12	☐ Nitric Acid (specific gravity) - W29	☐ Total Solids - W46
☐ Chlorite - W13	☐ Oil and Grease - W30	☐ Turbidity - W47
☐ COD - W14	☐ Ozone -W31	☐ Virgin Carbon Analysis - W48
☐ Color - W15	☐ pH - W32	☐ Volatile Acids - W49
☐ Conductivity - W16	☐ Phosphate-ortho - W33	☐ Volatile Solids - W50
☐ Cyanide (amenable) - W17	☐ Phosphorus-total - W34	☐ Other:

METALS

- ☐ 40 CFR Table III - M1
- ☐ 40 CFR Table IV - M2
- ☐ 40 CFR Table V - M3
- ☐ 503 Sludge Regulation - M4
- ☐ Hexavalent Chromium - M5
- ☐ NPDES - M6
- ☐ SDWA - M7
- ☐ TCLP - M9
- ☐ Other:

MISCELLANEOUS

- ☑ Asbestos
- ☐ Radionuclides
- ☐ X-Ray Diffraction
- ☐ % Generator Yield
- ☐ % Total Iron
- ☐ Other:

MICROBIOLOGY

- ☐ Coliforms-fecal - B1
- ☐ Coliforms-total - B2
- ☐ Coliphage - B3
- ☐ *Cryptosporidium - B4*
- ☐ Enteroviruses - B5
- ☐ *Escherichia coli - B6*
- ☐ *Giardia lamblia - B7*
- ☐ Haterotrophic Plate Count - B8
- ☐ Most Probable Number - B9
- ☐ PASCO - B10
- ☐ *Pseudomonas spp. - B11*
- ☐ *Salmonella spp. - B12*
- ☐ Stressed Organisms - B13
- ☐ *Vibrio cholerae - B14*
- ☐ Other:

ORGANICS

- ☐ Diazinon - O1
- ☐ Extractable Survey Search - O2
- ☐ Methane - O3
- ☐ PCB's - O4
- ☐ PESTICIDES (EPA 608) - O5
- ☐ PVOC/GRO - O6
- ☐ THM's - O7
- ☐ Total Petroleum Hydrocarbons - O8
- ☐ VOC (EPA 601/602) - O9
- ☐ Volatile Survey Search - O10
- ☐ TCLP - O11
- ☐ Other:

GROUPS

- ☐ Anion/Cation parameters - G1
- ☐ BOD, COD, Color, TSS - G2
- ☐ BOD, COD, TSS - G3
- ☐ Chloride, Sodium, Sulfate, TDS - G4
- ☐ Color, TSS - G5
- ☐ Lime Analyses - G6
- ☐ Salts - G7

Field Analyses:

TEM, Incorporated
443 Duane Street
Glen Ellyn, IL 60137
Phone (708)790-0880
Fax (708)790-0882

LABORATORY DATA SHEET for WATER SAMPLES BY TEM

CLIENT Continental Analytical Services	TEM PROJECT # 28746 DATE 7/23/96
CONTACT Mr. Cliff Baker	TURN AROUND TIME REQUIRED: 5 Working Days
ADDRESS	COMMENTS
CITY/STATE/ZIP	IP 061896
PHONE **FAX**	NVLAP ID # 1130

ASBESTOS FIBERS IN WATER

CLIENT ID	TEM NO.	CLIENT DESCRIPTION	SAMPLE TEMP. °C	SAMPLE VOLUME FILTERED	ASBESTOS STRUCTURES COUNTED	ASBESTOS STRUCTURES S/MM²	ANALYTICAL SENSITIVITY MFL	ASBESTOS CONC. MFL	ANALYST INITIALS
061896-44	61742	Franklin Canal	19.5	2	-	-	0.4	overload	KB
061896-45	61743	919 Hunter @ Phoenix	19.0	100	1	3.9	0.008	0.008	KB
061896-46	61744	" " Drk Fountain	19.0	100	0	<3.9	0.008	<0.008	KB
061896-47	61745	Mesa & Kern - Fire Hyd	19.5	100	4	15.7	0.008	0.03	KB
061896-48	61746	" " - Andres Pizza	19.1	100	1	3.9	0.008	0.008	KB
061896-49	61747	Roxwood & Missouri - Fire Hyd	20.4	100	0	<3.9	0.008	<0.008	KB
061896-50	61748	" " - Kitchen	18.7	2	0	<3.9	0.4	<0.4	KB
061896-51	61749	San Jose & Nancy - Fire Hyd	20.6	100	0	<3.9	0.008	<0.008	KB
061896-52	61750	" " Kitchen	20.3	100	0	<3.9	0.008	<0.008	KB
061896-53	61751	Duck	20.0	100	1	3.9	0.008	0.008	KB
061896-54	61752	Rockwood & Swimming - Fire Hyd	20.3	100	0	<3.9	0.008	<0.008	KB

NOTE: The State of Illinois Environmental Protection Agency (IEPA), as part of the USA EPA Region 5, has required analytical sensitivity for "Analytical Method for the Determination of Asbestos Fibers in Water, "(U.S. EPA-600/4-83-043, September, 1983) to be 100,000 fibers per liter (0.1 MFL).

Analyzed by: _____ Date: July 23, 1996

TEMH2O.REP

TEM, Incorporated
443 Duane Street
Glen Ellyn, IL 60137
Phone (708)790-0880
Fax (708)790-0882

LABORATORY DATA SHEET for
WATER SAMPLES BY TEM

CLIENT Continental Analytical Services,Inc.	TEM PROJECT # 28746 DATE 7/23/96
CONTACT	TURN AROUND TIME REQUIRED: 5 Working Days
ADDRESS	COMMENTS Page 2 of 2
CITY/STATE/ZIP	IP 061896
PHONE FAX	NVLAP•ID # 1130

ASBESTOS FIBERS IN WATER

CLIENT ID	TEM NO.	CLIENT DESCRIPTION	SAMPLE TEMP. °C	SAMPLE VOLUME FILTERED	ASBESTOS STRUCTURES COUNTED	ASBESTOS STRUCTURES S/MM²	ANALYTICAL SENSITIVITY MFL	ASBESTOS CONC. MFL	ANALYST INITIALS
061896-55	61753	RainRock & Sunscreens - Faucet	19.0	100	3	11.8	0.008	0.02	KB
061896-56	61754	Blank	20.	100	0	<3.9	0.008	<0.008	KB

NOTE: The State of Illinois Environmental Protection Agency (IEPA), as part of the USA EPA Region 5, has required analytical sensitivity for "Analytical Method for the Determination of Asbestos Fibers in Water, "(U.S. EPA-600/4-83-043, September, 1983) to be 100,000 fibers per liter (0.1 MFL).

Analyzed by: Kathleen Kirkley Date: July 23, 1996

TEMH2O.REP

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Moreno JR
Delivered by/date: [illegible] 6-18-96
Received by/date: [illegible] 061896
Delivered by/date:
Received by/date:

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	

Analysis Requested: Asbestos

Laboratory No. 061896 - 44

SAMPLE INFORMATION

Requested by: John Ballieu Div/Sec: 520
Organization: EPA'N Environmental Corp
Address: Franklin Canal
Category: IP Sampling Point: Inlet of the Franklin Canal to Crafton plant
Sample Type:
✓ Grab
__ Composite/Flow Proportional
__ Composite/Time Weighted
Collection Date: 6-18-96 to
Collection Time: 1330 to
Remarks:

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Moreno JR
Delivered by/date: [illegible] 8-18-96
Received by/date: [illegible] 061896
Delivered by/date:
Received by/date:

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	ICE

Analysis Requested: Asbestos

Laboratory No. 061896-45

SAMPLE INFORMATION

Requested by: John Ballieu Div/Sec: 520
Organization: EPA'N Environmental Corp
Address: 919 Hunter Road
Category: IP Sampling Point: HY DILANT # 4506
Sample Type:
✓ Grab
__ Composite/Flow Proportional
__ Composite/Time Weighted
Collection Date: 9-18-96 to
Collection Time: 0930 to
Remarks: (PHOENIX & Hunter) (1)

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Moreno JR
Delivered by/date: [illegible] 8-18-96
Received by/date: [illegible] 061896
Delivered by/date:
Received by/date:

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	ICE

Analysis Requested: Asbestos

Laboratory No. 061896-46

SAMPLE INFORMATION

Requested by: John Ballieu Div/Sec: 520
Organization: EPA'N Environmental Corp
Address: 919 Hunter Road
Category: IP Sampling Point: Drinking Faucet by Gym
Sample Type:
✓ Grab
__ Composite/Flow Proportional
__ Composite/Time Weighted
Collection Date: 9-18-96 to
Collection Time: 0940 to
Remarks: (1)

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr

Delivered by/date: 6-18-96

Received by/date: 061896

Delivered by/date:

Received by/date:

Laboratory No. 061896-47

SAMPLE INFORMATION

Requested by: John Ballien Div/Sec: 520

Organization: EDWU - Environmental Comp

Address: MESA AND KERN

Category: IP Sampling Point: FIRE HYDRANT

Sample Type:

✓ Grab

___ Composite/Flow Proportional

___ Composite/Time Weighted

Collection Date: 6-18-96 to

Collection Time: 1045 to

Remarks: (2)

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr

Delivered by/date: 6-18-96

Received by/date: 061896

Delivered by/date:

Received by/date:

Laboratory No. 061896-48

SAMPLE INFORMATION

Requested by: John Ballien Div/Sec: 520

Organization: EDWU - Environmental Comp.

Address: MESA AND KERN

Category: IP Sampling Point: BATHROOM SINK - ANDRES PIZZA

Sample Type:

✓ Grab

___ Composite/Flow Proportional

___ Composite/Time Weighted

Collection Date: 6-18-96 to

Collection Time: 1040 to

Remarks: (2)

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	

Analysis Requested: ASBESTOS

3

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Moreno Jr

Delivered by/date: 6-18-96

Received by/date: 061896

Delivered by/date:

Received by/date:

Laboratory No. 061896-49

SAMPLE INFORMATION

Requested by: John Ballien Div/Sec: 520

Organization: EDWU - Environmental Comp.

Address: ROSEWOOD & MISSOURI

Category: IP Sampling Point: FIRE HYDRANT # 1610

Sample Type:

✓ Grab

___ Composite/Flow Proportional

___ Composite/Time Weighted

Collection Date: 6-18-96 to

Collection Time: 1140 to

Remarks: (3)

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Moreno JI
Delivered by/date: Manny Moreno 6-18-96
Received by/date: [illegible] 061896
Delivered by/date:
Received by/date:

Laboratory No. 061896-56

SAMPLE INFORMATION

Requested by: John Ballew Div/Sec: 520
Organization: EPWU - Environmental Comp
Address: 1011 Missouri
Category: EP Sampling Point: Kitchen SINK
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 6-18-96 to
Collection Time: 1130 to
Remarks: (3)

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Moreno JI
Delivered by/date: Manny Moreno 6-18-96
Received by/date: [illegible] 061896
Delivered by/date:
Received by/date:

Laboratory No. 061896-51

SAMPLE INFORMATION

Requested by: John Ballew Div/Sec: 520
Organization: EPWU - Environmental Comp.
Address: San Jose & Kentucky
Category: EP Sampling Point: Fire Hydrant #2208
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 6-18-96 to
Collection Time: 1240 to
Remarks: (4)

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	ICE

Analysis Requested: ASBESTOS

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Moreno JI
Delivered by/date: Manny Moreno 6-18-96
Received by/date: [illegible] 061896
Delivered by/date:
Received by/date:

Laboratory No. 061896-52

SAMPLE INFORMATION

Requested by: John Ballew Div/Sec: 520
Organization: EPWU - Environmental Comp.
Address: 3 1290 Kentucky
Category: EP Sampling Point: Kitchen SINK
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 6-18-96 to
Collection Time: 1230 to
Remarks: (4)

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	

Analysis Requested: Asbestos

CHAIN OF CUSTODY

Collected by/date: Manny Moreno JI
Delivered by/date: [signature] 6-18-96
Received by/date: [signature] 061896
Delivered by/date: _____
Received by/date: _____

Laboratory No. 061896-55

SAMPLE INFORMATION

Requested by: John Ballew Div/Sec: 520
Organization: EPA - Environmental Comp
Address: _____
Category: IP Sampling Point: Kitchen sink
Sample Type: Duplicate sample
___ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 6-18-96 to _____
Collection Time: _____ to _____
Remarks: (4)

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Moreno JI
Delivered by/date: [signature] 6-19-96
Received by/date: [signature] 061896
Delivered by/date: _____
Received by/date: _____

Laboratory No. 061896-54

SAMPLE INFORMATION

Requested by: John Ballew Div/Sec: 520
Organization: Environmental Comp
Address: Raunorock / Sugarland
Category: IP Sampling Point: HYDRANT #4633
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 6-18-96 to _____
Collection Time: 1410 to _____
Remarks: (6)

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Moreno JI
Delivered by/date: [signature] 6-18-96
Received by/date: [signature] 061896
Delivered by/date: _____
Received by/date: _____

Laboratory No. 061896-55

SAMPLE INFORMATION

Requested by: John Ballew Div/Sec: 520
Organization: EPA - Env. Contracted Comp
Address: 10701 Sugarland
Category: IP Sampling Point: outside faucet
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 6-18-96 to _____
Collection Time: 1405 to _____
Remarks: (6)

Number of Containers	Type of Containers	Preservative Used
1	1000 ml plastic	

Analysis Requested: ASBESTOS

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: [signature] 061896
Delivered by/date: [signature] 061896
Received by/date: [signature] 061896
Delivered by/date: _____
Received by/date: _____

Laboratory No. 061896-56

SAMPLE INFORMATION

Requested by: J. Ballew Div/Sec: 520
Organization: Clark
Address: 11700 Rauorock
Category: IP Sampling Point: DE trip
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 06696 to _____
Collection Time: 1415 to _____
Remarks: Blank

Number of Containers	Type of Containers	Preservative Used
1	2 Cube	4° C

Analysis Requested: Asbestos

TEM, Incorporated

NIST-NVLAP	*TEM Air Samples*	*1130*
NIST-NVLAP	*Bulk Sample Analysis*	*1130*
NIOSH-PAT	*PCM Fiber Count*	*60126-001*
AIHA-AAR	*PCM Analyst*	*60126-001*

443 Duane Street, Glen Ellyn, Illinois 60137 Phone (708) 790-0880 Fax (708) 790-0882

July 7, 1995

Mr. Cliff Baker
Continental Analytical Services, Inc.
1804 Glendale Road
Salina, Kansas 67401

Re: Asbestos in Potable Water: CAS Project #ASB062095
TEM Project 27374

Dear Mr. Baker:

The attached laboratory report summarizes the results of the transmission electron microscopic analyses of the water samples submitted by your company. The samples were analyzed following procedures contained in the EPA's "Analytical Method for Determination of Asbestos Fibers in Water" by Eric J. Chatfield et. al. (EPA #100.1 600/4-83-043).

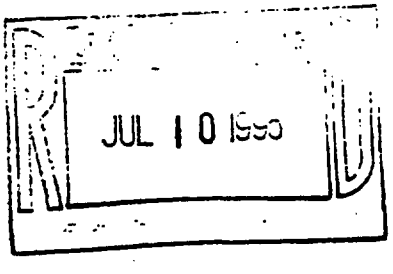
Please note that to achieve an analytical sensitivity of less than or equal to 0.01 million fibers per liter (MFL) it is necessary to filter 100mL of the original sample through a polycarbonate filter. This often results in filters that are overloaded with particulate material. Therefore, smaller volumes of filtered water are required to obtain a "readable" sample.

Whenever possible our laboratory filtered 100mL's of the submitted sample. When 100mL resulted in overloaded filter smaples, TEM, Inc. was obliged to filter 50mL, 25mL, 5mL or even 1mL of the submitted sample. Obviously the reduction in filterable water reduces the analytical sensitivity (limit of detection).

This report applies only to samples tested.

Sincerely,
TEM, Incorporated

Karen Buehler
Laboratory Manager



TEM, Incorporated
443 Duane Street
Glen Ellyn, IL 60137
Phone (708)790-0880
Fax (708)790-0882

LABORATORY DATA SHEET
WATER SAMPLES BY TEM

CLIENT Continental Analyticas Services, Inc.	TEM PROJECT # 27374 DATE 7/7/95
CONTACT Cliff Baker	TURN AROUND TIME REQUIRED: 5 Working Days
ADDRESS	COMMENTS
CITY/STATE/ZIP	CAS Project #ASB062095
PHONE **FAX**	NVLAP ID # 1130

ASBESTOS FIBERS IN WATER

CLIENT ID	TEM NO.	CLIENT DIRECTIVE	SAMPLE TEMP. °C	SAMPLE VOLUME FILTERED	ASBESTOS STRUCTURES COUNTED	ASBESTOS STRUCTURES S/MM²	ANALYTICAL SENSITIVITY MFL	ASBESTOS CONC. MFL	ANALYST INITIALS
DW061995-45	54176	Stop Analysis	17.8	100 ml	0	<13.8	0.03	<0.03	KB
DW061995-46	54177	Stop Analysis	17.8	100 ml	asbestos observed				BP
DW061995-47	54178	Analyze	15.7	10 ml	sample rejected (see Note #1 below)				BP
DW061995-48	54179	Analyze	15.0	100 ml	0	<5.2	0.01	<0.01	BP
DW061995-49	54180	analyze	13.6	100 ml	0	<4.9	0.01	<0.01	BP
DW061995-50	54181	Analyze	12.7	100 ml	0	<5.2	0.01	<0.01	BP
DW061995-51	54182	Analyze	8.0	25 ml	0	<4.9	0.04	<0.04	BP
DW061995-53	54813	Stop Analysis	15.1	25 ml	Asbestos Observed				BP
DW061995-52	54814	Analyze	12.4	100 ml	0	<4.9	0.01	<0.01	BP
		TEM, Inc. - Lab Blank	-	100 ml	0	<4.6	0.01	<0.01	BP

NOTE: The State of Illinois Environmental Protection Agency (IEPA), as part of the USA EPA Region 5, has required analytical sensitivity for "Analytical Method for the Determination of Asbestos Fibers in Water, "(U.S. EPA-600/4-83-043, September, 1983) to be 100,000 fibers per liter (0.1 MFL).

