

**VOLUME 2** 

Appendices B.5 through B.7, C, D, E, F

## **REMEDIAL ACTION FINAL ENGINEERING REPORT**

COLUMBUS MCKINNON CORPORATION TONAWANDA, NEW YORK

**AUGUST 1995** 

RECEIVED Star & 1905 ENVIRONMENT LOOP

#### MALCOLM PIRNIE, INC.

S-3515 Abbott Road P. O. Box 1938 Buffalo, New York 14219



### **APPENDIX B5**

## WATER TREATMENT SYSTEM

#### -GENT BY: ACTS TESTING LABS, INC: 10-21-94 ; 4:45PM ;

ACTS-BUF→

716 743 8083;# 1/ 2



ACTS TESTING LADS, INC. 25 Anderson Road Buffalo, NY 14225-4928 Tel (716)897-3300 Fax (716)897-0876

Technical Report 4B-5569E Project Name: Columbus McKinnon Project # 1332-01-4

October 21, 1994 Page 1 of 2

Mr. Michael Evanko OHM CORPORATION

#### SUBJECT:

Analyses of four (4) water samples for PCBs. The samples were received on October 21, 1994.

**RESULTS:** 

On Page Two

#### EXPERIMENTAL:

Polychlorinated Biphenyls in water were determined according to United States Environmental Protection Agency Method 608: Organochlorine Pesticides and PCBs.

ACTS TESTING LABS, INC

Charles E. Hartke Manager, Chemistry Laboratory

ACTS TESTING LABS, INC.

Elizabeth R. Hausler, Supervisor Gas Chromatography Laboratory

ACTS TESTING LABS, INC.

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Lisa M. Clerici, Supervisor Wet Chemistry Laboratory

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Our reports and laters are for the analysis use of the claris is whose which they are addressed. Communication of ACTS Testing I also, incl. reports and laters in any others and/or use of the name of ACTR feeling Late, incl. requires our prior writem systeme). Our laters and indexes and indexesting and procedures identified in them and (2) is the subple(s) tested. Tout results are not results are not reported by (3) to standards and procedures identified in them and (2) is the subple(s) tested. Tout results are not results are indicatively (3) to standards and procedures identified in them and (2) is the subple(s) tested. Tout results are indicatively (3) to standards and procedures identified in them and (2) is the subple(s) tested. Tout results are not results are not results are indicatively of the claim to insure in apprentity circles. Unloss otherwise stated, it is the responsibility of the claim to insure in apprentity circles.

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October 21, 1994 Technical Report #4B-5569E Page 2 of 2

	<u>RESULTS:</u>	ACTS #4B-5569E WATER TREATMENT	ACTS #4B-5570E SAND FILTER	ACTS #4B-5571E BAG FILTER
	EPA 8080 (PCBs only)	INFLUENT 001	EFFLUENT 002	EFFLUENT 003
	Polychlorinated Biphenyl	5 as		
	Arochior 1016	LT 0.25	LT 0.25	LT 0.25
	Arochlor 1221	LT 0.25	LT 0.25	LT 0.25
	Arochior 1232	J.T 0.25	LT 0.25	LT 0.25
	Arochior 1242	<sup>1</sup> LT 0.25	LT 0.25	LT 0.25
-	Arochlor 1248	LT 0.25	LT 0.25	LT 0.25
	Arochlor 1254	LT 0.25	LT 0.25	LT 0.25
	Arochlor 1260	LT 0.25	LT 0.25	LT 0.25

Above results are reported as micrograms per liter (ug/L).

ACTS #4B-5572E WATER TREATMENT EFFLUENT 004 Arochior 1016 LT 62.5 Arochlor 1221 I.T 62.5 Arochlor 1232 LT 62.5 Arochlor 1242 LT 62.5 LT 62.5 Arochlor 1248 Arochior 1254 LT 62.5 Arochior 1260 LT 62.5

LT=Less Than

The results are reported as nanograms per liter or parts per trillion.

1/20/94 MPI samples taken 1800± hours

# MALCOLM PIRNIE, INC.

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00.	4		1807		1	Water tr	eatrit effluen: 004	ť	Z					Analyze I Taryet DL	1 sample for PC detection leve detection leve detection leve sample for PCB of G5 PPT	's
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NOV. 2 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

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Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 10/26/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- **Should you have any questions please** contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger  $\cup$ Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



### CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04045

#### PCB ANALYSIS

MPI soil samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All soil samples were extracted using the sonication method 3550 and cleaned up using the acid and sulfur cleanup techniques. MPI Influent and Effluent water samples were also analyzed for PCBs using method 8080. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within QC limits for all samples.

The PCB matrix spike/matrix spike duplicate recoveries from Run QC is included. The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

Sample R94/04045-004 was analyzed at 1/10 dilutions to bring PCB 1254 within the calibration range of the method.

No other analytical or QC problems were encountered with this analysis.

-	General	>		A F	ull Servi	ice Env	ironme	ntal Lał	poratory
	Testing V				LAI	BORAT		EPORT	
-	Corporat	ΙΟΠ	J	ob No:	Date: N	ov. 2	1994		
	Client: Mr. Ken Kota				_	e(s) Ref			
	Malcolm Pirni€ So. 3515 Abbot Buffalo, NY 14	t Road			Colu	imbus Mc	Kinnon		
	Received	:	10/25/9	4		P.O. #	:		
	ANALYSIS * BY EF	PA METHO	D 8080	AN	ALYTICAI	L RESULT	'S - ug/	1	
-		-007  TREATMENT  INFLUENT	-008  TREATMENT  EFFLUENT	-009  LAB  BLANK			 		
-	Date Collected:	10/25/94	•	 	1 1	   	   	   	
-		•	10/25/94   10/25/94   1	10/25/94  10/25/94  1  1		     	     	   . 	     
-	PCB 1016	   0.50 U 	   0.060 U 	   0.060 U 		   	   	   	 
-	PCB 1221	0.50 U 	0.060 U	0.060 U			• 1 1	, 	'   
	PCB 1232	0.50 U	0.060 U	0.060 U			,   		
-	PC8 1242	0.50 U 	0.060 U	0.060 U					
	PCB 1248	0.50 U 	0.060 U 	0.060 U 	 				
	PCB 1254	0.50 U 	0.060 U 	0.060 U 		 	 		
-	PCB 1260	0.50 U 	0.060 U	0.060 U			 		
	Surrogate Standard Recovery	 	1   	1			}   		
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   101 	   63 	   62 	€     		   		1   

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

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Laboratory Director



# LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc. Job No: R94/04032 Date: 10 NOV., 1994

-	   	ICE CHECK	   +
EPA METHOD 8080	TRUE	x RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 10/26/94 Date Analyzed: 10/26/94	   		     
PCB 1254	2000	120   	8 - 127
-			
	1     		1     

Laboratory Director



## LABORATORY REPORT

3A - PCB'S MATRIX	SPIKE/MATRIX SPIKE DUPLICATE RECOVERY	
Lab Name: General	Testing Corp. Contract:	
Lab Code:	Case No.: SAS No.: SDG No.:	<del></del>
Matrix Spike - EPA	Sample No. : R94/04032 -006	

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1260	2200	0	2600	118	8-127

٦	COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC 1 RPD	LIMITS REC.
1	PCB 1260	2200	2600	118	0	30	8-127
1							

- # Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

PD:	0	out	of	1	outside	limits	
<b>∵ike</b>	Recove	ry:	_0	out of	2	outside	limits

**OMMENTS:** 

page 1 of 1

FORM III VOA-1 NYSDEC B-85

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# MALCOLM PIRNIE, INC.

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003		1228			L-46 5-1 EL88.7 069								-
104		14:00			L-47 5-1 EL. 567.8 070								
005		1232			2-48 57 EL 566:7 071								
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007	19/25/	0910		1	Water Treatment Influent 005 Water Treatment Effluent		•	2					Analyze I sample For PCB's standard detection level
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NOV. 2 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

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Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger U Customer Service Representative

Enc.



Effective 10/1/91

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- M Duplication injection precision not met (GFA only).
  - S Reported value determined by Method of Standard Additions. (MSA)
  - X As specified in the case narrative.



#### CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04069

#### PCB ANALYSIS

MPI soil samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All soil samples were extracted using the sonication method 3550 and cleaned up using the acid and sulfur cleanup techniques. MPI Influent and Effluent water samples were also analyzed for PCBs using method 8080. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within QC limits for all samples.

The PCB matrix spike/matrix spike duplicate recoveries from Run QC is included. The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

Samples R94/04069-005 and 006 were analyzed at 1/10 dilutions to bring PCB 1254 within the calibration range of the method.

No other analytical or QC problems were encountered with this analysis.

	General	>		AF	Full Serv	vice Env	/ironme	ntal La	aboratory
	Testing V Corporat	<b>V</b>			LA	BORAT		EPOR	т
	Corporal		Ċ	Job No:	R94/0400	59	Date: N	ov. 2	1994
	Client: Mr. Ken Kota				Sample	e(s) Rei	ference		
	Malcolm Pirnie So. 3515 Abbo Buffalo, NY 14	tt Road			Colu	umbus Mo	CKinnon		
	Received	:	10/26/9	4		P.O. \$	#:		
-	ANALYSIS * BY E	PA METHO	OD 8080	A	NALYTICAI	L RESULT	rs – ug/	1	
	Sample: Location:	-001  INFLUENT  007	-002  EFFLUENT  008	-010  LAB METH  BLANK	1	 	1	1	
	Date Collected: Time Collected:	•	10/26/94  08:14	•		   	   	   	
		10/26/94  10/27/94  1	10/26/94  10/27/94  1	•	     	*   		     	
-	PCB 1016	   0.50 U	   0.060 U	   0.060 U		 	1		1
	PCB 1221	0.50 U	   0.060 U	   0.060 U		   			
	PCB 1232	   0.50 U	   0.060 U	   0.060 U		   			
-	PCB 1242	0.50 U	0.060 U	0.060 U		   	   		1
	PCB 1248	0.50 U	0.060 U	0.060 U	I I	1 } 			
	PCB 1254	0.50 U	0.060 U	0.060 U		 	l l		
	PCB 1260	0.50 U	0.060 U	0.060 U		† 			Í
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

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NY ID# in Rochester: 10145

Tetrachloro-meta-xylene

(Acceptance Limits: 60-150%)

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NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Tilician F.

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Laboratory Director

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LABORATORY REPORT

3A - PCB'S MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY
Lab Name: General Testing Corp. Contract: \_\_\_\_\_\_
Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_\_
Matrix Spike - EPA Sample No. : R94/03951 -001

	COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/1)	MS CONCENT. (ug/1) ===========	MS % REC # =======	QC LIMITS REC.
•	PCB 1248	2.0	0	2.5	125	38-158

-	COMPOUND	SPIKE ADDED (ug/l)	MSD CONCENT. (ug/l)	MSD % REC #	% RPD # ======		LIMITS REC.
	PCB 1248	2.0	2.4	120	4	30	38-158

# Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

mPD:\_\_\_0 \_\_\_ out of \_\_\_1 \_\_\_ outside limits
Spike Recovery:\_\_0 \_\_\_ out of \_\_\_2 \_\_\_ outside limits

OMMENTS:

page 1 of 1



LABORATORY REPORT

-	3A - PCB'S MATRIX	SPIKE/MATRIX	SPIKE DUPLICATE	RECOVERY	
_	Lab Name: General	Testing Corp.	Contract:	<u> </u>	
-	Lab Code:	Case No.:	SAS No.	.:	SDG No.:
	Matrix Spike - EP.	A Sample No. :	R94/04032 -006		

-	COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC # ========	QC LIMITS REC.
-	PCB 1260	2200	0	2600	118	8-127

-

-	COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD # ======	QC I RPD	LIMITS REC.
ţ	PCB 1260	2200	2600	118	0	30	8-127
-							

# Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

mRPD:\_\_\_0\_\_\_ out of \_\_\_1\_\_\_ outside limits
Spike Recovery:\_\_0\_\_\_ out of \_\_\_2\_\_\_ outside limits

\_\_\_\_COMMENTS:

\_\_page 1 of 1



# LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Ind So. 3515 Abbott Roa Buffalo, NY 14219				R94/04032 4 NOV., 1994
-	         REFERE	NCE CHECK	     	
EPA METHOD 8080	TRUE    VALUE	X RECOVERY	ACCEPTANCI LIMITS (%	
Date Extracted: 10/26/94 Date Analyzed: 10/26/94	       		       	
PCB 1260	    2000    	   120     	    8 - 127    	
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Laboratory Director

# MALCOLM PIRNIE, INC.

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	STATION NO.	DATE	TIME	COMP.	GRAB	STATION L			14	740			/		[	
اه،		10/26			×	Water Treat. In Fluent	<i>oc</i> 7	2	2						Analyze1+ standard del	er PCB's rection level
600		426	°8 <sub>14</sub>		×	Water Treat. Effluent	nent 008		2						Analyze 15 Target DL	ample for PCB's of 65 PPT
ູວົ		1/25	1210		X	L-50 n. 572.0	51 073 51			z					-	PLES METHON FUSO
004			1212		X	L-51 EL, 568.6	54 674 5-1			z						
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, wit			1222		K	2-51 EL. 572.7	077			Z						
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NOV. 10 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 10/28/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
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\_ Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

anick

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
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- M Duplication injection precision not met (GFA only).
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- X As specified in the case narrative.



#### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04098

### PCB ANALYSIS

MPI soil samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All soil samples were extracted using the sonication method 3550 and cleaned up using the acid and sulfur cleanup techniques. MPI Influent and Effluent water samples were also analyzed for PCBs using method 8080. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within QC limits for all samples.

The PCB Matrix Spike/Matrix Spike Duplicate recoveries for PCB 1260 on sample R94/04030-001(L-12) and the Precision data from the MS/MSD were all within QC advisory limits. The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

Sample R94/04098-003 was analyzed at 1/10 dilution to bring PCB 1254 within the calibration range of the method.

No other analytical or QC problems were encountered with this analysis.

<b></b> '	General W	>		A F	ull Servi	ice Env	ironme	ntal Lat	ooratory			
	Testing V Corporat	<b>i</b> on			LA	BORAT		EPORT				
	Corporal		c	Job No:	R94/0409	OV. 10	1994					
	Client: Mr. Ken Kota			Sample(s) Reference								
-	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road		Columbus McKinnon								
	Received	:	10/27/9	/27/94 P.O. #:								
-	ANALYSIS * BY EF	A METHO	D 8080	AN	IALYTICAI	. RESULI	S – ug/	1				
	Sample: Location:	-004	-005 EFFLUENT	-006  LAB				1				
		  10/27/94  08:45	  10/27/94  08:45	BLANK   			‡ † [	 				
		•	10/27/94  10/29/94  1 	10/27/94  10/27/94  1	1     		       		     			
	PCB 1016	1   0.50 U 	   0.060 U 	0.060 U		   	!   	1	 			
-	PCB 1221	0.50 U	0.060 U	0.060 U			1					
	PC8 1232 PC8 1242	0.50 U     0.50 U	0.060 U     0.060 U	0.060 U     0.060 U			   	   	   			
	PCB 1248	   0.50 U	   0.060 U	0.060 U				1 1	1			
-	PCB 1254	   0.50 U 	0.060 U	   0.060 U 			   	   	}   			
	PC8 1260	0.50 U	0.060 U	0.060 U			 		 			
	Surrogate Standard Recovery	 	 				 	 	   			
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   109 	   75 	   71 		i   	   	   	   			

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. C

Laboratory Director



LABORATORY REPORT

3A - PCB'S MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: \_\_\_\_\_\_
 Lab Code: \_\_\_\_\_\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: \_\_\_\_\_
 Matrix Spike - EPA Sample No. : R94/04030 -001

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1242 PCB 1248 PCB 1254 PCB 1260	3800	0 0 0 0 0 7600 0	6500 4700	 124	50-114 15-178 10-215 39-150 38-158 29-131 8-127

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	* RPD #	QC I RPD	LIMITS REC.
PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1260	3800	0 0 0 0 5800 4200	110	11 11	30 30 30 30 30 30 30	50-114 15-178 10-215 39-150 38-158 29-131 2-127

# Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

1 'D:	0	out	of	2	outside	limits	
<b>mpike</b>	Recov	ery:	_0	out of	2	outside	limits

()MMENTS:

mage 1 of 1

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# LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, I So. 3515 Abbott R Buffalo, NY 14219	load				b No: Date:		4/0403 NOV.,	
		REFERENCE	CHECK	    				
EPA METHOD 8080	II VAL	UE   UE	X RECOVERY	    	ACCEP		·····	
Date Extracted: 10/24/94 Date Analyzed: 10/25/94	       							
PCB 1260	    200             	0             	105		8 -	127		

Laboratory Director

# MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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	PROJECT		<b>.</b> .			SITE NAME:	Mckumais Ton Fre				5 /S	./			
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	SAMPLER	<b>\$</b> (\$)G	NATUR	ie):	14					الكريم	5 7	* /	' /	' · /	REMARKS
	<u></u> /.	enr	eth	K	ole			CON- TAINERS	/ / 0	٩	\$¢1/				nemanna
	STATION NO.	DATE	TIME	COMP.	GRAB	STAT	ION LOCATION		1	<u> </u>	Contraction of the second			[	/
ادت		10/26	1657		X	1-56 EL.568.4	5-1 1 079	Z	2						ANALYZE FOR R.B'S MERLON &O SO
۲ט		10/24	65 8		X	2-57 EL. 566.	0 080	2	z						
,00 <sup>3</sup>		10/24	1615		X	PUS -1 BMS 1244	081 + 1245	2	2						1
604		10/27	0845		X		+1245 eatment InFluent 009	17		2					Analyze I sumple for PCB's stundard detection level
, ou 5		19/27	08 <sub>95</sub> -		×	Water Tri	eatment Effluent 010	2		2					Analyze I sumple for PCB's stundard detection level Analyze I sample for PCB's Turget DL of 65 PPT
															,
															,
	RELINO	SHED	BY ISI	GNATU		DATE / TIME:	RECEIVED BY (SIGNATU	REH-	RELI	NQUIS	SHED	BY (SI	GNAT	URE)	): DATE/TIME. RECEIVED BY (SIGNATURE):
	RELINGUI	me	th l	Koli	19	27440928	Cichlorned	N	í,	·h	loc	Ň	on		4/37/94 1030
	RELINQU					DATE / TIME	RECEIVED BY (SIGNATU	RE):	RELI	NQUIS	HED	BY (SI	GNAT	URE)	): DATE/TIME. RECEIVED BY (SIGNATURE):
	RELINQUI	SHED	BY (SIC	GNATUF		DATE/TIME:	RECEIVED FOR LABORAT	TORY BY			TIME		ARKS	S:	
				Distribut	Internation		ument, cupy to coordinator field		1.10	<u>a</u> 1	11017	4			



NOV. 15 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 10/31,11/01/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



### CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04128

### PCB ANALYSIS

MPI soil samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All soil samples were extracted using the sonication method 3550 and cleaned up using the acid and sulfur cleanup techniques. MPI Influent and Effluent water samples were also analyzed for PCBs using method 8080. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within QC limits for all samples except R94/4128-019 and the recovery has been flagged with an "\*".

The PCB matrix spike/matrix spike duplicate recoveries from Run QC is included. The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

***	General W	>	A Full Service Environmental Laboratory											
	Testing V Corporat	vion	LABORATORY REPORT											
_	Corporat		J	ob No:	R94/0412	8	Date: N	OV. 15	1994					
1000	Client: Mr. Ken Kota		Sample(s) Reference											
	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	imbus Mo	Kinnon							
	Received	:	: 10/28/94 P.O. #:											
	ANALYSIS * BY EF	PA METHO	D 8080	AA	ALYTICAL	, RESULI	'S - ug/	1						
	•	-018  INFLUENT	-019  EFFLUENT				1	1						
		  10/28/94  08:45	  10/28/94  08:45				   	   						
	Date Analyzed:	•	10/27/94  10/31/94  1 				     	= == = = = = = = = = = = = = = = = = =						
-	PCB 1016	0.50 U	   0.060 U				   	   						
	PCB 1221	0.50 U	0.060 U				   							
-	PCB 1232	0.50 U	0.060 U				   	• • •						
	PCB 1242	0.50 U	0.060 U	1   			   							
	PCB 1248	0.50 U	0.060 U	1										
	PCB 1254	0.50 U	0.060 U				1   		1					
	PCB 1260	0.50 U	,   0.060 U 											
	Surrogate Standard Recovery						 							
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	84	   49 <del>*</del> 	1				1 1 1						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

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NY ID# in Hackensack: 10801

Muchael F.

Laboratory Director

General			A Full Service Environmental Laboratory											
	tion		LABORATORY REPORT											
Corpora	lion		Job No:	R94/0412	28	Date: N	OV. 15	1994						
Client: Mr. Ken Kota	o Tho		Sample(s) Reference											
So. 3515 Abbo	tt Road		Columbus McKinnon											
Received	:	10/28/	94		P.O. #	:								
ANALYSIS * BY E	PA METH	OD 8080	80 ANALYTICAL RESULTS - ug/kg Dry Wt.											
Sample:		-021	1	I	1	I	!	1						
Location:		LAB  BLANK		1		 	1	1						
Date Collected: Time Collected:		_	Ì	1	 	1	 							
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Dilution:		1			1									
		1	1		1									
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	11	İ		1	 	1		1						
	ii –	250 0	1	1	l {	1 1	1							
PCB 1232	250 	250 U		1	8	1	1	1						
PCB 1242	250	1250 U		I	 1	1	1							
PCB 1248	    250	  250 U	l	ł		1 1	1							
PCB 1254	    250	  250 U		 	<b>i</b>	↓ ↓	 							
PCB 1260	    250	  250 u	1	. [	1	l I	1	1						
	ii .			ļ		,   ,								
Surrogate Standard Recovery	11					l İ	 	1						
	••	107   		   	     	     	     	   !						
	Client: Mr. Ken Kota Malcolm Pirni So. 3515 Abbo Buffalo, NY 1 Received ANALYSIS * BY E Sample: Location: Date Collected: Time Collected: Date Extracted: Date Extracted: Date Analyzed: Dilution: PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1242 PCB 1248 PCB 1254 PCB 1254 PCB 1260 Surrogate Standard Recovery Tetrachloro-meta-xylene (Acceptance Limits: 60-1503)	Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219 Received : ANALYSIS * BY EPA METH Sample: Location: Date Collected: Time Collected: Date Extracted: Date Analyzed: Dilution: PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1250 PCB 1254 PCB 1254 PCB 1254 PCB 1250 II PCB 1254 II PCB 1250 II PCB 1254 II PCB 1250 II PCB 1254 II PCB 1250 II PCB 1254 II PCB 1250 II PCB 1250 II PCB 1254 II PCB 1250 II PCB 1254 II PCB 1250 II PCB 1250 II PCB 1254 II PCB 1250 II PCB 1250	Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219 Received : 10/28/ ANALYSIS * BY EPA METHOD 8080 Sample:   -021 Location:  LAB BLAMK Date Collected:    PQL   Date Extracted:     10/28/94 Date Analyzed:     10/28/94 Date Analyzed:     10/28/94 Date Analyzed:     10/31/94 Dilution:        1 PCB 1016    250  250 U          PCB 1232    250  250 U          PCB 1232    250  250 U          PCB 1242    250  250 U          PCB 1248    250  250 U          PCB 1254             PCB 1254                   PCB 1254	Client:       Mr. Ken Kota         Malcolm Pirnie, Inc.         So. 3515 Abbott Road         Buffalo, NY 14219         Received       : 10/28/94         ANALYSIS * BY EPA METHOD 8080       AN         Sample:         -021           Location:        LAB           BLANK                 Date Collected:         -021           Time Collected:         POL           Date Extracted:          10/28/94           Date Analyzed:          10/31/94           Dilution:          11           II                 PCB 1016          250  250 U         II                 PCB 1232          250  250 U         II                 PCB 1242          250  250 U         II                 PCB 1242          250  250 U         II                 PCB 1254          250  250 U         II                 II	Client: Sample Mr. Ken Kota Malcolm Pirnie, Inc. Colu So. 3515 Abbott Road Buffalo, NY 14219 Received : 10/28/94 ANALYSIS * BY EPA METHOD 8080 ANALYTICAI Sample:   -021     Location:  LAB     Date Collected:    PQL       Time Collected:    PQL       Date Extracted:     10/28/94     Date Extracted:     10/28/94     Date Analyzed:     10/28/94     Dilution:        1     PCB 1016    250  250 U     PCB 1221    250  250 U     PCB 1242    250  250 U     PCB 1248    250  250    20    20    20    20    20    20	Client:       Sample(S) Ref         Mr. Ken Kota       Malcolm Pirnie, Inc.       Columbus Mc         So. 3515 Abbott Road       Buffalo, NY 14219       Columbus Mc         Received       : 10/28/94       P.O. #         ANALYSIS * BY EPA METHOD 8080       ANALYTICAL RESULT         sample:         -021                   Location:         LAB                 BLANK                         Date Collected:          PoL                 Time Collected:          PoL                 Date Analyzed:          10/28/94                 Date Analyzed:          10/31/94                 Dilution:          10/31/94                 II                         PCB 1016          250          1         II                         PCB 1222          250          1         PCB 1242          250          1         PCB 1243          250          1         PCB 1244          250          1         PCB 1254          250          1         PCB 1254          250          1          1         PCB 1254          250          1          1 <th>State in the intervention of the interventint of the interventint of the interventint of the interventint of</th> <th>Discrete:       Date: NOV. 13         Client:       Sample(s) Reference         Mr. Ken Kota       Columbus McKinnon         So. 3515 Abbott Road       Buffalo, NY 14219         Received       : 10/28/94       P.O. #:         ANALYSIS * BY EFA METHOD 8080       ANALYTICAL RESULTS - ug/kg Dry         sample:         -021                           tcostion:       LAB                         bate Collected:               !                 Time Collected:               !                 Ditution:               !                         bate Extracted:               !                         Ditution:               1                         rcs 1016               250                                 rcs 1222               250                                 rcs 1242               250                                 rcs 1242               250                                 rcs 1242               250                                 rcs 1242  </th>	State in the intervention of the interventint of the interventint of the interventint of the interventint of	Discrete:       Date: NOV. 13         Client:       Sample(s) Reference         Mr. Ken Kota       Columbus McKinnon         So. 3515 Abbott Road       Buffalo, NY 14219         Received       : 10/28/94       P.O. #:         ANALYSIS * BY EFA METHOD 8080       ANALYTICAL RESULTS - ug/kg Dry         sample:         -021                           tcostion:       LAB                         bate Collected:               !                 Time Collected:               !                 Ditution:               !                         bate Extracted:               !                         Ditution:               1                         rcs 1016               250                                 rcs 1222               250                                 rcs 1242               250                                 rcs 1242               250                                 rcs 1242               250                                 rcs 1242						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

www. NY ID# in Hackensack: 10801

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Laboratory Director

-	General	>	A Full Service Environmental Laboratory											
	Testing V Corporat		LABORATORY REPORT											
	Corporal		Jo	b No:	R94/0412	8	Date: N	IOV. 15	1994					
	Client: Mr. Ken Kota		Sample(s) Reference											
-	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road		Columbus McKinnon										
-	Received	:	: 10/28/94 P.O. #:											
	ANALYSIS * BY EF	PA METHO	D 8080	AA	ALYTICAL	RESULI	'S - ug/	1						
	Sample:	-020	I I		1 1		I	1	1					
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	Dilution:	1			1 1		1	1	1					
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	PCB 1016	   0.060 U					1	   	   					
-	PCB 1221	0.060 U					1	1	   4					
	PCB 1232	0.060 U					1 1		1   					
	PCB 1242	0.060 U					+ 	   						
	PCB 1248	0.060 U					   	1   						
	PCB 1254	0.060 U					;   	•   						
	PCB 1260	0.060 U					r   	1						
	Surrogate Standard Recovery						1 	   !						
	Tetrachloro-meta-xylene	73					I 1	1	ł 1					
	(Acceptance Limits: 60-150%)	-												