Analyzed by: Bruce Perkins Date: 6/28/95 and 7/6/95

NOTE #1: Sample overloaded, even at decreased volume filtered (i.e. 10 mls not 100 mls) plus sample contained pieces of filter material.

CHAIN OF CUSTODY

Collected by/date: R B D 061995
Delivered by/date: R B D 061995
Received by/date: R B D 061995
Delivered by/date:
Received by/date:

Laboratory No. 061995-45

SAMPLE INFORMATION

Requested by: J Ballieu Div/Sec: 520
Organization: Equiv. Env. Compl
Address:
Category: C Sampling Point: DI Water
Membrane Filtered

Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 061995 to
Collection Time: 1300 to
Remarks: Blank

Number of Containers	Type of Containers	Preservative Used
1	1 Qt Amb Glass	N/A

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Nancy Moreno SI
Delivered by/date: [illegible] 6-19-95
Received by/date: R Ballieu 061995
Delivered by/date:
Received by/date:

Laboratory No. 061995-46

SAMPLE INFORMATION

Requested by: John Ballieu Div/Sec: 520
Organization: Roscoe Moss
Address:
Category: IP Sampling Point: Hydrant #1610
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 6-19-95 to
Collection Time: 1255 to
Remarks: Duplicate

Number of Containers	Type of Containers	Preservative Used
1	1000 ml amber glass	4°C

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Nancy Moreno SI
Delivered by/date: [illegible] 6-19-95
Received by/date: R Ballieu 061995
Delivered by/date:
Received by/date:

Laboratory No. 061995-47

SAMPLE INFORMATION

Requested by: John Ballieu Div/Sec: 520
Organization: Franklin Canal
Address:
Category: IP Sampling Point: Influent to Canal Plant
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 6-19-95 to
Collection Time: 1225 to
Remarks:

Number of Containers	Type of Containers	Preservative Used
1	1000 ml amber glass	4°C

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Henry Nickens Jr

Delivered by/date: [illegible] 6-19-95

Received by/date: R Bellew 061995

Delivered by/date: _____

Received by/date: _____

Laboratory No. 061995-48

SAMPLE INFORMATION

Requested by: John Bellew Div/Sec: 520

Organization: Kennedick and Jeffers

Address: _____

Category: II Sampling Point: Hydrant #4633

Sample Type:

✓ Grab

___ Composite/Flow Proportional

___ Composite/Time Weighted

Collection Date: 6-19-95 to _____

Collection Time: 1715 to _____

Remarks: _____

Number of Containers	Type of Containers	Preservative Used
1	1000 ml amber glass	ice

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Henry Nickens Jr

Delivered by/date: [illegible] 6-19-95

Received by/date: R Bellew 061995

Delivered by/date: _____

Received by/date: _____

Laboratory No. 061995-49

SAMPLE INFORMATION

Requested by: John Bellew Div/Sec: 520

Organization: Mesa and Kiker

Address: _____

Category: II Sampling Point: Hydrant #4665

Sample Type:

✓ Grab

___ Composite/Flow Proportional

___ Composite/Time Weighted

Collection Date: 6-19-95 to _____

Collection Time: 1205 to _____

Remarks: _____

Number of Containers	Type of Containers	Preservative Used
1	1000 ml amber glass	ice

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Henry Nickens Jr

Delivered by/date: [illegible] 6-19-95

Received by/date: R Bellew 061995

Delivered by/date: _____

Received by/date: _____

Laboratory No. 061995-50

SAMPLE INFORMATION

Requested by: John Bellew Div/Sec: 520

Organization: Phoenix and Hunter

Address: Old Comm. Village

Category: II Sampling Point: Hydrant #4506

Sample Type:

✓ Grab

___ Composite/Flow Proportional

___ Composite/Time Weighted

Collection Date: 6-19-95 to _____

Collection Time: 1415 to _____

Remarks: _____

Number of Containers	Type of Containers	Preservative Used
1	1000 ml amber glass	ice

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Munoz 5.
Delivered by/date: Manny Munoz 6-19-95
Received by/date: R Bellan 061995
Delivered by/date:
Received by/date:

Laboratory No. 061995-51

SAMPLE INFORMATION

Requested by: John Phillips Div/Sec: 520
Organization: San Jose, Kentucky
Address:
Category: E1 Sampling Point: Hydrant # 2208
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 6-19-95 to
Collection Time: 1330 to
Remarks:

Number of Containers	Type of Containers	Preservative Used
1	1000 ml Rubber w/Mass	Ice

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: R Bellan 062095
Delivered by/date:
Received by/date: R Bellan 062095
Delivered by/date:
Received by/date:

Laboratory No. 061995-52

SAMPLE INFORMATION

Requested by: J. Ballew Div/Sec: 520
Organization: Env / Env Compl.
Address: Western Skies Pipe
Category: O Sampling Point: CW #1
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 062095 to
Collection Time: 0830 to
Remarks:

Number of Containers	Type of Containers	Preservative Used
1	950ml Amb. Gls	—

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Munoz 061995
Delivered by/date: Manny Munoz 061995
Received by/date: R Bellan 061995
Delivered by/date:
Received by/date:

Laboratory No. 061995-53

SAMPLE INFORMATION

Requested by: J Ballew Div/Sec:
Organization: Env Compl
Address:
Category: C Sampling Point: Hydrant #10
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 061995 to
Collection Time: 1255 to
Remarks: duplicate of 061995-46

Number of Containers	Type of Containers	Preservative Used
1	1 Gal Glass	N/A

Analysis Requested: Asbestos

TEM, Incorporated

NIST-NVLAP	*TEM Air Samples*	*1130*
NIST-NVLAP	*Bulk Sample Analysis*	*1130*
NIOSH-PAT	*PCM Fiber Count*	*60126-001*
AIHA-AAR	*PCM Analyst*	*60126-001*

443 Duane Street, Glen Ellyn, Illinois 60137 Phone (708) 790-0880 Fax (708) 790-0882

July 13, 1995

Ms. Doreen Simpson
Continental Analytical Services, Inc.
1804 Glendale Road
Salina, Kansas 67401

Re: Asbestos in Potable Water: ASB070695
TEM Project 27442

Dear Ms. Simpson:

The attached laboratory report summarizes the results of the transmission electron microscopic analyses of the water samples submitted by your company. The samples were analyzed following procedures contained in the EPA's "Analytical Method for Determination of Asbestos Fibers in Water" by Eric J. Chatfield et. al. (EPA #100.1 600/4-83-043).

Please note that to achieve an analytical sensitivity of less than or equal to 0.01 million fibers per liter (MFL) it is necessary to filter 100mL of the original sample through a polycarbonate filter. This often results in filters that are overloaded with particulate material. Therefore, smaller volumes of filtered water are required to obtain a "readable" sample.

Whenever possible our laboratory filtered 100mL's of the submitted sample. When 100mL resulted in overloaded filter smaples, TEM, Inc. was obliged to filter 50mL, 25mL, 5mL or even 1mL of the submitted sample. Obviously the reduction in filterable water reduces the analytical sensitivity (limit of detection).

This report applies only to samples tested.

Sincerely,
TEM, Incorporated

Karen Buehler
Laboratory Manager

TEM, Incorporated
443 Duane Street
Glen Ellyn, IL 60137
Phone (708)790-0880
Fax (708)790-0882

LABORATORY DATA SHEET for WATER SAMPLES BY TEM

CLIENT	Continental Analytical Services	TEM PROJECT # 27442	DATE 7/13/95
CONTACT	Doreen Simpson	TURN AROUND TIME REQUIRED:	5 Working Days
ADDRESS		COMMENTS	ASB070695
CITY/STATE/ZIP			
PHONE	**FAX**	NVLAP ID # 1130	

ASBESTOS FIBERS IN WATER

CLIENT ID	TEM NO.	CLIENT DESCRIPTION	SAMPLE TEMP. °C	SAMPLE VOLUME FILTERED	ASBESTOS STRUCTURES COUNTED	ASBESTOS STRUCTURES S/MM²	ANALYTICAL SENSITIVITY MFL	ASBESTOS CONC. MFL	ANALYST INITIALS
070695-38	54306		14.3	100 ml	0	<5.2	0.01	<0.01	BP (1)
070695-39	54307		21.3	100 ml	0	<5.2	0.01	<0.01	BP (1)
070695-40	54308		19.1	100 ml	0	<5.2	0.01	<0.01	BP (2)
		TEM, Inc. Laboratory Blank		not analyzed					

NOTE: The State of Illinois Environmental Protection Agency (IEPA), as part of the USA EPA Region 5, has required analytical sensitivity for "Analytical Method for the Determination of Asbestos Fibers in Water, "(U.S. EPA-600/4-83-043, September, 1983) to be 100,000 fibers per liter (0.1 MFL).

Analyzed by: Bruce Perry Date: July 12, 1995

(1) Fibers 0.5 um and greater in length were not observed.

(2) Contained biological material, some of which were >50 um in length.

WW20.REP

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: [illegible] 070695
Delivered by/date: [illegible] 070695
Received by/date: [illegible] 070695
Delivered by/date: [illegible] 070695
Received by/date: [illegible] 070695

Laboratory No. 070695-38

SAMPLE INFORMATION

Requested by: [illegible] Div/Sec: 585
Organization: EPWU/FHWRP
Address: 11700 Railroad Drive
Category: Fit Sampling Point: NI H_2O
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 070695 to ____
Collection Time: 1030 to ____
Remarks: ____

Number of Containers	Type of Containers	Preservative Used
1	1L Amber	—

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: Manny Morcido Jr.
Delivered by/date: John M. Campbell 7-6-95
Received by/date: CAC 070695
Delivered by/date: ____
Received by/date: ____

Laboratory No. 070695-39

SAMPLE INFORMATION

Requested by: John Bullivan Div/Sec: 520
Organization: ____
Address: ____
Category: IF Sampling Point: Fire Hydrant
Sample Type: AT Rosewood and Missouri
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 7-6-95 to ____
Collection Time: 17.00 to ____
Remarks: ____

Number of Containers	Type of Containers	Preservative Used
1	1000 ml	
	amber glass	

Analysis Requested: Asbestos

SAMPLE TAG

CHAIN OF CUSTODY

Collected by/date: [illegible] 070695
Delivered by/date: [illegible] 070695
Received by/date: [illegible] 070695
Delivered by/date: [illegible] 070695
Received by/date: [illegible] 070695

Laboratory No. 070695-40

SAMPLE INFORMATION

Requested by: [illegible] Div/Sec: 585
Organization: EPWU/FHWRP
Address: 11700 Railroad Drive
Category: FH Sampling Point: Cu #2
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Date: 070695 to ____
Collection Time: 1020 to ____
Remarks: ____

Number of Containers	Type of Containers	Preservative Used
1	1L Amber	—

Analysis Requested: Asbestos

TEM, Incorporated 443 Duane Street Phone (708)790-0880
~~Glen Ellyn, IL 60137~~ ~~Fax (708)790-0882~~

LABORATORY DATA SHEET for ~~WATER SAMPLES BY TEM~~

CLIENT Continental Analytical Services	**TEM PROJECT #** 25756 **DATE** June 9, 1994
CONTACT Doreen L. Simpson	**TURN AROUND TIME REQUIRED** 5 days
ADDRESS 1804 Glendale	**COMMENTS - CONTACT LAB IMMEDIATELY UPON RECEIPT**
CITY/STATE/ZIP Salina, Kansas 67401-6675	
PHONE 1-800-535-3076 **FAX**(913)823-7830	**NVLAP ID #** 1130

CLIENT ID	TEM NO.	CLIENT DESCRIPTION	SAMPLE TEMP. °C	SAMPLE VOLUME FILTERED	ASBESTOS STRUCTURES COUNTED	ASBESTOS STRUCTURES PER MM2	ANALYTICAL SENSITIVITY MFL	ASBESTOS CONC. MFL	ANALYST INITIALS	GRID OPEN-INGS	ASBESTOS FIBER LENGTH	PASS/ FAIL
060894-48	43523	potable water	23.0	50 ml	44 (Chry)	3698	0.3	14.8	JT	1	44>10um	Fail[1]
060894-49	43524	potable water	22.8	50 ml	overloaded	-	-	-	JT	-	NA	Reprep[2]
060894-49	43524	potable water	22.8	2 ml	0	7	8.40	<8.40	BP	12	NA	Fail?[3]
060894-50	43525	potable water	21.8	50 ml	0	<14.0	0.06	<0.06	JT	6	1<10um	Pass
060894-51	43526	potable water	22.5	50 ml	overloaded	-	-	-	JT	-	NA	Reprep[2]
060894-51	43526	potable water	22.5	2 ml	0	7	8.40	<8.40	BP	12	NA	Fail?[4]
060894-52	43527	potable water	21.7	50 ml	0	<14.0	0.06	<0.06	JT	6	1<10um	Pass
060894-53	43528	potable water	20.8	50 ml	1 (Chry)	14.0	0.06	0.06	JT	6	1<,1>10um	Pass
060894-54	43529	potable water	19.5	50 ml	0	<14.0	0.06	<0.06	JT	6	NA	Pass
060894-55	43530	potable water	16.6	50 ml	0	<14.0	0.06	<0.06	JT	6	NA	Pass
060894-56	43531	potable water	18.0	50 ml	0	<14.0	0.06	<0.06	JT	6	NA	Pass

NOTE: Approximately 800 mL of sample should be taken in 1 liter bottles. Glass sampling bottles are preferable to plastic. If plastic bottles are used, polyethylene is better than polypropylene. Do not use acid or mercuric chloride as a preservative. Send samples next day morning delivery so that TEM, Inc. can filter samples within 48 hrs of collection. Samples should be sent in the dark at 4°C.

NOTE: The required analytical sensitivity for "Analytical Method for the Determination of Asbestos Fibers in Water, "(U.S. EPA-600/4-83-043, September, 1983) is 200,000 fibers per liter (0.2 MFL).

[1] Sample exceeded action level of 7 MFL. New sample is requested.
[2] Sample overload with particulate material. Sample needs to be reprepped.
[3] The sample was diluted and reprepped. Loading is moderate. No asbestos observed. The analytical sensitivity is high, thus a new sample is requested.
[4] The sample was diluted and reprepped. Sample is still overloaded. A new sample is needed for analysis.

RELINQUISHED (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME
RELINQUISHED (SIGNATURE)	DATE / TIME	ANALYZED BY (SIGNATURE) Bruce Perry	DATE / TIME June 16, 1994

d:WP51/CASwater

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) MANNY MORENO JR.
(2)
(3)
Delivered by/Date 6-8-94
Received by/Date R Fleshmen 060894
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 060894-48

SAMPLE INFORMATION
Requested by: JOHN BALLIEW Div/Sec: 520
Organization: EPWU/Env. Comp
Address: ROSEWOOD AND MISSOURI
Category: EPD Sampling Point: HYDRANT
Sample Type: # 1810
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 0600 to
Collection Date: 6-8-94 to
Preservative Used:

Special Instructions/Remarks:
Analyses Requested:

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) MANNY MORENO JR
(2)
(3)
Delivered by/Date 6-8-94
Received by/Date R Fleshmen 060894
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 060894.49

SAMPLE INFORMATION
Requested by: JOHN BALLIEW Div/Sec: 520
Organization: EPWU/Env Comp
Address: SAN JOSE AND KENTUCKY
Category: EPD Sampling Point: HYDRANT
Sample Type: #2208
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 0735 to
Collection Date: 6-8-94 to
Preservative Used:

Special Instructions/Remarks:
Analyses Requested:

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) MANNY MORENO JR
(2)
(3)
Delivered by/Date 6-8-94
Received by/Date R Fleshmen 060894
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 060894-50

SAMPLE INFORMATION
Requested by: JOHN BALLIEW Div/Sec: 520
Organization: EPWU/Env Comp
Address: MESA AND KERN
Category: EPD Sampling Point: HYDRANT
Sample Type: # 4635
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 0700 to
Collection Date: 6-8-94 to
Preservative Used:

Special Instructions/Remarks:
Analyses Requested:

SAMPLE ANALYSIS TAG

Date/Lab No. 060894 - 51

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Jr
(2)
(3)
Delivered by/Date 6-8-94
Received by/Date P Fleshman 060894
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

SAMPLE INFORMATION
Requested by: John Ballew Div/Sec: 520
Organization: FRANKLIN CANAL
Address: EPWU / ENV Compl
Category: ~~EP~~ O Sampling Point: FRANKLIN CANAL PLANT INTAKE
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 0625 to
Collection Date: 6-8-94 to
Preservative Used:

Special Instructions/Remarks:
Analyses Requested:

SAMPLE ANALYSIS TAG

Date/Lab No. 060894-52

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Jr
(2)
(3)
Delivered by/Date 6-8-94
Received by/Date P Fleshman 060894
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

SAMPLE INFORMATION
Requested by: John Ballew Div/Sec: 520
Organization: EPWU / ENV Compl
Address: ROUND ROCK AND SUGARLAND
Category: ~~EP~~ O Sampling Point: HYDRANT # 4633
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 0850 to
Collection Date: 6-8-94 to
Preservative Used:

Special Instructions/Remarks:
Analyses Requested:

SAMPLE ANALYSIS TAG

Date/Lab No. 060894 - 53

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Jr
(2)
(3)
Delivered by/Date 6-8-94
Received by/Date P Fleshman 060894
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

SAMPLE INFORMATION
Requested by: John Ballew Div/Sec: 520
Organization: EPWU / ENV Compl
Address: PHOENIX AND HUNTER
Category: ~~EP~~ O Sampling Point: HYDRANT #
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 0820 to
Collection Date: 6-8-94 to
Preservative Used:

Special Instructions/Remarks:
Analyses Requested:

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) _____
(2) _____
(3) RBD
Delivered by/Date Ruben Beltran 060894
Received by/Date P Fleshman 060894
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____

Date/Lab No. 060894-56
SAMPLE INFORMATION
Requested by: J Ballew Div/Sec: _____
Organization: EPWU/Env Comp
Address: Central Lab/1170 RR
Category: O Sampling Point: Tap water
Sample Type:
✓ Grab
_____ Composite/Flow Proportional
_____ Composite/Time Weighted
Collection Time: 0940 to _____
Collection Date: 060594 to _____
Preservative Used: _____

Special Instructions/Remarks: _____
Analyses Requested: _____

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Molendo Jr
(2) _____
(3) _____ 6-8-94
Delivered by/Date
Received by/Date P Fleshman 060894
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____

Date/Lab No. 060894-54
SAMPLE INFORMATION
Requested by: John Ballew Div/Sec: 520
Organization: EPWU/Env Comp
Address: DUPLICATE
Category: O Sampling Point: _____
Sample Type:
✓ Grab
_____ Composite/Flow Proportional
_____ Composite/Time Weighted
Collection Time: 0809 to _____
Collection Date: 6-8-94 to _____
Preservative Used: ICE

Special Instructions/Remarks: _____
Analyses Requested: _____
(Phosph. x 8 Hardness

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) _____
(2) RBD
(3) _____
Delivered by/Date Ruben Beltran 060894
Received by/Date P Fleshman 060894
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____

Date/Lab No. 060894-55
SAMPLE INFORMATION
Requested by: J Ballew Div/Sec: _____
Organization: EPWU/Env Comp
Address: Central Lab/1170 RR
Category: O Sampling Point: DI Water
Sample Type:
✓ Grab
_____ Composite/Flow Proportional
_____ Composite/Time Weighted
Collection Time: 0930 to _____
Collection Date: 060894 to _____
Preservative Used: _____

Special Instructions/Remarks: DI water Blank
Analyses Requested: _____

TEM, Incorporated

443 Duane Street
Glen Ellyn, IL 60137

Phone (708)790-0880
Fax (708)790-0882

LABORATORY DATA SHEET for WATER SAMPLES BY TEM

CLIENT Continental Analytical Services, Inc.	TEM PROJECT # 25861 DATE 6/23/94
CONTACT Paulette Garman	TURN AROUND TIME REQUIRED
ADDRESS 1804 Glendale	COMMENTS - CONTACT LAB IMMEDIATELY UPON RECEIPT
CITY/STATE/ZIP Salina, KS 67401	ASB062294/IPT Inspectors
PHONE FAX	NVLAP ID # 1130

CLIENT ID	TEM NO.	CLIENT DESCRIPTION	SAMPLE TEMP. °C	SAMPLE VOLUME FILTERED	ASBESTOS STRUCTURES COUNTED	ASBESTOS STRUCTURES PER MM2	ANALYTICAL SENSITIVITY MFL	ASBESTOS CONC. MFL	ANALYST INITIALS	COMMENTS G. O. #
2294-62	44282	Drinking Water	9.7	50 ml	8	37.4	0.02	0.15	JT	18

NOTE: Approximately 800 mL of sample should be taken in 1 liter bottles. Glass sampling bottles are preferable to plastic. If plastic bottles are used, polyethylene is better than polypropylene. Do not use acid or mercuric chloride as a preservative. Send samples next day morning delivery so that TEM, Inc. can filter samples within 48 hrs of collection. Samples should be sent in the dark at 4°C.

NOTE: The required analytical sensitivity for "Analytical Method for the Determination of Asbestos Fibers in Water," (U.S. EPA-600/4-83-043, September, 1983) is 200,000 fibers per liter (0.2 MFL).

RELINQUISHED (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME
RELINQUISHED (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME
RELINQUISHED (SIGNATURE)	DATE / TIME	ANALYZED BY (SIGNATURE) [signature]	DATE / TIME 6/29/94

d:WP51/TEMWATER 7/6/94

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Jr
(2)
(3)
Delivered by/Date [signature] 6-22-94
Received by/Date [signature] 062294
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 062294-62

SAMPLE INFORMATION
Requested by: John Baliero Div/Sec: 520
Organization: Rosewood & Missouri
Address: Hydrant # 1810
Category: I/O Sampling Point: Hydrant
Sample Type:
✓ Grab
Composite/Flow Proportional
Composite/Time Weighted
Collection Time: 830 to
Collection Date: 6-22-94 to
Preservative Used: Ice

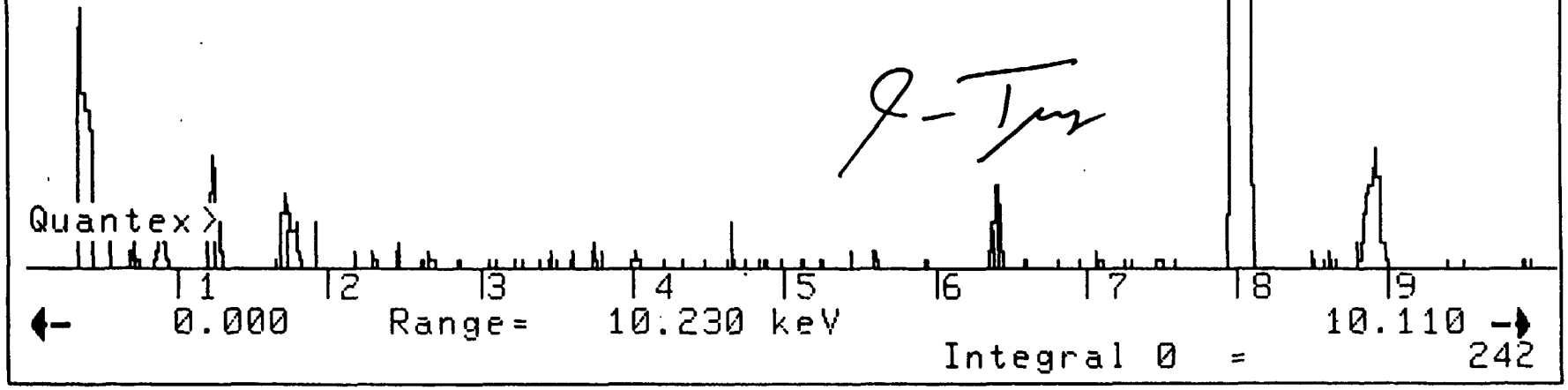
Special Instructions/Remarks: Asbestos
Analyses Requested:

29-Jun-1994 07:53:24

Vert= 100 counts Disp= 1 Preset= 20 secs
Elapsed= 20 secs
Client:CAS Lab:44282 Grid Open.: 18 Struct. #: 1

	Counts/Sec	Counts/Counts-Si	Window %
Na	0.00	0.00	0.00
Mg	2.55	6.30	26.02
Al	0.00	0.00	0.00
Si	4.05	10.00	41.33
K	0.00	0.00	0.00
Ca	0.65	1.60	6.63
Mn	0.10	0.25	1.02
Fe	2.45	6.05	25.00

← Excess Fe due to Rust in water



Integral 0 = 242

TEM, Incorporated

443 Duane Street, Glen Ellyn, IL 60137
(708) 790-0880

TEM, Incorporated
443 Duane Street
Glen Ellyn, IL 60137
Phone (708)790-0880
Fax (708)790-0882

LABORATORY DATA SHEET for WATER SAMPLES BY TEM

CLIENT Continental Analytical Services	**TEM PROJECT #** 25906 **DATE** 6/29/94
CONTACT Doreen Simpson	**TURN AROUND TIME REQUIRED** 5 days
ADDRESS 1804 Glendale	**COMMENTS - CONTACT LAB IMMEDIATELY UPON RECEIPT**
CITY/STATE/ZIP Salina, KS 67401	Project: #IP062894 Project Name: IPT/ASB
PHONE **FAX**	**NVLAP ID #** 1130

CLIENT ID	TEM NO.	CLIENT DESCRIPTION	SAMPLE TEMP. °C	SAMPLE VOLUME FILTERED	ASBESTOS STRUCTURES COUNTED	ASBESTOS STRUCTURES PER MM2	ANALYTICAL SENSITIVITY MFL	ASBESTOS CONC. MFL	ANALYST INITIALS	COMMENTS
062894-52	44614-C	Drinking Water	18.7	100	0	4.7	0.0093	<0.0093	BP	no asbestos detected

NOTE: Approximately 800 mL of sample should be taken in 1 liter bottles. Glass sampling bottles are preferable to plastic. If plastic bottles are used, polyethylene is better than polypropylene. Do not use acid or mercuric chloride as a preservative. Send samples next day morning delivery so that TEM, Inc. can filter samples within 48 hrs of collection. Samples should be sent in the dark at 4°C.

NOTE: The required analytical sensitivity for "Analytical Method for the Determination of Asbestos Fibers in Water, "(U.S. EPA-600/4-83-043, September, 1983) is 200,000 fibers per liter (0.2 MFL).

RELINQUISHED (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME
RELINQUISHED (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME
RELINQUISHED (SIGNATURE)	DATE / TIME	ANALYZED BY (SIGNATURE) Bruce Perry	DATE / TIME July 1, 1994

d:\IP51\TEMWATER 7/5/94

SAMPLE ANALYSIS TAG

Date/Lab No. 062894-52

SAMPLE INFORMATION

Requested by: Doreen Simpson Div/Sec: 520

Organization: ITAR-FILE SAMPLE

Address: Salina, KS

Category: IPD Sampling Point: INLET

Sample Type:
- ✓ Grab
- ___ Composite/Flow Proportional
- ___ Composite/Time Weighted

Collection Time: 1410 to ___

Collection Date: 6-23-94 to ___

Preservative Used: ___

CHAIN OF CUSTODY

Collected by (1) Tiffany Marcum JT

(2) ___

(3) ___

Delivered by/Date Tiffany Marcum 6-23-94

Received by/Date Bruce Perry 062894

Delivered by/Date ___

Received by/Date ___

Delivered by/Date ___

Received by/Date ___

Delivered by/Date ___

Received by/Date ___

Special Instructions/Remarks: Asbestos

Analyses Requested: ___

TEM, Incorporated
443 Duane Street
Glen Ellyn, IL 60137
Phone (708)790-0880
Fax (708)790-0882

LABORATORY DATA SHEET for WATER SAMPLES BY TEM

CLIENT Continental Analytical Services	**TEM PROJECT #** 26051 **DATE** 7/20/94
CONTACT Doreen Simpson	**TURN AROUND TIME REQUIRED**
ADDRESS	**COMMENTS - CONTACT LAB IMMEDIATELY UPON RECEIPT**
CITY/STATE/ZIP	El Paso Water Service
PHONE **FAX**	**NVLAP ID # 1130**

CLIENT ID	TEM NO.	CLIENT DESCRIPTION	SAMPLE TEMP. °C	SAMPLE VOLUME FILTERED	ASBESTOS STRUCTURES COUNTED	ASBESTOS STRUCTURES PER MM2	ANALYTICAL SENSITIVITY MFL	ASBESTOS CONC. MFL	ANALYST INITIALS	COMMENTS
071894-65	45473	Drinking Water	6.9	50 ml	0	<3.11	0.0124	<0.01240	KB	
071894-66	45474	River Water	7.9	10 ml	0	<3.11	0.0622	<0.0622	KB	

NOTE: Approximately 800 mL of sample should be taken in 1 liter bottles. Glass sampling bottles are preferable to plastic. If plastic bottles are used, polyethylene is better than polypropylene. Do not use acid or mercuric chloride as a preservative. Send samples next day morning delivery so that TEM, Inc. can filter samples within 48 hrs of collection. Samples should be sent in the dark at 4°C.

NOTE: The required analytical sensitivity for "Analytical Method for the Determination of Asbestos Fibers in Water, "(U.S. EPA-600/4-83-043, September, 1983) is 200,000 fibers per liter (0.2 MFL).

RELINQUISHED (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME
RELINQUISHED (SIGNATURE)	DATE / TIME	RECEIVED BY (SIGNATURE)	DATE / TIME
RELINQUISHED (SIGNATURE)	DATE / TIME	ANALYZED BY (SIGNATURE) Kaun Dudley	DATE / TIME 8-9-94

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno & / Rudy Peña
(2) _____
(3) _____
Delivered by/Date _____ 7-18-94
Received by/Date R Fleshman 071894
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____

Date/Lab No. 071894-65

SAMPLE INFORMATION
Requested by: John Ballew Div/Sec: 520
Organization: Hydrant # 2208
Address: San Jose & Kentucky
Category: EP Sampling Point: Fire Hydrant #2208
Sample Type:
✓ Grab
_____ Composite/Flow Proportional
_____ Composite/Time Weighted
Collection Time: 1140 to _____
Collection Date: 7-18-94 to _____
Preservative Used: Ice

Special Instructions/Remarks: _____
Analyses Requested: Asbestos

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno & Rudy Peña
(2) _____
(3) _____
Delivered by/Date _____ 7-18-94
Received by/Date R Fleshman 071894
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____

Date/Lab No. 071894-66

SAMPLE INFORMATION
Requested by: John Ballew Div/Sec: 520
Organization: Jonathan Rogers W.T.P.
Address: 10000 Southside Road
Category: EP Sampling Point: ~~RAW~~ Influent
Sample Type:
✓ Grab
_____ Composite/Flow Proportional
_____ Composite/Time Weighted
Collection Time: 1600 to _____
Collection Date: 7-18-94 to _____
Preservative Used: Ice

Special Instructions/Remarks: _____
Analyses Requested: Asbestos

Westmont, NJ 609-858-4800 | Piscataway, NJ 908-981-0550 | Smyrna, GA 404-333-6066 | Ann Arbor, MI 313-668-6810 | San Mateo, CA 415-570-5401 | Melbourne, FL 407-253-4224

EMSL

Wednesday, October 14, 1993

El Paso Water Utilities
Public Service Board
1154 Hawkins Blvd.
El Paso, Tx, 79925

Attention: Roberto Luna

ASBESTOS FIBER ANALYSIS in **WATER** by TRANSMISSION ELECTRON MICROSCOPY(TEM)
SELECTIVE AREA ELECTRON DIFFRACTION (SAED) and ENERGY DISPERSIVE
X-RAY MICROANALYSIS (EDX)

Project: O 092293

ANALYTICAL RESULTS

SAMPLE ID	#ASBESTOS FIBERS	#NON-ASBESTOS FIBERS	TYPE(S) OF ASBESTOS	CONCENTRATION OF ASBESTOS FIBERS (millions/liter)		DETECTION L IMIT (millions/liter)
				>10µm	>0.5µm	
092293-56	0	0	None Detected	<0.74	<0.74	0.20
092293-57	0	0	None Detected	<0.74	<0.74	0.20
092293-58	0	0	None Detected	<0.74	<0.74	0.20
092293-59	0	0	None Detected	<0.74	<0.74	0.20
092293-60	0	0	None Detected	<0.74	<0.74	0.20
092293-61	0	0	None Detected	<0.74	<0.74	0.20
092293-62	0	0	None Detected	<0.74	<0.74	0.20
092293-63	0	0	None Detected	<0.74	<0.74	0.20

Peter Frasca, Ph.D.
President

DFL
Analyst

JN
QC Analyst

R.K. Mahoney
Laboratory Supervisor

Westmont, NJ 609-858-4800 | Piscataway, NJ 908-981-0550 | Smyrna, GA 404-333-6066 | Ann Arbor, MI 313-668-6810 | San Mateo, CA 415-570-5401 | Melbourne, FL 407-253-4224

EMSL

Wednesday, October 14, 1993

El Paso Water Utilities
Public Service Board
1154 Hawkins Blvd.
El Paso, Tx, 79925

Attention: Roberto Luna

ASBESTOS FIBER ANALYSIS in WATER by TRANSMISSION ELECTRON MICROSCOPY(TEM)
SELECTIVE AREA ELECTRON DIFFRACTION (SAED) and ENERGY DISPERSIVE
X-RAY MICROANALYSIS (EDX)

Project: O 092293

ANALYTICAL RESULTS

SAMPLE ID	#ASBESTOS FIBERS	#NON-ASBESTOS FIBERS	TYPE(S) OF ASBESTOS	CONCENTRATION OF ASBESTOS FIBERS (millions/liter) >10µm	CONCENTRATION OF ASBESTOS FIBERS (millions/liter) >0.5µm	DETECTION L IMIT (millions/liter)
092293-64	0	0	None Detected	<0.74	<0.74	0.20
EMSL Blank	0	0	None Detected	<0.55	<0.55	0.15
092293-56QC	0	0	None Detected	<0.74	<0.74	0.20