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ 10# in Hackensack: 02317

NY ID# in Hackensack: 10801

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Laboratory Director



LABORATORY REPORT

-	COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
•••	PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1248 PCB 1254					50-114 15-178 10-215 39-150 38-158 29-131
-	PCB 1260	2300	0	3100	135*	8-127

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC I RPD	LIMITS	
PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1242 PCB 1248 PCB 1254 PCB 1260	2300	2800	122	10	30 30 30 30 30 30 30 30	50-114 15-178 10-215 39-150 38-158 29-131 2-127	

# Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

D: 0 out of 3 outside limits pike Recovery: 1 out of 6 outside limits

(\_)MMENTS:

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# LABORATORY REPORT

Client: Mr. Tom Wells H & A of New York 189 North Water Stre Rochester, NY 14604	Mr. Tom Wells H & A of New York 189 North Water Street Rochester, NY 14604								
			11						
	REFERE	NCE CHECK	     !						
EPA METHOD 8080	TRUE VALUE	X   RECOVERY	ACCEPT						
Date Extracted: 11/02/94 Date Analyzed: 11/07/94			    						
PCB 1260	2000	120	       8-	127					
		1							
<b>→</b>									
-									

Laboratory Director

# MALCOLM PIRNIE, INC.

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	PROJECT NO.: 1332-01-4 SAMPLERS (SIGNATURE): Kenneth Kota			SITE NA	ME: bus Tong	McKinn Fac.	iou			/et			7	7	7	77	· · · · · · · · · · · · · · · · · · ·		
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	STATION NO.	DATE	TIME	COMP.	GRAB		STATION L	OCATION				<u> </u>	Ľ				[		
١		10/27	1615		×	21		01		1		1						Analyze for max, DL 1.0 report results	Ppm dry weight on dry weight basis
a		j	1620		1	C-1-5	3		5-1 12										
3			1625			(-2-1 Z'	3		5-1 0										
4			1630			L-2 10'	В		0 -1 13										
5			1635			C-3.A	3		1 <u>3</u> -1 4										
6			1640			(-9-3 10'	,	01 5 01											
7			1645			(-4-A 4'		S	-1			1						· · · · · · · · · · · · · · · · · · ·	
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ای			1700			6-5-13	r	- ۲- ۱	1			-+							
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12			1715			L-6-1	<u>د</u> ر	5 · 02	1			$\top$							
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J			1725		V	6-7-	· B	5- ()<	)	$\mathbf{V}$								V	f
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	RELINQUISHED BY (SIGNATURE):					IVED BY (SIG			-			HED					DATE/TIME: RECEIVED BY (SIGNATURE):		
RELINQUISHED BY (SIGNATURE):						E/TIME: RECEIVED FOR LABORATORY				Y	DATE/TIME:							ET 1 OF 2	

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# MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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PROJECT NO.: 1332-01-4 SAMPLERS (SIGNATURE): Kennell Kota					· 4400					7	7	7	11			
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STAT	TION	DATE	TIME	COMP.	GRAB	STAT			TAINERS	/~				/		
			1730		x	C-8-A		5-1 024	1	1		•				Analyze for PCBS dry weight max DL 1.0 PPM dry weight report results on dry weight besis
,		1	173			C-8-0 12'		5.1 025								
ł		T	1745			CalleR		5-1		I.						
			0845		X	water Ti	raitmt Inf	0 4 1	2	2						Analyze I sample for PCB's standard detection level
		19/28	0845		×	Water Tr	eutent Eff	luent 028	2	2						Analyze I sample for PCB's standard detection level Analyze I sample for PCB's Target DL of 65 PPT
																,
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NOV. 16 1994

- Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219
  - Re: Columbus McKinnon
  - Dear Mr. Ken Kota
  - Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/01/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
  - Should you have any questions please contact me at 454-3760.
- Thank you for letting us provide this service.
  - Sincerely,

GENERAL TESTING CORPORATION

11101

Janice Jaeger Customer Service Representative

Enc.



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04240

#### PCB ANALYSIS

MPI Influent and Effluent water samples were also analyzed for PCBs using method 8080. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) on sample R94/04240-002 was outside advisory QC limits and has been flagged with an "\*". All other surrogate standard recoveries were acceptable.

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

W	General		A Full Service Environmental Laboratory											
	Testing V				LA	BORAT		EPORT						
	Corporat	ION		Job No:	R94/0424	10	Date: N	OV. 16	1994					
(	Client: Mr. Ken Kota				Sample	e(s) Re:	ference							
_	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	imbus Mo	CKinnon							
I	Received	:	10/31/	94		P.O. ;	<b># :</b>							
	ANALYSIS * BY EF	PA METHO	0808 DC	080 ANALYTICAL RESULTS - ug/l										
		-001  INFLUENT	-002  EFFLUENT	-003  LAB  BLANK	1	1	1	1						
<b>.</b>		10/28/94 23:00	  10/28/94  23:00	•	   	   		1 1 1						
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	PCB 1221	0.50 U	0.060 U	, 0.060 U		,   	İ	, ; ,	•   					
	PCB 1232	0.50 U	0.060 U	0.060 U	1			1						
	PCB 1242	0.50 U	0.060 U	0.060 U		r   	1	1						
	PCB 1248	0.50 U	0.060 U	0.060 U	1	1		1						
	PCB 1254	0.50 U	0.060 U	0.060 U	1	1 1		 						
	PCB 1260	I   0.50 U	0.060 U	0.060 U		1		   						
	Surrogate Standard Recovery	1 1 1 1	1			1     	F 	 						
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   108 	   53* 	   69 	   	1 2 1		   	1   					

W Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ 1D# in Rochester: 73331

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NJ ID# in Hackensack: 02317

WY ID# in Hackensack: 10801

Manual K. Per



### LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219			Job No: Date:	R94/04311 17 NOV., 1994
	REFERE	NCE CHECK		
EPA METHOD 8080	TRUE VALUE	%   RECOVERY	ACCEP1	
Date Extracted: 11/03/94    Date Analyzed: 11/04/94    				
PCB 1248                   	2.0	   141     	    38-1             	; <b>8</b>
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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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NOV. 17 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/03/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

ould m Jac

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
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   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
  - S Reported value determined by Method of Standard Additions. (MSA)
  - X As specified in the case narrative.



**CASE NARRATIVE** 

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04282

### PCB ANALYSIS

MPI soil samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All soil samples were extracted using the sonication method 3550 and cleaned up using the acid and sulfur cleanup techniques. MPI Influent and Effluent water samples were also analyzed for PCBs using method 8080. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within QC limits for all samples.

The PCB Matrix Spike/Matrix Spike Duplicate recoveries for PCB 1260 on sample R94/04311-003(L-53) were diluted out and could not be calculated due to the amount of PCB 1254 detected in the sample. The recoveries have been flagged with a "D". The Precision data from the MS/MSD were all within QC advisory limits. The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

-	General W	$\overline{\mathbf{x}}$		A Full Service Environmental Laboratory										
	Testing V				LA	BORAT		EPORT						
	Corporat	ΙΟΠ	J	lob No: 1	R94/0428	32	Date: N	OV. 17	1994					
	Client: Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			-	e(s) Ref umbus Mo								
	Received		11/02/9	4		P.O. #	:							
-	ANALYSIS * BY EP	PA METHO	D 8080	8080 ANALYTICAL RESULTS - ug/l										
-	Sample: Location:	-001  INFLUENT	-002  EFFLUENT					1	 					
		  11/01/94  13:10	11/01/94  13:15				1   	1   	1 1 1					
-	Date Extracted:	•	11/02/94  11/03/94  1	1			======================================		       					
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	PCB 1242	0.50 U 	0.060 U 	1 .										
	PCB 1248	0.50 U 	0.060 U 				 							
	PC8 1254	0.50 U	0.060 U					 	•   					
-	PCB 1260	0.50 U	0.060 U						' { 					
	Surrogate Standard Recovery		1					1						
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	137	99					   	   					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, perts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

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•	General	A		A Full Service Environmental Laboratory										
	Testing Corpora	<b>X</b>				LABO	RATORY	/ REPC	RT					
	Corpora			Job No	<b>b:</b> R94/	04282	Date	: NOV.	17 1994					
-	Client: Mr. Ken Kota			Sample(s) Reference										
	Malcolm Pirni So. 3515 Abbo Buffalo, NY 1	ott Road		Columbus McKinnon										
	Received	:	11/02/	/94		Ρ.	0. #:							
-	ANALYSIS * BY B	PA METHO	D 8080	ANALYTICAL RESULTS - ug/kg Dry Wt.										
-	Sample: Location:		-004  LAB  BLANK	   	   	1	   	1	1 1 1					
	Date Collected: Time Collected:	PQL	.  		 				 					
-	Date Extracted: Date Analyzed: Dilution:	••	11/02/94  11/02/94  1	   	     	   	     							
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-	(Acceptance Limits: 60-150%)	 	1	1	1		1	ł	l					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

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NJ ID# in Mackensack: 02317

NY ID# in Nackensack: 10801

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	General	>		A Full Service Environmental Laboratory									
	Testing V				LA	BORAT		EPORT	-				
	Corporat	ION	Jo	ob No:	R94/042	•	Date: N						
-	Client: Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot				-	e(s) Re: umbus Mo							
-	Buffalo, NY 14												
	Received	:	11/02/94	4		P.O. ;	#:						
	ANALYSIS * BY EI	PA METHO	D 8080	A	NALYTICA	FICAL RESULTS - ug/l							
	Location:	-005  LAB  BLANK			1	 			1				
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	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   89 			   	1	1 1 1	   	1				
-	Unless otherwise noted, analyti NY ID# in Rochester: 10145 NJ ID# in Rochester: 73331 NJ ID# in Nackensack: 02317	ical methodo	logy has been	obtained	from referenc	es as cited	in 40 CFR, p	erts #136 &	#261.				

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NY ID# in Hackensack: 10801

Laboratory Director

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General Testing Corporatio	n	A Full Service Environmental Laboratory LABORATORY REPORT										
3A - PCB's MATRIX SP	IKE/MATRIX SF	PIKE DUPLICATE	RECOVER	۲								
Lab Name: General Te	sting Corp.	Contract:	_									
Lab Code:	Case No.:	SAS NO.	:	S	DG No.:	-						
Matrix Spike - EPA S	ample No. : F	894/04311 -003										
COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCE (ug/k	-	MS % REC #	QC LIMITS REC.						
PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1254 PCB 1260	2600	0 0 0 0 0 12000 0	0 0 0 0 8600 0		D	50-114 15-178 10-215 39-150 38-158 29-131 8-127						
	I	-	1	1								
COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	RPD	LIMITS						
PCB 1016 PCB 1221 PCB 1232 PCB 1242		0 0 0 0			30 30 30 30 30	50-114 15-178 10-215 39-150						

# Columns to be used to flag recovery and RPD values with an asterik

2600

\* Values outside of QC limits

1 'D: 0 out of 3 outside limits pike Recovery: 0 out of 6 outside limits

()MMENTS:

age 1 of 1

PCB 1248

PCB 1254

PCB 1260

FORM III VOA-1 NYSDEC B-85

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38-158

29-131

8-127

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### LABORATORY REPORT

Client:	Job No:	RS	4/0428	2
Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219	Date:	29	NOV.,	1994

-	     	REFERE	, NCE CHECK	    
EPA METHOD 8080	    	TRUE VALUE	%   RECOVERY	ACCEPTANCE    LIMITS (%)
Date Extracted: 11/03/94 Date Analyzed: 11/04/94	       		       	       
PCB 1248		2.0	141           	1    38 - 158                

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Laboratory Director

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# MALCOLM PIRNIE, INC.

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1002	11/94	13:5		×	hiatin TA	intiment Efflicient	2	2						analyse I sample for PCBS Target DL of 65PPT analyse For PCB's method 8080
-003	11/2	0%5		×	L-52 el. 565	. jun Me, 032 5-2 119	2		2					analyse For PCB's method 8080
														,
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RELINQU	SHED	8Y (SI	GNATU	RE):	DATE/TIME:	RECEIVED FOR LABORAT (SIGNATURE): JH Crastine imment, cupy to coordinator field	TORY BY			TIME		AARK:	5: S:	
J		<u></u>	Distribut	ion Origin	al accompanies sh	upment, cupy to coordinator field	liles	<b>*</b>			1			

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NOV. 17 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/04/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

AMUMA

Janice Jaeger Customer Service Representative

Enc.



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
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- M Duplication injection precision not met (GFA only).
- 5 Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04311

### PCB ANALYSIS

MPI soil samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All soil samples were extracted using the sonication method 3550 and cleaned up using the acid and sulfur cleanup techniques. MPI Influent and Effluent water samples were also analyzed for PCBs using method 8080. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within QC limits for all samples.

The PCB Matrix Spike/Matrix Spike Duplicate recoveries for PCB 1260 on sample R94/04311-003(L-53) were diluted out and could not be calculated due to the amount of PCB 1254 detected in the sample. The recoveries have been flagged with a "D". The Precision data from the MS/MSD were all within QC advisory limits. The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

Samples R94/04311-003 and 004 were analyzed at 1/10 dilutions to bring PCB 1254 within the calibration range of the method.

No other analytical or QC problems were encountered with this analysis.

	General W	$\rightarrow$	A Full Service Environmental Laboratory								
_	Testing V Corporat	vion			LA	BORAT	ORY R	EPORT			
-	Corporal	ION	J	ob No:	R94/043	11	Date: N	IOV. 17	1994		
	Client: Mr. Ken Kota				Sample	e(s) Rei	ference				
-	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Col	umbus Mo	Kinnon				
<i></i>	Received	:	11/03/9	4		P.O. ‡	<b># :</b>				
<u>Andr</u>	ANALYSIS * BY EF	PA METHO	D 8080	AN	ALYTICA	L RESULI	[S - ug/	1			
-	Sample: Location:	-001  INFLUENT	-002  EFFLUENT	.   1	 	1	1		 		
-		  11/02/94  22:00	  11/02/94  22:00	   	   			   	   		
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-	PCB 1221	י   0.50 ט 	0.060 U	1 ] ]	   	   1	1	!   !			
	PCB 1232	0.50 U	0.060 U	•   	•   	1	1	1   	   		
-	PCB 1242	, 0.50 U	0.060 U	,   	1	1	1	,   	,   		
	PCB 1248	0.50 U	0.060 U 	 			 	,   			
	PCB 1254	0.50 U	0.060 U	1 1	 	 	 	 			
-	PCB 1260	0.50 U	0.060 ປ 	 			1	-   	 		
	Surrogate Standard Recovery		1	   	1	1	 	 	-   		
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	99	   78 	   		   	1   	   	   		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

11-----5 ż.

Laboratory Director

	General W	>		AF	ull Serv	ice Env	ironme	ntal La	boratory		
	Testing V Corporat	ion			LA	BORAT	ORY R	EPORT			
**	Corporal		J	ob No:	R94/0431	11	Date: N	OV. 17	1994		
	Client:		Sample(s) Reference								
•	Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road		Columbus McKinnon							
	Received		11/03/9	4		P.O. #	:				
1000	ANALYSIS * BY EF	A METHO	D 8080	AN	ALYTICAI	L RESULI	s - ug/	1			
	Location:	-005  LAB  BLANK		 	1		1	1	1		
-	Date Collected: Time Collected:	 	 		   		 	   	f   		
		11/03/94  11/03/94  1	   	   	     		   		       		
•	PCB 1016	   0.060 U			   1		 	 			
	PCB 1221	   0.060 U 			   		   	   	1   		
	PCB 1232	0.060 U	1	 	 		] 1	 	I		
100	PCB 1242	0.060 U			•		7 6 8	   	1		
	PCB 1248	0.060 U	,   		• • •		• ] 	,   	, 1 1		
-	PCB 1254	0.060 U	1		   		,   	1   	 		
-	PCB 1260	0.060 U	 				   	,     	 		
	Surrogate Standard Recovery							1   	,   1		
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	74					   		   		
-	Unless otherwise noted, analyt	cal methodo	logy has been	n obtained f	rom reference	es as cited	in 40 CFR, p	arts #136 &	#261.		

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

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-	General Testing Corpora	<b>b</b> ation			R94/0	LABO	RATORY	REPC		
-	Client: Mr. Ken Kota				Sar	nple(s)	Referen	ce		
-	Malcolm Pirni So. 3515 Abbo Buffalo, NY 1	ott Road		Columbus McKinnon						
	Received	:	11/03/	<b>′94</b>		P.	0. #:			
	ANALYSIS * BY E	PA METH	OD 8080	A (	NALYTI	CAL RE	SULTS - 1	ug/kg I	Dry Wt.	
	Sample:		-006	I		I	1	ŧ	1	
	Location:		LAB  BLANK		1	l				
	Date Collected:		_]		I	ł	l	l	I I	
-	Time Collected:	PQL	 		1					
-	Date Extracted: Date Analyzed: Dilution:		11/03/94  11/04/94  1 		     	     	   	     	     	
			1	1	1					
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	PCB 1221	1000	1000 U		ļ	ł	1		1	
	PCB 1232	1000 	ן 1000 บ 							
-	PCB 1242	1000	1000 U	I	Ì	l		İ	1	
-	PCB 1248	    1000 	  1000 U		1					
	PCB 1254	1000	1000 U	Ì	i	ŀ	i	i		
-	PC8 1260	    1000 	  1000 U 					1	8	
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	             	     99 							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ 1D# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Mill K. R-



LABORATORY REPORT

3A - PCB'S MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY Lab Name: General Testing Corp. Contract: \_\_\_\_\_\_ Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_ Matrix Spike - EPA Sample No. : R94/04311 -003

COMPOUND	SPIKE	SAMPLE	MS	MS	QC
	ADDED	CONCENTRATION	CONCENT.	%	LIMITS
	(ug/kg)	(ug/kg)	(ug/kg)	REC #	REC.
PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1260	2600	0 0 0 0 12000 0	0 0 0 0 8600 0		50-114 15-178 10-215 39-150 38-158 29-131 8-127

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (Ug/kg)	MSD % REC #	* RPD #	RPD	LIMITS
PCB 1016		0			30	50-114
PCB 1221		0			30	15-178
PCB 1232		0			30	10-215
PCB 1242		Ō			30	39-150
PCB 1248		0			30	38-158
PCB 1254		8600		0	30	29-131
PCB 1260	2600	0	D		30	8-127

# Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

D: 0 out of 3 outside limits pike Recovery: 0 out of 6 outside limits

DMMENTS:

page 1 of 1



## LABORATORY REPORT

	Client:	Job No:	R9	4/0428	2
1	Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219	Date:	29	NOV.,	1994
,	Buildid, NI 14219				

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			DEEEDE	NCE CHECK		
				····	•  ••••••	•••••
-	EPA METHOD 8080	ii	TRUE	j <b>x</b>	ii	ACCEPTANCE
			VALUE	RECOVERY		LIMITS (%)
	Date Extracted: 11/03/94				•	••••••
	Date Analyzed: 11/04/94	Ï		I	ii	
				1	11	
	000 13/8		2.0		11	70
-	PCB 1248		2.0	141		38 - 158
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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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PROJECT					SITE NAME:	· • ·								- /				
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NOV. 22 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/07/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

MUUI

Janice Jaeger  $\checkmark$ Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



#### CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04341

#### PCB ANALYSIS

MPI soil samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All soil samples were extracted using the sonication method 3550 and cleaned up using the acid and sulfur cleanup techniques. MPI Influent and Effluent water samples were also analyzed for PCBs using method 8080. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within QC limits for all samples.

The PCB Matrix Spike/Matrix Spike Duplicate recoveries for PCB 1260 on sample R94/04315-006 and the Precision data from the MS/MSD were all within QC advisory limits. The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

-	General W	>		AF	ull Serv	ice Env	ironme	ntal La	boratory
	Testing V	V			LA	BORAT	ORY R	EPORT	
	Corporat	ION	3	lop No:	R94/0434	1	Date: N	OV. 22	1994
C	Client:				Sample	e(s) Ref	erence		
	Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	umbus Mc	Kinnon		
F	Received	:	11/04/9	94		P.O. #	:		
-	ANALYSIS * BY EP	PA METHO	D 8080	AN	ALYTICAL	, RESULT	'S - ug/	1	
	Sample: Location:	-001	-002	-007	1			I	ļ .
	Location:	INFLUENT 	EFFLUENT	LAB  BLANK				1	1
		11/03/94	•		1			ļ	
==	Time Collected:	22:00 ========	22:10	 		***********	   	 ================================	
		•	•	11/04/94	1		l	I	1
	Date Analyzed: Dilution:	11/04/94  1	11/04/94  1	11/04/94  1				1	
	- · · · · · · · · · · · · · · · · ·	1	1		1			l ·	
-	PCB 1016	   0.50 U 	   0.060 U 	   0.060 U 			   	   	   
	PCB 1221	0.50 U	0.060 U	0.060 U			, 	1	1
	PCB 1232	   0.50 U 	   0.060 U 	   0.060 U 			 	   	   
	PCB 1242	0.50 U	0.060 U	0.060 U				l	1
	PCB 1248	   0.50 U 	   0.060 U	   0.060 U 			 	   	   
	PCB 1254	0.50 U	0.060 U	0.060 U					1
	PC8 1260	   0.50 U 	0.060 U	   0.060 U 			}   	1	 
-		l	Ì				, 	l	1
;	Surrogate Standard Recovery	1	1	1					1
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	95	74	   69 			1	   	1

munless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

"J ID# in Rochester: 73331

J ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. P.

Laboratory Director

General W
General Testing
 Corporation

LABORATORY REPORT

3A - PCB'S MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: \_\_\_\_\_\_\_\_\_
Lab Code: \_\_\_\_\_\_ Case No.: \_\_\_\_\_\_ SAS No.: \_\_\_\_\_\_ SDG No.: \_\_\_\_\_\_
Matrix Spike - EPA Sample No. : R94/04315 -006

-	COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
						======
1	PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1260	2200	0 0 0 4200 0 0	4000 2500	114	50-114 15-178 10-215 39-150 38-158 29-13 8-127

2	-	2	
		-	

-	COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC I RPD	LIMITS REC.
	PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1260	2200	0 0 0 4100 0 2500	114	2 0	30 30 30 30 30 30 30	50-114 15-178 10-215 39-150 38-158 29-131 8-127

# Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

F D: 0 out of 1 outside limits Whike Recovery: 0 out of 2 outside limits

C MMENTS:

rage 1 of 1



### LABORATORY REPORT

Client:

Mr. Ken Kota Malcolm Pirnie, Inc. Job No: R94/04315

Date: 22 NOV., 1994

wer	}         	REFERENCE CHECK	    	
EPA METHOD 8080	TRU    VALU	•		EPTANCE ITS (%)
Date Extracted: 11/11/94 Date Analyzed: 11/13/94			1 1 1 1 1 1 1 1 1 1 1 1	
PCB 1260	2000                   	85	8                	a - 127

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# MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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PROJECT NO.: 1332-01-4			SITE NAME: bus McKinnen Columbus McKinnen Tong: Fac.		NO.	/ ht			7	7	7	//			
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3		14	645		×	L-11 EL 369	5.2 725 13-2	2		2					METTER BE MOST
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NOV. 22 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/08/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

INA N

Janice Jaeger Customer Service Representative

Enc.



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



#### CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04375

#### PCB ANALYSIS

MPI soil samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All soil samples were extracted using the sonication method 3550 and cleaned up using the acid and sulfur cleanup techniques. MPI Influent and Effluent water samples were also analyzed for PCBs using method 8080. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within QC limits for all samples.

The PCB Matrix Spike/Matrix Spike Duplicate recoveries for PCB 1260 on sample R94/04315-006 and the Precision data from the MS/MSD were all within QC advisory limits. The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

Samples R94/04375-007 and 008 were analyzed at 1/10 dilutions to bring PCB 1254 within the calibration range of the method.

No other analytical or QC problems were encountered with this analysis.

General 📢	
General Testing	V/
Corpora	tion

Client:

Received

A Full Service Environmental Laboratory

### LABORATORY REPORT

Job No: R94/04375 Date: NOV. 22 1994

Sample(s) Reference

Columbus McKinnon

Mr	. Ken	Kota	
Ma	lcolm	Pirnie,	Inc.
So	. 3515	Abbott	Road
Bu	ffalo,	NY 1423	19

: 11/07/94

P.O. #:

ANALYSIS \* BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/1

		Sample:	-003	-004	-009	-010	-014	I	1	!
		Location:	INFLUENT	EFFLUENT	INFLUENT	EFFLUENT	LAB	1	ł	I
-			1	1	1	ł	BLANK	1	I	1
	Date	Collected:	11/04/94	11/04/94	11/05/94	11/05/94		1	L .	<b>.</b> .
	Time	Collected:	22:00	22:10	14:15	14:18		1	1	l
	Data	Extracted:	11/07/94			11/07/94	<del></del>  11/07/94	22225229222 	***************************************	   
			•	•		•	11/07/94	1	1	1
		Dilution:	11	11:	11,00,74	11700774	11	1	1	ł
-			1	1	1	' 1	1	1	1	1
			1	1	1	1	1	1	1	1
	PCB	1016	I   0.50 U	I   0.060 U	I 0.50 U	1 0.060 U	l 0.060 U	1	1	1
-	r ve		1 0.30 0	1 0.000 0	1 0.50 0	1 0.000 0	1 0.000 0	1	1	1
	PCR	1221	1 0.50 U	1 0.060 U	/ 0.50 U	I 0.060 U	I 0.060 U	1	1	1
	100		1 0.50 0	1 0.000 0	1 0.30 0	1	1 0.000 0		1	1
-	PCE	1232	0.50 U	1 0.060 U	0.50 U	0.060 U	I   0.060 U		1	1
_			1 0.50 0		1 0.50 0	1 0.000 0	1	1	1	1
	PCR	1242	1 0.50 U	0.060 U	0.50 U	0.060 U	I 0.060 U	1	1	1
					1 0.50 0	1	1	1	1	i 1
-	PCR	1248	0.50 U	0.060 U	1 0.50 U	1 0.060 U	1   0.060 U	1	1 . 1	1
			1	1	1	1	1	1	1	8 1
	PCR	1254	0.50 U	0.060 U	1 0.50 U	0.060 U	0.060 U	1	1	1
	1.00				1	1 0.000 0	1 0.000 0		1	1
	DCB	1260	0.50 U	I 0.060 U	1 0.50 U	ເ 0.060 ປ	1 0.060 U	1	1	1
	7.00	1200	0.00 0		1 0.50 0			1	1	1
_			1 i	1	1	1	1	1	1	1
-	Succos	ate Standard Recovery	ł	1	1	1	1	1	1	 {
		Jere Stermeru Keluvery	1	l f	1 . 1	1	F 1	I F	1	F
	Tata	achloro-meta-xylene	82	   72	96	68	65	1	1	1
-		eptance Limits: 60-150%)	-	' <b>-</b> !	1			1	l .	1
	(ACC		I .	l I	1	I	1	1	1	4

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ 10# in Rochester: 73331

NJ 10# in Hackensack: 02317

■ NY ID# in Hackensack: 10801



# LABORATORY REPORT

3A - PCB'S MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: \_\_\_\_\_\_\_
Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_\_
Matrix Spike - EPA Sample No. : R94/04315 -006

-	COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
	PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254		0 0 0 4200 0	0 0 0 4000		50-114 15-178 10-215 39-150 38-158 29-131
	PCB 1260	2200	0	2500	114	8-127

1	*	1	

-	COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	* RPD #	QC 1 RPD	LIMITS REC.
1	PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1242 PCB 1248 PCB 1254		0 0 0 4100 0		2	30 30 30 30 30 30 30	50-114 15-178 10-215 39-150 38-158 29-131
	PCB 1260	2200	2500	114	0	30	8-127

# Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

PD:\_\_\_0\_\_\_ out of \_\_\_1\_\_\_ outside limits wpike Recovery:\_\_0\_\_\_ out of \_\_\_2\_\_\_ outside limits

OMMENTS:

page 1 of 1



# LABORATORY REPORT

Client:

Mr. Ken Kota Malcolm Pirnie, Inc. Job No: R94/04315

Date: 22 NOV., 1994

	         REFEREI 	ісе снеск   	     
EPA METHOD 8080	TRUE    VALUE	X RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 11/11/94 Date Analyzed: 11/13/94			
PC8 1260	2000          	85	8 - 127
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1	1/5	1015		×	L-33 EL. 570:35	5-2 JAF 185	2	2					\		
	15	1,020		×	L-69 EL. 560.5	>2 JAR 186	2	2					1	, <u>, , , , , , , , , , , , , , , , , , </u>	
	1/5	1145		×	L-35 EL. 5662	5-2		2						,	
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	ils	1416		X	Warder There Econvert	ma poor as	2		2			AMAUTE	1 smac	FOL AL	SPOT.
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Distribution 0	riginal accompanies sh	upment, cupy to coordinator field files			



NOV. 22 1994

Mr. Thomas Forbes Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus Mckinnon

Dear Mr. Thomas Forbes

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/09/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
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- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
  - S Reported value determined by Method of Standard Additions. (MSA)
  - X As specified in the case narrative.