Peter Frasca, Ph.D.
President

DFL
Analyst

JN
QC Analyst

R. K. Mahoney
Laboratory
Supervisor

Westmont, NJ 609-858-4800
Piscataway, NJ 908-981-0550
Smyrna, GA 404-333-6066
Ann Arbor, MI 313-668-6810
San Mateo, CA 415-570-5401
Melbourne, FL 407-253-4224

EMSL

Wednesday, October 14, 1993

El Paso Water Utilities
Public Service Board
1154 Hawkins Blvd.
El Paso, Tx, 79925

Attention: Roberto Luna

ASBESTOS FIBER ANALYSIS in WATER by TRANSMISSION ELECTRON MICROSCOPY(TEM)
SELECTIVE AREA ELECTRON DIFFRACTION (SAED) and ENERGY DISPERSIVE
X-RAY MICROANALYSIS (EDX)

Project: O 092293

SAMPLING DATA

Sample ID	Date	Time	Sampler	Analysis Date
092293-56	092293	1210	Jonathan Rogers	100993
092293-57	092293	1235	Jonathan Rogers	100993
092293-58	092293	1340	Jonathan Rogers	100993
092293-59	092293	1140	Jonathan Rogers	100993
092293-60	092293	1405	Jonathan Rogers	100993
092293-61	092293	1115	Jonathan Rogers	100993
092293-62	092293	1040	Jonathan Rogers	100993
092293-63	092293	1045	Jonathan Rogers	100993
092293-64	092293	1435	Jonathan Rogers	100993

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Jr
(2)
(3)
Delivered by/Date Manny Moreno 9-22-93
Received by/Date PF Eashmen 092293
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 092293-56

SAMPLE INFORMATION
Requested by: John Bailey Div/Sec: 520
Organization: Canal Plant #1
Address:
Category: IPC Sampling Point: Effluent
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 1210 to
Collection Date: 9-22-93 to
Preservative Used: Ice

Special Instructions/Remarks:
Analyses Requested: Asbestos

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Jr
(2)
(3)
Delivered by/Date Manny Moreno 9-22-93
Received by/Date PF Eashmen 092293
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 092293-57

SAMPLE INFORMATION
Requested by: John Bailey Div/Sec: 522
Organization: Mesa & Kern #2
Address:
Category: IPC Sampling Point: Fire Hydrant
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 1235 to
Collection Date: 9-22-93 to
Preservative Used: Ice

Special Instructions/Remarks:
Analyses Requested: Asbestos

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Jr
(2)
(3)
Delivered by/Date Manny Moreno 9-22-93
Received by/Date PF Eashmen 092293
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 092293-58

SAMPLE INFORMATION
Requested by: John Bailey Div/Sec: 522
Organization: San Jose & Kentucky #2
Address:
Category: IPC Sampling Point: Fire Hydrant
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 1340 to
Collection Date: 9-22-93 to
Preservative Used: Ice

Special Instructions/Remarks:
Analyses Requested: Asbestos

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Jr
(2)
(3)
Delivered by/Date Manny Moreno 9-22-93
Received by/Date J. Fleshman 092293
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 092293-59

SAMPLE INFORMATION
Requested by: John Ballew Div/Sec: 520
Organization: Rosewood and Missouri #4
Address:
Category: IPO Sampling Point: Fire Hydrant
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 1140 to
Collection Date: 9-22-93 to
Preservative Used: Ice

Special Instructions/Remarks:
Analyses Requested: Asbestos

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Jr
(2)
(3)
Delivered by/Date Manny Moreno 9-22-93
Received by/Date J. Fleshman 092293
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 092293-60

SAMPLE INFORMATION
Requested by: John Ballew Div/Sec: 520
Organization: Kowndrack & Sugarland #5
Address:
Category: IPO Sampling Point: Fire Hydrant
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 1405 to
Collection Date: 9-22-93 to
Preservative Used: Ice

Special Instructions/Remarks:
Analyses Requested: Asbestos

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Jr
(2)
(3)
Delivered by/Date Manny Moreno 9-22-93
Received by/Date J. Fleshman 092293
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 092293-61

SAMPLE INFORMATION
Requested by: John Ballew Div/Sec: 520
Organization: EPCC Valle Verde Campus #6
Address:
Category: IPO Sampling Point: Fire Hydrant
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 1115 to
Collection Date: 9-22-93 to
Preservative Used: Ice

Special Instructions/Remarks:
Analyses Requested: Asbestos

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Jr
(2)
(3)
Delivered by/Date 9-22-93
Received by/Date LP Fleshman 092293
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 092293-62
SAMPLE INFORMATION
Requested by: John Bailiew Div/Sec: 520
Organization: Jonathan Rogers Plant #7
Address:
Category: IPC Sampling Point: Influent
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 1040 to
Collection Date: 9-22-93 to
Preservative Used: Ice

Special Instructions/Remarks:
Analyses Requested: Asbestos

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno Sr
(2)
(3)
Delivered by/Date 9-22-93
Received by/Date LP Fleshman 092293
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 092293-63
SAMPLE INFORMATION
Requested by: John Bailiew Div/Sec: 520
Organization: Jonathan Rogers Plant #5
Address:
Category: IPC Sampling Point: Effluent
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 1045 to
Collection Date: 9-22-93 to
Preservative Used: Ice

Special Instructions/Remarks:
Analyses Requested: Asbestos

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Manny Moreno JI
(2)
(3)
Delivered by/Date 9-22-93
Received by/Date LP Fleshman 092293
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 092293-64
SAMPLE INFORMATION
Requested by: John Bailiew Div/Sec: 520
Organization: Fred Hervey Plant #4
Address:
Category: IPC Sampling Point: Effluent
Sample Type:
✓ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 1435 to
Collection Date: 9-22-93 to
Preservative Used: Ice

Special Instructions/Remarks:
Analyses Requested: Asbestos

EL PASO WATER UTILITIES
Fred Hervey Water Reclamation Plant Laboratory
Tel (915) 821-0616 FAX (915) 821-4358

MEMORANDUM

TO: J. Balliew, Environmental Compliance Engineer
FROM: P. Fleshman, Sample Custodian
DATE: 10 July 1992
SUBJECT: Asbestos Testing
REF: my memo dated 061992

Results of the testing of El Paso water from six different sites for the presence or absence of asbestos fibers have been received from MSL ELECTRON-MICROSCOPY SERVICE LABORATORIES INC have been received and are forwarded herewith

APPROVED
JUL 9 1992
BY:

EMSL ELECTRON-MICROSCOPY SERVICE LABORATORIES INC.

Corporate Office
and
Main Laboratory

108 Haddon Avenue
Westmont, NJ
08108
(609) 858-4800

◆

1800 Peachtree St. N.W.
Suite 305
Atlanta, GA
30309
(404) 355-4046

1056 Stelton Road
Piscataway, NJ
08854
(908) 981-0550

2 DeAngelo Drive
Bedford, MA
01730
(617) 275-7080

212 S. Wagner Rd.
Ann Arbor, MI
48103
(313) 668-6810

1720 S. Amphlett Blvd.
Suite130
San Mateo, CA
94402
(415) 570-5401

1440 Maple Ave.
Suite 7A
Lisle, IL
60532
(708) 241-1901

8401 Corporate Dr.
Suite 140
Landover, MD
20785
(301) 459-8776

July 6, 1992

Robert Luna
El Paso Water Utilities
1154 Hawkins Blvd.
El Paso, TX 79925

RE: Asbestos Analysis of Water Samples
EPA-600/4-84-043

Dear Mr. Luna:

Enclosed please find results for sample numbers 062292-42 thru 49 which were analyzed for asbestos content by EPA-600/4-84-043 method. Since no asbestos was detected, the fiber sizes were not shown.

If you have any questions, please do not hesitate to call me.

Yours truly,

Peter Frasca Ph.D
Director

EL PASO WATER UTILITIES
PUBLIC SERVICE BOARD

P.O. BOX 511
EL PASO, TX 79961-0001
PHONE: 915-594-5500

(915) 821-0616

22 June 1992

EMSL ANALYTICAL
ATTN Maria Boisclair
108 Haddon Avenue
Westmont, NJ 08108

Doreen Simpson of Continental Analytical Services writes that she has contacted you regarding the testing of water samples for asbestos fibers and has forwarded a purchase order for eight samples.

Accordingly, enclosed please find eight water samples for asbestos testing.

Please bear in mind that a special reporting format is required. This report must, at the minimum, list the Method Number, Detection Limits, and Asbestos Concentration by Fiber Types, Sizes and Mass for each sample.

Please send the original report to El Paso Water Utilities, ATTN: Roberto A. Luna, and send a copy of the report and the invoice for work performed to Ms Simpson at CAS.

The ice chest (property of CAS) should be returned to EPWU, 11700 Railroad Drive, El Paso, TX 79924 by UPS.

If there are any questions, please phone me.

Sincerely,

Roberto A. Luna
Chemist II

821.0616

RECEIVED
EMSL
WESTMONT, N.J.
92 JUN 23 AM 11:34
D. Kellum

EMSL ELECTRON-MICROSCOPY SERVICE LABORATORIES INC.

REPORT OF ASBESTOS ANALYSIS IN WATER

Job #: El Paso Water Utilities, TX
P.O. #: 053888 CAS, Salina, KS
Workorder #:
Report #:
Phone #:

Date Sampled: 06/22/92
Date Received: 06/23/92

Sampled By: IPJ Inspectors
Analyzed By: Al Baltz

Lab #: 9228482

Sample I.D. : 062292-42

Sample ashed: No
Sample volume filtered (ml): 10 ml
Number of grid squares counted: 50
Analytical sensitivity (MFL): 0.3

CHRYSOTILE FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

AMPHIBOLE FIBERS (*)

Numer of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

TOTAL FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND: Not detected
NA: Not analyzed

Approved by

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Judy Lewis & Melvin Mares
(2)
(3)
Delivered by/Date Judy Lewis 6-23-92
Received by/Date J Freeman 062292
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 062292-42

SAMPLE INFORMATION
Requested by: R. Lewis Div/Sec: 650
Organization: El Paso Water System
Address:
Category: D Sampling Point: Finished Water
Sample Type:
✓ Grab
Composite/Flow Proportional
Composite/Time Weighted
Collection Time: 1100 to
Collection Date: 6-22-92 to
Preservative Used: Ice

Special Instructions/Remarks:
Analyses Requested: Asbestos

EMSL ELECTRON-MICROSCOPY SERVICE LABORATORIES INC.

REPORT OF ASBESTOS ANALYSIS IN WATER

Job #: El Paso Water Utilities, TX
P.O. #: 053888 CAS, Salina, KS
Workorder #:
Report #:
Phone #:

Date Sampled: 06/22/92 Sampled By: IPJ Inspectors
Date Received: 06/23/92 Analyzed By: Al Baltz

Lab #: 9228483 Sample I.D. : 062292-43

Sample ashed: No
Sample volume filtered (ml): 20 ml
Number of grid squares counted: 25
Analytical sensitivity (MFL): 0.3

CHRYSOTILE FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

AMPHIBOLE FIBERS (*)

Numer of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

TOTAL FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND: Not detected
NA: Not analyzed

Approved by _____

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) _____
(2) _____
(3) _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____

Date/Lab No. 062292-43
SAMPLE INFORMATION
Requested by: _____ Div/Sec: _____
Organization: _____
Address: _____
Category: _____ Sampling Point: _____
Sample Type:
___ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: 1610 to _____
Collection Date: 6-22-92 to _____
Preservative Used: _____

Special Instructions/Remarks: _____
Analyses Requested: _____

EMSL ELECTRON-MICROSCOPY SERVICE LABORATORIES INC.

REPORT OF ASBESTOS ANALYSIS IN WATER

Job #: El Paso Water Utilities, TX
P.O. #: 053888 CAS, Salina, KS
Workorder #:
Report #:
Phone #:

Date Sampled:	06/22/92	Sampled By:	IPJ Inspectors
Date Received:	06/23/92	Analyzed By:	Al Baltz

Lab #: 9228484 Sample I.D. : 062292-44

Sample ashed: No
Sample volume filtered (ml): 20 ml
Number of grid squares counted: 25
Analytical sensitivity (MFL): 0.3

CHRYSOTILE FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

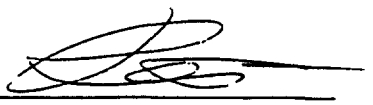
AMPHIBOLE FIBERS (*)

Numer of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

TOTAL FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND: Not detected
NA: Not analyzed

Approved by 

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) [illegible]
(2)
(3)
Delivered by/Date [illegible]
Received by/Date [illegible]
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

Date/Lab No. 062292-44

SAMPLE INFORMATION
Requested by: [illegible] Div/Sec: [illegible]
Organization: [illegible]
Address:
Category: C Sampling Point: [illegible]
Sample Type:
✓ Grab
Composite/Flow Proportional
Composite/Time Weighted
Collection Time: [illegible] to
Collection Date: [illegible] to
Preservative Used: [illegible]

Special Instructions/Remarks:
Analyses Requested: [illegible]

EMSL ELECTRON·MICROSCOPY SERVICE LABORATORIES INC.

REPORT OF ASBESTOS ANALYSIS IN WATER

Job #: El Paso Water Utilities, TX
P.O. #: 053888 CAS, Salina, KS
Workorder #:
Report #:
Phone #:

Date Sampled: 06/22/92 Sampled By: IPJ Inspectors
Date Received: 06/23/92 Analyzed By: Al Baltz

Lab #: 9228485 Sample I.D. : 062292-45

Sample ashed: No
Sample volume filtered (ml): 20 ml
Number of grid squares counted: 25
Analytical sensitivity (MFL): 0.3

CHRYSOTILE FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

AMPHIBOLE FIBERS (*)

Numer of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

TOTAL FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND: Not detected
NA: Not analyzed

Approved by 

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) Ruby Pinon / Manny Moreno
(2) _____
(3) _____
Delivered by/Date Ruby Pinon 6/22
Received by/Date T. Eggleston 6/23/92
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____

Date/Lab No. 062292-45

SAMPLE INFORMATION
Requested by: R. Lucas Div/Sec: 650
Organization: El Paso Water System
Address: _____
Category: C Sampling Point: Raw Water Effluent
Sample Type:
C Grab
_____ Composite/Flow Proportional
_____ Composite/Time Weighted
Collection Time: 1025 to _____
Collection Date: 6/22/92 to _____
Preservative Used: Cool 4°C

Special Instructions/Remarks: _____
Analyses Requested: Asbestos

EMSL ELECTRON-MICROSCOPY SERVICE LABORATORIES INC.

REPORT OF ASBESTOS ANALYSIS IN WATER

Job #: El Paso Water Utilities, TX
P.O. #: 053888 CAS, Salina, KS
Workorder #:
Report #:
Phone #:

Date Sampled: 06/22/92
Date Received: 06/23/92

Sampled By: IPJ Inspectors
Analyzed By: Al Baltz

Lab #: 9228486

Sample I.D. : 062292-46

Sample ashed: No
Sample volume filtered (ml): 20 ml
Number of grid squares counted: 25
Analytical sensitivity (MFL): 0.3

CHRYSOTILE FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

AMPHIBOLE FIBERS (*)

Numer of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

TOTAL FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND: Not detected
NA: Not analyzed

Approved by _____

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) _____
(2) _____
(3) _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____
Delivered by/Date _____
Received by/Date _____

Date/Lab No. 062292-46

SAMPLE INFORMATION
Requested by: _____ Div/Sec: _____
Organization: _____
Address: _____
Category: _____ Sampling Point: _____
Sample Type:
___ Grab
___ Composite/Flow Proportional
___ Composite/Time Weighted
Collection Time: _____ to _____
Collection Date: _____ to _____
Preservative Used: _____

Special Instructions/Remarks: _____
Analyses Requested: _____

EMSL ELECTRON-MICROSCOPY SERVICE LABORATORIES INC.

REPORT OF ASBESTOS ANALYSIS IN WATER

Job #: El Paso Water Utilities, TX
P.O. #: 053888 CAS, Salina, KS
Workorder #:
Report #:
Phone #:

Date Sampled:	06/22/92	Sampled By:	IPJ Inspectors
Date Received:	06/23/92	Analyzed By:	Al Baltz

Lab #: 9228487 | Sample I.D. : 062292-47

Sample ashed: No
Sample volume filtered (ml): 20 ml
Number of grid squares counted: 25
Analytical sensitivity (MFL): 0.3

CHRYSOTILE FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

AMPHIBOLE FIBERS (*)

Numer of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

TOTAL FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND: Not detected
NA: Not analyzed

Approved by ______________

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY — Date/Lab No. 062292.47

Collected by (1) [illegible]
(2) ______
(3) ______
Delivered by/Date [illegible] 6-22-92
Received by/Date [illegible] 062292
Delivered by/Date ______
Received by/Date ______
Delivered by/Date ______
Received by/Date ______
Delivered by/Date ______
Received by/Date ______

SAMPLE INFORMATION

Requested by: [illegible] Div/Sec: [illegible]
Organization: [illegible]
Address:
Category: ______ Sampling Point: [illegible]
Sample Type:
✓ Grab
______ Composite/Flow Proportional
______ Composite/Time Weighted
Collection Time: [illegible] to ______
Collection Date: 6-22-92 to ______
Preservative Used: Blue Ice

Special Instructions/Remarks:
Analyses Requested: [illegible]

EMSL ELECTRON-MICROSCOPY SERVICE LABORATORIES INC.

REPORT OF ASBESTOS ANALYSIS IN WATER

Job #: El Paso Water Utilities, TX
P.O. #: 053888 CAS, Salina, KS
Workorder #:
Report #:
Phone #:

Date Sampled: 06/22/92 Sampled By: IPJ Inspectors
Date Received: 06/23/92 Analyzed By: Al Baltz

Lab #: 9228488 Sample I.D.: 062292-48

Sample ashed: No
Sample volume filtered (ml): 20 ml
Number of grid squares counted: 25
Analytical sensitivity (MFL): 0.3

CHRYSOTILE FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

AMPHIBOLE FIBERS (*)

Numer of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

TOTAL FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND: Not detected
NA: Not analyzed

Approved by [signature]

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY
Collected by (1) [illegible]
(2) ______
(3) [illegible]
Delivered by/Date [illegible] 6-22-92
Received by/Date [illegible] 6-22-92
Delivered by/Date ______
Received by/Date ______
Delivered by/Date ______
Received by/Date ______
Delivered by/Date ______
Received by/Date ______

Date/Lab No. 062292-48

SAMPLE INFORMATION
Requested by: [illegible] Div/Sec: [illegible]
Organization: [illegible]
Address:
Category: [illegible] Sampling Point: [illegible] Duplicate
Sample Type:
✓ Grab
______ Composite/Flow Proportional
______ Composite/Time Weighted
Collection Time: [illegible] to ______
Collection Date: 6-22-92 to ______
Preservative Used: [illegible]

Special Instructions/Remarks: ______
Analyses Requested: [illegible]

EMSL ELECTRON·MICROSCOPY SERVICE LABORATORIES INC.

REPORT OF ASBESTOS ANALYSIS IN WATER

Job #: El Paso Water Utilities, TX
P.O. #: 053888 CAS, Salina, KS
Workorder #:
Report #:
Phone #:

Date Sampled: 06/22/92
Date Received: 06/23/92

Sampled By: IPJ Inspectors
Analyzed By: Al Baltz

Lab #: 9228489

Sample I.D. : 062292-49

Sample ashed: No
Sample volume filtered (ml): 20 ml
Number of grid squares counted: 25
Analytical sensitivity (MFL): 0.3

CHRYSOTILE FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

AMPHIBOLE FIBERS (*)

Numer of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

TOTAL FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND: Not detected
NA: Not analyzed

Approved by ________

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY

Collected by (1) ________
(2) ________
(3) P. Fleshman
Delivered by/Date ________
Received by/Date P. Fleshman 062292
Delivered by/Date ________
Received by/Date ________
Delivered by/Date ________
Received by/Date ________
Delivered by/Date ________
Received by/Date ________

Date/Lab No. 062292-49

SAMPLE INFORMATION

Requested by: ________ Div/Sec: ________
Organization: ________
Address: ________
Category: ________ Sampling Point: ________
Sample Type:
✓ Grab
____ Composite/Flow Proportional
____ Composite/Time Weighted
Collection Time: ________ to ________
Collection Date: 062292 to ________
Preservative Used: ________

Special Instructions/Remarks: ________
Analyses Requested: ________

EMSL ELECTRON-MICROSCOPY SERVICE LABORATORIES INC.

REPORT OF ASBESTOS ANALYSIS IN WATER

Job #: El Paso Water Utilities, TX
P.O. #: 053888 CAS, Salina, KS
Workorder #:
Report #:
Phone #:

Date Sampled: 06/22/92
Date Received: 06/23/92
Sampled By: IPJ Inspectors
Analyzed By: Al Baltz

Lab #: 9228490
Sample I.D. : EMSL Blank

Sample ashed: No
Sample volume filtered (ml): 100 ml
Number of grid squares counted: 10
Analytical sensitivity (MFL): 0.15

CHRYSOTILE FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

AMPHIBOLE FIBERS (*)

Numer of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

TOTAL FIBERS

Number of fibers counted: 0
Mean fiber conc. (MFL): 0
Upper 95% conf. limit (MFL): 0
Lower 95% conf. limit (MFL): 0
Estimated mass (ug/l): 0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND: Not detected
NA: Not analyzed

Approved by _____

EL PASO WATER UTILITIES

Fred Hervey Water Reclamation Plant Laboratory
11700 Railroad Dr, El Paso TX 79924 (915) 821-0616

CHAIN OF CUSTODY RECORD & ANALYTICAL REQUEST

To: EMSL Analytical

Sampled by: IPT Inspectors

BH 31674

Item no.	Sample Time	X Comp	X Grab	X Fluid	X Solid	Sample Identification	No. Btls	Preservd with	Test Requested	Comments:
1			X	X		062292-42	1	N/A	Asbestos	92284482
2			X	X		062292-43	1	N/A	Asbestos	83
3			X	X		062292-44	1	N/A	Asbestos	84
4			X	X		062292-45	1	N/A	Asbestos	85
5			X	X		062292-46	1	N/A	Asbestos	86
6			X	X		062292-47	1	N/A	Asbestos	87
7			X	X		062292-48	1	N/A	Asbestos	88
8			X	X		062292-49	1	N/A	Asbestos	89
9						EMSL BLANK				92284490
10										

Relinquished By (Signature):	Date/Time	Received By (Signature):	Date/Time
[signature]	6/22/92 1500	Cindy Kellum	6/23/92 11:35
Relinquished By (Signature):	Date/Time	Received By (Signature):	Date/Time

Professional Service Industries, Inc.
Pittsburgh Testing Laboratory Division

Report To: Wilson Laboratories
525 North Eighth Street
Salina, KS 67410

Report For: EPWU/ Fred Herney Lab
11700 Railroad Drive
El Paso, TX 79924

Project No: 815-19072
AS 121891-1
Sampled By IPT
Inspectors for
EPWU
Date: December 26,1991

Report Of: Transmission Electron Microscopic (TEM) Analysis Of Water Sample For Asbestos

Introduction

Seven water sample(s) were submitted by Wilson Laboratories on 12-19-91. The purpose of the investigation was to analyze the water by TEM for asbestos content.

Method

A variable known volume of water sample is filtered through a 0.1 um pore size polycarbonate filter and the filter is then carbon coated. A small portion of the carbon coated filter is placed on an electron microscope grid and the filter material is removed by gentle solution in organic solvent. The material remaining on the electron microscope grid is examined in a transmission electron microscope at a magnification of about 20,000X. The asbestos fibers are identified by their morphology and electron diffraction patterns and their chemical composition.

Results

Client #	PSI Serial #	Concentration	Detection Limits (MFL)
AS 121791-37	9112276	No Asbestos Detected	0.057
AS 121791-38	9112277	No Asbestos Detected	0.057
AS 121791-39	9112278	No Asbestos Detected	0.057
AS 121791-40	9112279	No Asbestos Detected	0.057
AS 121791-41	9112280	No Asbestos Detected	0.057
AS 121791-42	9112281	No Asbestos Detected	0.057
AS 121891-34	9112282	No Asbestos Detected	0.057

Respectfully submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.
Sheryl Kraft
Division Manager, TEM Department

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY

Collected by (1) MANNY MORENO JR
(2)
(3)
Delivered by/Date Manny Moreno Jr 12-17-91
Received by/Date P Fleshman 121791
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

SAMPLE INFORMATION

Date/Lab No. 121791-37
Requested by: JOHN BALLICW Div/Sec: 130
Company/Organization: EPWU
Address: ROUND LOCK & SUGARLAND
Category: Asb STD Sample Point: HYDRANT
Sample Type:
Grab: ✓
Composite/flow Proportional:
Composite/Time weighted:
Collection Date: 12-17-91 to 12-17-91
Preservative Used: ICE
TIME: 1437

Special Instructions/Remarks:
Analyses Requested: Asbestos Study

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY

Collected by (1) MANNY MORENO JR
(2)
(3)
Delivered by/Date Manny Moreno Jr 12-17-91
Received by/Date P Fleshman 121791
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

SAMPLE INFORMATION

Date/Lab No. 121791-38
Requested by: JOHN BALLICW Div/Sec: 130
Company/Organization: EPWU
Address: MESA & KERN
Category: Asb STD Sample Point: HYDRANT
Sample Type:
Grab: ✓
Composite/flow Proportional:
Composite/Time weighted:
Collection Date: 12-17-91 to 12-17-91
Preservative Used: ICE
TIME: 1319

Special Instructions/Remarks:
Analyses Requested: Asbestos Study

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY

Collected by (1) MANNY MORENO JR
(2)
(3)
Delivered by/Date Manny Moreno Jr 12-17-91
Received by/Date P Fleshman 121791
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

SAMPLE INFORMATION

Date/Lab No. 121791-39
Requested by: JOHN BALLICW Div/Sec: 130
Company/Organization: EPWU
Address: SAN JOSE & KENTUCKY
Category: Asb STD Sample Point: HYDRANT
Sample Type:
Grab: ✓
Composite/flow Proportional:
Composite/Time weighted:
Collection Date: 12-17-91 to 12-17-91
Preservative Used: ICE
TIME: 1205

Special Instructions/Remarks:
Analyses Requested: Asbestos Study

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY

Collected by (1) MANNY MORENO JR
(2)
(3)
Delivered by/Date Manny Moreno Jr 12-17-91
Received by/Date P Fleshman 121791
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

SAMPLE INFORMATION

Date/Lab No. 121791-40
Requested by: JOHN BALLICW Div/Sec: 130
Company/Organization: EPWU
Address: ROSEWOOD & MISSOURI
Category: Asb STD Sample Point: HYDRANT
Sample Type:
Grab: ✓
Composite/flow Proportional:
Composite/Time weighted:
Collection Date: 12-17-91 to 12-17-91
Preservative Used: ICE
TIME 1300

Special Instructions/Remarks:
Analyses Requested: Asbestos Study

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY

Collected by (1) Manny Morello Jr
(2)
(3)
Delivered by/Date Manny Morello 12-17-91
Received by/Date P Fleshman 121791
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

SAMPLE INFORMATION

Date/Lab No. 121791-41
Requested by: JOHN BALLIEW Div/Sec: 130
Company/Organization: EPWU
Address: PHOENIX & HUNTER
Category: Asb STD Sample Point: HYDRANT
Sample Type:
Grab: ✓
Composite/flow Proportional:
Composite/Time weighted:
Collection Date: 12-17-91 to 12-17-91
Preservative Used: ICE

Special Instructions/Remarks: TIME: 1350
Analyses Requested: Asbestos study

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY

Collected by (1) Manny Morello Jr
(2)
(3)
Delivered by/Date Manny Morello 12-17-91
Received by/Date P Fleshman 121791
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

SAMPLE INFORMATION

Date/Lab No. 121791-42
Requested by: JOHN BALLIEW Div/Sec: 130
Company/Organization: EPWU
Address: - H -
Category: Sample Point:
Sample Type:
Grab: ✓
Composite/flow Proportional:
Composite/Time weighted:
Collection Date: 12-17-91 to 12-17-91
Preservative Used: ICE

Special Instructions/Remarks: duplof 121791-39
Analyses Requested: Asbestos study

SAMPLE ANALYSIS TAG

CHAIN OF CUSTODY

Collected by (1)
(2) P Fleshman
(3)
Delivered by/Date D Fleshman
Received by/Date P Fleshman 121891
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date
Delivered by/Date
Received by/Date

SAMPLE INFORMATION

Date/Lab No. 121891-34
Requested by: J Ballew Div/Sec: 130
Company/Organization: EPWU
Address: Western Skies & Pine
Category: Asb Std Sample Point: Fire Hydrant
Sample Type:
Grab: ✓
Composite/flow Proportional:
Composite/Time weighted:
Collection Date: 121891 to
Preservative Used: Refrigeration

Special Instructions/Remarks: (Blank: one DI water C. Hood) Time: 0900
Analyses Requested: ~~Asbestos Study~~

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Asbestos Analysis in water

El Paso Water Utilities
11700 Railroad Drive
El Paso, TX 79924
Attn: Robert Luna

Job#: 437.1450
PO#: 64412
Workorder#: W27681
Report#: R27468
Phone #: 915-821-0616

Date Sampled: 3/21/90
Date Received: 3/23/90
Sampled By: Client
Analyzed by: CJ Belt

Lab#: K39864 Sample I.D.: 032190-20

Sample ashed: Yes
Sample volume filtered (ml): 4.0
Number of grid squares counted: 20
Analytical sensitivity (MFL): 1.5

CHRYSOTILE FIBERS		CHRYSOTILE FIBERS > 10 MICRONS	
Number of fibers counted:	5.0	Number of fibers counted:	0.0
Mean fiber conc.(MFL):	7.4	Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	15	Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	-0.22	Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.12	Estimated mass (ug/l):	0.0

AMPHIBOLE FIBERS (*)		TOTAL FIBERS	
Number of fibers counted:	0.0	Number of fibers counted:	5.0
Mean fiber conc. (MFL):	0.0	Mean fiber conc. (MFL):	7.4
Upper 95% conf. limit (MFL):	0.0	Upper 95% conf. limit (MFL):	15
Lower 95% conf. limit (MFL):	0.0	Lower 95% conf. limit (MFL):	-0.22
Estimated mass (ug/l):	0.0	Estimated mass (ug/l):	0.12

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by _____

APPROVED
MAY 15 1990
QC OFFICER

Mesa & Kern

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Length Distribution

Lab#: K39864 Sample I.D.: 032190-20

Length Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 0.23	0	0	0
0.23 - 0.34	0	0	0
0.34 - 0.50	0	0	0
0.50 - 0.73	1	1	20
0.73 - 1.08	1	2	40
1.08 - 1.58	1	3	60
1.58 - 2.32	0	3	60
2.32 - 3.41	0	3	60
3.41 - 5.00	0	3	60
5.00 - 7.34	1	4	80
7.34 - 10.77	1	5	100
10.77 - 15.81	0	5	100
15.81 - 23.21	0	5	100
23.21 - 34.06	0	5	100
34.06 - 50.00	0	5	100
50.00 - 73.40	0	5	100
73.40 - 107.70	0	5	100
107.70 - 158.10	0	5	100
158.10 - 232.10	0	5	100
232.10 - 340.60	0	5	100
340.60 - inf.	0	5	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Width Distribution

Lab#: K39864 Sample I.D.: 032190-20

Width Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.000 - 0.023	0	0	0
0.023 - 0.034	1	1	20
0.034 - 0.050	0	1	20
0.050 - 0.073	3	4	80
0.073 - 0.110	1	5	100
0.110 - 0.160	0	5	100
0.160 - 0.230	0	5	100
0.230 - 0.340	0	5	100
0.340 - 0.500	0	5	100
0.500 - 0.730	0	5	100
0.730 - 1.080	0	5	100
1.080 - 1.580	0	5	100
1.580 - 2.320	0	5	100
2.320 - 3.410	0	5	100
3.410 - 5.000	0	5	100
5.000 - 7.340	0	5	100
7.340 - 10.770	0	5	100
10.770 - 15.810	0	5	100
15.810 - 23.210	0	5	100
23.210 - 34.060	0	5	100
34.060 - inf.	0	5	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Aspect Ratio Distribution

Lab#: K39864 Sample I.D.: 032190-20

Aspect Ratio Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 3.00	0	0	0
3.00 - 4.40	0	0	0
4.40 - 6.46	0	0	0
6.46 - 9.49	1	1	20
9.49 - 13.92	1	2	40
13.92 - 20.44	0	2	40
20.44 - 30.00	0	2	40
30.00 - 44.00	1	3	60
44.00 - 64.60	0	3	60
64.60 - 94.90	0	3	60
94.90 - 139.20	2	5	100
139.20 - 204.40	0	5	100
204.40 - 300.00	0	5	100
300.00 - 440.00	0	5	100
440.00 - 646.00	0	5	100
646.00 - 949.00	0	5	100
949.00 - 1392.00	0	5	100
1392.00 - 2044.00	0	5	100
2044.00 - 3000.00	0	5	100
3000.00 - 4403.00	0	5	100
4403.00 - inf.	0	5	100

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Report of Asbestos Analysis in water

El Paso Water Utilities
11700 Railroad Drive
El Paso, TX 79924
Attn: Robert Luna

Job#: 437.1450
PO#: 64412
Workorder#: W27681
Report#: R27469
Phone #: 915-821-0616

Date Sampled: 3/21/90
Date Received: 3/23/90
Sampled By: Client
Analyzed by: CJ Belt

Lab#: K39865 Sample I.D.: 032190-21

Sample ashed:	NO
Sample volume filtered (ml):	3.0
Number of grid squares counted:	20
Analytical sensitivity (MFL):	2.0

CHRYSOTILE FIBERS

Number of fibers counted:	2.0
Mean fiber conc.(MFL):	3.9
Upper 95% conf. limit (MFL):	9.6
Lower 95% conf. limit (MFL):	-1.7
Estimated mass (ug/l):	0.13

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	2.0
Mean fiber conc. (MFL):	3.9
Upper 95% conf. limit (MFL):	9.6
Lower 95% conf. limit (MFL):	-1.7
Estimated mass (ug/l):	0.13

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by

APPROVED
MAY 15 1990
QC OFFICER

San Jose + Kentucky

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Length Distribution

Lab#: K39865 Sample I.D.: 032190-21

Length Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 0.23	0	0	0
0.23 - 0.34	0	0	0
0.34 - 0.50	0	0	0
0.50 - 0.73	0	0	0
0.73 - 1.08	0	0	0
1.08 - 1.58	0	0	0
1.58 - 2.32	1	1	50
2.32 - 3.41	1	2	100
3.41 - 5.00	0	2	100
5.00 - 7.34	0	2	100
7.34 - 10.77	0	2	100
10.77 - 15.81	0	2	100
15.81 - 23.21	0	2	100
23.21 - 34.06	0	2	100
34.06 - 50.00	0	2	100
50.00 - 73.40	0	2	100
73.40 - 107.70	0	2	100
107.70 - 158.10	0	2	100
158.10 - 232.10	0	2	100
232.10 - 340.60	0	2	100
340.60 - inf.	0	2	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Width Distribution