	General W	>		A Full Service Environmental Laboratory								
	Testing V	/			LAE	BORAT		EPORT				
	Corporate	ΙΟΠ		Job No: 3	R94/0439	2	Date: N	OV. 22	1994			
	Client: Mr. Thomas For				-	(s) Ref						
	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	mbus Mc	kinnon					
	Received	:	11/08/	94		P.O. #	:					
	ANALYSIS * BY EF	A METHO	D 8080	AN	ALYTICAL	RESULT	S - ug/	1				
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-	PCB 1248	0.50 U 	0.060 U	0.060 U				:   	+   			
	PCB 1254	0.62 	0.060 U	0.060 U				 	 			
	PCB 1260	   0.50 U 	0.060 U	0.060 U				 				
100			1	1				+ 	1			
	Surrogate Standard Recovery	1	1	I				!	1			
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   90 	   75 	   76 				   	:   :			

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

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## LABORATORY REPORT

 3A - PCB'S MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

 Lab Name: General Testing Corp.
 Contract: \_\_\_\_\_\_

 Lab Code: \_\_\_\_\_\_
 Case No.: \_\_\_\_\_\_
 SAS No.: \_\_\_\_\_\_

 Matrix Spike - EPA Sample No. : R94/04315 -006

-	COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
	PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1260	2200	0 0 0 4200 0 0	0 0 0 4000 0 2500	114	50-114 15-178 10-215 39-150 38-158 29-131 8-127

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD \$ REC #	<b>%</b> RPD #	QC I RPD	LIMITS REC.
PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1260	2200	0 0 0 4100 0 2500	114	2 0	30 30 30 30 30 30 30 30	50-114 15-178 10-215 39-150 38-158 29-131 8-127

# Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

 i 'D:\_\_\_0\_\_\_\_ out of \_\_\_1\_\_\_\_ outside limits

 Spike Recovery:\_\_0\_\_\_\_ out of \_\_\_2\_\_\_\_ outside limits

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age 1 of 1



# LABORATORY REPORT

Client: Mr. Thomas Forbes Malcolm Pirnie Job No: R94/04315

Date: 22 NOV., 1994

	       REFERE	NCE CHECK	   
EPA METHOD 8080	TRUE    VALUE	X RECOVERY	ACCEPTANCE LIMITS (%)
<ul> <li>Date Extracted: 11/11/94</li> <li>Date Analyzed: 11/13/94</li> </ul>			
PCB 1260	2000		8 - 127

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# MALCOLM PIRNIE, INC.

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008		1	1		TREATM	SNT P	4NT FERLENT	2		2					Anniver & Sample For PCD'S TAGET DETERDON LINA 65 POT
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}			Distribut				IGNATURE); 74/ Cyaldung	liles			1/10	4			

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NOV. 23 1994

Mr. Thomas Forbes Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Thomas Forbes

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/10/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

MUT

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

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- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04409

### PCB ANALYSIS

MPI soil samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All soil samples were extracted using the sonication method 3550 and cleaned up using the acid and sulfur cleanup techniques. MPI Influent and Effluent water samples were also analyzed for PCBs using method 8080. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within QC limits for all samples.

The PCB Matrix Spike/Matrix Spike Duplicate recoveries for PCB 1260 on sample R94/04315-006 and the Precision data from the MS/MSD were all within QC advisory limits. The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

Samples R94/04409-001, 002, 003, and 007 were analyzed at dilution to bring PCB 1254 within the calibration range of the method.

No other analytical or QC problems were encountered with this analysis.

	General	$\rightarrow$		A Full Service Environmental Laboratory								
				LABORATORY REPORT								
	Testing V Corporati	ion	J	ob No:	R94/0440	9	Date: N	OV. 23	1994			
	Client:			Sample(s) Reference								
	Mr. Thomas For Malcolm Pirnie So. 3515 Abbot	, Inc.			Colu	mbus Mc	Kinnon					
	Buffalo, NY 14											
	Received	:	11/09/9	4		P.O. #	:					
-	ANALYSIS * BY EF	A METHO	D 8080	AN	ALYTICAL	RESULI	'S - ug/	1				
	•		-005	-010	1 1		1	I				
	Location:	INFLUENT 	EFFLUENT	LAB  BLANK			l	1	1			
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	PCB 1221	0.50 U	0.060 U	0.060 U			1	1				
	PCB 1232	0.50 U	0.060 U	l 0.060 U			i 	1	1			
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-	PCB 1242	0.50 U	0.060 U	0.060 U				1	1			
	PCB 1248	0.50 U	0.060 U	0.060 U			1	 				
	PCB 1254	0.50 U	   0.060 U	   0.060 U								
	PCB 1260	0.50 U	 j0.060 u	   0.060 U			 	↓ ∎	 			
-			l				1	l	1			
	Surrogate Standard Recovery		   				   	   	   4			
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	60	63 	   48* 			   	1   	1     			

W Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

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LABORATORY REPORT

3A - PCB'S MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: \_\_\_\_\_
 Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_
 Matrix Spike - EPA Sample No. : R94/04315 -006

-	COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
	PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1254 PCB 1260	2200	0 0 0 0 4200 0 0	0 0 0 4000 0 2500	114	50-114 15-178 10-215 39-150 38-158 29-131 8-127

1	COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC 1 RPD	LIMITS REC.
						20	50-114
_	PCB 1016		0			30	
_	PCB 1221		0			30	15-178
	PCB 1232		0			30	10-215
	PCB 1242		0			30	39-150
-	PCB 1248		4100		2	30	38-158
	PCB 1254		0			30	29-131
	PCB 1260	2200	2500	114	0	30	8-127

# Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

	0				outside		
<b>S</b> ike	Recove	ry:	_0	out o	f2	outside	limits

**MMENTS:** 

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# LABORATORY REPORT

Client:

Job No: R94/04315 Date: 23 NOV., 1994

Mr. Thomas Forbes Malcolm Pirnie, Inc.

	     REFERE	NCE CHECK	   
EPA METHOD 8080	TRUE   VALUE	X RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 11/11/94 Date Analyzed: 11/13/94	1		
PCB 1260	2000	85	8 - 127

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# R94/4409

# MALCOLM PIRNIE, INC.

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DEC. 13 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Thomas Forbes

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/11/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

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MUL M

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

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- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



### CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04433

### PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was outside of advisory QC limits for the Effluent and the recovery has been flagged with an "\*".

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

-	General Testing Corporatio	<b>&gt;</b> n			LABC R94/0443	RATO	Dnment RY REF Date: 1	PORT		ry	
	Client:				Sample	e(s) Ref	ference				
-	Mr. Thomas For Malcolm Pirnie So. 3515 Abbo Buffalo, NY 14	e, Inc. tt Road		Columbus McKinnon							
	Received	:	11/10/	94		P.O. #	<b>!:</b>				
	ANALYSIS * BY EI	PA METHO	OD 8080	A	IALYTICAI	RESULT	rs – ug,	/1			
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-	Date Analyzed: Dilution:	11/11/94  1	11/11/94  1	11/11/94  1			1		1		
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	PCB 1016	   0.50 U 	   0.060 U 	   0.060 U			   	1			
	PCB 1221	0.50 U	0.060 U	0.060 U	I		İ	l	i		
	PC8 1232	   0.50 U 	   0.060 U 	  0.060 U 			   	1			
	PCB 1242	0.50 U	0.060 U	0.060 U			ļ	İ	i		
-	PCB 1248	   0.50 U 	   0.060 U 	0.060 U			1   	   			
	PCB 1254	0.50 U	0.060 U	0.060 U			l		1		
	PCB 1260	   0.50 U 	0.060 U	   0.060 U 			   	   			
	Surrogate Standard Recovery	   					 	   			
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   88 	   51 + 	57 <b>+</b> 			1 1		   		
-	Inless otherwise noted englyt	ical methodo	lony has he	en obtained	iron reference	e as cited		mete #13	6 2 #261		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Person

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-	General Testing
	iesling V
-	Corporation

# LABORATORY REPORT

Job No: R94/04337 Date: 8 DEC., 1994

Client: Mr. Thomas Forbes Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

-	1	1	11
	   REFERE	NCE CHECK	    
EPA METHOD 8080	TRUE VALUE	X RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 11/07/94 Date Analyzed: 11/13/94	       		          
PCB 1260	2.0	65	8 - 127

Michael K. Rom

R94/4433

# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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	PROJECT NO.: 1332-01-4 SAMPLERS (SIGNATURE): Kormetk Kola						T			7				······································
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DEC. 1 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

- Re: Columbus McKinnon
- Dear Mr. Ken Kota
- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/14/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

INAD

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04455

### PCB ANALYSIS

MPI soil samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All soil samples were extracted using the sonication method 3550 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within QC limits for all samples.

The PCB Matrix Spike/Matrix Spike Duplicate recoveries for PCB 1260 on sample R94/04461-004 and the Precision data from the MS/MSD were all within QC advisory limits. The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

_ General	>		A Full Service Environmental Laboratory							
Testing			LABORATORY REPORT							
_ Corporatio	n		Job No:	R94/0445	5	Date: D	EC. 1	1994		
Client:				Sample	(s) Ref	erence				
Mr. Ken Kota Malcolm Pirni So. 3515 Abbo Buffalo, NY 1	tt Road			Colu	mbus Mc	Kinnon				
Received	:	11/11/	94		P.O. #	:				
- ANALYSIS * BY E	PA METHO	DD 8080	AN	ALYTICAL	, RESULI	'S - ug/	1			
Sample: Location:	•	-002 EFFLUENT JAR 048	-008  LAB  BLANK			   	1	1		
Date Collected: Time Collected:	•	11/10/94  20:10	 			   	 	1   		
Date Extracted: Date Analyzed: mu Dilution:	11/12/94  11/13/94  1	11/12/94  11/13/94  1	11/12/94  11/13/94  1			     		     		
PC8 1016	   0.50 U 	  0.060 U	0.060 U			'   	,     	, 1 1		
PCB 1221	0.50 U	0.060 U	0.060 U			 	1	1		
PCB 1232	0.50 U	0.060 U	0.060 U			 	 	1		
PCB 1242	່ 0.50 ປ	0.060 U	0.060 U				i	 		
PCB 1248	0.50 U	0.060 U	0.060 U	i i			,   			
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PCB 1260	0.50 U 	0.060 U	0.060 U 			   	,   	1   		
Surrogate Standard Recovery							 	1		
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	81	   64 	   59* 			   	   	   		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, perts #136 & #261. NY ID# in Rochester: 10145

NJ 10# in Rochester: 73331

NJ ID# in Hackensack: 02317

■ NY ID# in Hackensack: 10801

Michael : Perm



LABORATORY REPORT

3A - PCB'S MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: \_\_\_\_\_\_ Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_ SAS No.: \_\_\_\_ SDG No.: \_\_\_\_\_
Matrix Spike - EPA Sample No. : R94/04461 -004

-	COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
	PCB 1016 PCB 1221 PCB 1232 PCB 1242 PCB 1248 PCB 1254 PCB 1260	2300	0 0 0 0 0 0 0	0 0 0 0 0 2300	100	50-114 15-178 10-215 39-150 38-158 29-131 8-127

-	1	P	

-		SPIKE ADDED	MSD CONCENT.	MSD %	8	QC 1	LIMITS
	COMPOUND	(ug/kg)	(ug/kg)	REC #	RPD #	RPD	REC.
	PCB 1016		0			30	50-114
7	PCB 1221		0			30	15-178
	PCB 1232		0			30	10-215
	PCB 1242		0			30	39-150
-	PCB 1248		0			30	38-158
	PCB 1254		0			30	29-131
•	PCB 1260	2300	2300	100	0	30	8-127
			·				I

# Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

F	'D:	0	out	of	1	outside	limits	
1	pike	Recov	ery:	<u> </u>	out of	2	outside	limits

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( MMENTS:

mage 1 of 1



# LABORATORY REPORT

Client: Job No: R94/04455 Mr. Ken Kota Malcolm Pirnie, Inc. Date: 1 DEC., 1994 So. 3515 Abbott Road Buffalo, NY 14219

			REFEREN	ICE CHECK	    
-	EPA METHOD 8080		TRUE VALUE	X RECOVERY	ACCEPTANCE LINITS (X)
	Date Extracted: 11/12/94 Date Analyzed: 11/13/94				
	PCB 1260		2.0	75	    8 - 127 
-					11 11 11

27 1

Laboratory Director



# LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc So. 3515 Abbott Roa Buffalo, NY 14219	d.		Job No: Date:	R94/04455 1 DEC., 1994
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Date Analyzed: 11/13/94		       		
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# MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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DEC. 5 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

- Re: Columbus McKinnon
- Dear Mr. Ken Kota
- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/15/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 General Testing Corporation

A Full Service Environmental Laboratory

Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04472

### PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within advisory QC limits for all samples.

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

General W			A Full Service Environmental Laboratory												
- Testing	X/			LA	BORA		EPO	RT							
_ Corpora	tion	j	Job No:												
Client:			Sample(s) Reference												
Mr. Ken Kota Malcolm Pirni So. 3515 Abbo Buffalo, NY 1	tt Road			Colu	imbus Mo	Kinnon									
Received	:	11/14/9	94		P.O. #	:									
ANALYSIS * BY E	PA METH	OD 8080	AN	ALYTICAI	. RESULT	rs – ug/	1								
Sample: Location:	JAR 049	-002  EFFLUENT  JAR 050  11/11/94	BLANK	   		   	   								
Date Collected: Time Collected:	22:00	22:10	 	 			r t	ł							
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PC8 1221	0.50 U	0.060 U	0.060 U			,   	,   								
PCB 1232	0.50 U	0.060 U	0.060 U	 			1	ļ							
PC8 1242	0.50 U	0.060 U	0.060 U	1				1							
PCB 1248	0.50 U	0.060 U	0.060 U				1	I							
PCB 1254	0.50 U	0.060 U	0.060 U	1		1		1							
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Surrogate Standard Recovery		i I	 	   											
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	120	<del>7</del> 	76 	•   		 									

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

WW NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

www.NY ID# in Hackensack: 10801

inchal K. Pers

Laboratory Director

	General W
•	General Testing
	Corporation

Mr. Ken Kota

Malcolm Pirnie, Inc.

So. 3515 Abbott Road Buffalo, NY 14219

Client:

A Full Service Environmental Laboratory

# LABORATORY REPORT

Job No: R94/04337

Date: 8 DEC., 1994

-	         REFERE	ICE CHECK	   
EPA METHOD 8080	TRUE    VALUE	X RECOVERY	ACCEPTANCE LIMITS (X)
Date Extracted: 11/07/94 Date Analyzed: 11/13/94			
- PCB 1260	2.0          	65	8 - 127

Michael K. Pers

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DEC. 5 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/16/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at 454-3760.

, Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
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- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
  - S Reported value determined by Method of Standard Additions. (MSA)
  - X As specified in the case narrative.



## CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04484

## PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was outside of advisory QC limits for the Influent and the recovery has been flagged with an "\*".

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

	General	>		A Full Service Environmental Laboratory								
	Testing V Corporat				LA	BORAT		EPOR <sup>-</sup>	r			
-	Corporal		J	ob No:	R94/0448	34	Date: D	EC. 5	1994			
	Client:				Sample	e(s) Ref	erence					
_	Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	umbus Mc	Kinnon					
	Received	:	11/15/9	4		P.O. #	:					
-	ANALYSIS * BY EP	PA METHO	D 8080	AN	ALYTICAI	L RESULT	'S - ug/	1				
~	Location:	INFLUENT	EFFLUENT	-003  LAB  BLANK	1	   	   	   	 			
	Date Collected:	11/14/94	11/14/94  12:58		 	,     						
•		•	•	11/15/94  11/16/94  1		     	     	     	 			
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	PCB 1221	   0.50 U 	0.060 U	0.060 U								
-	PCB 1232	0.50 U 	0.060 U	0.060 U								
	PCB 1242	0.50 U	0.060 U	0.060 U					1			
-	PCB 1248	0.50 U	0.060 U	0.060 U					   			
	PCB 1254	0.50 U	0.060 U	0.060 U								
	PCB 1260	0.50 U	0.060 U	0.060 U				 				
-	Surrogate Standard Recovery		: { } }	   					   			
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	51* 	67 	50 <del>*</del> 								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

\* NY 1D# in Hackensack: 10801

Muchand K. Ren



# LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Ir So. 3515 Abbott Ro Buffalo, NY 14219			Job No: Date:	R94/04337 8 DEC., 1994
-	       REFERE	NCE CHECK	   	
EPA METHOD 8080	TRUE    VALUE	X RECOVERY	ACCEPTAN LIMITS (	
Date Extracted: 11/07/94 Date Analyzed: 11/13/94		     	     	
PC8 1260	    2.0 	65	   8 - 12 	7
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R9414484 74/11-000060

# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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PROJECT	<b>NO</b> .: 32-	01-	4		SITE N COLI	AME: 6 To	na.	McKinnon Faci			, <b>1</b> 4	<sup>er</sup> /				
PROJECT 13 SAMPLER	18 (SIG	natur	Ko	ta					NO. OF CON- TAINERS		J. J. A.	/ /	/ /	/ /	/ /	REMARKS
STATION NO.	DATE	TIME	сомр.	GRAB		STAT	ION LO	CATION	1	$[\wedge]$		/	/			
1280	"/4	1255		~				Influent 051	2							Analyze I sample for PCB's standard detection level Analyze I sample Por PCB's Taryet DL of 65 PPT
1281	11/14	1258		V	Wal	ter Ti	mnt.	Effluent 052	2							Analyze I sample for PCB's Taryet DL of 65 PPT
																,
RELINQUISHED BY (SIGNATURE): DATE/TIME: RECEIVED BY (SIGNATURE): DATE/TIME: RECEIVED BY (SIGNATURE): 1/15/94 925 C. MORNEL				VED BY (SIGNATU	REL	RELL		HED	BY IS	IGNAT	URE)	DATE/TIME RECEIVED BY (SIGNATURE): 11/1.794 1030 Cluck Brune				
RELINQUISHED BY (SIGNATURE): DATE/TIME: RECEIVED BY (SIGNATURE)									GNAT	URE)						
RELINQUISHED BY (SIGNATURE): DATE/TIME: RECEIVED FOR LABORA					TORY BY	1		TIME		MARK:	S:					
J	Distribution Original accompanies shipment, cupy to coordinator fre					Hasling	<u>/</u> lalws	/////	5/44	121	4					





DEC. 5 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/17/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

aniam

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04502

## PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within advisory QC limits for all samples.

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

) -	General Testing Corporat	<b>&gt;</b> tion	A Full Service Environmental Laboratory LABORATORY REPORT Job No: R94/04502 Date: DEC. 5 1994 Sample(s) Reference								
•	Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	mbus Mo	<b>CKinnon</b>				
	Received	:	11/16/9	4		P.O. #	<b>!:</b>				
	ANALYSIS * BY EF	PA METHO	0808 DC	łA	ALYTICAL	RESULI	rs - ug,	/1			
-	Location:	JAR 053	•	BLANK			1	1			
		11/15/94  22:00	11/15/94  22:00	 				1			
	Date Extracted:	11/16/94  11/16/94  1	11/16/94  11/16/94  1	11/16/94  11/16/94  1		****	**************************************			***	
	PC8 1016	   0.50 U 	   0.060 U 	I   0.060 U 			1 	   			
	PCB 1221	0.50 U     0.50 U	0.060 U     0.060 U	0.060 U     0.060 U			1 1 1	1			
	PCB 1242	0.50 U	   0.060 U	0.060 U			   	   	1		
	PCB 1248	0.50 U	   0.060 U 	   0.060 U 			[   				
	PC8 1254	0.50 U	0.060 U 	0.060 U			,   	   			
_	PCB 1260	0.50 U	0.060 U 	0.060 U			1	1			
-	Surrogate Standard Recovery		     	1   			   	   	1		
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	80	68	54 <b>*</b> 			1		Ĭ		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ 1D# in Rochester: 73331

NJ ID# in Nackensack: 02317

\*\*\* NY ID# in Hackensack: 10801

Miles t. Pinetor Laboratory Director



# LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc So. 3515 Abbott Roa Buffalo, NY 14219	d.		Job No: Date:	R94/04455 8 DEC., 1994		
<b>-</b>	       REFERE	ICE CHECK	1			
	TRUE    VALUE	X RECOVERY	ACCEPTAN LIMITS (			
Date Extracted: 11/12/94 Date Analyzed: 11/13/94	       		     			
PCB 1260	2.0       	75	   8 - 12     	7		
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# <u>294/4/502</u> <u>941000076</u> MALCOLM PIRNIE, INC.

# CHAIN OF CUSTODY RECORD

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	NO	UNIE	TIME		UNAD		ION LOCATION	]	$\bigwedge^{\circ}$	L					/		· · · · · · · · · · · · · · · · · · ·
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2	1327	1/17/4	2240		×	Treatmon EPFluen	Jar 053 ut Plant ut Jar 054	2	2						Analyze Taryet	1s DL	ample for PCB's . 65 PPT 🖤
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ŀ	RELINQUI	SHED	BY (SIC	GNATU	1E):	DATE/TIME:	RECEIVED FOR LABORAT	TORY BY			TIME:		ARK	S:		L	
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DEC. 5 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/18/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

ANILIN

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



# **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04521

## PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within advisory QC limits for all samples.

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

-				Job No:	R94/04521	Date	: DEC.	5 1994
	Client: Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Sample(s) Columbus			
	Received	:	11/17/	94	P.C	). #:		
***	ANALYSIS * BY EF	PA METHO	D 8080	A	ALYTICAL RES	SULTS -	ug/l	
	Location: Date Collected:	JAR 055	-002  EFFLUENT  JAR 056  11/16/94  21:10	- 003   LAB   BLANK   			     	
	Date Analyzad:	• • •	11/17/94  11/17/94  1  1	11/17/94  11/17/94  1		**************************************	         	
-	PCB 1016	0.50 U	0.060 U	0.060 U				
	PCB 1221	0.50 U	0.060 U	0.060 U		ļ		1
-	PC8 1232	0.50 U	0.060 U	i i 0.060 u		1		
	PC8 1242	0.50 U	0.060 U	0.060 U				
-	PC8 1248	0.50 U	   0.060 U	0.060 U				1
_	PCB 1254	0.50 U	0.060 U	0.060 U		1		1
	PCB 1260	0.50 ป	   0.060 U 	   0.060 U 				1
	Surrogate Standard Recovery		1	i i				
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	88	i i 60 i	   62 		1   		1

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ 10# in Hackensack: 02317

NY ID# in Hackensack: 10801

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# LABORATORY REPORT

Client:			Job No:	R94/04455
Mr. Ken Kota Malcolm Pirnie, Inc.	•		Date:	8 DEC., 1994
So. 3515 Abbott Road Buffalo, NY 14219	1			
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	r REFEREI	ICE CHECK		
EPA NETHOD 8080	TRUE	X	ACCEPTAN	
	VALUE	RECOVERY	LIMITS (	*)
 Date Extracted: 11/12/94				*****
Date Analyzed: 11/13/94	1			
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PCB 1260	2.0	75	8 - 12	27
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94/11-000073 R94/4521

# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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/3 8A1	ROJECT NO.: 1332-01-4 AMPLERS (SIGNATURE): Michael TATION DATE TIME COMP GRAB	SITE NAME: Columbus Tennwan	NO. OF CON- TAINERS	. /.	And the state	s /	7	//	7	REMARKS						
ST/	NO.	DATE	TIME	COMP.	GRAB	STA	ION LOCATION		14	<u> </u>					/	
H.	8د	"/10/94	Z10 ()		X	TREATMENT		z	Z						ANALYZE 1 SAMPLE FOR PCB'S STANDARD DETECTION LIMIT ANALYZE 1 SAMPLE FOR PCB'S	•
1	29	"/10/94	2110		X	TRATMENT	- Plent - 056	2	2						ANALYEE 1 SAMPLE FOR PLB'S TARUET DETECTION Limit 65pp	<b>P</b> T
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NOV. 30 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/22/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
  - Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
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- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



## **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04553

## PCB ANALYSIS

MPI soil samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All soil samples were extracted using the sonication method 3550 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within QC limits for all samples.