Lab#: K39865 Sample I.D.: 032190-21

Width Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.000 - 0.023	0	0	0
0.023 - 0.034	0	0	0
0.034 - 0.050	0	0	0
0.050 - 0.073	0	0	0
0.073 - 0.110	1	1	50
0.110 - 0.160	1	2	100
0.160 - 0.230	0	2	100
0.230 - 0.340	0	2	100
0.340 - 0.500	0	2	100
0.500 - 0.730	0	2	100
0.730 - 1.080	0	2	100
1.080 - 1.580	0	2	100
1.580 - 2.320	0	2	100
2.320 - 3.410	0	2	100
3.410 - 5.000	0	2	100
5.000 - 7.340	0	2	100
7.340 - 10.770	0	2	100
10.770 - 15.810	0	2	100
15.810 - 23.210	0	2	100
23.210 - 34.060	0	2	100
34.060 - inf.	0	2	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Aspect Ratio Distribution

Lab#: K39865 Sample I.D.: 032190-21

Aspect Ratio Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 3.00	0	0	0
3.00 - 4.40	0	0	0
4.40 - 6.46	0	0	0
6.46 - 9.49	0	0	0
9.49 - 13.92	0	0	0
13.92 - 20.44	1	1	50
20.44 - 30.00	1	2	100
30.00 - 44.00	0	2	100
44.00 - 64.60	0	2	100
64.60 - 94.90	0	2	100
94.90 - 139.20	0	2	100
139.20 - 204.40	0	2	100
204.40 - 300.00	0	2	100
300.00 - 440.00	0	2	100
440.00 - 646.00	0	2	100
646.00 - 949.00	0	2	100
949.00 - 1392.00	0	2	100
1392.00 - 2044.00	0	2	100
2044.00 - 3000.00	0	2	100
3000.00 - 4403.00	0	2	100
4403.00 - inf.	0	2	100

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Report of Asbestos Analysis in water

El Paso Water Utilities
11700 Railroad Drive
El Paso, TX 79924
Attn: Robert Luna

Job#: 437.1450
PO#: 64412
Workorder#: W27681
Report#: R:7470
Phone #: 915-821-0616

Date Sampled: 3/21/90
Date Received: 3/23/90

Sampled By: Client
Analyzed by: CJ Belt

Lab#: K39866 Sample I.D.: 032190-22

Sample ashed:	NO
Sample volume filtered (ml):	10
Number of grid squares counted:	20
Analytical sensitivity (MFL):	0.59

CHRYSOTILE FIBERS

Number of fibers counted:	12
Mean fiber conc.(MFL):	7.1
Upper 95% conf. limit (MFL):	16
Lower 95% conf. limit (MFL):	-1.8
Estimated mass (ug/l):	0.90

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	7.0
Mean fiber conc. (MFL):	4.1
Upper 95% conf. limit (MFL):	12
Lower 95% conf. limit (MFL):	-3.3
Estimated mass (ug/l):	0.85

AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	12
Mean fiber conc. (MFL):	7.1
Upper 95% conf. limit (MFL):	16
Lower 95% conf. limit (MFL):	-1.8
Estimated mass (ug/l):	0.90

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by Carl G. Pope

Round Lake + England

APPROVED
MAY 15 1990
QC OFFICER

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Length Distribution

Lab#: K39866 Sample I.D.: 032190-22

Length Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 0.23	0	0	0
0.23 - 0.34	0	0	0
0.34 - 0.50	0	0	0
0.50 - 0.73	1	1	8
0.73 - 1.08	1	2	16
1.08 - 1.58	0	2	16
1.58 - 2.32	1	3	25
2.32 - 3.41	1	4	33
3.41 - 5.00	1	5	41
5.00 - 7.34	0	5	41
7.34 - 10.77	0	5	41
10.77 - 15.81	1	6	50
15.81 - 23.21	4	10	83
23.21 - 34.06	2	12	100
34.06 - 50.00	0	12	100
50.00 - 73.40	0	12	100
73.40 - 107.70	0	12	100
107.70 - 158.10	0	12	100
158.10 - 232.10	0	12	100
232.10 - 340.60	0	12	100
340.60 - inf.	0	12	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Width Distribution

Lab#: K39866 Sample I.D.: 032190-22

Width Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.000 - 0.023	0	0	0
0.023 - 0.034	0	0	0
0.034 - 0.050	0	0	0
0.050 - 0.073	3	3	25
0.073 - 0.110	8	11	91
0.110 - 0.160	1	12	100
0.160 - 0.230	0	12	100
0.230 - 0.340	0	12	100
0.340 - 0.500	0	12	100
0.500 - 0.730	0	12	100
0.730 - 1.080	0	12	100
1.080 - 1.580	0	12	100
1.580 - 2.320	0	12	100
2.320 - 3.410	0	12	100
3.410 - 5.000	0	12	100
5.000 - 7.340	0	12	100
7.340 - 10.770	0	12	100
10.770 - 15.810	0	12	100
15.810 - 23.210	0	12	100
23.210 - 34.060	0	12	100
34.060 - inf.	0	12	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Aspect Ratio Distribution

Lab#: K39866 Sample I.D.: 032190-22

Aspect Ratio Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 3.00	0	0	0
3.00 - 4.40	0	0	0
4.40 - 6.46	0	0	0
6.46 - 9.49	2	2	16
9.49 - 13.92	0	2	16
13.92 - 20.44	0	2	16
20.44 - 30.00	1	3	25
30.00 - 44.00	1	4	33
44.00 - 64.60	0	4	33
64.60 - 94.90	1	5	41
94.90 - 139.20	0	5	41
139.20 - 204.40	3	8	66
204.40 - 300.00	2	10	83
300.00 - 440.00	2	12	100
440.00 - 646.00	0	12	100
646.00 - 949.00	0	12	100
949.00 - 1392.00	0	12	100
1392.00 - 2044.00	0	12	100
2044.00 - 3000.00	0	12	100
3000.00 - 4403.00	0	12	100
4403.00 - inf.	0	12	100

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Report of Asbestos Analysis in water

El Paso Water Utilities
11700 Railroad Drive
El Paso, TX 79924
Attn: Robert Luna

Job#: 437.1450
PO#: 64412
Workorder#: W27681
Report#: R27466
Phone #: 915-821-0616

Date Sampled: 3/21/90
Date Received: 3/23/90

Sampled By: Client
Analyzed by: CJ Belt

Lab#: K39862 Sample I.D.: 032190-18

Sample ashed:	No
Sample volume filtered (ml):	10
Number of grid squares counted:	9.0
Analytical sensitivity (MFL):	1.3

CHRYSOTILE FIBERS

Number of fibers counted:	99
Mean fiber conc.(MFL):	130
Upper 95% conf. limit (MFL):	170
Lower 95% conf. limit (MFL):	88
Estimated mass (ug/l):	4.2

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	6.0
Mean fiber conc. (MFL):	7.9
Upper 95% conf. limit (MFL):	14
Lower 95% conf. limit (MFL):	1.5
Estimated mass (ug/l):	1.0

AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	99
Mean fiber conc. (MFL):	130
Upper 95% conf. limit (MFL):	170
Lower 95% conf. limit (MFL):	88
Estimated mass (ug/l):	4.2

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by

Rosewood ⅁
Missouri

APPROVED
MAY 15 1990
QC OFFICER

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Length Distribution

Lab#: K39862 Sample I.D.: 032190-18

Length Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 0.23	3	3	3
0.23 - 0.34	2	5	5
0.34 - 0.50	3	8	8
0.50 - 0.73	4	12	12
0.73 - 1.08	7	19	19
1.08 - 1.58	8	27	27
1.58 - 2.32	22	49	49
2.32 - 3.41	14	63	63
3.41 - 5.00	16	79	79
5.00 - 7.34	6	85	85
7.34 - 10.77	9	94	94
10.77 - 15.81	2	96	96
15.81 - 23.21	2	98	98
23.21 - 34.06	1	99	100
34.06 - 50.00	0	99	100
50.00 - 73.40	0	99	100
73.40 - 107.70	0	99	100
107.70 - 158.10	0	99	100
158.10 - 232.10	0	99	100
232.10 - 340.60	0	99	100
340.60 - inf.	0	99	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Width Distribution

Lab#: K39862 Sample I.D.: 032190-18

Width Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.000 - 0.023	0	0	0
0.023 - 0.034	3	3	3
0.034 - 0.050	0	3	3
0.050 - 0.073	65	68	68
0.073 - 0.110	24	92	92
0.110 - 0.160	4	96	96
0.160 - 0.230	3	99	100
0.230 - 0.340	0	99	100
0.340 - 0.500	0	99	100
0.500 - 0.730	0	99	100
0.730 - 1.080	0	99	100
1.080 - 1.580	0	99	100
1.580 - 2.320	0	99	100
2.320 - 3.410	0	99	100
3.410 - 5.000	0	99	100
5.000 - 7.340	0	99	100
7.340 - 10.770	0	99	100
10.770 - 15.810	0	99	100
15.810 - 23.210	0	99	100
23.210 - 34.060	0	99	100
34.060 - inf.	0	99	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Aspect Ratio Distribution

Lab#: K39862 Sample I.D.: 032190-18

Aspect Ratio Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 3.00	0	0	0
3.00 - 4.40	2	2	2
4.40 - 6.46	0	2	2
6.46 - 9.49	6	8	8
9.49 - 13.92	8	16	16
13.92 - 20.44	15	31	31
20.44 - 30.00	12	43	43
30.00 - 44.00	14	57	57
44.00 - 64.60	15	72	72
64.60 - 94.90	12	84	84
94.90 - 139.20	6	90	90
139.20 - 204.40	4	94	94
204.40 - 300.00	3	97	97
300.00 - 440.00	2	99	100
440.00 - 646.00	0	99	100
646.00 - 949.00	0	99	100
949.00 - 1392.00	0	99	100
1392.00 - 2044.00	0	99	100
2044.00 - 3000.00	0	99	100
3000.00 - 4403.00	0	99	100
4403.00 - inf.	0	99	100

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Report of Asbestos Analysis in water

El Paso Water Utilities
11700 Railroad Drive
El Paso, TX 79924
Attn: Robert Luna

Job#: 437.1450
PO#: 64412
Workorder#: W27682
Report#: R27473
Phone #: 915-821-0616

Date Sampled: 3/22/90
Date Received: 3/23/90

Sampled By: Client
Analyzed by: CJ Belt

Lab#: K39869 Sample I.D.: 032290-6

Sample ashed:	NO
Sample volume filtered (ml):	50
Number of grid squares counted:	20
Analytical sensitivity (MFL):	0.12

CHRYSOTILE FIBERS

Number of fibers counted:	0.0
Mean fiber conc.(MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by Carl J. Belt

APPROVED
MAY 15 1990
QC OFFICER

Blank

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(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Asbestos Analysis in water

El Paso Water Utilities
11700 Railroad Drive
El Paso, TX 79924
Attn: Robert Luna

Job#: 437.1450
PO#: 64412
Workorder#: W27682
Report#: R27472
Phone #: 915-821-0616

Date Sampled: 3/22/90
Date Received: 3/23/90
Sampled By: Client
Analyzed by: CJ Belt

Lab#: K39868 Sample I.D.: 032290-5

Sample ashed: NO
Sample volume filtered (ml): 50
Number of grid squares counted: 20
Analytical sensitivity (MFL): 0.12

CHRYSOTILE FIBERS

Number of fibers counted:	0.0
Mean fiber conc.(MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by Carole J. Lopez

APPROVED
MAY 15 1990
QC OFFICER

Northeast Plant

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555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Asbestos Analysis in water

El Paso Water Utilities		Job#:	437.1450
11700 Railroad Drive		PO#:	64412
El Paso, TX 79924		Workorder#:	W27682
Attn: Robert Luna		Report#:	R27471
		Phone #:	915-821-0616

Date Sampled:	3/22/90	Sampled By:	Client
Date Received:	3/23/90	Analyzed by:	CJ Belt

Lab#: K39867 Sample I.D.: 032290-23

Sample ashed:	NO
Sample volume filtered (ml):	50
Number of grid squares counted:	20
Analytical sensitivity (MFL):	0.12

CHRYSOTILE FIBERS

Number of fibers counted:	1.0
Mean fiber conc.(MFL):	0.12
Upper 95% conf. limit (MFL):	0.36
Lower 95% conf. limit (MFL):	-0.13
Estimated mass (ug/l):	0.012

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	1.0
Mean fiber conc. (MFL):	0.12
Upper 95% conf. limit (MFL):	0.36
Lower 95% conf. limit (MFL):	-0.13
Estimated mass (ug/l):	0.012

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by

APPROVED
MAY 15 1990
QC OFFICER

Franklin Canal

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Length Distribution

Lab#: K39867 Sample I.D.: 032290-23

Length Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 0.23	0	0	0
0.23 - 0.34	0	0	0
0.34 - 0.50	0	0	0
0.50 - 0.73	0	0	0
0.73 - 1.08	0	0	0
1.08 - 1.58	0	0	0
1.58 - 2.32	0	0	0
2.32 - 3.41	1	1	100
3.41 - 5.00	0	1	100
5.00 - 7.34	0	1	100
7.34 - 10.77	0	1	100
10.77 - 15.81	0	1	100
15.81 - 23.21	0	1	100
23.21 - 34.06	0	1	100
34.06 - 50.00	0	1	100
50.00 - 73.40	0	1	100
73.40 - 107.70	0	1	100
107.70 - 158.10	0	1	100
158.10 - 232.10	0	1	100
232.10 - 340.60	0	1	100
340.60 - inf.	0	1	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Width Distribution

Lab#: K39867 Sample I.D.: 032290-23

Width Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.000 - 0.023	0	0	0
0.023 - 0.034	0	0	0
0.034 - 0.050	0	0	0
0.050 - 0.073	0	0	0
0.073 - 0.110	0	0	0
0.110 - 0.160	1	1	100
0.160 - 0.230	0	1	100
0.230 - 0.340	0	1	100
0.340 - 0.500	0	1	100
0.500 - 0.730	0	1	100
0.730 - 1.080	0	1	100
1.080 - 1.580	0	1	100
1.580 - 2.320	0	1	100
2.320 - 3.410	0	1	100
3.410 - 5.000	0	1	100
5.000 - 7.340	0	1	100
7.340 - 10.770	0	1	100
10.770 - 15.810	0	1	100
15.810 - 23.210	0	1	100
23.210 - 34.060	0	1	100
34.060 - inf.	0	1	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Aspect Ratio Distribution

Lab#: K39867 Sample I.D.: 032290-23

Aspect Ratio Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 3.00	0	0	0
3.00 - 4.40	0	0	0
4.40 - 6.46	0	0	0
6.46 - 9.49	0	0	0
9.49 - 13.92	0	0	0
13.92 - 20.44	0	0	0
20.44 - 30.00	1	1	100
30.00 - 44.00	0	1	100
44.00 - 64.60	0	1	100
64.60 - 94.90	0	1	100
94.90 - 139.20	0	1	100
139.20 - 204.40	0	1	100
204.40 - 300.00	0	1	100
300.00 - 440.00	0	1	100
440.00 - 646.00	0	1	100
646.00 - 949.00	0	1	100
949.00 - 1392.00	0	1	100
1392.00 - 2044.00	0	1	100
2044.00 - 3000.00	0	1	100
3000.00 - 4403.00	0	1	100
4403.00 - inf.	0	1	100

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Report of Asbestos Analysis in water

El Paso Water Utilities		Job#:	437.1450
11700 Railroad Drive		PO#:	64412
El Paso, TX 79924		Workorder#:	W27681
Attn: Robert Luna		Report#:	R27467
		Phone #:	915-821-0616

Date Sampled:	3/21/90	Sampled By:	Client
Date Received:	3/23/90	Analyzed by:	CJ Belt

Lab#: K39863 Sample I.D.: 032190-19

Sample ashed:	NO
Sample volume filtered (ml):	5.0
Number of grid squares counted:	20
Analytical sensitivity (MFL):	1.2

CHRYSOTILE FIBERS

Number of fibers counted:	5.0
Mean fiber conc.(MFL):	5.9
Upper 95% conf. limit (MFL):	12
Lower 95% conf. limit (MFL):	-0.18
Estimated mass (ug/l):	0.37

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	1.0
Mean fiber conc. (MFL):	1.2
Upper 95% conf. limit (MFL):	3.6
Lower 95% conf. limit (MFL):	-1.3
Estimated mass (ug/l):	0.31

AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	5.0
Mean fiber conc. (MFL):	5.9
Upper 95% conf. limit (MFL):	12
Lower 95% conf. limit (MFL):	-0.18
Estimated mass (ug/l):	0.37

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by Charles Lee

Phoenix + Hunter

APPROVED
MAY 15 1990
QC OFFICER

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Length Distribution

Lab#: K39863 Sample I.D.: 032190-19

Length Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 0.23	1	1	20
0.23 - 0.34	0	1	20
0.34 - 0.50	0	1	20
0.50 - 0.73	0	1	20
0.73 - 1.08	0	1	20
1.08 - 1.58	0	1	20
1.58 - 2.32	1	2	40
2.32 - 3.41	1	3	60
3.41 - 5.00	0	3	60
5.00 - 7.34	1	4	80
7.34 - 10.77	0	4	80
10.77 - 15.81	0	4	80
15.81 - 23.21	1	5	100
23.21 - 34.06	0	5	100
34.06 - 50.00	0	5	100
50.00 - 73.40	0	5	100
73.40 - 107.70	0	5	100
107.70 - 158.10	0	5	100
158.10 - 232.10	0	5	100
232.10 - 340.60	0	5	100
340.60 - inf.	0	5	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Width Distribution

Lab#: K39863 Sample I.D.: 032190-19

Width Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.000 - 0.023	0	0	0
0.023 - 0.034	0	0	0
0.034 - 0.050	0	0	0
0.050 - 0.073	4	4	80
0.073 - 0.110	1	5	100
0.110 - 0.160	0	5	100
0.160 - 0.230	0	5	100
0.230 - 0.340	0	5	100
0.340 - 0.500	0	5	100
0.500 - 0.730	0	5	100
0.730 - 1.080	0	5	100
1.080 - 1.580	0	5	100
1.580 - 2.320	0	5	100
2.320 - 3.410	0	5	100
3.410 - 5.000	0	5	100
5.000 - 7.340	0	5	100
7.340 - 10.770	0	5	100
10.770 - 15.810	0	5	100
15.810 - 23.210	0	5	100
23.210 - 34.060	0	5	100
34.060 - inf.	0	5	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Aspect Ratio Distribution

Lab#: K39863 Sample I.D.: 032190-19

Aspect Ratio Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 3.00	0	0	0
3.00 - 4.40	1	1	20
4.40 - 6.46	0	1	20
6.46 - 9.49	0	1	20
9.49 - 13.92	0	1	20
13.92 - 20.44	0	1	20
20.44 - 30.00	1	2	40
30.00 - 44.00	1	3	60
44.00 - 64.60	0	3	60
64.60 - 94.90	0	3	60
94.90 - 139.20	1	4	80
139.20 - 204.40	0	4	80
204.40 - 300.00	1	5	100
300.00 - 440.00	0	5	100
440.00 - 646.00	0	5	100
646.00 - 949.00	0	5	100
949.00 - 1392.00	0	5	100
1392.00 - 2044.00	0	5	100
2044.00 - 3000.00	0	5	100
3000.00 - 4403.00	0	5	100
4403.00 - inf.	0	5	100

date/Lab No	del by	rec'd by	coll by	date collected	Company/Address	[illegible]	type (24° composite)	NE (All Normal Parameters)	[illegible]	other	Completed	Approval
032190-15	BD	PF	NE	032190	1 Recarb		24° Composite	All Normal Parameters				
16	"	"	"	"	2 Recarb							
032190-17	[illegible]	PF	Distribution System		wood reservoir discarded per instructions of Rotor A Luna							
18					EPWU / Rosewood & Missouri	Fire hydrant	grab			Asbestos montgomery		
19					EPWU / EPCC Valle Verde 919 Phoenix at Hunter	Fire hydrant	grab			Asbestos montgomery		
20					EPWU / Mesa & Kern	Fire hydrant	grab			Asbestos montgomery		
21					EPWU / San Jose & Kentucky	Fire hydrant	grab			Asbestos montgomery		
22					EPWU / Round Rock & Sugarloaf	Fire hydrant	grab			Asbestos montgomery		
23			IP		Price's Dairies / 600 W Paisano		grab	TSS, pH	BOD, COD		032990	[illegible]
24					Lane's Dairy / 310 N. Concepcion		grab					
25					Borden's Dairy / 6582 Alameda	Sand trap						
26					Farmer's Dairy / 7321 N. Loop	manhole						
032190-27	N.W.	N.W.	NE	032190	PPW		Grab			Gymnar 4 THM		
032290-1	[illegible]	N.W.	N.E.	032290	PPW		Grab	All micro Parameter				
-2					GAC							
-3					Ozone							
-4					Sand							
-5					PPW					montgomery Asbestos		
-6					PPW dup. 2 filtration					montgomery Asbestos		
-7	N.W.	N.W.	NE	032290	PPW for organic		Grab			THM Sample Lost		
032290-8	BD	PF	NE	032290	Raw		24° Composite	All Normal Parameters		Uranium Gymnar	APR 0 3 1990	[illegible]
9					Prim Effl							
10					Aer Infl							
11					1 Cl							
12					2 Cl							
13					Sand							
14					GAC							
15					PPW1							
16					PPW2							
17					react Clar Effl							
18					1 Recarb							
19					2 Recarb							
032290-20	PR	PR	NE	032290	Digester overflow		grab			Uranium Gymnar	APR 0 3 1990	PR
032290-21	PR	PR	NE	032290	Digester Drying bed		grab			Uranium Gymnar	APR 0 3 1990	PR

LABORATORY CHAIN-OF-CUSTODY RECORD

Sample Source (Client Identification)						Field Personnel (Signature)
Project Title				Field Project ID No.		Laboratory Project ID No.
Date	Time	Sample Number(s)	Sample Type	No. of Containers	Sampling Site	Remarks
032190		032190-18	grab	1	Rosewood & Missouri	Asbestos
"		-19	"	1	Phoenix & Hunter	"
"		-20	"	1	Mesa & Kern	"
"		-21	"	1	San Jose & Kentucky	"
"		-22	"	1	Round Rock & Sugarland	"
032290	"	032290-23	"	1	Franklin Canal	"
		032290-5	"	1	Western Skies & Pine	"
		032290-6	"	1	Western Skies & Pine	"

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	3-22-90	430									
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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Report of Asbestos Analysis in water

El Paso Utilities Pub. Service Board		Job#:	437.0961
320 S. Campbell St.		PO#:	63468/14023
P. O. Box 511		Workorder#:	W23370
El Paso, TX 79961		Report#:	R00857
Attn: John E. Balliew		Phone #:	915-533-9701

Date Sampled:	7/6/89	Sampled By:	Client
Date Received:	7/7/89	Analyzed by:	CJ Belt

Lab#: J75752 Sample I.D.: ROUNDROCK & SUGARLAND

Sample ashed:	NO
Sample volume filtered (ml):	50
Number of grid squares counted:	20
Analytical sensitivity (MFL):	0.1

CHRYSOTILE FIBERS

Number of fibers counted:	1.0
Mean fiber conc.(MFL):	0.10
Upper 95% conf. limit (MFL):	0.32
Lower 95% conf. limit (MFL):	-0.11
Estimated mass (ug/l):	0.002

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	1.0
Mean fiber conc. (MFL):	0.10
Upper 95% conf. limit (MFL):	0.32
Lower 95% conf. limit (MFL):	-0.11
Estimated mass (ug/l):	0.002

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by

APPROVED
AUG 22 1989
QC OFFICER

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Length Distribution

Lab#: J75752 Sample I.D.: ROUNDROCK & SUGARLAND

Length Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 0.23	0	0	0
0.23 - 0.34	0	0	0
0.34 - 0.50	0	0	0
0.50 - 0.73	0	0	0
0.73 - 1.08	0	0	0
1.08 - 1.58	0	0	0
1.58 - 2.32	0	0	0
2.32 - 3.41	0	0	0
3.41 - 5.00	1	1	100
5.00 - 7.34	0	1	100
7.34 - 10.77	0	1	100
10.77 - 15.81	0	1	100
15.81 - 23.21	0	1	100
23.21 - 34.06	0	1	100
34.06 - 50.00	0	1	100
50.00 - 73.40	0	1	100
73.40 - 107.70	0	1	100
107.70 - 158.10	0	1	100
158.10 - 232.10	0	1	100
232.10 - 340.60	0	1	100
340.60 - inf.	0	1	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Width Distribution

Lab#: J75752 Sample I.D.: ROUNDROCK & SUGARLAND

Width Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.000 - 0.023	0	0	0
0.023 - 0.034	0	0	0
0.034 - 0.050	0	0	0
0.050 - 0.073	1	1	100
0.073 - 0.110	0	1	100
0.110 - 0.160	0	1	100
0.160 - 0.230	0	1	100
0.230 - 0.340	0	1	100
0.340 - 0.500	0	1	100
0.500 - 0.730	0	1	100
0.730 - 1.080	0	1	100
1.080 - 1.580	0	1	100
1.580 - 2.320	0	1	100
2.320 - 3.410	0	1	100
3.410 - 5.000	0	1	100
5.000 - 7.340	0	1	100
7.340 - 10.770	0	1	100
10.770 - 15.810	0	1	100
15.810 - 23.210	0	1	100
23.210 - 34.060	0	1	100
34.060 - inf.	0	1	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Aspect Ratio Distribution

Lab#: J75752 Sample I.D.: ROUNDROCK & SUGARLAND

Aspect Ratio Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 3.00	0	0	0
3.00 - 4.40	0	0	0
4.40 - 6.46	0	0	0
6.46 - 9.49	0	0	0
9.49 - 13.92	0	0	0
13.92 - 20.44	0	0	0
20.44 - 30.00	0	0	0
30.00 - 44.00	0	0	0
44.00 - 64.60	1	1	100
64.60 - 94.90	0	1	100
94.90 - 139.20	0	1	100
139.20 - 204.40	0	1	100
204.40 - 300.00	0	1	100
300.00 - 440.00	0	1	100
440.00 - 646.00	0	1	100
646.00 - 949.00	0	1	100
949.00 - 1392.00	0	1	100
1392.00 - 2044.00	0	1	100
2044.00 - 3000.00	0	1	100
3000.00 - 4403.00	0	1	100
4403.00 - inf.	0	1	100

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Report of Asbestos Analysis in water

El Paso Utilities Pub. Service Board		Job#:	437.0961
320 S. Campbell St.		PO#:	63468/14023
P. O. Box 511		Workorder#:	W23370
El Paso, TX 79961		Report#:	R00855
Attn: John E. Balliew		Phone #:	915-533-9701

Date Sampled:	7/6/89	Sampled By:	Client
Date Received:	7/7/89	Analyzed by:	CJ Belt

Lab#: J75750 Sample I.D.: MESA & KERN

Sample ashed:	NO
Sample volume filtered (ml):	50
Number of grid squares counted:	20
Analytical sensitivity (MFL):	0.1

CHRYSOTILE FIBERS		CHRYSOTILE FIBERS > 10 MICRONS	
Number of fibers counted:	1.0	Number of fibers counted:	0.0
Mean fiber conc.(MFL):	0.10	Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.32	Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	-0.11	Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.002	Estimated mass (ug/l):	0.0

AMPHIBOLE FIBERS (*)		TOTAL FIBERS	
Number of fibers counted:	2.0	Number of fibers counted:	3.0
Mean fiber conc. (MFL):	0.21	Mean fiber conc. (MFL):	0.31
Upper 95% conf. limit (MFL):	0.64	Upper 95% conf. limit (MFL):	0.96
Lower 95% conf. limit (MFL):	-0.23	Lower 95% conf. limit (MFL):	-0.34
Estimated mass (ug/l):	0.019	Estimated mass (ug/l):	0.021

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by

APPROVED
AUG 22 1989
QC OFFICER

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Length Distribution

Lab#: J75750 Sample I.D.: MESA & KERN

Length Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 0.23	0	0	0
0.23 - 0.34	0	0	0
0.34 - 0.50	0	0	0
0.50 - 0.73	0	0	0
0.73 - 1.08	0	0	0
1.08 - 1.58	0	0	0
1.58 - 2.32	0	0	0
2.32 - 3.41	0	0	0
3.41 - 5.00	1	1	100
5.00 - 7.34	0	1	100
7.34 - 10.77	0	1	100
10.77 - 15.81	0	1	100
15.81 - 23.21	0	1	100
23.21 - 34.06	0	1	100
34.06 - 50.00	0	1	100
50.00 - 73.40	0	1	100
73.40 - 107.70	0	1	100
107.70 - 158.10	0	1	100
158.10 - 232.10	0	1	100
232.10 - 340.60	0	1	100
340.60 - inf.	0	1	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Width Distribution

Lab#: J75750 Sample I.D.: MESA & KERN

Width Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.000 - 0.023	0	0	0
0.023 - 0.034	0	0	0
0.034 - 0.050	0	0	0
0.050 - 0.073	1	1	100
0.073 - 0.110	0	1	100
0.110 - 0.160	0	1	100
0.160 - 0.230	0	1	100
0.230 - 0.340	0	1	100
0.340 - 0.500	0	1	100
0.500 - 0.730	0	1	100
0.730 - 1.080	0	1	100
1.080 - 1.580	0	1	100
1.580 - 2.320	0	1	100
2.320 - 3.410	0	1	100
3.410 - 5.000	0	1	100
5.000 - 7.340	0	1	100
7.340 - 10.770	0	1	100
10.770 - 15.810	0	1	100
15.810 - 23.210	0	1	100
23.210 - 34.060	0	1	100
34.060 - inf.	0	1	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Aspect Ratio Distribution

Lab#: J75750 Sample I.D.: MESA & KERN

Aspect Ratio Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 3.00	0	0	0
3.00 - 4.40	0	0	0
4.40 - 6.46	0	0	0
6.46 - 9.49	0	0	0
9.49 - 13.92	0	0	0
13.92 - 20.44	0	0	0
20.44 - 30.00	0	0	0
30.00 - 44.00	0	0	0
44.00 - 64.60	0	0	0
64.60 - 94.90	1	1	100
94.90 - 139.20	0	1	100
139.20 - 204.40	0	1	100
204.40 - 300.00	0	1	100
300.00 - 440.00	0	1	100
440.00 - 646.00	0	1	100
646.00 - 949.00	0	1	100
949.00 - 1392.00	0	1	100
1392.00 - 2044.00	0	1	100
2044.00 - 3000.00	0	1	100
3000.00 - 4403.00	0	1	100
4403.00 - inf.	0	1	100

Report of Asbestos Analysis
(continued)

Amphibole Fiber Length Distribution

Lab#: J75750 Sample I.D.: MESA & KERN

Length Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 0.23	0	0	0
0.23 - 0.34	0	0	0
0.34 - 0.50	0	0	0
0.50 - 0.73	0	0	0
0.73 - 1.08	0	0	0
1.08 - 1.58	0	0	0
1.58 - 2.32	0	0	0
2.32 - 3.41	0	0	0
3.41 - 5.00	0	0	0
5.00 - 7.34	2	2	100
7.34 - 10.77	0	2	100
10.77 - 15.81	0	2	100
15.81 - 23.21	0	2	100
23.21 - 34.06	0	2	100
34.06 - 50.00	0	2	100
50.00 - 73.40	0	2	100
73.40 - 107.70	0	2	100
107.70 - 158.10	0	2	100
158.10 - 232.10	0	2	100
232.10 - 340.60	0	2	100
340.60 - inf.	0	2	100

Report of Asbestos Analysis
(continued)

Amphibole Fiber Width Distribution

Lab#: J75750 Sample I.D.: MESA & KERN

Width Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.000 - 0.023	0	0	0
0.023 - 0.034	0	0	0
0.034 - 0.050	0	0	0
0.050 - 0.073	1	1	50
0.073 - 0.110	1	2	100
0.110 - 0.160	0	2	100
0.160 - 0.230	0	2	100
0.230 - 0.340	0	2	100
0.340 - 0.500	0	2	100
0.500 - 0.730	0	2	100
0.730 - 1.080	0	2	100
1.080 - 1.580	0	2	100
1.580 - 2.320	0	2	100
2.320 - 3.410	0	2	100
3.410 - 5.000	0	2	100
5.000 - 7.340	0	2	100
7.340 - 10.770	0	2	100
10.770 - 15.810	0	2	100
15.810 - 23.210	0	2	100
23.210 - 34.060	0	2	100
34.060 - inf.	0	2	100

Report of Asbestos Analysis
(continued)

Amphibole Fiber Aspect Ratio Distribution

Lab#: J75750 Sample I.D.: MESA & KERN

Aspect Ratio Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 3.00	0	0	0
3.00 - 4.40	0	0	0
4.40 - 6.46	0	0	0
6.46 - 9.49	0	0	0
9.49 - 13.92	0	0	0
13.92 - 20.44	0	0	0
20.44 - 30.00	0	0	0
30.00 - 44.00	0	0	0
44.00 - 64.60	1	1	50
64.60 - 94.90	0	1	50
94.90 - 139.20	1	2	100
139.20 - 204.40	0	2	100
204.40 - 300.00	0	2	100
300.00 - 440.00	0	2	100
440.00 - 646.00	0	2	100
646.00 - 949.00	0	2	100
949.00 - 1392.00	0	2	100
1392.00 - 2044.00	0	2	100
2044.00 - 3000.00	0	2	100
3000.00 - 4403.00	0	2	100
4403.00 - inf.	0	2	100

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Report of Asbestos Analysis in water

El Paso Utilities Pub. Service Board		Job#:	437.0961
320 S. Campbell St.		PO#:	63468/14023
P. O. Box 511		Workorder#:	W23370
El Paso, TX 79961		Report#:	R00860
Attn: John E. Balliew		Phone #:	915-533-9701

Date Sampled:	7/6/89	Sampled By:	Client
Date Received:	7/7/89	Analyzed by:	CJ Belt

Lab#: J75755 Sample I.D.: CANAL PLANT INFLUENT

Sample ashed:	YES
Sample volume filtered (ml):	2.5
Number of grid squares counted:	20
Analytical sensitivity (MFL):	2.1

CHRYSOTILE FIBERS

Number of fibers counted:	4.0
Mean fiber conc.(MFL):	8.3
Upper 95% conf. limit (MFL):	18
Lower 95% conf. limit (MFL):	-1.9
Estimated mass (ug/l):	0.19

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	4.0
Mean fiber conc. (MFL):	8.3
Upper 95% conf. limit (MFL):	18
Lower 95% conf. limit (MFL):	-1.9
Estimated mass (ug/l):	0.19