The PCB Matrix Spike/Matrix Spike Duplicate recoveries for PCB 1260 on sample R94/04553-001 and the Precision data from the MS/MSD were all within QC advisory limits. The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

	General W	>		A Full Service Environmental Laborator									
	Testing V Corporat	rion											
			J	OD NO:	R94/045	53	Date: N	OV. 30	1994				
	Client: Mr. Ken Kota				Sample	e(s) Rei	ference						
	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road		Columbus McKinnon									
	Received	:	11/18/9	4		P.O. #	<b># :</b>						
	ANALYSIS * BY EI	PA METHO	D 8080	AN	ALYTICA	L RESULT	rs – ug/	1					
	Sample:	•	-006	-007	l.	I	1	1	I				
	Location:	INFLUENT  JAR 057	EFFLUENT	LAB  BLANK	1	1		1	1				
		11/17/94			1	) [	1	1	1				
		•	21:10	j	i	Í	ł	İ	l				
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		11/22/94	11/22/94	11/22/94	1	l	Ì	Ì	1				
-	Dilution:	1 	1 	]1 1		1	1	} 1					
_	PCB 1016	0.50 U	   0.060 U	0.060 U			1	1	1   				
-	PCB 1221	   0.50 U	   0.060 U	   0.060 U	1			1	1				
	PCB 1232	   0.50 U 	   0.060 U	   0.060 U		1	1	   	1				
	PCB 1242	0.50 U	0.060 U	0.060 U				1	1				
	PC8 1248	   0.50 U	   0.060 U	   0.060 U		   	   		   				
	PCB 1254	0.50 U	0.060 U	   0.060 U		[ ] 1	   	i   	   1				
	PCB 1260	1 0.50 U	0.060 U	0.060 U			   	1   	r 1				
-				1	1	с 	1	1 	i İ				
	Surrogate Standard Recovery	1	1	1			1	1	1				
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   94 	   63 	65	 	 	   	; 1 [	i   				
_													

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

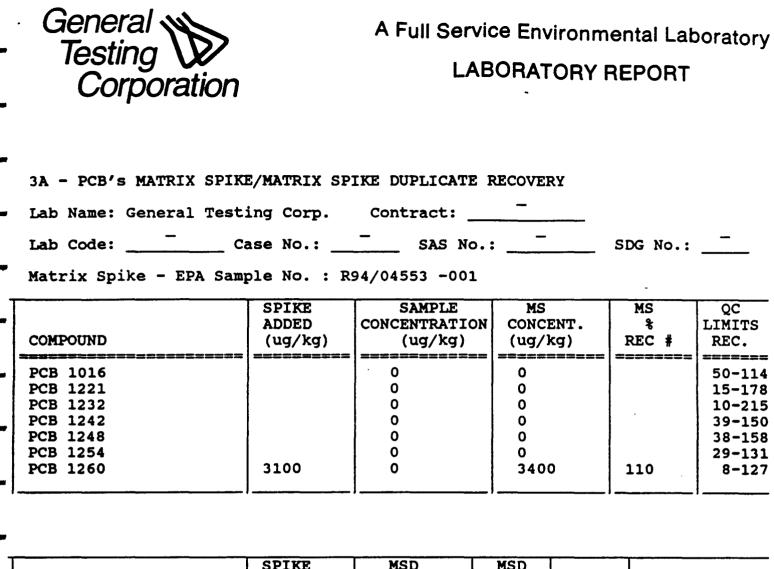
NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

www NY ID# in Hackensack: 10801

Michael 4. Laboratory Director



	COMPOUND	ADDED (ug/kg)	CONCENT. (ug/kg)	REC #	% RPD #	RPD	LIMITS REC.
	PCB 1016	*********	0		aquesau	30	50-114
-	PCB 1221		Ō			30	15-178
	PCB 1232		0			30	10-215
	PCB 1242		0			30	39-150
-	PCB 1248		0			30	38-158
	PCB 1254		0			30	29-131
	PCB 1260	3100	3800	122	11	30	8-127
							l

# Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

'PD:	0	out	of	1	outside	limits	
-pike	Recov	ery:	0	out of	2	outside	limits

**COMMENTS:** 

page 1 of 1

FORM III VOA-1 NYSDEC B-85



# LABORATORY REPORT

Client: Job No: R94/04553 Mr. Ken Kota Malcolm Pirnie, Inc. Date: 30 NOV., 1994 So. 3515 Abbott Road Buffalo, NY 14219

EPA HETHOD 8080    TRUE    VALUE Date Extracted: 11/21/94    Date Analyzed: 11/22/94       PCB 1254    2.0	X RECOVERY	ACCEPTANCE           I           LIMITS (%)
Date Analyzed: 11/22/94       		11 11
PCB 1254    2.0		11
		29 - 131



# LABORATORY REPORT

Client: Job No: R94/04553 Mr. Ken Kota Malcolm Pirnie, Inc. Date: 30 NOV., 1994 So. 3515 Abbott Road Buffalo, NY 14219

-	       REFEREI	NCE CHECK	
EPA METHOD 8080	TRUE    VALUE	X RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 11/21/94 Date Analyzed: 11/21/94	11 11 11 11		
PCB 1260	2000       	105	8 - 127     
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Laboratory Director

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DEC. 5 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

- Re: Columbus McKinnon
  - Dear Mr. Ken Kota
- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/22/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets).
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



# **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04566

# PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within advisory QC limits for all samples.

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

General			A F	full Ser	vice Env	vironme	ental La	aboratory					
<ul> <li>Testing \</li> <li>Corpore</li> </ul>	<b>X</b> tion			LA	BORA		EPOR <sup>-</sup>	Г					
_ Corpora	lion	J	ob No:	R94/045	66	Date: D	EC. 5	1994					
Client: Mr. Ken Kota				Sample	e(s) Rei	ference							
Malcolm Pirnie So. 3515 Abbo Buffalo, NY 1	tt Road		Columbus McKinnon										
Received	:	11/21/9	4		P.O. ‡	<b># :</b>							
ANALYSIS * BY E	PA METHO	D 8080	AN	ALYTICA	L RESULI	rs - ug/	1						
Sample: Location: Date Collected: Time Collected:	JAR 059	-002  EFFLUENT  JAR 060  11/18/94  21:10	JAR 061	JAR 062	-005  LAB  BLANK   	     							
Date Extracted: Date Analyzed: Date Dilution:	•	11/21/94  11/22/94  1 	11/21/94  11/22/94  1	•	11/21/94  11/22/94  1		• • • • • • • • • • • • • • • • • • •						
PCB 1016	   0.50 U 	   0.060 u 	0.50 U	   0.060 U 	   0.060 U 			 					
PCB 1221	0.50 U 0.50 U	0.060 U     0.060 U	0.50 U 0.50 U	0.060 U     0.060 U	0.060 U     0.060 U								
PCB 1242	0.50 U	0.060 U	0.50 U	0.060 U	   0.060 U								
PC8 1248	0.50 U	0.060 U	0.50 U	0.060 U	0.060 U								
PCB 1254	0.50 U	0.060 U	0.50 U	0.060 U	0.060 U	   		 					
PCB 1260	0.50 U	ו   0.060 บ 	I   0.50 U 	I   0.060 U 	ו   0.060 ט ו	1   							
wer Surrogate Standard Recovery	     	     	   	   	1 1 1			1					
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	94 	62 	93	67	65	 							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

Gonoral M

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

📟 NY ID# in Hackensack: 10801

Muisaul F. Per



# LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Ind So. 3515 Abbott Ros Buffalo, NY 14219			Job No: R Date: 30	94/04553 NOV., 1994
-	       REFEREN	ICE CHECK	   	
EPA METHOD 8080	TRUE    VALUE	X RECOVERY		
Date Extracted: 11/21/94 Date Analyzed: 11/22/94	          			
PCB 1254	2.0       	100	   29 - 131     	
-	       		-     	

Michael K. Rom

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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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DEC. 5 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/23/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.

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Sincerely,

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Janice Jaeger  $\smile$ Customer Service Representative

Enc.

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Effective 10/1/91

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   The sample quantitation limit must be corrected for dilution and for percent moisture.
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- M Duplication injection precision not met (GFA only).
  - S Reported value determined by Method of Standard Additions. (MSA)
  - X As specified in the case narrative.



## CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04521

# PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within advisory QC limits for all samples.

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

General			A	Full Serv	ice Env	vironme	ental La	boratory					
Testing V Corporat	<b>V</b> tion		LABORATORY REPORT										
_ Corporal		i	Job No:	R94/0459	8	Date: D	EC. 5	1994					
Client: - Mr. Ken Kota				Sample	e(s) Ref	erence							
Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road		Columbus McKinnon										
Received	:	11/22/9	94		P.O. #	:							
- ANALYSIS * BY EN	PA METHO	D 8080	ANALYTICAL RESULTS - ug/l										
Location:	•	-002 EFFLUENT	-003  LAB			1	1	 					
Date Collected:		JAR 064  11/21/94  21:10	BLANK   			   	   	   					
	•	11/22/94  11/22/94  1	11/22/94  11/22/94  1			     	     	     					
PCB 1016	   0.50 U 	   0.060 U	   0.060 U			 	1 1	   					
PCB 1221	0.50 U 	0.060 U	0.060 U			 	,   	1					
PCB 1232	0.50 U 	0.060 U	0.060 U	i		 	,   	1					
PC8 1242	0.50 U	0.060 U	0.060 U			• [ •	• 	1					
PCB 1248	0.50 U	0.060 U	0.060 U				1	r   					
ee PCB 1254	0.50 U	0.060 U	0.060 U				   						
PC8 1260	0.50 U	   0.060 U 	0.060 U				1   	1					
Surrogate Standard Recovery		     	   					   					
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	104	75	63 					,   					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

miller K. Per

Laboratory Director



### LABORATORY REPORT

ent: Mr. Ken H Malcolm H So. 3515 Buffalo,	Pirnie, Abbott	Road			ť	Job No: Date:		4/04553 NOV.,	1994
		       	•••••	ICE CHECK	       				
EPA METHOD 80	080		TRUE VALUE	X RECOVERY		ACCEPT/ LIMITS			
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PC8 1260			2000	105		8 - 1	127		

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Laboratory Director

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## MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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494/4548 150 11 11 I





DEC. 5 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/28/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

ince Ms

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
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   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
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- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



#### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04620

#### PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was outside of advisory QC limits for the Effluent and the recovery has been flagged with an "\*".

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

	General Testing	>		A Full	Service				ratory
	Corporatio	n					RY REP		
	corporade		J	ob No:	R94/0462	20	Date: D	EC. 5	1994
	Client:				Sample	e(s) Ref	ference		
	Mr. Ken Kota Malcolm Pirni So. 3515 Abbo Buffalo, NY J	ott Road			Colu	umbus Mc	Kinnon		
]	Received	:	11/23/9	4		P.O. #	:		
	ANALYSIS * BY F	PA METHO	0808 D	AN.	ALYTICAL	, RESULI	'S – ug/	1	
	Sample:	-001	-002	-003			1		
	Location:	INFLUENT	•	LAB			1	l	
	Date Collected:	JAR 065	•	BLANK 			1	1	
-	Time Collected:	11/22/94  21:00	11/22/94  21:10				1	 	
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	Date Extracted:	11/23/94	11/23/94	11/23/94	1 1		1	1	ļ
	Date Analyzed:	11/23/94		11/23/94					
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	PCB 1221	0.50 U	0.060 U	0.060 U			1		
	PCB 1232	   0.50 U	   0.060 U	i i 0.060 u			1		
	PCB 1242	0.50 U	0.060 U	0.060 U	i i				
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	PCB 1248	0.50 U	0.060 U	0.060 U					
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	PC8 1260	0.50 U	0.060 U	0.060 U	i i				
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Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

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NY ID# in Rochester: 10145

Surrogate Standard Recovery

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Tetrachloro-meta-xylene

(Acceptance Limits: 60-150%)

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| 56\*

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NJ ID# in Rochester: 73331

NJ 10# in Hackensack: 02317

NY ID# in Hackensack: 10801

Laboratory Director

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## LABORATORY REPORT

Client: Mr. Ken Kota			Job No:	R94/04553
Malcolm Pirnie, In So. 3515 Abbott Ro Buffalo, NY 14219			Date:	30 NOV., 1994
-	       REFERE	NCE CHECK	    	
EPA METHOD 8080	II TRUE VALUE	X   RECOVERY	ACCEPT	
Date Extracted: 11/21/94 Date Analyzed: 11/21/94	             		          	
PC8 1260	2000    	1   105   	8-    8  	127
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## MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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DEC. 5 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/29/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
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- Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger Customer Service Representative

Enc.

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Effective 10/1/91

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#### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/04640

#### PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

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General			A Full	Service	e Enviro	onmenta	al Labo	ratory
Testing				LABC	RATO	RY REP	OBT	
_ Corporatio	n	c	Job No:	R94/0464		Date: D		1994
Client:				Sample	e(s) Ref	erence		•
Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	tt Road			Colu	umbus Mc	Kinnon		
Received	:	11/28/9	94		P.O. #	:		
- ANALYSIS * BY EN	PA METHO	D 8080	AN	ALYTICAL	. RESULI	25 - ug/	1	
Sample: Location:	-001  INFLUENT  JAR 067	-002  EFFLUENT  JAR 068	-003  LAB  BLANK	1				
Date Collected:	•	11/23/94 19:30	 			   	   	   
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PCB 1221	0.50 U	0.060 U	0.060 U			1	! !	İ
PCB 1232	0.50 U	0.060 U	0.060 U			• [ [	•   	
PC8 1242	0.50 U	0.060 U	0.060 U				1 	
PCB 1248	0.50 U	0.060 U	0.060 U				l   •	1
PCB 1254	0.50 U	0.060 U	0.060 U				 	
PCB 1260	   0.50 U	0.060 U	0.060 U			 	}	1
Surrogate Standard Recovery	1     1	1     1					   	1 5 1
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   132 	   65 	52* 					   

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ 1D# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Macina in the



## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc So. 3515 Abbott Road Buffalo, NY 14219			Job No: Date:	R94/04553 30 NOV., 1994
	   REFERE!	ICE CHECK	#     	
EPA METHOD 8080	TRUE VALUE	% RECOVERY	ACCEP1	
Date Extracted: 11/21/94 Date Analyzed: 11/21/94	     		       	
PCB 1260	2000   	105	8 -       	127
-	E F F F		                     	

Michael K. Per

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R94/4640 ł

## MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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DEC. 16 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 11/30/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

\_ Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

erialli

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943

Effective 10/1/91

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#### CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #'s: R94/04656, 4678, 4761, 4788, 4830, 4848, 4885, 4901, 4928

#### PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

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	General			A Full	Service	Enviro	nmenta	l Labo	ratory
	Testing				LABO			ORT	
-	Corporatio	n	J	ob No: F	294/04656		Date: Di		1994
	Client: Mr. Ken Kota				Sample(	s) Ref	erence		
_	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colum	bus Mc	Kinnon		
	Received	:	11/29/9	4		P.O. #	:		
-	ANALYSIS * BY EF	PA METHO	D 8080	ANZ	LYTICAL	RESULT	s – ug/:	1	
	Sample:	-001	-002	-003	1	1	1		
		INFLUENT	•		1	ļ	l		
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	PCB 1016	0.50 ປ 	0.060 U	0.060 U	l	i		i	
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	PC8 1232	0.50 U	1 0.060 U	0.060 U					
	PC8 1242	   0.50 U	0.060 U	0.060 U					
	PC8 1248	0.50 U	0.060 U	0.060 U					
	PC8 1254	   0.50 U	0.060 U	1 0.060 U					
	PC8 1260	0.50 U	0.060 U	0.060 U					
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	Surrogate Standard Recovery		•	1					
	Tetrachioro-meta-xylene (Acceptance Limits: 60-150%)	76 	   70 	81		   			

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Pers Laboratory Director



### LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc So. 3515 Abbott Road Buffalo, NY 14219	a			R94/04656 16 DEC., 1994
	REFERE	NCE CHECK		
EPA METHOD 8080	TRUE   VALUE	K KECOVERY	ACCEPTAN	
Date Extracted: 11/29/94 Date Analyzed: 11/30/94				
PCB 1260	2.0	85 	8 - 12    	7

Michael K. Pers

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# 1/40,6 9411000a18 1 1 MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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DEC. 16 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

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- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

He Min Elese

Janice Jaeger 💛 Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943

Effective 10/1/91

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(The basis of this proposal are the EPA-CLP Qualifiers)

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-	General			A Full Service Environmental Laboratory							
		<b>n</b>			LABOF	RATORY R	EPORT				
-	Corporation	11		Job No:	R94/04678	Date	DEC.	16 1994			
	Client: Mr. Ken Kota				Sample(	s) Referend	ce				
-	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colum	bus McKinno	on				
	Received	:	11/30/	94		P.O. #:					
	ANALYSIS * BY EP	A METHO	D 8080	) AN	ALYTICAL	RESULTS - 1	ug/l				
	Sample:	-001	-002	-003		ļ	1	l			
		•	EFFLUENT	LAB  BLANK		1					
	Date Collected:	11/29/94	11/29/94	•	i i	i	!	ļ			
-	Time Collected:	22:00	22:10								
•			11/30/94	11/30/94							
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	Dilution:	1	1 			l		1			
-	PCB 1016	0.50 U	   0.060 U	0.060 U		i I	i I				
	PC8 1221	0.50 U	0.060 U	I 0.060 U		1		l			
-	PCB 1232	0.50 U	   0.060 U	   0.060 U							
	PCB 1242	0.50 U	0.060 U	0.060 U							
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	Surrogate Standard Recovery		l		1	1	Ì	Ì			
	Tetrachloro-meta-xylene	90	64	60		1	I	1			
-	(Acceptance Limits: 60-150%)							1			

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

- NY ID# in Hackensack: 10801

Michael K. Pers

Laboratory Director

	General Testing
-	Corporation

### LABORATORY REPORT

So. 3515 Abbott Road Buffalo, NY 14219	
EPA METHOD 8080    TRUE   X    ACCEPTANCE    VALUE   RECOVERY    LINITS (X)	
Date Extracted: 11/29/94          Date Analyzed: 11/30/94	
PCB 1260    2.0   85    8 - 127	

Michael K. Pers

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	PROJECT NO.: 1332-01-4 SAMPLERS (SIGNATURE): Michael					site n Colu	SITE NAME: Columbus Making Tow,						A. J	\$	7			7/		REMARKS				
ł	STATION NO.	DATE	TIME	COMP.	GRAB	<u> </u>	STAT			<u></u>		L'	Ý					/						
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DEC. 16 1994

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	Testing			LABORATORY REPORT										
	Corporatio	n	J	ob No:	R94/0476		Date: D		1994					
	Client: Mr. Ken Kota			Sample(s) Reference										
	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	umbus Mc	Kinnon							
	Received	:	12/01/9	4		P.O. #	:							
-	ANALYSIS * BY EP	A METHO	D 8080	AN	ALYTICAI	RESULI	'S - ug/	1						
-	Location:	INFLUENT	EFFLUENT	-003  LAB										
	Date Collected:	11/30/94	•	BLANK   			   	1 1 1	 					
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	PCB 1260	0.50 U	0.060 U	0.060 U			1   	   	1   					
	Surrogate Standard Recovery		 	1 8 1 8			     	     	i   					
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	102	64	62 	• • •		,   	•   	 					

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NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Pen



LABORATORY REPORT

Client: Mr. Ken Kota			Job No:	R94/04656
Malcolm Pirnie, Inc So. 3515 Abbott Road			Date:	16 DEC., 1994
Buffalo, NY 14219				
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	REFERE	NCE CHECK	<b> </b>   <b> </b>	
EPA NETHOD 8080	TRUE VALUE		ACCEPT	
Date Extracted: 11/29/94   Date Analyzed: 11/30/94	   		     	
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Michael K. Pers

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DEC. 16 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 12/05/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

in the M. Mus

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943

Effective 10/1/91

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(The basis of this proposal are the EPA-CLP Qualifiers)

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   (Flag the entire batch Inorganic analytes only)
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  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- $\chi$  As specified in the case narrative.



#### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #'s: R94/04656, 4678, 4761, 4788, 4830, 4848, 4885, 4901, 4928

#### PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

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No other analytical or QC problems were encountered with this analysis.

<b></b>	General W		A Full Service Environmental Laboratory									
	Testing		LABORATORY REPORT									
	Corporatio	n	J	Job No: R94/04788 Date: DEC. 16 1994								
	Client: Mr. Ken Kota		Sample(s) Reference									
_	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	mbus Mc	Kinnon					
	Received	:	12/02/9	4		P.O. #	:					
-	ANALYSIS * BY EP	PA METHO	D 8080	AN	ALYTICAL	RESULT	'S - ug/	1				
	Location:	INFLUENT	EFFLUENT	•								
-	Date Collected:	12/01/94	•	BLANK   	     		1   					
• <b>••••</b>		•	•	12/02/94  12/02/94  1								
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	PCB 1221	0.50 U	0.060 U	0.060 U			1	1				
-	PCB 1232	   0.50 U 	0.060 U 	I   0.060 U 			i   					
	PCB 1242	, [ 0.50 บ 	,   0.060 U 	0.060 U			• [ 					
	PC8 1248	0.50 U	0.060 U	0.060 U 								
-	PCB 1254	0.50 U	0.060 U	0.060 U								
	PC8 1260	0.50 U	1 0.060 U	1 0.060 U								
	Surrogate Standard Recovery	; ; ; ;	• ] {	   								
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	96   9	65	63 			   					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ 1D# in Rochester: 73331

NJ 10# in Hackensack: 02317

" NY ID# in Hackensack: 10801

Michael K. Per Laboratory Director



## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Ind So. 3515 Abbott Roa Buffalo, NY 14219			Job No: Date:	R94/04656 16 DEC., 1994			
-	       REFERE	NCE CHECK	1				
EPA METHOD 8080	TRUE    VALUE	I X RECOVERY	ACCEPTANCE LIMITS (%)				
Date Extracted: 11/29/94 Date Analyzed: 11/30/94 PCB 1260	          2.0       	     85   	                   	127			

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Michael K. Pers

Laboratory Director

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CHAIN OF CUSTODY RECORD

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54 R94/4788



DEC. 16 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

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Sincerely,

GENERAL TESTING CORPORATION

ivia M

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943

Effective 10/1/91

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### CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #'s: R94/04656, 4678, 4761, 4788, 4830, 4848, 4885, 4901, 4928

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	General			A Full Service Environmental Laboratory										
	Testing V Corporatio				LABC	RATO	RY REP	ORT						
-	Corporatio	n		Job No:				EC. 16	1994					
-	Client:			Sample(s) Reference										
-	Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot			Columbus McKinnon										
	Buffalo, NY 14	219												
	Received	:	12/05/9	5/94 P.O. #:										
	ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/1													
		-001  INFLUENT	-002	-003			l	l <sup>k</sup>	l					
		•	JAR 078	•			 	1						
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	PCB 1016	0.50 U	0.060 U	0.060 U			1		1					
	PCB 1221	0.50 U	0.060 U	0.060 U			1							
	PCB 1232	0.50 U	  0.060 ປ	0.060 U										
	PC8 1242	0.50 U	   0.060 U	0.060 U										
	PCB 1248	0.50 U	   0.060 U 	0.060 U	1 1     									
	PCB 1254	0.50 U	, 0.060 U	0.060 U	, ,     									
	PCB 1260	0.50 U	0.060 U	0.060 U										
-			1											
	Surrogate Standard Recovery		ļ	İ	i i									
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	150	   106 	   82 	     									

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ 10# in Hackensack: 02317

NY ID# in Hackensack: 10801

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Laboratory Director



## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219			Job No: Date:	R94/04656 16 DEC., 1994
	REFERE	NCE CHECK		
EPA METHOD 8080	TRUE VALUE	X RECOVERY	ACCEP	
Date Extracted: 11/29/94 Date Analyzed: 11/30/94		     	       	
PCB 1260	2.0	85   	8 -    	127
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Michael K. Pers

aboratory Director

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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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DEC. 16 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

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- Should you have any questions please contact me at 454-3760.
- Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

MAN

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-5386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943

Effective 10/1/91

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(The basis of this proposal are the EPA-CLP Qualifiers)

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_ General		A Full Service Environmental Laboratory											
Testing V				LABC	RATO	RY REP	ORT						
- Corporatio	n	c	lob No:	R94/0484	8	Date: D	EC. 16	1994					
Client: Mr. Ken Kota			Sample(s) Reference										
Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14		Columbus McKinnon											
Received	Received : 12/06					:							
- ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/1													
•	•	-002  EFFLUENT	-003  LAB METH				1	1					
_	JAR 079	JAR 080	BLANK				1	1					
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Dilution:	1	12/00/ <del>34</del>  1	12/06/74				1	1					
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PCB 1016	0.50 U 	0.060 U 	0.060 U 				 	1					
PCB 1221	0.50 U	0.060 U	0.060 U	i i			1	ĺ					
PCB 1232	0.50 U	0.060 U	0.060 U					1					
PCB 1242	0.50 U	0.060 U	0.060 U				1	 					
PC8 1248	0.50 U	   0.060 U	0.060 U										
PC8 1254	0.50 U	0.060 U	   0.060 U				 						
PCB 1260	0.50 U	0.060 U	0.060 U					1					
	 						1	1					
Surrogate Standard Recovery		1	1			1	l 1	1					
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	119	70	68				 	 					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ 10# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Per

Laboratory Director



## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc So. 3515 Abbott Roa Buffalo, NY 14219			Job No: Date:	R94/04656 16 DEC., 1994
-	       REFERE			
EPA METHOD 8080	TRUE    VALUE	X RECOVERY	ACCEPT	
Date Extracted: 11/29/94 Date Analyzed: 11/30/94	       			
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Michael K. Ferry

Laboratory Director

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# MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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DEC. 16 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

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GENERAL TESTING CORPORATION

Janice Jaeger

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Effective 10/1/91

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_	Testing V Corporatio	n		Cob No.	LABC R94/0488			ORT EC. 16	1004				
	Client:		Ū		-			EC. 10 .	1994				
	Mr. Ken Kota			Sample(s) Reference									
-	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road		Columbus McKinnon									
	Received	:	12/07/9	'07/94 P.O. #:									
	ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/1												
	-	•	-002	-003	1			ļ					
			JAR 082	BLANK			 		) 				
		12/06/94 22:00	12/06/94  22:10	 			] 	[   [					
:	Date Extracted:	12/07/94	12/07/94	12/07/94	•================= 	************	***=========   	=======================================	·====				
		12/07/94	12/07/94  1	12/07/94  1			,   		] 8				
-	PCB 1016	0.50 U	0.060 U	0.060 U			1						
	PCB 1221	1   0.50 U	1   0.060 U	0.060 U			   						
	PC8 1232	0.50 U	0.060 U	0.060 U			   1		   				
	PCB 1242	0.50 U	່   0.060 ປ	0.060 U			   						
	PC8 1248	0.50 U	1 10.060 U	0.060 U			   						
-	PC8 1254	0.50 U	0.060 U	0.060 U			1   						
	PCB 1260	0.50 U	Ι 0.060 υ	0.060 U			 						
	Surrogate Standard Recovery		1	   			 						
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	108	   82 	   77 			 	1 1 1					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ 10# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Pers

Laboratory Director



## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219	Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road									
	   REFERE	NCE CHECK								
EPA METHOD 8080	TRUE VALUE	X   RECOVERY	ACCEP							
Date Extracted: 12/07/94 Date Analyzed: 12/08/94			       							
PCB 1248	2.0       	103       	    8 -             	127						

Michael K. Pers

Laboratory Director

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# MALCOLM PIRNIE, INC.

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### CHAIN OF CUSTODY RECORD

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RELINQ	UISHED	BY (SI	GNATU	RE):	DATE/TIME: RECE (SIGN 1 accompanies shipment,	IVED FOR LABORAT ATURE: 4 Masterie	ORY BY			TIME:		ARK	S.		<b>_</b>			
			Distribut	lion Origin	accompanies shipment,	cupy lu coordinaige field	liles				1							

12/7 12:30



DEC. 16 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 12/09/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

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Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943

Effective 10/1/91

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- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- $\chi$  As specified in the case narrative.



## CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #'s: R94/04656, 4678, 4761, 4788, 4830, 4848, 4885, 4901, 4928

### PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was within advisory QC limits for all samples.

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

	General W	•		A Ful	Service	e Enviro	onment	al Labo	ratory				
	Testing V Corporatio	n	LABORATORY REPORT Job No: R94/04901 Date: DEC. 16 1994										
	Client: Mr. Ken Kota				Sample	e(s) Ref	erence						
	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road		Columbus McKinnon									
	Received	:	12/08/9	4		P.O. #	:						
	ANALYSIS * BY EF	PA METHO	D 8080	AN	ALYTICAI	RESULT	'S - ug/	1					
-	Location:	INFLUENT	EFFLUENT	-003  LAB METH  BLANK									
••••	Date Collected:	12/07/94	•	 	1				   				
-		•	•	12/08/94  12/08/94  1 		   		     					
	PCB 1016	   0.50 U 	   0.060 U 	   0.060 U 		   	   	; ; ;					
	PCB 1221	0.50 U 	0.060 U	0.060 U				,   					
	PC8 1232	0.50 U 	0.060 U 	0.060 U	1			 					
-	PC8 1242	0.50 U	0.060 U	0.060 U									
	PCB 1248	0.50 U 	0.060 U 	0.060 U	1			   					
	PC8 1254	0.50 U 	0.060 U 	0.060 U 	1								
	PC8 1260	0.50 U	0.060 U	0.060 U 	 			1 1					
	Surrogate Standard Recovery		   1	1 1	1			1					
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	103	68	   60 				•   					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

www NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Per

Laboratory Director



## LABORATORY REPORT

Client: Job No: R94/04885 Mr. Ken Kota Malcolm Pirnie, Inc. Date: 16 DEC., 1994 So. 3515 Abbott Road Buffalo, NY 14219 11 11 П 11 REFERENCE CHECK 11 11 Ш EPA METHOD 8080 TRUE \* Ш ACCEPTANCE П VALUE RECOVERY П LIMITS (%) 11 11 Date Extracted: 12/07/94 11 Н Date Analyzed: 12/08/94 11 11 11 11 11 11 2.0 103 PCB 1248 8 - 127 H 11 11 11 11 11 11 11 Н 11 11 H 11 11 11 Ш 11 11

Laboratory Director

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# MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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PROJECT NO.: SITI 1332 01-41 Col SAMPLERS (SIGNATURE): Minacl 2		SITE NA Col sn	SITE NAME: Columbus McKinnen Ton.		NO. OF CON- TAINERS			J.			7	REMARKS				
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277	84/2/2	4 22	0	X	FERL,	MENT SENT	PLUNT	084	Z	z						ANDLYZE I SAMPLE FOR DEB'S TARAET DITUTION LIMIT 65PPT
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DEC. 16 1994

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 12/12/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Mania M. Jacque

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943

Effective 10/1/91

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(The basis of this proposal are the EPA-CLP Qualifiers)

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## CASE NARRATIVE

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #'s: R94/04656, 4678, 4761, 4788, 4830, 4848, 4885, 4901, 4928

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-	General Testing	>		A Ful	I Service LABC		onment RY REF		ratory
	Corporatio	n	J	ob No:	R94/0492		Date: D		1994
	Client: Mr. Ken Kota				Sample	(S) Ref	erence		
	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	mbus Mc	Kinnon		
	Received	:	12/09/9	4		P.O. #	:		
<b>التلية</b>	ANALYSIS * BY EI	PA METHO	D 8080	AN	ALYTICAL	RESULI	'S - ug/	1	
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	PC8 1221	   0.50 U	0.060 U	0.060 U			 	1	1 1
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	PC8 1242	1 0.50 U	0.060 U	0.060 U			1 	[   1	1
	PC8 1248	0.50 U 	0.060 U	0.060 U			   	1   	1   
-	PCB 1254	0.54 	0.060 U	0.060 U			,   !	1   	1
	PCB 1260	,   0.50 U 	0.060 U 	0.060 U			1 1		1
	Surrogate Standard Recovery	1   	   				   	1   	1
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	96 	67 	60			• • •	• • •	• • •

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. Person

Laboratory Director



## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc So. 3515 Abbott Roa Buffalo, NY 14219		Job No: Date:	R94/04928 16 DEC., 1994	
-	       REFERE		   	
EPA METHOD 8080	TRUE    VALUE		ACCEPT/	
Date Extracted: 12/07/94 Date Analyzed: 12/08/94				
PCB 1248	2.0	103	8 - <sup>-</sup>           	127

Laboratory Director

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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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Invoice



A Full Service Environmental Laboratory

JAN. 11 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

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Janice Jaeger Customer Service Representative

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Effective 10/1/91

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	General W	5		A Fu	II Service	Environm	ental Lab	oratory
-	Testing V Corporati	on	J	Job No: 1		RATORY F Date:		1995
	Client: Mr. Ken Kota					) Referenc		
_	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Columb	us McKinno	n	
	Received	:	12/12/9	94	P	.0. #:		
-	ANALYSIS * BY EF	PA METHO	DD 8080	AN	ALYTICAL R	ESULTS - u	g/l	
	Sample: Location:	-001   INFLUENT	-002	-009  LAB		ļ		1
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		•	12/09/94			l	Ì	I
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	PCB 1016	   0.50 U	   0.060 U	   0.060 U		l		 
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	PCB 1242	0.50 U	0.060 U	0.060 U		į		
	PC8 1248	0.50 U	   0.060 U 	   0.060 U 			1	1   
	PCB 1254	2.2	0.060 U	0.060 U		į		•
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	Surrogate Standard Recovery		1	1		1		1 
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   111 	   72 	   68 		1		   

<sup>8</sup> Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, perts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

- -Mind K. Per

Laboratory Director



## LABORATORY REPORT

Client: Job No: R94/04967 Mr. Ken Kota Malcolm Pirnie, Inc. Date: 19 JAN., 1995 So. 3515 Abbott Road Buffalo, NY 14219

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		ii DEFEDE	NCE CHECK	
·				
	EPA METHOD 8080	TRUE	1 %	ACCEPTANCE
		VALUE	RECOVERY	LIMITS (%)
-	Date Extracted:	11 11	1	
	Date Analyzed:	11	• · · · · ·	
	Date Analyzed:	1 I 5 6	•	
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Laboratory Director



LABORATORY REPORT

	3A - PCB'S MATRIX	SPIKE/MATRIX SP	IKE DUPLICATE RECOVERY	
	Lab Name: General	Testing Corp.	Contract:	
	Lab Code:	Case No.:	SAS No.:	SDG No.:
-	Matrix Spike - EP	A Sample No. : R	94/04967 -005	
-		SPTKE	SAMPLE MC	MS

 COMPOUND	ADDED (ug/1)	CONCENTRATION (ug/l)	MS CONCENT. (ug/1)	MS % REC # =======	QC LIMITS REC.
 PCB 1260	50000	0	53000	106	8-127
					l

SPIKE MSD MSD ADDED CONCENT. ≹ Ł QC LIMITS REC # RPD # COMPOUND (ug/1)(ug/1) RPD REC. \_\_\_\_ === PCB 1260 50000 50000 100 6 30 8-127

- # Columns to be used to flag recovery and RPD values with an asterik

\* Values outside of QC limits

RPD:	0	out	of	1	outside	limits	
Spike	Recove	ry:	0	out of	2	outside	limits

COMMENTS:

- page 1 of 1

FORM III VOA-1 NYSDEC B-85

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JAN. 11 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

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Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

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Janice Jaeger Customer Service Representative

Enc.

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Effective 10/1/91

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- X As specified in the case narrative.

•	General Testing Corporat	<b>i</b> ion	J	A Full Service Environmental Laboratory Job No: R94/04968 Date: JAN. 11 1995 Sample(s) Reference										
	Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road		Columbus McKinnon										
	Received		12/12/9	4		P.O. #	:							
	ANALYSIS * BY EI	PA METHO	D 8080	AN	ALYTICAL	RESULT	s - ug/	1						
-		JAR 089	-002  EFFLUENT  JAR 090  12/12/94	-003  LAB  BLANK 				1     	₿ ₽ ₽ ₽					
•	Time Collected:	22:00	22:10	    ::::::::::::::::::::::::::::::	! i } 31203628333333	*****		}   	!   					
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	PCB 1016	0.50 U 	0.060 U	0.060 U 				:   	1   					
_	PCB 1221	0.50 U	0.060 U 	0.060 U 	i i I I			 	 					
-	PC8 1232	0.50 U 	0.060 U 	0.060 U 	 			 	1					
	PCB 1242 PCB 1248	0.50 U     0.50 U	0.060 U     0.060 U	0.060 U     0.060 U					   					
-	PCB 1254	4.2	   0.060 U	0.060 U										
	PCB 1260	   0.50 U   1	   0.060 U 	0.060 U					 					
	Surrogate Standard Recovery	; { ;	   	1	1       			l   	   					
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	96	71 	   66 				   	   					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

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-	General Testing Corporation Client: Mr. Ken Kota Malcolm Pirnie, Ind So. 3515 Abbott Rod	с.	A Full Service Environmental Laboratory Job No: R94/050 Date: 13 JAN									
-	Buffalo, NY 14219											
		       REFER	ENCE CHECK	11 11 11								
<b></b>	EPA WETHOD 8080	TRUE    VALUE	X RECOVERY	ACCEPTAI								
••• ·	Date Extracted:12/15/94 Date Analyzed: 12/16/94	*   *     	     									
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MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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JAN. 11 1995

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- Re: Columbus McKinnon
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- Thank you for letting us provide this service.
  - Sincerely,

GENERAL TESTING CORPORATION

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Janice Jaeger  $\smile$ Customer Service Representative

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-	General Testing	$\triangleright$		A Full S	ervice Envi	ronmenta	l Labora	Itory						
-	Corpora	tion	J	lob No:	R94/04991	Date	: JAN.	11 1995						
	Client: Mr. Ken Kota			Sample(s) Reference										
	Malcolm Pirnie So. 3515 Abbo Buffalo, NY 14	tt Road		Columbus McKinnon										
	Received	:	12/14/9	4	Ρ.	0. #:								
1000	ANALYSIS * BY E	PA METHO	D 8080	ANALYTICAL RESULTS - ug/l										
-	Sample: Location:	-001  INFLUENT  JAR 091	-002  EFFLUENT  JAR 092	-003  LAB  BLANK		1								
	Date Collected: Time Collected:		12/13/94  22:10	 			   	   						
	Date Extracted: Date Analyzed: Dilution:	12/14/94  12/15/94  1	12/14/94  12/15/94  1 	12/14/94  12/15/94  1 										
	PCB 1016	   0.50 U 	   0.060 U 	   0.060 U 										
-	PCB 1221 PCB 1232	0.50 U     0.50 U	0.060 U     0.060 U	0.060 U     0.060 U			1	1						
	PCB 1242	   0.50 U	0.060 U	0.060 U										
-	PC8 1248	   0.50 U 	   0.060 U 	   0.060 U 		ł								
-	PCB 1254	0.50 U	0.060 U	0.060 U 		1								
_	PC8 1260	0.50 U 	0.060 U 	0.060 U										
_	Surrogate Standard Recovery	   												
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   110 	72	   71 		1   		1   						

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NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

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rvice Environmental L	abora	atory
Job No:	R9	4/04885
Date:	16	DEC.,
	Job No:	

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	REFEREI	ICE CHECK	1   
EPA METHOD 8080	TRUE	X   RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 12/07/94 Date Analyzed: 12/08/94	     		     
PCB 1248	   2.0 	103   	   8 - 127   
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Laboratory Director

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943

# K9414991 244

### MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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	PROJECT NO.: 1332-01-4 BAMPLERS (SIGNATURE): Marchaeleeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee					SITE NAME:	NO. OF CON- TAINERS	1 / C N/		J.	7	7	7	REMARKS	
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93	202	12/13/	2210		~	TREATM	INT ROOT	2	2						STANDARD DETECTION Limit ANALYZE 1 SANAL FOR DEB'S TAREAT DETECTION LIMIT 65 PPT
		[													
	RELINOU	ELINQUISHED BY ISIGNATURE: DATE/TIME RECEIVED BY ISIG Kenneth Kola 12/14/94 0932 C.Moc		RECEIVED BY (SIGNATU	REL LA)	RELI	vauis Chi	SHED	BY (SI	GNAT	URE):	DATE/TIME. RECEIVED BY (SIGNATURE):			
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	Distribution Original accompanies shipment, cupy tu@oordinator field					files	12/14/94 1240								



JAN. 11 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 12/16/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
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Thank you for letting us provide this service.

Sincerely,

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Janice Jaeger Customer Service Representative

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#### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/05009

#### PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was outside of advisory QC limits for the Laboratory Blank and the recovery has been flagged with an "\*".

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

-	General W	5		A Full Service Environmental Laboratory											
-	Testing Va Corporati	on		LABORATORY REPORT Job No: R94/05009 Date: JAN. 11 1995											
-	Client: Mr. Ken Kota	<b>*</b>		Sample(s) Reference											
	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road		Columbus McKinnon											
	Received	:	12/14/9	94		P.O. #	:								
-	ANALYSIS * BY EF	PA METHO	0808 D	AN	ALYTICAL	RESULT	'S – ug/	ı							
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-	PCB 1016	0.50 U	0.060 U	0.060 U		ł									
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	PC8 1232	0.50 U	0.060 U	0.060 U				1							
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	PCB 1248	0.50 U 	0.060 U	0.060 U											
-	PC8 1254	0.50 U	0.060 U	0.060 U				• · · · · · · · · · · · · · · · · · · ·							
	PCB 1260	0.50 U	   0.060 U	   0.060 U											
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	Surrogate Standard Recovery		)   					<b> </b>							
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	61	   61 	47 <del>*</del> 	1 1     		[ .   								

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NJ ID# in Rochester: 73331

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NY ID# in Hackensack: 10801

Michael F. Pers .....

Laboratory Director

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General Testing	A Full Service Environmental La	aboratory
Corporation	Job No:	R94/05009
Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219	Date:	13 JAN., 1995

-	       REFERE	NCE CHECK	   
EPA METHOD 8080	TRUE    VALUE	X     RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted:12/15/94 Date Analyzed: 12/16/94 PCB 1232	       2.0       	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 - 127

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### MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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				Distribut	ion Origin	al accompanies shipmi	ent, cupy to coordinator fie	ld files			<u> </u>	1				



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	Corpora	tion	J	ob No:	R94/0503	2	Date: J	AN. 11	1995			
	Client: Mr. Ken Kota		Sample(s) Reference									
	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road	Columbus Mckinnon									
	Received		12/16/9	4		P.O. #	:					
	ANALYSIS * BY EF	PA METHO	D 8080	AN	ALYTICAI	. RESULT	'S - ug/	1				
		-001  INFLUENT  JAR 095	-002  EFFLUENT  JAR 096	-003 LAB BLANK	1		1	t 1	1			
-		12/15/94  22:00	•		   		r 	• • •	1 			
	Date Extracted:	12/19/94  12/19/94  1 	12/19/94  12/19/94  1	12/19/94  12/19/94  1	   				       			
-	PCB 1016	 [ 0.50 U	   0.060 U	   0.060 U	1							
	PCB 1221	   0.50 U 	   0.060 U	   0.060 U 1			   	1 1 1	   1			
	PC8 1232	'   0.50 U 	0.060 U 	0.060 U			,   	•   	• • •			
	PCB 1242	0.50 U 	0.060 U	0.060.U 			 	 	1			
	PCB 1248	0.50 U 	0.060 U 	0.060 U			 	 	 			
	PCB 1254	0.50 U 	0.060 U 	0.060 U 			 	1 I	† †			
	PC8 1260	0.50 U 	0.060 U 	0.060 U 			 		 			
	Surrogate Standard Recovery						   *	   	ξ   			
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	102 	76 	70 			1	т [ 	   			

<sup>W</sup> Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ 1D# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. P.

Laboratory Director

-	General Testing Corporation Client: Mr. Ken Kota Malcolm Pirnie, Ind So. 3515 Abbott Roa Buffalo, NY 14219		Il Service Envir		R94/05009
		11			
		REFERE	NCE CHECK		
-	EPA METHOD 8080	TRUE    VALUE	X   RECOVERY	ACCEPTANCE	
-		                   	105	                                   	
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### MALCOLM PIRNIE, INC.

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3546	"4/ 	2210		~	SEFLUS	ent Ny	- 095 PLANE- 016	2	2						STANDARD DETECTION (INIT ANALYEE 2 JAMPLE FOR PEB'S JACOUT DETECT ON LIMIT ESPEC
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RELINO							EIVED BY (SIGN						IGNAT		
RELINO	JISHED	BY (SI	GNATUF	IE):		E RECI	EIVED FOR LABO	DRATORY BY	ц		/TIME		MARK	S	



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JAN. 11 1995

- Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219
  - Re: Columbus McKinnon
    - Dear Mr. Ken Kota
- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 12/20/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
  - Should you have any questions please contact me at 454-3760.
- Thank you for letting us provide this service.
  - Sincerely,

GENERAL TESTING CORPORATION

anum.

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
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   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

	General	$\sim$		A Full Service Environmental Laboratory							
-	Testing Va Corporati	on	J	LABORATORY REPORT Job No: R94/05054 Date: JAN. 11 1995							
	Client: Mr. Ken Kota					(s) Refer					
	Malcolm Pirni€ So. 3515 Abbot Buffalo, NY 14	t Road			Colur	nbus McKi	nnon				
	Received	:	12/19/9	4		P.O. #:					
	ANALYSIS * BY EP	PA METHO	D 8080	AN	ALYTICAL	RESULTS	- ug/l				
-		-001  INFLUENT  JAR 097	EFFLUENT	-003  LAB  BLANK		1	1				
	Date Collected:	12/16/94	•			,   	   				
		12/19/94  12/19/94  1	•	12/19/94  12/19/94  1 							
-	PCB 1016	   0.50 U	   0.060 U	   0.060 u		1	1	1			
	PCB 1221	0.50 U 	   0.060 U 	0.060 U 							
_	PC8 1232	0.50 U 	0.060 U	0.060 U 		i		i I			
-	PC8 1242	0.50 U 	0.060 U 	0.060 U 			ł				
	PCB 1248	0.50 U   	0.060 U 	0.060 U				1			
	PCB 1254	3.3	0.060 U     0.060 U	0.060 U     0.060 U		1	1				
-	PC <b>B</b> 1260	0.50 U   	0.060 U   	0.060 U     			1				
	Surrogate Standard Recovery	1   	* [ ]	\$   		1 1		1			
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	103 	77	76 		1 1 1	1	•   			

ur Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Per • ••• ••

Laboratory Director

General Testing Corporation Client: Mr. Ken Kota Malcolm Pirnie, Inc So. 3515 Abbott Roa Buffalo, NY 14219	· •	Il Service Envir	Onmental La Job No: Date:	boratory R94/05009 13 JAN., 1995
-		ICE CHECK	   	
	TRUE		ACCEPTA	
Date Analyzed: 12/16/94			       	
PCB 1232			8 - 1             	27

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Laboratory Director

## MALCOLM PIRNIE, INC.

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3	TATION	DATE	TIME	COMP.	GRAB		ION LOCATIO			Ň	۴ 					/		
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1	-002	k/ ha/ey	200		~	TRATION CN	- P4an	9B	2	2	-					ANALYZ	2 2 41	Sample For PCR'S DETECTION CIMT
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	······																. <u></u>	
F	ren au	ISHED	BYISH	CNATUR OC	RE).	DATE/TIME	RECEIVED BY	(SIGNATU		RELIN	iauisi	HEDI	BY (SI	GNAT	URE):	DATE	TIME:	RECEIVED BY (SIGNATURE)
┢	ELINQU					DATE/TIME	RECEIVED BY	ISIGNATU								DATE	TIME.	RECEIVED BY (SIGNATURE)
R	ELINQU	SHED	8Y (SI	GNATUF	RE):	DATE/TIME:	RECEIVED FOI SIGNATURE).	A LABORAT	ORY BY		0ATE/		-	ARKS	<b>)</b> :	_ <u>_</u>	1	1

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JAN. 11 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 12/21/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.
- Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

ana

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

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- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
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- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

	General W	5		A Full Service Environmental Laboratory								
	Testing Va Corporati	on	J	lop No: 1			DRY RE		1995			
-	Client: Mr. Ken Kota				Sample(s) Reference							
-	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road		Columbus McKinnon								
	Received	:	12/20/9	)4		P.O. #	:					
	ANALYSIS * BY EF	PA METHO	D 8080	AN	ALYTICAI	. RESULI	S - ug/	1				
	Sample:	•	-002	-003	1	l	l	l	1			
		INFLUENT	JAR 100	LAB  BLANK				1				
		12/19/94					1		1			
	Time Collected:	22:00	22:10				l	Î	l			
	Date Extracted:		12/20/94	12/20/94	38533558####### 		***************************************	*======================================	<b> </b>			
		-	12/21/94	12/21/94			l	, 				
	Dilution:	[1	11	11			1		1			
		1	1		1		1		1			
	PCB 1016	0.50 U	0.060 U	, 0.060 U			1		1			
	PCB 1221	   0.50 u	   0.060 U	   0.060 U	1 1		1	1	1			
-	FC0 (22)	0.50 0	1 0.000 0	0.000 0		-	 	1	 			
	PCB 1232	0.50 U	0.060 U	0.060 U	1		i	İ	I			
	PCB 1242	   0.50 U	   0.060 U	   0.060 U			1		1			
	FCD (242	0.50 0	0.080 0				1		ł 			
	PC8 1248	0.50 U	0.060 U	0.060 U			ĺ					
	PCB 1254	   2.1	 ]0.060 u	   0.060 U								
		=					1					
	PCB 1260	0.50 U	0.060 U	0.060 U			1					
		1	1	1			1 1		1			
	Surrogate Standard Recovery	l	i	i			l					
-			!_				1					
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	113 	75 	70 								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

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Laboratory Director



### LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219 Job No: R94/05009 Date: 13 JAN., 1995

· • • • • • • • • • • • • • • • • • • •	     REFERE!	ICE CHECK	
EPA METHOD 8080	TRUE	X RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted:12/15/94 Date Analyzed: 12/16/94		     	
PCB 1232	2.0	105	8 - 127
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CHAIN OF CUSTODY RECORD

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						SITE NAME: JUMBUS MCH, NAVON TON			1	Most			7	7	77		
	SAMPLERS (BIGNATURE)							NO. OF				/ /		/ ,			
	Michael VE							CON-							REMARKS		
	STATION NO.			COMP.	GRAB		TION LOCATION		/	<u> </u>				$\square$	[		
01	3600	· Z/44	2000		/	TREATMS	NT PANT DT 094	Z.	2						AUALYZE I SUMPLE FOR PEDIS STANDARD DETECTION LIMIT ANALYZE I SAMPLE FOR PEBS		
2	3601	1/1/4-4	2210		/	TREATMEN EFFLUEN	T 094 - Plant T 100	L	2						ANALYEL I SEMPLE FOR DEB'S		
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	RELINQUISHED BY (SIGNATURE): DATE/TIME: RECEIVED FOR LABORA (SIGNATURE): THE (SIGNATURE): T					ATORY BY		DATE	/TIME	REA	MARK	S:					
	Distribution Original accompanies shipment, cupy to coordinato/held (							eld liles	14	12/2/94/220			Via Cucje				

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JAN. 11 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 12/22/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.

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Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger  $\smile$ Customer Service Representative

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710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-5386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



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- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