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by

APPROVED
AUG 22 1989
QC OFFICER

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Length Distribution

Lab#: J75755 Sample I.D.: CANAL PLANT INFLUENT

Length Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 0.23	0	0	0
0.23 - 0.34	0	0	0
0.34 - 0.50	2	2	50
0.50 - 0.73	0	2	50
0.73 - 1.08	0	2	50
1.08 - 1.58	1	3	75
1.58 - 2.32	1	4	100
2.32 - 3.41	0	4	100
3.41 - 5.00	0	4	100
5.00 - 7.34	0	4	100
7.34 - 10.77	0	4	100
10.77 - 15.81	0	4	100
15.81 - 23.21	0	4	100
23.21 - 34.06	0	4	100
34.06 - 50.00	0	4	100
50.00 - 73.40	0	4	100
73.40 - 107.70	0	4	100
107.70 - 158.10	0	4	100
158.10 - 232.10	0	4	100
232.10 - 340.60	0	4	100
340.60 - inf.	0	4	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Width Distribution

Lab#: J75755 Sample I.D.: CANAL PLANT INFLUENT

Width Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.000 - 0.023	0	0	0
0.023 - 0.034	0	0	0
0.034 - 0.050	0	0	0
0.050 - 0.073	1	1	25
0.073 - 0.110	0	1	25
0.110 - 0.160	2	3	75
0.160 - 0.230	1	4	100
0.230 - 0.340	0	4	100
0.340 - 0.500	0	4	100
0.500 - 0.730	0	4	100
0.730 - 1.080	0	4	100
1.080 - 1.580	0	4	100
1.580 - 2.320	0	4	100
2.320 - 3.410	0	4	100
3.410 - 5.000	0	4	100
5.000 - 7.340	0	4	100
7.340 - 10.770	0	4	100
10.770 - 15.810	0	4	100
15.810 - 23.210	0	4	100
23.210 - 34.060	0	4	100
34.060 - inf.	0	4	100

Report of Asbestos Analysis
(continued)

Chrysotile Fiber Aspect Ratio Distribution

Lab#: J75755 Sample I.D.: CANAL PLANT INFLUENT

Aspect Ratio Range	Number of Fibers Counted	Cummulative Number of Fibers counted	Cummulative Percent of Fibers Counted
0.00 - 3.00	1	1	25
3.00 - 4.40	0	1	25
4.40 - 6.46	0	1	25
6.46 - 9.49	1	2	50
9.49 - 13.92	1	3	75
13.92 - 20.44	1	4	100
20.44 - 30.00	0	4	100
30.00 - 44.00	0	4	100
44.00 - 64.60	0	4	100
64.60 - 94.90	0	4	100
94.90 - 139.20	0	4	100
139.20 - 204.40	0	4	100
204.40 - 300.00	0	4	100
300.00 - 440.00	0	4	100
440.00 - 646.00	0	4	100
646.00 - 949.00	0	4	100
949.00 - 1392.00	0	4	100
1392.00 - 2044.00	0	4	100
2044.00 - 3000.00	0	4	100
3000.00 - 4403.00	0	4	100
4403.00 - inf.	0	4	100

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Report of Asbestos Analysis in water

El Paso Utilities Pub. Service Board		Job#:	437.0961
320 S. Campbell St.		PO#:	63468/14023
P. O. Box 511		Workorder#:	W23370
El Paso, TX 79961		Report#:	R00856
Attn: John E. Balliew		Phone #:	915-533-9701

Date Sampled:	7/6/89	Sampled By:	Client
Date Received:	7/7/89	Analyzed by:	CJ Belt

Lab#: J75751 Sample I.D.: ROSEWOOD & MISSOURI

Sample ashed:	NO
Sample volume filtered (ml):	50
Number of grid squares counted:	20
Analytical sensitivity (MFL):	0.1

CHRYSOTILE FIBERS

Number of fibers counted:	0.0
Mean fiber conc.(MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by

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AUG 22 1989
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Report of Asbestos Analysis in water

El Paso Utilities Pub. Service Board		Job#:	437.0961
320 S. Campbell St.		PO#:	63468/14023
P. O. Box 511		Workorder#:	W23370
El Paso, TX 79961		Report#:	R00861
Attn: John E. Balliew		Phone #:	915-533-9701

Date Sampled:	7/6/89	Sampled By:	Client
Date Received:	7/7/89	Analyzed by:	CJ Belt

Lab#: J75756 Sample I.D.: WESTERN SKIES & PINE

Sample ashed:	NO
Sample volume filtered (ml):	50
Number of grid squares counted:	20
Analytical sensitivity (MFL):	0.1

CHRYSOTILE FIBERS		CHRYSOTILE FIBERS > 10 MICRONS	
Number of fibers counted:	0.0	Number of fibers counted:	0.0
Mean fiber conc.(MFL):	0.0	Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0	Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0	Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0	Estimated mass (ug/l):	0.0

AMPHIBOLE FIBERS (*)		TOTAL FIBERS	
Number of fibers counted:	0.0	Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0	Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0	Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0	Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0	Estimated mass (ug/l):	0.0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by Carole J. Leong

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Report of Asbestos Analysis in water

El Paso Utilities Pub. Service Board		Job#:	437.0961
320 S. Campbell St.		PO#:	63468/14023
P. O. Box 511		Workorder#:	W23370
El Paso, TX 79961		Report#:	R00859
Attn: John E. Balliew		Phone #:	915-533-9701

Date Sampled:	7/6/89	Sampled By:	Client
Date Received:	7/7/89	Analyzed by:	CJ Belt

Lab#: J75754 Sample I.D.: SAN JOSE & KENTUCKY

Sample ashed:	NO
Sample volume filtered (ml):	50
Number of grid squares counted:	20
Analytical sensitivity (MFL):	0.1

CHRYSOTILE FIBERS

Number of fibers counted:	0.0
Mean fiber conc.(MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

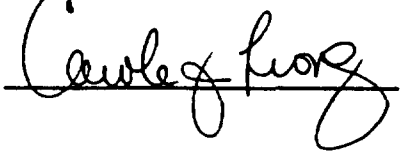
AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by 

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Report of Asbestos Analysis in water

El Paso Utilities Pub. Service Board		Job#:	437.0961
320 S. Campbell St.		PO#:	63468/14023
P. O. Box 511		Workorder#:	W23370
El Paso, TX 79961		Report#:	R00858
Attn: John E. Balliew		Phone #:	915-533-9701

Date Sampled:	7/6/89	Sampled By:	Client
Date Received:	7/7/89	Analyzed by:	CJ Belt

Lab#: J75753 Sample I.D.: ELPCC VALLEVERDE

Sample ashed:	NO
Sample volume filtered (ml):	50
Number of grid squares counted:	20
Analytical sensitivity (MFL):	0.1

CHRYSOTILE FIBERS

Number of fibers counted:	0.0
Mean fiber conc.(MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

CHRYSOTILE FIBERS > 10 MICRONS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

AMPHIBOLE FIBERS (*)

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

TOTAL FIBERS

Number of fibers counted:	0.0
Mean fiber conc. (MFL):	0.0
Upper 95% conf. limit (MFL):	0.0
Lower 95% conf. limit (MFL):	0.0
Estimated mass (ug/l):	0.0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by Carle J. Leong

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AUG 22 1989
QC OFFICER

LABORATORY CHAIN-OF-CUSTODY RECORD John E. Ballew

Sample Source (Client Identification)	E.L Paso Water Utilities	Field Personnel (Signature)	
Project Title	Asbestos	Field Project ID No.	Laboratory Project ID No.

Date	Time	Sample Number(s)	Sample Type	No. of Containers	Sampling Site	Remarks
7/6/89	—	070689-14	grab	1	Mesa & Kein	J 75750
7/6/89	—	070689-15	grab	1	Rosewood & Missouri	J 75751
7/6/89	—	070689-16	grab	1	Roundrock & Sugarland	J 75752
7/6/89	—	070689-17	grab	1	ERCC Valleverde	J 75753
7/6/89	—	070689-18	grab	1	San Jose & Kentucky	J 75754
7/6/89	—	070689-19	grab	1	Canal Plant Influent	J 75755
7/6/89	—	070689-20	grab	1	Western Skies & Pine	J 75756

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	070689	4:30	[illegible]	7/7/89	7:50						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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Report of Asbestos Analysis in water

El Paso Water Utilities
North East Place
P. O. Box 511
El Paso, TX 79961
Attn: John E. Balliew

Job#/PO#: 61372
Workorder#: W11555
Report#: R47332
Phone #: 915-821-0616

Date Sampled: 4/27/87
Date Received: 5/1/87

Sampled By: CLIENT
Analyzed by: Y.DEKAY

Lab number: H57332 Sample I.D. : MESA & KERN-4/28/87

Detection limit (MFL):	0.1	Total fibers (MFL):	ND
Ashed sample:	NO	Chrysotile Fibers	
Number of grid squares counted:	20	Number (MFL):	ND
		Mass (ug/l):	ND
Sample volume filtered (ml):	50	Chrysotile fibers > 10 microns	
Number of fibers counted		Number (MFL):	ND
		Mass (ug/l):	ND
Chrysotile > 10 microns:	ND		
Total Chrysotile:	ND	Amphibole Fibers (*)	
Amphibole:	ND		
Total Fibers:	ND	Number (MFL):	ND
		Mass (ug/l):	ND

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by Carole J. Perez

APPROVED
JUN 19 1987
QC OFFICER

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Report of Asbestos Analysis in water

El Paso Water Utilities
North East Place
P. O. Box 511
El Paso, TX 79961
Attn: John E. Balliew

Job#/PO#: 61372
Workorder#: W11555
Report#: R47329
Phone #: 915-821-0616

Date Sampled: 4/27/87
Date Received: 5/1/87

Sampled By: CLIENT
Analyzed by: CJ BELT

Lab number: H57329

Sample I.D. : SAN JUAN & KENTUCKY-4/28/87

Detection limit (MFL):	0.1	Total fibers (MFL):	ND
Ashed sample:	NO	Chrysotile Fibers	
Number of grid squares counted:	20	Number (MFL):	ND
		Mass (ug/l):	ND
Sample volume filtered (ml):	50	Chrysotile fibers > 10 microns	
Number of fibers counted		Number (MFL):	ND
		Mass (ug/l):	ND
Chrysotile > 10 microns:	ND		
Total Chrysotile:	ND	Amphibole Fibers (*)	
Amphibole:	ND		
Total Fibers:	ND	Number (MFL):	ND
		Mass (ug/l):	ND

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by Carole J. Leong

APPROVED
JUN 19 1987
QC OFFICER

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Report of Asbestos Analysis in water

El Paso Water Utilities
North East Place
P. O. Box 511
El Paso, TX 79961
Attn: John E. Balliew

Job#/PO#: 61372
Workorder#: W11555
Report#: R47328
Phone #: 915-821-0616

Date Sampled: 4/27/87
Date Received: 5/1/87

Sampled By: CLIENT
Analyzed by: Y.DEKAY

Lab number: H57328 Sample I.D. : ROSEWOOD & MISSOURI-4/27/87

Detection limit (MFL):	0.1	Total fibers (MFL):	ND
Ashed sample:	NO	Chrysotile Fibers	
Number of grid squares counted:	20	Number (MFL):	ND
		Mass (ug/l):	ND
Sample volume filtered (ml):	50	Chrysotile fibers > 10 microns	
Number of fibers counted		Number (MFL):	ND
		Mass (ug/l):	ND
Chrysotile > 10 microns:	ND		
Total Chrysotile:	ND	Amphibole Fibers (*)	
Amphibole:	ND		
Total Fibers:	ND	Number (MFL):	ND
		Mass (ug/l):	ND

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by Carla J. Leong

APPROVED
JUN 19 1987
QC OFFICER

MONTGOMERY LABORATORIES
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Report of Asbestos Analysis in water

El Paso Water Utilities
North East Place
P. O. Box 511
El Paso, TX 79961
Attn: John E. Balliew

Job#/PO#: 61372
Workorder#: W11555
Report#: R47331
Phone #: 915-821-0616

Date Sampled: 4/27/87
Date Received: 5/1/87

Sampled By: CLIENT
Analyzed by: CJ BELT

Lab number: H57331

Sample I.D. : ROUNDROCK & SUGARLAND-4/28/87

Detection limit (MFL):	0.1	Total fibers (MFL):	0.6
Ashed sample:	NO	Chrysotile Fibers	
Number of grid squares counted:	20	Number (MFL):	0.6
		Mass (ug/l):	0.005
Sample volume filtered (ml):	50	Chrysotile fibers > 10 microns	
Number of fibers counted		Number (MFL):	ND
		Mass (ug/l):	ND
Chrysotile > 10 microns:	ND		
Total Chrysotile:	5	Amphibole Fibers (*)	
Amphibole:	ND		
Total Fibers:	5	Number (MFL):	ND
		Mass (ug/l):	ND

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Report of Asbestos Analysis
(continued)

Lab number: H57331 Sample I.D. : ROUNDROCK & SUGARLAND-4/28/87

SIZE DISTRIBUTION
CHRYSOTILE

Fiber Length (Microns)

	0-0.49	0.5-0.99	1.0-1.49	1.5-1.99	2.0-2.49	2.5-UP
# of fibers -	0	5	0	0	0	0

Fiber Width (Microns)

	0-0.04	0.05-0.09	0.1-0.14	0.15-0.19	0.2-0.24	0.25-UP
# of fibers -	1	3	1	0	0	0

Aspect Ratio (L/W)

	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9	50 - UP
# of fibers -	2	3	0	0	0	0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by Carole J. Long

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(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Asbestos Analysis in water

El Paso Water Utilities
North East Place
P. O. Box 511
El Paso, TX 79961
Attn: John E. Balliew

Job#/PO#: 61372
Workorder#: W11555
Report#: R47330
Phone #: 915-821-0616

Date Sampled: 4/27/87
Date Received: 5/1/87

Sampled By: CLIENT
Analyzed by: CJ BELT

Lab number: H57330 Sample I.D. : NE PLANT-4/28/87

Detection limit (MFL):	0.1	Total fibers (MFL):	0.3
Ashed sample:	NO	Chrysotile Fibers	
Number of grid squares counted:	20	Number (MFL):	0.3
		Mass (ug/l):	0.002
Sample volume filtered (ml):	50	Chrysotile fibers > 10 microns	
Number of fibers counted		Number (MFL):	ND
		Mass (ug/l):	ND
Chrysotile > 10 microns:	ND		
Total Chrysotile:	3	Amphibole Fibers (*)	
Amphibole:	ND		
Total Fibers:	3	Number (MFL):	ND
		Mass (ug/l):	ND

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Report of Asbestos Analysis
(continued)

Lab number: H57330 Sample I.D. : NE PLANT-4/28/87

SIZE DISTRIBUTION
CHRYSOTILE

Fiber Length (Microns)

	0-0.49	0.5-0.99	1.0-1.49	1.5-1.99	2.0-2.49	2.5-UP
# of fibers -	1	1	1	0	0	0

Fiber Width (Microns)

	0-0.04	0.05-0.09	0.1-0.14	0.15-0.19	0.2-0.24	0.25-UP
# of fibers -	0	3	0	0	0	0

Aspect Ratio (L/W)

	0-9.9	10-19.9	20-29.9	30-39.9	40-49.9	50 - UP
# of fibers -	1	2	0	0	0	0

(*) Probable amphibole
MFL: Million Fibers per Liter
ND : Not detected
NA : Not analyzed

Approved by Carole J. Lang

APPROVED
JUN 19 1987
QC OFFICER

JUN. 20. 01 15:37 6598 A

SCOTT, HULSE, MARSHALL, FEUILLE, FINGER & THURMOND, P.C.

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(1905-1989)

PLEASE ADDRESS FIRM
ATTN: WRITER

WRITER'S DIRECT
TELEPHONE
(915) 546-8201

E-MAIL
jall@scotthulse.com

June 21, 2001

Stephanie A. Finch
Baron & Budd
3102 Oaklawn Avenue, Suite 1100
Dallas, Texas 75219-4281

VIA CERTIFIED MAIL

Re: *In Re: All Asbestos-Related Personal Injury or Death Cases filed in El Paso County, Texas*, County Court at Law Number 3, Cause No. 96-333

Dear Ms. Finch:

In response to your June 19, 2001 letter I have enclosed copies of the business records of the El Paso Water Utilities and the Affidavit of John E. Balliew.

Sincerely,

Jeffrey S. Alley

Jeffrey S. Alley
For the Firm

enclosure

582536.1

AFFIDAVIT

BEFORE ME, the undersigned authority, on this day personally appeared, **John E. Balliew**, who, being by me duly sworn, deposed as follows:

"My name is **John E. Balliew**. I am over eighteen (18) years of age, of sound mind, capable of making this Affidavit, and personally acquainted with the facts herein stated.

I am the custodian of records of **El Paso Water Utilities**, and, as such, I am the custodian of records attached to this Affidavit. The records attached to this Affidavit, consisting of __166__ pages, are kept by me in the regular course of business, and it was the regular course of business for an employee or representative of **El Paso Water Utilities**, with knowledge of the act, event, condition, opinion, or information recorded, to make the records or transmit information thereof to be included in such records, and the records were made at or near the time of the occurrence or reasonable soon thereafter.

The records attached hereto are the originals or exact duplicates of the originals."

AFFIANT, John E. Balliew

SUBSCRIBED AND SWORN TO BEFORE ME, on this the 11th day of May, 2001.

THERESE A. DONAWELL
Notary Public, State of Texas
My Commission Expires 01-21-2005

Therese A. Donawell
Notary Public in and for the State of Texas