LABORATORY REPORT Job No: R94/05087 Date: JAN. 11 1995 Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219 Received : 12/21/94 P.O. #: ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/1 Semple:  -001  -002  -003		General	5	A Full Service Environmental Laboratory								
Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219       Columbus McKinnon         Received       : 12/21/94       P.O. #:         ANALYSIS * BY EPA METHOD 8080       ANALYTICAL RESULTS - ug/l         Sample:       -001       -002       -003         Location:       IMFUENT [FFUENT IAS                         Date Collected:       112/21/94       12/21/94                 Date Collected:       112/21/94       12/21/94                 Date Extracted:       112/21/94       12/21/94                 Date Extracted:       112/21/94       12/21/94                 Date Extracted:       112/21/94       12/21/94                 PCB 1016       0.50 U       0.660 U       0.660 U                 PCB 1016       0.50 U       0.660 U                                 PCB 1221       0.50 U       0.660 U                                 PCB 1222       0.50 U       0.660 U   PCB 1232       0.50 U       0.660 U   PCB 1242       0.50 U       0.660 U			on									
Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219       Columbus McKinnon         Received       : 12/21/94       P.O. #:         ANALYSIS * BY EPA METHOD 8080       ANALYTICAL RESULTS - ug/l         Sample:       -001       -003                 Location:        WFUENT       LAB                         Date Collected:       12/21/94       !                         Date Collected:       12/21/94       !2/21/94                                 Date Collected:       12/21/94       !2/21/94   Date Extracted:       !2/21/94       !2/21/94       !2/21/94   Date Analyzed:       !2/21/94       !2/21/94       !2/21/94			Sample(s) Reference									
ANALYSIS * BY EPA METHOD 8080       ANALYTICAL RESULTS - ug/l         Sample:       1-001       -002       -003       1       1         Location:       INFLUENT       IFFLUENT       IAR       1       1         Date Collected:       112/20/94       12/20/94       I       1       1       1         Oate Extracted:       12/21/94       12/21/94       12/21/94       1       1       1       1         Date Analyzed:       12/21/94       12/21/94       12/21/94       1       1       1       1       1         Date Extracted:       12/21/94       12/21/94       12/21/94       1		Malcolm Pirnie So. 3515 Abbot	Columbus McKinnon									
Sample:       -001       -002       -003		Received	:	12/21/9	4		P.O. #	:				
Location: INFLUENT EFFLUENT LAB		ANALYSIS * BY EF	A METHO	D 8080	AN	ALYTICAL	RESULT	s - ug/	1			
Location: INFLUENT EFFLUENT LAB		Sample:	-001	1 -002	-003	1 1		I	1	1		
JAR 101       JAR 102		-	•	•	•	i i			1	1		
Time Collected:        22:00        22:10                                  Date Extracted:        12/21/94        12/21/94        12/21/94			JAR 101	JAR 102	BLANK				İ	İ		
Date Extracted:       12/21/94       12/21/94       12/21/94       1         Date Analyzed:       12/21/94       12/21/94       12/21/94       1       1         Dilution:       1       1       1       1       1       1       1         PCB 1016       0.50 U       0.060 U       0.060 U       1       1       1       1         PCB 1221       0.50 U       0.060 U       0.060 U       1       1       1       1         PCB 1232       0.50 U       0.060 U       0.060 U       1       1       1       1       1         PCB 1242       0.50 U       0.060 U       0.060 U       1		Date Collected:	12/20/94	12/20/94				l	1	Ì		
Date Analyzed:       12/21/94       12/21/94       12/21/94         Dilution:       1       1       1         PCB 1016       0.50 U       0.060 U       0.060 U         PCB 1221       0.50 U       0.060 U       0.060 U         PCB 1232       0.50 U       0.060 U       0.060 U         PCB 1232       0.50 U       0.060 U       0.060 U         PCB 1242       0.50 U       0.060 U       0.060 U         PCB 1242       0.50 U       0.060 U       0.060 U         PCB 1248       0.50 U       0.060 U       0.060 U         PCB 1248       0.50 U       0.060 U       0.060 U         PCB 1254       1.6       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.	-	Time Collected:	22:00	22:10		1 1		l	l	I		
Date Analyzed:       12/21/94       12/21/94       12/21/94         Dilution:       1       1       1         PCB 1016       0.50 U       0.060 U       0.060 U         PCB 1221       0.50 U       0.060 U       0.060 U         PCB 1232       0.50 U       0.060 U       0.060 U         PCB 1232       0.50 U       0.060 U       0.060 U         PCB 1242       0.50 U       0.060 U       0.060 U         PCB 1242       0.50 U       0.060 U       0.060 U         PCB 1248       0.50 U       0.060 U       0.060 U         PCB 1248       0.50 U       0.060 U       0.060 U         PCB 1254       1.6       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.			**********		22222222222222   40 /04 /0/		************	#김규고고구부규도부동당; 	************	************		
Dilution:       1       1       1       1         PCB 1016       0.50 U       0.060 U       0.060 U       0         PCB 1221       0.50 U       0.060 U       0.060 U       0         PCB 1232       0.50 U       0.060 U       0.060 U       0         PCB 1242       0.50 U       0.060 U       0.060 U       0         PCB 1242       0.50 U       0.060 U       0.060 U       0         PCB 1242       0.50 U       0.060 U       0.060 U       0         PCB 1248       0.50 U       0.060 U       0.060 U       0         PCB 1254       1.6       0.060 U       0.060 U       0         PCB 1260       0.50 U       0.060 U       0.060 U       0         Surrogate Standard Recovery       104       79       61       1			•	•	•				1	1		
PCB 1016       0.50 U       0.060 U       0.060 U         PCB 1221       0.50 U       0.060 U       0.060 U         PCB 1232       0.50 U       0.060 U       0.060 U         PCB 1242       0.50 U       0.060 U       0.060 U         PCB 1242       0.50 U       0.060 U       0.060 U         PCB 1248       0.50 U       0.060 U       0.060 U         PCB 1248       0.50 U       0.060 U       0.060 U         PCB 1254       1.6       0.060 U       0.060 U         PCB 1256       0.50 U       0.060 U       0.060 U         PCB 1254       1.6       0.060 U       0.060 U         PCB 1254       1.6       0.060 U       0.060 U         PCB 1250       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.660 U       0.660 U         PCB 1260       0.50 U       0.660 U       0.660 U         PCB 1260       0.	-		112/21/74		12/21/94			1	1	1		
PCB 1221       0.50 U       0.060 U       0.060 U       0.060 U         PCB 1232       0.50 U       0.060 U       0.060 U       0.060 U         PCB 1242       0.50 U       0.060 U       0.060 U       0.060 U         PCB 1248       0.50 U       0.060 U       0.060 U       0.060 U         PCB 1248       0.50 U       0.060 U       0.060 U       0.060 U         PCB 1254       1.6       0.060 U       0.060 U       0.060 U         PCB 1254       0.50 U       0.060 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U       0.060 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U       0.060 U       0.060 U       0.060 U         PCB 1260       0.0			; · 	1	1' 			1	) 1	1		
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PCB 1232       0.50 U       0.060 U       0.060 U       0.060 U         PCB 1242       0.50 U       0.060 U       0.060 U       0         PCB 1248       0.50 U       0.060 U       0.060 U       0         PCB 1254       1.6       0.060 U       0.060 U       0         PCB 1254       0.50 U       0.060 U       0.060 U       0         PCB 1260       0.50 U       0.060 U       0.060 U       0         Surrogate Standard Recovery       104       79       61       1			l	1	1	1 1		ĺ	ĺ	ĺ		
PCB 1242       0.50 U       0.060 U       0.060 U         PCB 1248       0.50 U       0.060 U       0.060 U         PCB 1254       1.6       0.060 U       0.060 U         PCB 1250       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         Surrogate Standard Recovery       104       79       61		PCB 1221	0.50 U	0.060 U	0.060 U				1	1		
PCB 1242       0.50 U       0.060 U       0.060 U         PCB 1248       0.50 U       0.060 U       0.060 U         PCB 1254       1.6       0.060 U       0.060 U         PCB 1250       0.50 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         Surrogate Standard Recovery       104       79       61	-		1	1	l				l	1		
PCB 1248       0.50 U       0.060 U       0.060 U         PCB 1254       1.6       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         Surrogate Standard Recovery       0.060 U       0.060 U       0.060 U         Tetrachloro-meta-xylene       104       79       61       0.000 U		PCB 1232	0.50 U	0.060 U	0.060 U					1		
PCB 1248       0.50 U       0.060 U       0.060 U         PCB 1254       1.6       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U         Surrogate Standard Recovery       0.060 U       0.060 U       0.060 U         Tetrachloro-meta-xylene       104       79       61       0.000 U		DCB 12/2	   0 50 ···						1	1		
PCB 1254       1.6       0.060 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U       0.060 U         Surrogate Standard Recovery       1       1       1         Tetrachloro-meta-xylene       104       79       61       1		PC8 1242	1 0.50 0						1	1		
PCB 1254       1.6       0.060 U       0.060 U       0.060 U         PCB 1260       0.50 U       0.060 U       0.060 U       0.060 U         Surrogate Standard Recovery       1       1       1         Tetrachloro-meta-xylene       104       79       61       1		PCB 1248	เ I 0.50 ม	I 0.060 U	i i 0.060 u	· ·			1	1		
PCB 1260       0.50 U       0.060 U       0.060 U         Surrogate Standard Recovery       Image: Standard Recovery       Image: Standard Recovery         Tetrachloro-meta-xylene       104       79       61       Image: Standard Recovery				1	1				1	1		
Surrogate Standard Recovery	-	PCB 1254	1.6	0.060 U	0.060 U	i i		Ì	Ì	1		
Surrogate Standard Recovery			I	1	1				l	l		
Tetrachloro-meta-xylene   104   79   61		PCB 1260	0.50 U	0.060 U	0.060 U	l		l	I	1		
Tetrachloro-meta-xylene   104   79   61			1		1				1	l		
ietrachtoro-meta-xyteme i 104 i / y i oi i i i i i i i		Surrogate Standard Recovery			1				 			
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			•	79 	61	 			1	1		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Manuel : , c.



## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219 Job No: R94/05009 Date: 13 JAN., 1995

	   	ICE CHECK	   
EPA METHOD 8080	TRUE VALUE	X   RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted:12/15/94   Date Analyzed: 12/16/94			
- PC8 1232	2.0	105	8 - 127         

Laboratory Director

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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

	1332- IAMPLER	ATION DATE TIME COMP. GRAB STATION LOCATION							There are a series		J.	//	7	7	REMARKS
					GRAB	I			<i>,</i> , ,	<b>Ž</b>	/				/
2	3643	12/2/94	2700		~	TACAT MEN INFLUER	T ANNT T 101 NT PLANT	2	z						AURLYZE I SUMPLE FOR PCB'S SANDARD DETELTION LIMIT
2	3644	12/20	0155		~	Treatme EFFLNEN	NT PLANT 102	2	z						STANDARIS DETELTION LIMIT ANALYEE 2 SAMPLE FOR PCB'S TARGET DETELTION LIMIT 65 ADT
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JAN. 11 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 12/23/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

andna NIR

Janice Jaeger  $\bigcirc$ Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA+CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
   (Flag the entire batch Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- $\chi$  As specified in the case narrative.

	General	•		A Full Service Environmental Laboratory									
	Testing V Corporation	n		Job No: I	LABOF		YREP Date: J	ORT	1995				
	Client: Mr. Ken Kota				Sample(								
	<b>Ma</b> lcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colum	abus Mc	Kinnon						
	RECEIVED	:	12/22/9	94		P.O. #	:						
	ANALYSIS * BY EF	PA METHO	D 8080	ANZ	LYTICAL	RESULT	s - UG/	L					
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		INFLUENT	JAR 104	LAB  Blank									
		12/21/94	-		i i	ĺ							
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	Date Extracted:	12/22/94	12/22/94	12/22/94			========================						
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	PCB 1016	0.50 U	0.060 U	0.060 U									
	PCB 1221	   0.50 U 	   0.060 U 	   0.060 U									
	PCB 1232	0.50 U	0.060 U	0.060 U									
	PCB 1242	   0.50 U 	   0.060 U 	0.060 U									
	PCB 1248	0.50 U	0.060 U	0.060 U	Í	I							
	PCB 1254	   0.55 	   0.060 U 	0.060 U		1							
-	PCB 1260	0.50 U	0.060 U	0.060 U		i							
	Surrogate Standard Recovery		[ [ ]			1							
فی	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	105	77	71									

<sup>#</sup> Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY 1D# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Per

Laboratory Director

-	General Testing
	Testing V
	Corporation

## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219 Job No: R94/05009 Date: 13 JAN., 1995

•••	         REFERE	NCE CHECK	    
EPA METHOD 8080	TRUE	X RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted:12/15/94 Date Analyzed: 12/16/94 PCB 1232	       2.0    	105	       8 - 127          
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Laboratory Director

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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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8744	14gu	ZIU		X		- 104	2	S						ANDLYEC & SAMPLE FOR PCB'S STANDED DETECTION LIDIT 65 PT
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JAN. 11 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 12/28/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.
- Thank you for letting us provide this service.
  - Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger Customer Service Representative

Enc.



Effective 10/1/91

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(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
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- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

General W	5		A Full Service Environmental Laboratory								
Corporati	on		Job No:					1995			
Client: Mr. Ken Kota				Sample	e(s) Refe	erence					
So. 3515 Abbot	t Road			Colu	umbus McI	Kinnon					
Received	:	12/22/	94		P.O. #:	:					
ANALYSIS * BY EF	A METHO	D 8080	A	NALYTICAI	L RESULTS	5 - ug/	1				
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	•	12/27/94  12/27/94  1	12/27/94  12/27/94  1	1 1 1			**********				
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PCB 1248	0.50 U	0.060 U	0.060 U			,   		*   			
PCB 1254	0.50 U	0.060 U	0.060 U			1		F 1 1			
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Surrogate Standard Recovery Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	92	     95	     99					     			
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NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

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Laboratory Director

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Laboratory Director

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## MALCOLM PIRNIE, INC.

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- JAN. 11 1995
- Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219
  - Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 12/29/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.
  - Should you have any questions please contact me at 454-3760.
- Thank you for letting us provide this service.
  - Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger U Customer Service Representative

Enc.



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range and reanalysis could not be performed.
- A This flag indicates that a TIC is a suspected aldolcondensation product.
- N Spiked sample recovery not within control limits.
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  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
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- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

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Laboratory Director

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JAN. 6 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 12/30/94 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

ENDIY

Janice Jaeger U Customer Service Representative

Enc.



Effective 10/1/91

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#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
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	Surrogate Standard Recovery Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	     98 	     75 	     78 			   	   	     

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Milal K. P. Laboratory Dector

-	General Testing Corporation	A Ful	I Service Envir	onmental Lab	oratory
	CITENC.			Job No:	R94/05140
-	Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road			Date:	10 JAN., 1995
-	Buffalo, NY 14219				
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Michael K. Person

Laboratory Director

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JAN. 11 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 1/03/95 per a Facsimile transmittal. All data has been reviewed prior to report submission.
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Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

aniem

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

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- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R94/05270

### PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recovery for Tetrachloro-m-xylene (TCMX) was outside of advisory QC limits for the Effluent and the recovery has been flagged with an "\*".

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

No other analytical or QC problems were encountered with this analysis.

	General W	5		A Fu	II Servi	ce Envi	ronmer	ntal Lab	oratory
-	Testing V Corporati	ion	J	ob No: 1			DRY RE Date: J	PORT	1995
-	Client: Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot					e(s) Ref Imbus Mc			
-	Buffalo, NY 14 Received		12/30/9	4		P.O. #	•		
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-	PCB 1254	   0.60 	   0.060 U 	   0.060 U				   	₽ ₽ ₽
	PCB 1260	0.50 U 	0.060 U 	0.060 U					 
	Surrogate Standard Recovery	   	[ 				 	1	   
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   146 	46*	   84 		   		ŧ   	1   

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NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317 NY ID# in Hackensack: 10801

Mill K. Per aí Y

Laboratory Director



## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219 Job No: R94/05140 Date: 10 JAN., 1995

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	REFEREN		
EPA METHOD 8080	TRUE   VALUE	X RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 12/27/94   Date Analyzed: 12/27/94	     		     
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Laboratory Director

# 9412000444

# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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JAN. 11 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

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Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

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-	General W	5		A Fu	II Servi	ce Envi	ronmer	ntal Lab	oratory
	Testing Va Corporati	ion	J	ob No: 1	LAE R95/0001		DRY RE Date: J	PORT	1995
-	Client: Mr. Ken Kota Malcolm Pirnie				-	e(s) Ref			
-	So. 3515 Abbot Buffalo, NY 14								
	Received	:	1/03/95			P.O. #	:		
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	PCB 1260	   0.50 U 	  0.060 U 	   0.060 U 					
	Surrogate Standard Recovery	1						1	
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   82 	   63 	   <b>66</b> 	     		   		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Minaul K. Person Laborator Director

General Testing Corporation Client: Mr. Ken Kota Malcolm Pirnie, Ir So. 3515 Abbott Ro Buffalo, NY 14219	<b>1</b>	ull Service Envi	ronmental Laboratory Job No: R95/00013 Date: 13 JAN., 1995
-	       DEFEDE	NCE CHECK	
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Michael F. P

Laboratory Director

# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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JAN. 11 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

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Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

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Effective 10/1/91

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	General Testing			A Full S	Service E	invironm	iental La	borator	Ý			
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-	Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot	tt Road		Columbus McKinnon								
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	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   94 	   79 	   79 			   	! 	   			

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Laboratory Director



## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219 Job No: R95/00013 Date: 13 JAN., 1995

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Date Extracted: 01/04/95 Date Analyzed: 01/04/95	     		       
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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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JAN. 11 1995

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Janice Jaeger Customer Service Representative

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Effective 10/1/91

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- X As specified in the case narrative.

	General Testing	$\triangleright$		A Full S	Service Env	vironmental	Laborato	ry
	Corpora	tion	J	ob No:	R95/00030	Date	: JAN. 11	1995
	Client:				Sample(	s) Referen	ce	
	Mr. Ken Kota Malcolm Pirnio So. 3515 Abbo Buffalo, NY 10	tt Road			Colum	bus McKinne	on	
_	Received	:	1/05/95	5		P.O. #:		
	ANALYSIS * BY E	PA METH	0808 DC	AN	ALYTICAL	RESULTS - 1	ug/l	
	Sample:	-001	-002	-003	і I	1	I I	1
	Location:	INFLUENT	EFFLUENT	LAB	i i	ľ	1	
		JAR 117	JAR 118	BLANK	i i	Ì	i	
	Date Collected:	01/04/95	01/04/95		1	1	I	ł
	Time Collected:	21:00	21:10		1	1	I	1
1	Date Extracted:	01/05/95	01/05/ <b>95</b>	01/05/ <b>9</b> 5	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	====================== ;	**===****=====::	:22222222222222 I
	Date Analyzed:	01/05/95	01/05/95	01/05/95		1	1	1
	Dilution:	11	11	11		1	· I	
		Ì	i			*	1	
	PCB 1016	0.50 U	   0.060 U	   0.060 U			I I	i I
	PC8 1221	0.50 U	0.060 U	   0.060 U		8		
	PC8 1232	   0.50 U 	   0.060 U 	0.060 U		ł		
-	PCB 1242	0.50 U	0.060 U	່ 0.060 ປ			1	
	PCB 1248	0.50 U	0.060 U	່ວ.060 ປ 			 	
	PCB 1254	0.50 U 	0.060 U	0.060 ປ 				
	PCB 1260	0.50 U	0.060 U 	0.060 U			l	
	Surrogate Standard Recovery		1	1		ľ		
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   111 	   88 	   63 				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331 NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Minine F. P.

General Testing Client: Mr. Ken Kota Malcolm Pirnie, Inc So. 3515 Abbott Road Buffalo, NY 14219	•	III Service Envir	Job No: R95/00013 Date: 13 JAN., 1995
-	Ì		
EPA METHOD 8080		X   RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 01/04/95   Date Analyzed: 01/04/95	1	       130	       39 - 150
-	   		   

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PROJECT 1332 SAMPLE	2-01				SITE NAME:	Mikwo	ON TON.	NO. OF CON- TAINERS	L.			Τ	Τ	T 	//		REM	ARKS	
STATION NO.	DATE	TIME	COMP.	GRAB	STA	TION LOC	ATION		1/18	*/	/ /			/	/				
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JAN. 16 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 1/09/95 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.
- \_\_\_\_ Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Rhue Mi

Janice Jaeger  $\lor$ Customer Service Representative

Enc.



Effective 10/1/91

### GTC LIST OF OUALIFIERS

- U Indicates compound was analyzed for but was not detected.
   The sample quantitation limit must be corrected for dilution and for percent moisture.
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- $\chi$  As specified in the case narrative.

	General	5		A Fu	III Servic	e Envi	ronmei	ntal Lat	oratory
	lesting V				LAB	ORATO		EPORT	
	Testing V Corporati	on	:	Job No:	R95/0004	7	Date: J	AN. 16	1995
	Client:				Sample	(s) Ref	erence		
	Mr. Ken Kota Malcolm Pirni So. 3515 Abbo Buffalo, NY 14	t Road			Colu	mbus Mc	Kinnon		
	Received		1/06/95	5		P.O. #	•		
	ANALYSIS * BY EI							/ <b>1</b>	
			08080		ALYTICAL	RESULT	s - ug/	T	
	Sample: Location:	-001  INFLUENT	-002  EFFLUENT	-003  LAB		1		+ 1	
-		JAR 119	JAR 120	BLANK	i i	i		i	
	Date Collected: Time Collected:	01/05/95  24:00	01/05/95  24:00	 		1		1	1
-	Date Extracted:	01/06/94	01/06/94	01/06/94	***************************************		*********	=======   	######################################
	Date Analyzed: Dilution:	01/06/94	01/06/94  1	01/06/94  1		l		1	Ì
		1	1		1 1 	l		1	1
-	PCB 1016	   0.50 U 	   0.060 U 	0.060 U				1	1
	PCB 1221	0.50 U	0.060 U	0.060 U	į į	ļ		1	1
-	PC8 1232	0.50 U	   0.060 U	   0.060 U		l			
	PCB 1242	0.50 ປ	0.060 U	0.060 U					
	PCB 1248	   0.50 U	0.060 U	0.060 U					
	PCB 1254	0.50 U	0.060 U	0.060 U				1	
	PCB 1260	I   0.50 U	0.060 U	0.060 U					
	Surrogate Standard Recovery	   		1 1				1 1 1	   
فتتتقي	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   107 	   80 	   83 	     	1		   	ł 1 1
	Unless otherwise noted, enalyt	ical methodo	logy has bee	n obtained f	rom references	as cited i	n 40 CFR, p	erts #136 &	#261.

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ 1D# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. P.

Laboratory Director



Mr. Ken Kota

Malcolm Pirnie, Inc.

So. 3515 Abbott Road Buffalo, NY 14219 A Full Service Environmental Laboratory

## LABORATORY REPORT

Job No: R95/00013 Date: 13 JAN., 1995

	       REFEREI	NCE CHECK     	   
EPA METHOD 8080	    TRUE    VALUE	X RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 01/04/95 Date Analyzed: 01/04/95	          		       
PCB 1242	2.0    	130	39 - 150 1
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_			1

Laboratory Director

895	00	47		720	N 0000	54															
MA	LC	OL	<b>.</b> M	PIR	NIE,	INC	• •				<u> </u>					СН/	AIN C	)F Cl	USTOD	Y RECO	ORD
PROJECT 1332- BAMPLER	<u>01-0</u> s (sig	NATUR			SITE NAME:		CKILING	10-100.	OF CON.		rai (	, and the second s		7	7				EMARKS		
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RELINGUI	ennet Kota 1-6-95 0935 Celloral						-				DBY (SIGNATURE): DATE/TIME RECEIVED										
	NOUISHED BY (SIGNATURE): DATE/TIME: RECEIVED BY (SIGN						(SIGNATU	ATURE). RELINQUISHED BY (SIGNATUR)						RE):	DATE	TIME.	REC	EIVED BY	(SIGNAT	URE	
RELINQUI	NQUISHED BY (SIGNATURE): DATE/TIME: RECEIVED FOR LAB								TORY BY			TIME	REM	ARKS		•		<b>^</b>			



JAN. 25 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 01/10/95 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Jamice Jacque 1 kB

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-5386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

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- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

-	General	5		A Fu	II Service	e Envi	ronmer	ntal Lab	oratory
يقتله	Testing V Corporati	ion	J	'ob No: I	LABC 895/00063		DRY RE	PORT	1995
-	Client: Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Sample(s Columb		erence Kinnon		
	Received	:	01/09/9	5	1	P.O. #	:		
Minim	ANALYSIS * BY EF	PA METHO	D 8080	AN	ALYTICAL I	RESULT	s - ug/	1	
	Sample:	-001	-002	-003		I		1	l
		•	EFFLUENT	LAB  BLANK					
		•	01/06/95	 				1	• 
-	Time Collected:	22:00	22:10					ŧ	I
	Date Extracted:	01/09/94	01/09/94	01/09/94		**********		   	1232222222   
		01/09/94	01/09/94	01/09/94	i i	Í		İ	I
	Dilution:	1	1	1					1
	PCB 1016	   0.50 U	0.060 U	   0.060 U					
	PCB 1221	   0.50 U	   0.060 U	   0.060 U		1			
	PCB 1232	   0.50 U 	   0.060 U	   0.060 U				1	 
	PCB 1242	0.50 U	0.060 U	0.060 U				1	1
	PC8 1248	   0.50 U 	   0.060 U 	   0.060 U				   	   
	PCB 1254	0.52	0.060 U	0.060 U					
	PCB 1260	   0.50 U 	   0.060 U 	0.060 U				   	
-	Surrogate Standard Recovery	 		1		i		1	 
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   96 	84	85 					   

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ 10# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. Tanon



## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Job No: R95/00013 Date: 13 JAN., 1995

				REFERENCE CHE		
			     • • • • • • • • • • • •	REFERENCE CAR		FI 
	EPA METHOD 8	3080	TRUE	•	x	ACCEPTANCE
			II VALUE	E	RECOVERY	LINITS (X)
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## MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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PROJECT					SITE NAME:					1	1	1	7					
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			Datat				u coordinator lield	<u> </u>	נעע		123	4						



JAN. 25 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

- Re: Columbus McKinnon
- Dear Mr. Ken Kota
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Janice Jaeger V Customer Service Representative

Enc.

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Effective 10/1/91

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-	General W	5		A Fu	III Servic	e Enviro	nmental L	aboratory
-	Testing V Corporati	ion	J	lob No: 1	LAB( R95/00075		Y REPOR	
	Client: Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot					s) Refer bus McKi		
	Buffalo, NY 14 Received	219	01/10/9	95		P.O. #:		
-	ANALYSIS * BY EF	PA METHO	D 8080	AN	ALYTICAL	RESULTS	- ug/l	
		INFLUENT	-002  EFFLUENT  124	-003  LAB  BLANK		1	1	
		01/09/95  22:00	01/09/95  22:10	 			 	
	Date Extracted:	01/10/95  01/10/95  1 	01/10/95  01/10/95  1 	01/10/95  01/10/95  1 		     	   	     
	PCB 1016	   0.50 U 	   0.060 U 	   0.060 U 			1	
	PC8 1221	0.50 U 	0.060 U	0.060 U 				1
-	PCB 1232	0.50 U 	0.060 U	0.060 U 			1	
	PCB 1242 PCB 1248	0.50 U     0.50 U	0.060 U     0.060 U	0.060 U     0.060 U			1	
-	PCB 1254	   0.50 U	0.060 U	   0.060 U				I I
	PCB 1260	   0.50 U 	   0.060 U 	   0.060 U 				
	Surrogate Standard Recovery	;     	 	с 				
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	109 	76 	68				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

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## LABORATORY REPORT

Client: Job No: R95/00013 Mr. Ken Kota Malcolm Pirnie, Inc. Date: 13 JAN., 1995 So. 3515 Abbott Road Buffalo, NY 14219

	   REFERE)	ICE CHECK	
EPA METHOD 8080	TRUE VALUE	X RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 01/04/95 Date Analyzed: 01/04/95			
PCB 1242	2.0	130	39 - 150 
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# MALCOLM PIRNIE, INC.

CHAIN OF CUSTODY RECORD

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JAN. 25 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus Mckinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 01/12/95 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger 1/13

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

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- S Reported value determined by Method of Standard Additions. (MSA)
- $\chi$  As specified in the case narrative.

	General Testing Corporati	5		A Fu	III Servi	ce Envi	ronmer	ntal Lab	oratory
	Testing V					RORAT		PORT	
	Corporati	ion	C	lop No:	R95/0009		Date: J		1995
	Client:				Sample	(s) Ref	erence		
	Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	mbus Mc	kinnon		
	Received	:	01/11/9	95		P.O. #	:		
-	ANALYSIS * BY EP	PA METHO	DD 8080	AN.	ALYTICAL	RESULI	'S - ug/	1	
	Sample:	-001	-002	-003			1	I	1
		-	EFFLUENT	•	1		l	1	1
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-	PCB 1016	0.50 U	0.060 U	0.060 U			1		i
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-	PCB 1232	1 0.50 U	0.060 U	0.060 U			1   		
	PCB 1242	0.50 U	0.060 U	1 0.060 U			9 9 1	   1	
	PC8 1248	0.50 U	0.060 U	0.060 U			•   	•   1	
-	PCB 1254	0.50 U	0.060 U	0.060 U			1	1   	1
	PC8 1260	0.50 U	0.060 U	0.060 U			• † •	•   	•   
	Surrogate Standard Recovery	-   	   	1 1 1				• • •	   
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   101 	   75 	73	1 1 1		• • •	• • •	1 1

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Par

Laboratory Director



Mr. Ken Kota

Malcolm Pirnie, Inc.

So. 3515 Abbott Road Buffalo, NY 14219 A Full Service Environmental Laboratory

## LABORATORY REPORT

Job No: R95/00013 Date: 13 JAN., 1995

-	         REFERE!	NCE CHECK	   
EPA NETHOD 8080	    TRUE    VALUE	X   RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 01/04/95 Date Analyzed: 01/04/95	-      	   	   
	       2.0	     130	   39 - 150
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## CHAIN OF CUSTODY RECORD

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JAN. 25 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

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Janice Jaeger Customer Service Representative

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	General W	5		A Full Service Environmental Laboratory									
	Testing 🗸	/		LABORATORY REPORT									
-	Corporati	ion	3	lop No:	R95/0011		Date: J.		1995				
	Client: Mr. Ken Kota				Sample	(s) Ref	erence						
	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	mbus Mc	Kinnon						
	Received	:	01/12/9	95		P.O. #	:						
-	ANALYSIS * BY EF	A METHO	D 8080	AN	ALYTICAL	RESULT	s – ug/	1					
	Sample:	-001	-002	-003	1 1			•	l				
-		•		•									
		127  01/11/95	128  01/11/95	BLANK 									
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-	PCB 1016	0.50 U 	0.060 U 	0.060 U 									
	PCB 1221	0.50 U	0.060 U	0.060 U	i i				r 				
	PCB 1232	   0.50 U	   0.060 U	   0.060 U					} 				
	PCB 1242	   0.50 U	   0.060 U	   0.060 U									
	PCB 1248	0.50 U	0.060 U	0.060 U									
	PCB 1254	0.50 U	0.060 U	0.060 U									
	PCB 1260	   0.50 U	0.060 U	   0.060 U									
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	Surrogate Standard Recovery	l	i	l					 				
	Tetrachloro-meta-xylene	   97	74	   65					1				
	(Acceptance Limits: 60-150%)	•											

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NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

₩₩ NY ID# in Hackensack: 10801

Michael & Part

Laboratory Director



## LABORATORY REPORT

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REFERENCE CHECK

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RECOVERY

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Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

EPA METHOD 8080

Date Extracted: 01/12/95

Date Analyzed: 01/12/95

PCB 1248

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Job No: R95/00111 Date: 25 JAN., 1995

ACCEPTANCE

LIMITS (%)

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CHAIN OF CUSTODY RECORD

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Distribution. Original accompanies shipment, cupy to coordinator field files



JAN. 25 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

- Re: Columbus McKinnon
- Dear Mr. Ken Kota
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\_ GENERAL TESTING CORPORATION

Janj .ce Jaegei

Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



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	General W	5	A Full Service Environmental Laboratory								
	Testing 🗸				LAB	ORATO	RY RE	PORT			
	Corporati	on	J	ob No:	R95/00137	7 5	ate: J	AN. 25 1	1995		
	Client:				Sample	(s) Refe	rence				
	Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road	Columbus McKinnon								
	Received	:	01/13/9	5		P.O. #:					
-	ANALYSIS * BY EP	A METHO	D 8080	AN	ALYTICAL	RESULTS	<b>- ug/</b>	1			
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-	Date Extracted:	01/13/95	01/13/95	01/13/95		:============== 	========================= 	**************	**********		
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	Surrogate Standard Recovery	1	l	1		1					
	Tetrachloro-meta-xylene	   95	   65	74		1					
	(Acceptance Limits: 60-150%)	•			i i	i	i				

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NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

.mm NY ID# in Hackensack: 10801

Michael F. Par



## LABORATORY REPORT

Client: Job No: R95/00111 Mr. Ken Kota Malcolm Pirnie, Inc. Date: 25 JAN., 1995 So. 3515 Abbott Road Buffalo, NY 14219

-		1	1
	REFEREI	ICE CHECK	1
EPA METHOD 8080	TRUE    VALUE	X   RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 01/12/95 Date Analyzed: 01/12/95			
PCB 1248		90	38 - 158       

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# MALCOLM PIRNIE, INC.

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### CHAIN OF CUSTODY RECORD

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PROJECT	NO.:				SITE NAME:	14	1.	T		-7	J	7	7	7	11
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JAN. 25 1995

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Effective 10/1/91

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	General W	5		A Fu	ull Servi	ce Envi	ronmei	ntal Lab	oratory
	Testing V				LAE	BORAT		PORT	
-	Corporati	ion	J	ob No:	R95/0015			AN. 25	1995
	Client:				Sample	e(s) Ref	erence		
	Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	imbus Mc	Kinnon		
	Received	:	01/16/9	5		P.O. #	:		
-	ANALYSIS * BY EF	A METHO	0808 D	AN	ALYTICAI	RESULT	'S - ug/	1	
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	Time Collected:	22:00	22:00		l		l	1	1
-	Date Extracted:	01/16/95	01/16/95	01/16/95				======================================	=======================================
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	Dilution:	1 	1	1					
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	PCB 1221	0.50 U 	0.060 U 	0.060 U 	1		 	1	
-	PCB 1232	0.50 U	0.060 U	0.060 U			r 		 
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	PCB 1242	0.50 U 	0.060 U	0.060 U					
	PCB 1248	0.50 U	0.060 U	0.060 U					
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		- 	!				l	l	
	Surrogate Standard Recovery		 	2 2 4				}	
	Tetrachloro-meta-xylene	104	65	54*	I		I		
	(Acceptance Limits: 60-150%)	1		I	I I		I	1	1

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

www.NY ID# in Hackensack: 10801

Laboratory Director

é.



## LABORATORY REPORT

Client: Job No: R95/00111 Mr. Ken Kota Malcolm Pirnie, Inc. Date: 25 JAN., 1995 So. 3515 Abbott Road Buffalo, NY 14219

-		    	REFERENCE CHECK	    	
-	EPA METHOD 8080	TRL    VALL	•		CCEPTANCE IMITS (%)
-	Date Extracted: 01/12/95 Date Analyzed: 01/12/95				
	PCB 1248	2.0    	90		38 - 158
		11 []	1		

Laboratory Director

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	SAMPLER	2-0 15 51G	NATUR	re);	Aa			Kinnon	NO. OF CON- TAINERS			J.	7	7	7			RI	MARK	5	
- 1	NO. 1720	17			GNA8	Treatment	ATION LOC I Plant	131	2	2				<u> </u>	/	Analyze	1 50	mple	for	PC <b>B</b> 's, !	JUPS
72		13			X	Treatmen	f Plant Vent	132	2	2	-					Analyze Standar Analyze Target	1 sa Detec	mple	for Lins	VCBS it6	SPPT
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Ì	RELINOU							D BY (SIGNATU		RELI	QUIS	HED E	BY (SIC	SNATI	URE):					(SIGNAT	
ļ	RELINQU	SHED	8Y (SIC				ISIGNAT	D FOR LABORA URE): //+///	Jaulia			TIME: 1230		ARKS		<b>.</b>					



JAN. 25 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 01/18/95 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

brice Jaeque 1/18

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-5386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

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- $\chi$  As specified in the case narrative.

	General W	5		A Fu	II Servic	e Environm	nental L	aboratory.
	Testing 🗸	/			LABO	ORATORY	REPOE	ат
-	Corporati	ion	J	ob No: H	295/00176		JAN. 2	
	Client:				Sample(	s) Referenc	e	
-	Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colum	bus McKinnc	n .	
	Received	:	01/17/9	5		P.O. #:		
-	ANALYSIS * BY EF	PA METHO	D 8080	ANZ	LYTICAL	RESULTS - u	ıg/l	
		-	•	-003		I	1	I
		INFLUENT	•	LAB   BLANK		l	ļ	l
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	Date Extracted:	101/17/ <b>95</b>	  01/17/95	01/17/95	= = = = = = = = = = = = = = = = = = =	· * * * * * * * * * * * * * * * * * * *	======================================	**************************************
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	PCB 1221	I   0.50 U	0.060 U	l 0.060 U			1	
-	PC8 1232	   0.50 U	   0.060 U	   0.060 U		1	1	
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	PCB 1242	0.50 U 	0.060 U	0.060 U		1	1	ł
	PCB 1248	0.50 U	1 0.060 U	0.060 U		I	1	1
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-	FUB 1234	1 0.50 0				1		1
	PCB 1260	0.50 U	0.060 U	0.060 U	l I	i	i	i
		1		1				l
	Surrogate Standard Recovery		•					
	Tetrachloro-meta-xylene	   121	   110	   79		1		1
	(Acceptance Limits: 60-150%)	•	I	i i	i	i	i	i

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145 NJ 1D# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Pur Laboratory Director



Mr. Ken Kota

Malcolm Pirnie, Inc.

So. 3515 Abbott Road Buffalo, NY 14219 A Full Service Environmental Laboratory

## LABORATORY REPORT

Job No: R95/00111

Date: 25 JAN., 1995

-			
	REFEREI	ICE CHECK	
EPA METHOD 8080	TRUE   VALUE	X   RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 01/12/95 Date Analyzed: 01/12/95		     	
PC8 1248	2.0	90	   38 - 158 
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K. Parz

Laboratory Director

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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

PROJECT					SITE NAME:			1	1		<u> </u>				/ /
	01	-4			Clumbus 1	Ackinson	Tow			10					
SAMPLER	8 (51G	NATUR		2_				NO. OF CON- TAINERS			1	/ /	/ /	/ /	REMARKS
STATION NO.	DATE	HME	COMP.	GRAB				IAIRENS	$\int \gamma$	trat we					/
4792	1/45	2200		K	Treatme LNGLUEA	NT AGNT	- 13	2	2						ANALYZE I SUMPLE FOR ACB'S STANDARD DITELSION CIMIT
4793	. / /			ĸ	TRATMON	Plunt T	134	2	z						STANDARD DITECTION LIMIT ANALYZE & SOMPLE FOR PCB'S TARGET DITECTION LIMIT ESPORT
						-									
RELINQUI	SHED	BY ISIC	GNATUP	RE):	DATE/TIME	RECEIVED B	Y ISIGNATU	RE):	RELI	vauis (1	TOC	BY (SI	IGNAT	URE):	DATE/TIME RECEIVED BY (SIGNATURE)
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RELINQUI	SHED	BY (SIC	GNATUR	1E):	DATE/TIME	RECEIVED FC (SIGNATURE)	A LABORAT	ORY BY	1/17				MARK	<b>S</b> .	



JAN. 25 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 01/19/95 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.
- Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger 1KB

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

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- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

	General W	>		AF	ull Service I	Environi	mental	Laboratory
	Testing 🗸	/			LABOF	RATORY		RT
	Corporati			Job No:	R95/00192			
	Client: Mr. Ken Kota				Sample(s)	Referen	nce	
	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Columbu	s McKinn	ion	
	Received	:	01/18/	95	P.	0. #:		
	ANALYSIS * BY EP	PA METHO	DD 8080	AN AN	ALYTICAL RE	SULTS -	ug/l	
	Sample:	-001	-002	-003		1	I	1
	Location:	INFLUENT	JAR 136	LAB  BLANK				
	Date Collected:	01/17/95	-	•	i i		I	I
	Time Collected:	22:00	22:10	[]				
	Date Extracted:	01/18/95	01/18/95	01/18/95				
		01/18/95	01/18/95	01/18/95		1	Ì	1
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	PCB 1221	0.50 U	0.060 U	0.060 U			l	1
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	PCB 1248	0.50 U 	0.060 U 	0.060 U 				1
	PCB 1254	[ 1.8	0.060 U	0.060 U			i	ł
	DCB 1240					1	ļ	1
	PCB 1260	0.50 U 	0.060 U 	0.060 U 		I	ł	
-	Surrogate Standard Recovery		Ì					
<b>نتين</b>	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   104 	   87 	   77 				1   

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145

NJ 1D# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Micruel F. Pe

Laboratory Director



## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219 Job No: R95/00111 Date: 25 JAN., 1995

	       REFEREI	ICE CHECK	   
EPA METHOD 8080	TRUE   VALUE	X RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 01/12/95 Date Analyzed: 01/12/95	1   1   1   1   1		
PCB 1248		90	

aboratory Director

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M	ALC	COLM PI	RNIE	, INC	•					

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CHAIN OF CUSTODY RECORD

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PROJECT 1332 SAMPLER	-01 15 (5)0	K øf	2 <u>/</u>		SITE NAME:	liking -	TON	NO. OF CON- TAINERS	/	ere C	y I	7	7	Τ	$\square$		REMARKS
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4872	17/15	2214		x	Treatman	F PLONG		2-	2						ANALYZE A TRECET		DETECTION LIMIT Sample For PCB'S DETECTION LIMIT 65PF
						· · · · · · · · · · · · · · · · · · ·											
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JAN. 27 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 01/20/95 per a Facsimile transmittal. All data has been reviewed prior to report submission.
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Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

andra

Janice Jaeger  $\smile$ Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

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- X As specified in the case narrative.

- General W	5		A F	ull Servi	ce Envi	ronmer	ntal Lab	oratory
Testing V				LAE	BORAT		PORT	
- Corporati	on		Job No:	R95/0020	00	Date: J	AN. 30	1995
Client: Mr. Ken Kota				Sample	e(s) Ref	erence		
Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Colu	imbus Mo	Kinnon:		
Received	:	01/19/	95		P.O. #	:		
- ANALYSIS * BY EP	PA METHO	0808 DC	Al	NALYTICAI	L RESULI	'S - ug/	1	
Sample:	-001	-002	-003	1	1	1	ł	1
	•	EFFLUENT  JAR 138	LAB  BLANK		1	1	1	1
	•	01/18/95	•		1		1	1
Time Collected:	22:00	22:10				1	I	1
Date Extracted:	01/19/95	01/19/95	01/19/95		:   	**************************************	======================================	\$13352222222 
	01/19/95	01/19/95	01/20/95		1	1	i	İ
Dilution:	1 	1 	1		i I	1		1
		Ì					1	1
PCB 1016	0.50 U	0.060 U	0.060 U	1		1	!	l
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PCB 1232	   0.50 U	   0.060 U	   0.060 U		 	1	1 	 
PCB 1242	   0.50 U	   0.060 U	   0.060 U	 		 	 	1
PCB 1248	0.50 U	   0.060 U	   0.060 U	 		 	 	1
PCB 1254	0.50	0.060 U	0.060 U				 	1
PCB 1260	0.50 U	   0.060 U	   0.060 U				 	   
Surrogate Standard Recovery		1				1	   	]   
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	86	   66 	   76 		   	   	   	1

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael F. Ier

Laboratory Director

	Client: Mr. Ken Kota			Job N	io: R9	95/00111
	Malcolm Pirnie, I So. 3515 Abbott R	load		Dat	e: 25	JAN., 1995
-	Buffalo, NY 14219					
-		H		ļĮ		
		    	REFERENCE CHECK	    		
	EPA NETHOD 8080	TRUE    VALUE	X   RECOVERY		ACCEPTANCE LIMITS (%)	
	Date Extracted: 01/12/95					••••••
	Date Analyzed: 01/12/95		1			
-	PCB 1248	2.0	90		38 - 158	
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Michael F. Ferry Laboratory Director

	ROJECT NO.: SITE NAME:				T	r					······································									
					SITE NAME:	ML	way Tra			/u	5					/				
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STATION NO.	DATE	TIME	COMP.	GRAB	STAT	ION LOCA	TION		V''	¥)					/					
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RELINQU					DATE/TIME	RECEIVED	BY (SIGNATU	RE):	RELI	NOUIS	HED	BY (SI	GNAT	URE):				RECEI	VED BY	SIGNATU
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RELINQU	SHED	BY (SI			DATE/TIME	(SIGNATUI	BI Martin			DATE		-	MARKS	S				<u> </u>		



JAN. 27 1995

Mr. Ken Kota
 Malcolm Pirnie, Inc.
 So. 3515 Abbott Road
 Buffalo, NY 14219

- Re: Columbus McKinnon
- Dear Mr. Ken Kota
- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 01/24/95 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

**GENERAL TESTING CORPORATION** 

THUE M.

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



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  - $\chi$  As specified in the case narrative.

General Testing
Testing Ѵ
Corporation

Client:

A Full Service Environmental Laboratory

### LABORATORY REPORT

Job No: R95/00231 Date: JAN. 30 1995

Sample(s) Reference

Columbus McKinnon

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

**Received** : 01/23/95

P.O. #:

ANALYSIS \* BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	1	1	1	I
Location:	INFLUENT	EFFLUENT	LAB	I	ł	1	1
	JAR 141	JAR 142	BLANK	1	1	l l	1
Date Collected:	01/20/95	01/20/95		I	l I	1	1
Time Collected:	21:00	21:10					
Date Extracted:	01/23/95	01/23/95	01/23/95			i	
Date Analyzed:	01/23/95	01/23/95	01/23/95	ł		ł	l
Dilution:	1	1	1	1	1	I	ł
		l		1	ļ	l	1
000 1014				1			
PCB 1016	0.50 U	0.060 U	0.060 U			ļ	1
PCB 1221	1 0.50 U	I 0.060 U	0.060 U	1	1	1	
	1					l	
PC8 1232	0.50 U	0.060 U	0.060 U	, r		l I	
	Ì	İ	i i	İ	i	i	, i
PCB 1242	0.50 U	0.060 U	0.060 U	1	-	1	1
	1	1		I	1	ł	
PCB 1248	0.50 U	0.060 U	0.060 U			l	
PCB 1254	0.50 U	0.060 U	0.060 U			1	
PCB 1260	I   0.50 U	I 0.060 U	0.060 U	1	1	1	1
		1		1	1	1	1
	i	i	i i	i		ł	
Surrogate Standard Recovery		l	1	ļ	1	l	ļ
Tetechless, meter will con		   67				1	1
Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	92	1 0/	75	l i	1	!	l

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael 5. 1000

Laboratory Director



## LABORATORY REPORT

Client: Mr. Ken Kota			Job No:	R95/00216
Malcolm Pirnie, Inc So. 3515 Abbott Roa Buffalo, NY 14219	Date:	1 FEB., 1995		
	1		1	
	REFERE)	ICE CHECK	,   	
EPA METHOD 8080	TRUE VALUE	X RECOVERY	ACCEPTAN LIMITS (	
Date Extracted: 01/20/95	1 1 1			
PCB 1254	   4.0 	   102   	   29-131 	
   	   		1   	
I				

Laboratory Director

Startens 252 Rust251

CHAIN OF CUSTODY RECORD

# MALCOLM PIRNIE, INC.

PROJECT NO : SITE NAME: Columbus Mikinson -100 1332-01-4 , bratter l'inter NO SAMPLERS (SIGNATURE): -7 OF STATION DATE TIME COMP CON REMARKS TAINERS GRAB STATION LOCATION ANALVER LEMAPLE For PCR'S 12/ 200 TISATTICAT PLANT 1 5018 ANALYZE 1 SUMPLE FOR POBS INFLUENC 141 Z 7 Triarment Plant ٢ 5019 2 495 310 TAROET DETECTION LIMIT 65,005 EQUINT 142 RELINQUISHED BY (SIGNATURE) DATE/TIME. RECEIVED BY (SIGNATURE): RELINQUISHED BY (SIGNATURE) DATE / TIME RECEIVED BY (SIGNATURE) Kenneth Kola C. Mocnisk Chur Cours Morrish 12:45 100 DATE/TIME RECEIVED BY (SIGNATURE) RELINQUISHED BY (SIGNATURE) DATE/TIME RECEIVED BY (SIGNATURE) RELINQUISHED BY (SIGNATURE): DATE/TIME: REMARKS 3/95 1200 Via click DATE/TIME RECEIVED FOR LABORATORY BY RELINQUISHED BY (SIGNATURE): ISIGNATURE). TH Ugandnes 1/23/95 1200 Distribution: Original accompanies shipment, cupy to coordinator field files



FEB. 2 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 01/31/95 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

indul

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14508 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

- U Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
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- N Spiked sample recovery not within control limits.
   (Flag the entire saton Inorganic analytes only)
- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

	General W	5		A Full Service Environmental Laboratory								
	Testing V				LABO	RATORY	REPORT	-				
	Corporati	ion	Ĵ	Job No:	R95/00376			2 1995				
-	Client: Mr. Ken Kota				Sample(s	) Referenc	ce					
	Malcolm Pirnie So. 3515 Abbo Buffalo, NY 14	tt Road		Columbus McKinnon								
-	Received		01/30/9	95	P	·.o. #:						
	ANALYSIS * BY E	PA METH	0808 DD	AN	ALYTICAL R	ESULTS - 1	ug/l					
	Sample:	-001	-002	-003	1 1	I	1	ł				
	Location:	INFLUENT	EFFLUENT  144	LAB Blank		ļ	1	1				
	Date Collected:	01/27/95				1						
	Time Collected:	15:00	15:00		i i	Ì	I	i				
	Date Extracted:	01/30/95	01/30/95	101/ <b>30/95</b>	*======================================	**=***********************************	======================================	***************************************				
	Date Analyzed:	01/30/95	01/30/95	01/30/95	i i	İ		1				
_	Dilution:	11	1	11		l	1	l				
•		1	1	1								
	PCB 1016	0.50 U	, 0.060 U	0.060 U	· ·	1		l				
	PCB 1221	   0.50 U	   0.060 U	   0.060 u		1	l	1				
				İ	i i	į						
	PCB 1232	0.50 U 	0.060 U	0.060 U	1 1	ł						
	PCB 1242	0.50 U	0.060 U	0.060 U		ļ		1				
	PC8 1248	0.50 U	0.060 U	0.060 U				1				
	PCB 1254	1.7	   0.060 U	l 0.060 U								
	PC8 1260	   0.50 U	   0.060 U	0.060 U			1					
-	Surrogate Standard Recovery	   		   								
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   103 	   88 	   66 	     	   						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Muchan . . .

Laboratory Director



## LABORATORY REPORT

Client: Mr. Ken Kota			Job No:	R95/00376
Malcolm Pirnie, Inc So. 3515 Abbott Roa Buffalo, NY 14219			Date:	2 FEB., 1995
   	     REFEREN	ICE CHECK	   	
EPA METHOD 8080	TRUE	X   RECOVERY	ACCEPTAN LIMITS	
Date Extracted: 01/30/95 Date Analyzed: 01/30/95			1     	
PCB 1248	2.0	135	।   38-158   	<b>3</b> ·
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Laboratory Director

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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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PROJECT	NO.:	·····	1,	<u></u> .	SITE NAME:	nbus Mukinnon ona. Fac.,			7	7	7	7	7	//
SAMPLE	1,5 (SIG	)   - 4	t RE):		T.	ona. tac.	NO. OF							
SAMPLEF K	em	th	Kote	ί			CON-	4	2 00 2 00 2 00 2 00 2 00 2 00 2 00 2 00		/		/	REMARKS
STATION NO.	DATE	TIME	сомр.	GRAB		TION LOCATION		2.2. 2.2.	X					/
5380	1/27/1	1500		X		-mt. Influent Jar 143	2	2						Analyze I sumple For PCB's standard D. L. Avalyze I sample for PCB's Target D.L. of 65 PPT
381	127/95	1500		X		iar 144	2	2						Analyze I sample for PCB's Target D.L. of 65 PPT
														•
RELINOU	RELINQUISHED BY (SIGNATURE): DATE/TIME: RECEIVED BY (SIGNATURE): DATE/TIME: RECEIVED BY (SIGNATURE): DISJES 950 . MOCALE				REK ()	RELIN	vauis	HEDI	BY ISI	GNAT	URE):	DATE/TIME: RECEIVED BY (SIGNATURE): 1/30/95 1030 Cluk Cours		
RELINGU	ISHED	BY (SH	GNATU	RE):		RECEIVED BY (SIGNATU		RELIN	IQUIS	HEDI	BY (SI	GNAT	URE):	DATE/TIME: RECEIVED BY (SIGNATURE):
RELINQUISHED BY (SIGNATURE): DATE/TIME: RECEIVED FOR LABORAT							SOTE/			ARKS	2	eq hr. T.A.T.		
		<u>`</u>	Distribut			nument, cuty to coordinator field		++			7			

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JAN. 27 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 01/23/95 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

anting

Janice Jaeger () Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14608 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-6386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



Effective 10/1/91

#### GTC LIST OF OUALIFIERS

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- Duplicate analysis not within control limits.
   (Flag the entire batch Inorganic analysis only)
  - Also used to qualify Organics QC data outside limits. (Only used on the QC summary sheets)
- M Duplication injection precision not met (GFA only).
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



### **CASE NARRATIVE**

COMPANY: Malcolm Pirnie, Inc. Columbus McKinnon JOB #: R95/00216

### PCB ANALYSIS

MPI water samples were analyzed for Target Compound List of PCBs using method 8080 from SW-846. All water samples were extracted using method 3510 and cleaned up using the acid and sulfur cleanup techniques. A detection limit for the Effluent sample of 0.060 ug/l was used to satisfy regulatory requirements.

All initial and continuing calibration criteria were met.

The surrogate standard recoveries for Tetrachloro-m-xylene (TCMX) were within advisory QC limits.

The Reference Check (Blank Spike) recovery associated with these samples was acceptable.

The Laboratory Method Blanks were free of contamination.

All analysis holding times were met.

Due to matrix interferences in the Effluent sample which were not removed with the appropriate cleaups, the analysis had to be done at a 1/100 diltuion which resulted in a higher reported detection limit.

No other analytical or QC problems were encountered with this analysis.

	General	5		A Full Service Environmental Laboratory								
-	Testing Va Corporati	on	Ċ	Job No:	LABC R95/00216	DRATORY						
-	Client: Mr. Ken Kota				Sample(	s) Refere	nce					
	Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road			Columbus McKinnon							
	Received	:	01/20/9	95	:	P.O. #:						
	ANALYSIS * BY EF	A METHO	D 8080	AN	ALYTICAL	RESULTS -	ug/l					
		-001  INFLUENT	-002	-00 <b>3</b>  LAB		l	a I	1				
	Date Collected:	01/19/95	JAR 140  01/19/95  22:10	BLANK   								
•••••	Date Analyzed:	•	01/20/95  01/23/95  10 	01/20/95  01/20/95  1 		     	       	••••••••••••••••••••••••••••••••••••••				
	PCB 1016	0.50 U	   0.60 U 	  0.060 U 								
	PCB 1221	0.50 U	0.60 U	0.060 U								
	PCB 1232	0.50 U	0.60 U	0.060 U			1					
	PCB 1242	0.50 U	0.60 U	0.060 U			1					
	PCB 1248	0.50 U	0.60 U	່ 0.060 ປ								
-	PCB 1254	0.50 U	0.60 U	0.060 U		1	*   					
	PCB 1260	0.50 U	0.60 U 	0.060 U		1	3 1 					
-	Surrogate Standard Recovery		 	1			1					
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	89	   130 	77 			1					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

.

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Laboratory Director

Client:	Job No:	R9	5/00216
Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road			JAN., 1995
Buffalo, NY 14219			

-	   REFEREI	NCE CHECK	
EPA METHOD 8080	TRUE   VALUE	X RECOVERY	ACCEPTANCE LIMITS (X)
Date Extracted: 01/20/95   Date Analyzed: 01/20/95	     		
PCB 1254	4.0     	102	29 - 131       

Mill K.

Laboratory Director

MAL PROJECT NO 1332-C SAMPLERS Much STATION D NO 001 102 11 002	LC NO.: OI-4 SISIGN DATE			PIR GRAB	SITE NAME: Culumizy STI TIGATMA	ATION LOCA	NT	NO. OF CON- TAINERS		An Co				=	СНА	AIN OF	REMA			D
1332 - SAMPLERS Mileen STATION D NO. D	DATE	K TIME 2200	COMP.	GRAB	Culumizy STI TRATMA	ATION LOCA		ND. OF CON- TAINERS	, /·	Ar Contraction	yeber	Τ		/	/		REMAF	łKS		1997
STATION D		TIME 2200	COMP.	GRAB	TRATMA	ENT PLAN	NT		$\underline{V}$	ý	/		1 1							
- 00/ 1/	1.9/	2200			TRATMA				-	1	11	/ _		L						
-002 /1	19/45	7.20			-		<u> </u>	z	2						VALYZE TANJARD					
				X	TICATH	icnst pla	139 1N 140	2	E		ļļ				TANUARD NALYZE AROET	2 S Dere	GAPLE	For Limit	PCB 13 651	
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RELINQUISI	HED (	BY (SIC	GNATUF	<b>ι</b> Ε):	DATE/TIME	E RECEIVED	FOR LABORA	ATORY BY			/TIME	REM	ARKS			L				

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## **APPENDIX B6**

## DEWATERING/WATER TREATMENT SYSTEM SECONDARY CONTAINMENT SYSTEM PRIMARY LINER

.

Printed on Recycled Paper



A Full Service Environmental Laboratory

MAR. 1 1995

Mr. Ken Kota Malcolm Pirnie, Inc. So. 3515 Abbott Road Buffalo, NY 14219

Re: Columbus McKinnon

Dear Mr. Ken Kota

- Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 02/10/95 per a Facsimile transmittal. All data has been reviewed prior to report submission.
- Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Janice Jaeger Customer Service Representative

Enc.

710 Exchange Street • Rochester, NY 14606 • Tele: (716) 454-3760 • (716) 454-1245 85 Trinity Place • Hackensack, NJ 07601 • Tele: (201) 488-5242 • Fax: (201) 488-5386 435 Lawrence Bell Drive • Amherst, NY 14221 • Tele: (716) 634-0454 • Fax: (716) 634-9019 1201 E. Fayette Street, Suite 42 • Syracuse, NY 13210 • Tele: (315) 471-0936 • Fax: (315) 471-0943



A Full Service Environmental Laboratory

Effective 10/1/91

#### GTC LIST OF OUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
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- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.



Received

A Full Service Environmental Laboratory

## LABORATORY REPORT

Job No: R95/00506 Date: MAR. 1 1995

Sample(s) Reference

Columbus McKinnon

Client:		
Mr. Ken		
Malcolm	Pirnie,	Inc.
So. 3515	Abbott	Road
Buffalo,	NY 1421	.9

: 02/09/95

P.O. #:

ANALYSIS \* BY EPA METHOD 8080

ANALYTICAL RESULTS - ug/wipe

	Sample:	-001	-002	-003	-004	-005	-006	-007	-008
	Location:	1	2	3	4	5	6	7	8
	Date Collected: Time Collected:	  02/08/95  13:30	  02/08/95  13:33	  02/08/95  13:36	  02/08/95  13:39	  02/08/95  13:42	  02/08/95  13:45	  02/08/95  13:48	  02/08/95  13:51
-	Date Extracted: Date Analyzed: Dilution:	02/09/95  02/09/95  1 	02/09/95  02/09/95  1 	02/09/95  02/09/95  1	02/09/95  02/09/95  1 	02/09/95  02/10/95  1	02/10/95  02/10/95  1	02/09/95  02/10/95  1	02/09/95  02/10/95  1
	PCB 1016	   1.0 U 	   1.0 U 	1.0 U	   1.0 U 	   1.0 U 	   1.0 U 	   1.0 U ·	   1.0 U
	PCB 1221 PCB 1232	1.0 U     1.0 U	1.0 U     1.0 U	1.0 U     1.0 U	1.0 U     1.0 U	1.0 U     1.0 U	1.0 U     1.0 U	1.0 U     1.0 U	1.0 U     1.0 U
-	PCB 1242 PCB 1248	   1.0 U     1.0 U	   1.0 U     1.0 U	   1.0 U     1.0 U	   1.0 U     1.0 U	   1.0 U     1.0 U	   1.0 u     1.0 u	   1.0 U     1.0 U	   1.0 U     1.0 U
	PCB 1254	     1.0 U 	     1.0 U 	     1.0 U	     1.0 U	     1.0 U	     1.0 U 	     1.0 U 	     1.0 U 
	PCB 1260	1.0 U   	1.0 U   	1.0 U   	1.0 U   	1.0 U   	1.0 U   	1.0 U   	1.0 U   
	SURROGATE STANDARD RECOVERY Tetrachioro-meta-xylene (Acceptance Limits: 60-150%)	     102 	     102 	     102 	   101 	     107 	   103	     103 	   103 

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Per

Laboratory Director

-

	General W	5	A Full Service Environmental Laboratory									
-	Testing Va Corporati	ion	J	ob No: 1			DRY RE Date: M		1995			
-	Client: Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	t Road		Sample(s) Reference Columbus McKinnon								
	Received	:	02/09/9	5		P.O. #	:					
	ANALYSIS * BY EI	PA METHO	0808 D	AN	ALYTICA	L RESULI	rs – ug/	wipe				
	Sample: Location:	-009  9	-010	•	-012	-013	•	-015	-016			
	Local ton:		10 	11 	12 	13 	14 	15 	16 			
-	Date Collected: Time Collected:	02/08/95  13:54	•	•	•	•	•		02/08/95  14:15			
	Date Extracted: Date Analyzed: Dilution:	02/09/95  02/10/95  1	•	•	•		02/10/95	•	02/09/95  02/10/95  1			
	PC8 1016	     1.0 U	     1.0 U	     1.0 U	     1.0 U	     1.0 U	     1.0 U	     1.0 U	     1.0 U			
	PCB 1221	l   1.0 U	l   1.0 u	   1.0 U	l   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U			
	PCB 1232	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U			
-	PCB 1242	i   1.0 U	   1.0 U 	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U			
	PCB 1248	   1.0 U 	   1.0 U	   1.0 U 	1.0 U	   1.0 U	   1.0 U	   1.0 U 	   1.0 ປ			
	PCB 1254	   1.0 U	   1.0 U	1 1.0 U	1.0 U	1.0 U	   1.0 U	I   1.0 U I	   1.0 U			
	PCB 1260	   1.0 U 	1.0 U	   1.0 U 	1.0 U	   1.0 U   	   1.0 U 	   1.0 U 	1   1.0 U   !			
	SURROGATE STANDARD RECOVERY Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	     98 	     100 	     91	97	     95 	     98 	     98 	     102 			

<sup>W</sup> Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

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NY ID# in Hackensack: 10801

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-	General	5		A Full Service Environmental Laboratory									
-	Testing Va Corporati	ion	J	ob No:		BORAT( 06	ORY RE Date: M		1995				
-	Client: Mr. Ken Kota Malcolm Pirnie So. 3515 Abbot Buffalo, NY 14	tt Road		Sample(s) Reference Columbus McKinnon									
	Received	:	02/09/9	5		P.O. #	<b>! :</b>						
-	ANALYSIS * BY EF	PA METHO	D 8080	AN	ALYTICA	L RESULT	[S - ug/	wipe					
	Sample: Location:	-017  17	-018  18	-019  19	-020  20	-021  21	-022  22	-023  23	-024  24				
-	Date Collected: Time Collected:	•	  02/08/95  14:21	  02/08/95  14:24	  02/08/95  14:27	  02/08/95  14:30	  02/08/95  14:33	  02/08/95  14 <b>:36</b>	  02/08/95  14:39				
	Date Extracted: Date Analyzed: Dilution:	•	02/09/95  02/10/95  1 	02/10/95  02/10/95  1 	02/09/95  02/10/95  1 	02/09/95  02/10/95  1 	02/09/95  02/10/95  1 	02/10/95  02/10/95  1 	02/09/95  02/10/95  1 				
-	PC8 1016	   1.0 U 	   1.0 U 	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U				
	PCB 1221	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
	PCB 1232	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U				
	PCB 1242	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U				
_	PCB 1248	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U				
	PCB 1254	   1.0 U	   1.0 U	   1.0 ປ	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U				
	PCB 1260	   1.0 U 	   1.0 U 	   1.0 U 	   1.0 U 	   1.0 U 	   1.0 U 	   1.0 U 	   1.0 U 				
	SURROGATE STANDARD RECOVERY	1		1	1		1						
-	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   102 	   97 	   102 	   95 	   100 	   101 	   100   .	   108 				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ ID# in Rochester: 73331

NJ 1D# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Person

-	General W	>		A Full Service Environmental Laboratory								
	Testing Va Corporati	ion	J	ob No:	LABORATORY REPORT R95/00506 Date: MAR. 1 1995							
-	Client: Mr. Ken Kota Malcolm Pirnie	The	Sample(s) Reference Columbus McKinnon									
-	So. 3515 Abbot Buffalo, NY 14	tt Road			COI		KINNON					
	Received	:	02/09/9	5		P.O. #	<b>;</b>					
	ANALYSIS * BY EN	PA METHO	D 8080	AN	ALYTICA	L RESULI	rs - ug/	wipe				
-	Sample: Location:	-025  25	-026  LAB  BLANK	-027  LAB  BLANK	-028  LAB  BLANK	-029  LAB  BLANK	 	 	 			
-		02/08/95  14:40	 		 	 	'   	   	! ! !			
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	PCB 1016	   1.0 U	   1.0 U	   1.0 U	1.0 U	1.0 U		 	 			
	PC8 1221	1.0 U	1.0 U	   1.0 U	   1.0 U	1.0 U	\$   	1	1			
-	PCB 1232	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	} }	 	 			
-	PCB 1242	   1.0 U	   1.0 U	   1.0 U	   1.0 U	   1.0 U	 	1				
	PCB 1248	   1.0 U	   1.0 U	1.0 U	   1.0 U	1.0 U	1	1	1			
	PCB 1254	   1.0 U	   1.0 U	1.0 U	   1.0 U	1 1.0 U	   	   1	1			
-	PCB 1260	   1.0 U 	   1.0 U 	   1.0 U 	   1.0 U 	i   1.0 U 	   	1	1   			
	SURROGATE STANDARD RECOVERY	 	 	 			 	 	   •			
	Tetrachloro-meta-xylene (Acceptance Limits: 60-150%)	   110 	   100 	   101 	   107 	   103 	   		1   			

<sup>24</sup> Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261. NY ID# in Rochester: 10145

NJ 10# in Rochester: 73331

NJ ID# in Hackensack: 02317

NY ID# in Hackensack: 10801

Michael K. Pe



Client:

A Full Service Environmental Laboratory

## LABORATORY REPORT

Job No: R95/00506 Mr. Ken Kota Malcolm Pirnie, Inc. Date: 1 MAR., 1995 So. 3515 Abbott Road Buffalo, NY 14219

		       REFERE	NCE CHECK	
-	EPA METHOD 8080	TRUE    VALUE	1	ACCEPTANCE LIMITS (%)
	Date Extracted: 02/09/95 Date Analyzed: 02/09/95			
	PCB 1260	2000       	116     	8-127
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Michael F. Pers



A Full Service Environmental Laboratory

## LABORATORY REPORT

Client: Mr. Ken Kota Malcolm Pirnie, Inc So. 3515 Abbott Road Buffalo, NY 14219	đ		Job No: Date:	R95/00506 1 MAR., 1995
	1	NCE CHECK	     	
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Date Extracted: 02/09/95   Date Analyzed: 02/09/95   	     		       	
PCB 1260		105       	8-127                	
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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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# MALCOLM PIRNIE, INC.

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CHAIN OF CUSTODY RECORD

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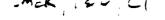
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## DRUM SAMPLING

MALCOLM PIRNIE





2123194 2017 - 2 17 M

September 22, 1994

Mr. Kenneth Kota Malcolm Pirnie, Inc. S. 3515 Abbott Road PO Box 1938 Buffalo, NY 14219-0138

### Re: Analysis of unidentified container Columbus McKinnon Project

Dear Mr. Kota:

Enclosed please find the analytical report for the unidentified container located at the Columbus McKinnon Site. Please retain for your files.

As always, should you have any additional questions, please do not hesitate to call. Thank you.

Very truly yours,

WASTE TECHNOLOGY SERVICES, INC.

David A. Kelly Technical Consultant

DAK/ya

Enclosure

cc: Terry Reid, Malcolm Pirnie, Inc. Larry Smith, Columbus McKinnon

640 Park Place, Niagara Falls, New York, 14301

WASTE TECHNOLOGY SERVICES, INC.

## #16520

## COLUMBUS MCKINNON

## WASTE ANALYSIS

Prepared By:

VANCED ES INC.

"A Company Dedicated to Honesty, Quality and Service"

September 20, 1994 REF: ERZ4323

### QA/QC VERIFICATION FOR PROJECT ID 4323

The following report, as well as the supporting data, have been carefully reviewed for accuracy, adherance to the cited methods, and completeness. All data contained in this report was generated in accordance with the AES Laboratory Quality Assurance/Quality Control Program.

(RJ Ň

Inorganic Chemistry

Organic Chemistry

00 Control Oual

Bradley Martin Project Manager

All 'Total' results on soil matrices are calculated on a dry weight basis, unless otherwise noted. Analyses noted as 'Performed in the laboratory' require immediate testing and should be performed in the field.

The following are standard abbreviations:

BQL - Below Quantifiable Limits

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- ND None Detected NG - No Growth of Colonies
- NR Not Requested

### ADVANCED ENVIRONMENTAL SERVICES LABORATORY REPORT

CLIENT: Waste Technology Services, Inc. SAMPLE ID: 001 UNKNOWN DRUM COLLECTION METHOD: COMPOSITE COLLECTION DATE(S): 09/01/94 - 1300 hrs SAMPLE TYPE: SOLID

High limit due to sample matrix; dilution was required.

AES CLIENT ID: WTS4 AES SAMPLE ID: 4323-1

PROJECT ID: 4323

Analytical Parameters	Analytical Results	Units	Practical Quantifiable Limit	Method
Total Cyanide	BQL	mg/kg	0.6	SW 846 9012
Total Sulfide	BQL	mg/kg	60	SW 846 9030
Flash Point, Open Cup	>200	• F		ASTM D92
Corrosivity, pH	6.3	Std.	0.1	SW 846 9045
PCB-1016	BOL	mg/kg	0.077 *	SW 846 8080
PC8-1221	BQL	mg/kg	0.077	SW 846 8080
PCB-1232	BQL	mg/kg	0.077	SW 846 8080
PCB-1242	BQL	mg/kg	0.077	SW 846 8080
PC8-1248	BQL	mg/kg	0.077	SW 846 8080
PCB-1254	0.24	mg/kg	0.077	SW 846 8080
PCB-1260	BQL	mg/kg	0.077	SW 846 8080

PAGE 1

### ANCED ENVIRONMENTAL SERVICES LABORATORY REPORT

CLIENT: Waste Technology Services, Inc. SAMPLE ID: 001 UNKNOWN DRUM OLLECTION METHOD: COMPOSITE :OLLECTION DATE(S): 09/01/94 - 1300 hrs SAMPLE TYPE: SOLID

#### AES CLIENT ID: WTS4 AES SAMPLE ID: 4323-1

PROJECT ID: 4323

TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

Inalytical Parameters	Analytical Results (mg/l)	Maximum Allowable Concentration	Practical Quantifiable Limit	Method
Arsenic	BQL	5.0	0.05	SW 846 6010
Barium	BQL	100	1.0	SW 846 6010
Cadmium	BQL	1.0	0.02	SW 846 6010
Chromium	BQL	5.0	0.05	SW 846 6010
Copper	0.10	NA	0.01	SW 846 6010
Zinc	0.06	NA	0.02	SW 846 6010
Lead	BQL	5.0	0.05	SW 846 6010
Mercury	BQL	0.2	0.001	SH 846 7470
Selenium	BQL	1.0	0.075	SW 846 6010
Silver	BQL	5.0	0.025	SW 846 6010
Total Cresol	BQL *	200	0.020	SW 846 8270
2,4,5-Trichlorophenol	BQL *	400	0.020	SW 846 8270
2,4,6-Trichlorophenol	BQL *	2.0	0.020	SW 846 8270
1,4-Dichlorobenzene	BQL	7.5	0.020	SW 846 8270
2,4-Dinitrotoluene	BQL	0.13	0.020	SW 846 8270
Hexachlorobenzene	BQL	0.13	0.020	SW 846 8270
Hexachlorobutadiene	BQL	0.5	0.020	SW 846 8270
Hexachloroethane	BQL	3.0	0.020	SW 846 8270
Nitrobenzene	BQL	2.0	0.020	SW 846 8270
Pentachlorophenol	BQL *	100	0.020	S₩ 846 8270
Pyridine	BQL	5.0	0.020	SW 846 8270
Benzene	BQL	0.5	0.10	SW 846 8240
Carbon tetrachloride	BQL	0.5	0.10	SW 846 8240
Chlorobenzene	BQL	100	0.10	SW 846 8240
Chloroform	BQL	6.0	0.10	SW 846 8240
1,2-Dichloroethane	BQL	0.5	0.10	SW 846 8240
1,1-Dichloroethene	BQL	0.7	0.10	SW 846 8240

Estimated results due to low surrogate recoveries on the acid fraction.

#### PAGE 2

### ADVANCED ENVIRONMENTAL SERVICES LABORATORY REPORT

CLIENT: Waste Technology Services, Inc. SAMPLE ID: 001 UNKNOWN DRUM COLLECTION METHOD: COMPOSITE COLLECTION DATE(S): 09/01/94 - 1300 hrs SAMPLE TYPE: SOLID

#### TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP)

	Analytical Parameters	Analytical Results (mg/l)	Maximum	Practical Quantifiable	Method
-	Methyl Ethyl Ketone	BQL	200	0.20	SW 846 8240
	Tetrachloroethene	. BQL	0.7	0.10	SW 846 8240
-	Trichloroethene	BQL	0.5	0.10	SW 846 8240
I	Vinyl chloride	BQL	0.2	0.10	SW 846 8240

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AES CLIENT ID: WTS4

AES SAMPLE ID: 4323-1

PROJECT ID: 4323

PAGE 3

## ADVANCED ENVIRONMENTAL SERVICES, INC.

Extraction Traceability Report

AES Job Code ERZ

AES Project Reference:\_

Technician	Analytical Method	Sample Code(s)	Date of Extraction	
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## ADVANCED ENVIRONMENTAL SERVICES, INC.

Extraction Traceability Report

AES Job Code <u>ERZ</u>

AES Project Reference:\_\_\_\_\_

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	Technician	Analytical Method	Sample Code(s)	Date of Extraction
	4323	TCLP	4323-1	9-7
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Sample Traceability Report

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AES Job No. 4323

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AES Sample No.	Sample Date	Group #	Run #	Method Number	Date	Analyst	Method Number	Date	Analyst
4323-1	9-1-94	1 2211	51	9012	9-6-9	4 cm	9017_	9/7/94	75
4323-1	9/1/94	2052	39	9030	9/6/94	CW	9030	9/7/94	LR
4323-1	9/1/94	2060	53		1	~	D92	9/14/94	TVC
43231	9/1/94	2149	39	9045	9/14/24	+VC	9045	9/14/24	TIC
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Note: Areas marked using a dash indicate that no sample preparation was required under the applied methodology.

Advanced Environmental Services

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AES JOB CODE<u>ERZ</u> AES JOB NO. <u>4323</u>

Sample Traceability Report

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				SAMPLE PREP				ANALYSIS	
AES Sample No.	Sample Date	Group #	Run #	Method Number	Date	Analyst	Method Number	Date	Analyst
4323-1	9-1-94	5600	52_		-		8240	9-7-94	лиг
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Note: Areas marked using a dash indicate that no sample preparation was required under the applied methodology.

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AES Job No. 4323

				SAN	APLE PF	REP		ANALYSIS	5
AES Sample No.	Sample Date	Group #	Run #	Method Number	Date	Analyst	Method Number	Date	Analyst
4323-1	9-1-44	1950	55	7-170	9-7	c.s	3470	9-5-	FFJ.
		12-00	Fr	3010	9-7	C.3	GUIU	9-14	h.R.
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Advanced Environmental Services

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Sample Traceability Report

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ALS Job No. 4323

			Alex & Forther Full Conference	SAI	MPLE PR	REP		ANALYSIS	5
AES Sample No.	Sampto Dato	Group #	Run #	Method Number	Date	Analyst	Method Number	Date	Analyst
4323-01	9-1-94	5200	60	TCLP 8270	9-62-94	SI-	9270	9/12/44	કલ્ડ
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Note: Areas marked using a dash indicate that no sample preparation was required under the applied methodology.

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Advanced Environmental Services

Sample Traceability Report

AES Job Code <u>FRZ</u>

AES Job No. 4323

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				SAN	APLE PF	REP		ANALYSIS	
AES Sample No.	Sample Date	Group #	Run #	Method Number	Date	Analyst	Method Number	Date	Analyst
4323-1	9-1-54	3500	57	3550 608/8000	*/9/4Y	51- (51)	8060	9/15/94	Y.
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Note: / Areas marked using a dash indicate that no sample preparation was required under the applied methodology.

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Chain Of Custody	Sample Log	Project Name & Description
Record	No	*16520 COLUMBIS MCKINNON

Sampler Name: _	's Sect	HIACFA	CANE			Date Sampled: <u>9-1-94</u>			
Sample No.	Date	Time	Sample Location	Grab	Comp	Sample Type	No. of Contain	Remarks	
001	9-1.94	1300hz	UNKOW DRUM		X	SOLIOS	<i>i</i>		
·			ph, flpt., CN-Sulfide						
			full TCLP minus				· · · · · · · · · · · · · · · · · · ·		
			herbs : pesticides : Total Copper : Zinc						
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Relinq	uished By	y (Sign)	Da		Tim	e Received			

Relinquished By (Sign)	Date   Time   Received By (Sign)
1 Junto Jala	
Relinquished By (Sign)	Date Time Received By (Sign)
2 Mart from	a 2/24/1445hr 3 Vin Maxell.
4) R. Musell	9/2/14/515 5 Marilyn J. Ogmene

I hereby Certify that I am qualified to obtain samples and this sample was taken according to

the sampling requirements set forth in 40 CFR 261 (SW-846)\_\_\_



## **APPENDIX C**

## **CONSTRUCTION PHOTOGRAPHS**

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## PROJECT: <u>Columbus McKinnon</u> <u>Remedial Site Cleanup</u> <u>Project</u> DESCRIPTION:

#### 8-19-94

Preconstruction site conditions



### PROJECT:

Columbus McKinnon Remedial Site Cleanup Project DESCRIPTION:

### 9-7-94

Removing riprap

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## PROJECT: <u>Columbus McKinnon</u> <u>Remedial Site Cleanup</u> <u>Project</u> DESCRIPTION:

#### 9-8-94

Demolition of Oil Storage Building



PROJECT: <u>Columbus McKinnon Remedial Site Cleanup Project</u> DESCRIPTION: <u>9-12-94 / Removing riprap below the water level</u>.



PROJECT:
Columbus McKinnon
Remedial Site Cleanup
Project
DESCRIPTION:

### 10-12-94 Excavation with 4'-0' diameter caisson



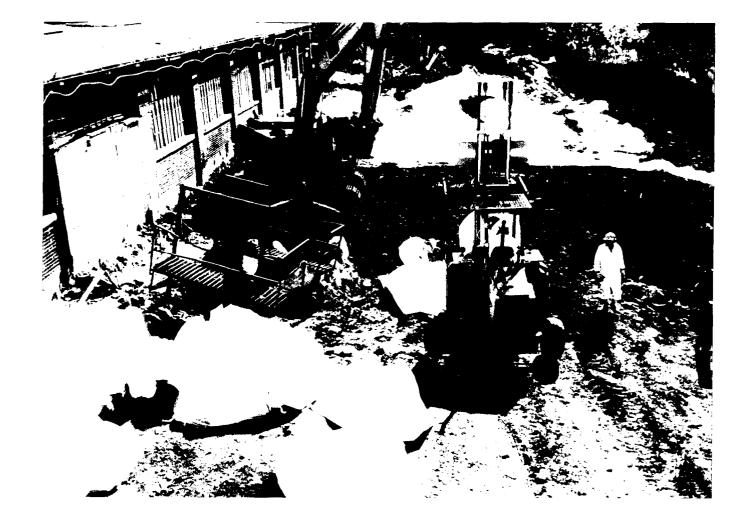
PROJECT:

Columbus McKinnon Remedial Site Cleanup Project DESCRIPTION:

#### 10-94

Soil bags being loaded into rolloffs

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PROJECT: Columbus McKinnon	
Remedial Site Cleanup Project	
DESCRIPTION:	
10-17-94	
Site soils excavation	



## PROJECT: <u>Columbus McKinnon</u> <u>Remedial Site Cleanup</u> <u>Project</u> DESCRIPTION:

#### 11-8-94

Soil sampling by Malcolm Pirnie Inc. personnel



### PROJECT: <u>Columbus McKinnon</u> <u>Remedial Site Cleanup</u> <u>Project</u> DESCRIPTION:

## 10-3-94 Installation of sheet piling from barge



PROJECT: Columbus McKinnon Remedial Site Cleanup Project DESCRIPTION: 11-15-94 Double row silt curtain around perimeter of dredge limits



#### PROJECT:

Columbus McKinnon Remedial Site Cleanup Project DESCRIPTION:

#### December 1994

Double row silt curtain at south end of dredge limits



## PROJECT:

## Creek sediment

Dewatering System



#### PROJECT:

Columbus McKinnon Remedial Site Cleanup Project DESCRIPTION:

#### 10-24-94

Water Treatment System



## PROJECT: <u>Columbus McKinnon</u> <u>Remedial Site Cleanup</u> <u>Project</u> DESCRIPTION:

#### 10-20-94

Aqua Dredge inside silt\_ curtained dredge limits\_



## PROJECT:

Columbus McKinnon Remedial Site Cleanup Project DESCRIPTION: <u>12-6-94 / Buffalo Industrial Diving. Divers used to</u> hydraulically remove creek sediment.

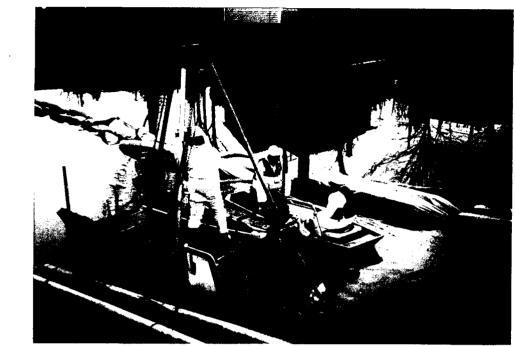


PROJECT:

<u>Columbus McKinnon</u> <u>Remedial Site Cleanup</u> <u>Project</u> DESCRIPTION:

#### 1-4-95

<u>Creek sediment/debris</u> excavation with backhoe



PROJECT: Columbus McKinnon Remedial Site Cleanup Project\_ DESCRIPTION:

## 1-17-95

Core sampling of creek sediment



#### PROJECT:

Columbus McKinnon Remedial Site Cleanup Project DESCRIPTION:

#### 2-9-95

Sheet piling installed at south end of site

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PROJECT: <u>Columbus McKinnon</u> <u>Remedial Site Cleanup</u> <u>Project</u> DESCRIPTION:

### 3-3-95 East and west walls

of sheet piling



PROJECT:

Columbus McKinnon Remedial Site Cleanup Project DESCRIPTION:

#### 4-6-95

Site backfilled with select fill

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## PROJECT: <u>Columbus McKinnon</u> <u>Remedial Site Cleanup</u> <u>Project</u> DESCRIPTION: <u>6-1-95</u>

Site topsoiled and landscaped

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PROJECT: <u>Columbus McKinnon</u> <u>Remedial Site Cleanup</u> <u>Project</u> DESCRIPTION:

7-7-95

Restoration complete



### **APPENDIX D**

## MINOR MODIFICATION TO THE RECORD OF DECISION

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New York State Department of Environmental Conservation

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# C:TJR

### MEMORANDUM

Enclosed is a copy of the Declaration for the Minor Modification to the Record of Decision signed on May 13, 1994.

Please include the document in the copy of the ROD which you may have in your files. The ROD was signed on October 30, 1992.

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Enclosure

Distribution

Ms. Cheryl Peterson, DEE

Mr. Richard Koeppicus, D F/W

Mr. Al Wakeman, DOH

Mr. Cameron O'Connor, DOH

Mr. Robert Speed, DOW

Mr. Theodore Hadzi-Antich, Esq.

Mr. R. Montgomery, Columbus McKinnon

Mr. Paul Werthman, Malcolm Pirnie

#### DECLARATION FOR THE MINOR MODIFICATION TO THE RECORD OF DECISION

#### SITE NAME AND LOCATION

Columbus McKinnon City of Tonawanda New York

#### AREA OF CONCERN

Site **#**915016

#### DESCRIPTION OF THE MODIFICATION OF THE RECORD OF DECISION

Columbus McKinnon has requested that the Department consider modified language in the current Record of Decision (ROD) to permit: (1) use of plate and frame filter press instead of gravity filter for dewatering of dredged creek sediments; and (2) locate the treatment plant for water from dredged sediments and soil/sediment handling area on the northern part of Columbus McKinnon facility instead of its original location in the center of the facility.

The Department has determined that this proposed action meets the intent of the existing ROD for protection of human health and the environment, and is not inconsistent with the remedial concepts developed in the existing ROD.

#### DECLARATION

The Department has determined that the change is minor in nature, and therefore the ROD for Columbus McKinnon has been modified accordingly. A copy of this declaration will be attached to and made a part of the ROD signed on October 30, 1992.

1.1.1 Se . 1.5

DATE

Ann Hill DeBarbieri Deputy Commissioner Office of Environmental Remediation NYS Department of Environmental Conservation



## **APPENDIX E**

## PLATE 1 - REMEDIAL EXCAVATION GRID LAYOUT

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## APPENDIX E

## PLATE 1 - REMEDIAL EXCAVATION GRID LAYOUT

## APPENDIX F

## PLATE 2 - CREEK SEDIMENT SAMPLING LOCATIONS