WEYERHAEUSER TECHNOLOGY CENTER
Analytical Laboratories
Tacoma, Washington

REPORT

Service Request 16122

Page ____ of ____

SAS 3285H

Sample	Lab Code	Filter #	Particulate Tot mg			
01A-014	99365	738268	178.1			
01B-014	99366	738269	88.1			
02A-014	99367	738270	173.1			
02B-014	99368	738271	87.0			
04A-014	99369	738272	237.9			
04B-014	99370	738273	107.6			
04C-014K	99371	738274	102.6			
G1A-015	99372	738245	71.4			
G1B-015	99373	738246	34.5			
G2A-015	99374	738247	45.9			
G2B-015	99375	738248	27.2			
G4A-015	99376	738249	40.9			
G4B-015	99377	740100	24.9			
E2B-010L	99378	740114	0.0			
E1A-016	99379	738276	37.8			
E1B-016	99380	738277	16.0			
E2A-016	99381	738278	21.6			
E2B-016	99382	738279	13.9			
E4A-016	99383	740110	16.7			
E4B-016	99384	740111	10.7			
E4C-016K	99385	740113	10.0			
01A-017	99386	740115	89.0			
01B-017	99387	740116	46.5			
02A-017	99388	740117	97.3			
02B-017	99389	740118	50.1			
04A-017	99390	740119	92.4			
04B-017	99391	740120	51.0			
04A-011L	99392	740128	0.2			
01A-018	99393	740121	68.3			
01B-018	99394	740122	37.0			

Approved Maxine Ranta Date 11-24-87 Notebook

Kari Dorsee 11-24-87 Page Number 005

FORM 4700-2 10/79 PRINT SHOP/TACOMA

WEYERHAEUSER TECHNOLOGY CENTER
Analytical Laboratories
Tacoma, Washington

REPORT

Service Request 16122

Page ____ of ____

SAS 3285 H

Sample	Lab Code	Filter #	Particulate Tot mg			
02A-018	99395	740123	63.2			
02B-018	99396	740124	40.1			
04A-018	99397	740125	58.6			
04B-018	99398	740126	36.9			
04C-018K	99399	740127	36.6			
G1A-012L	99400	740102	2.4			
01A-004M	99401	740129	-0.9			
G1A-019	99402	740103	118.5			
G1B-019	99403	740104	61.7			
G2A-019	99404	740105	119.1			
G2B-019	99405	740106	64.7			
G4A-019	99406	740107	104.5			
G4B-019	99407	740108	58.7			
G4C-019K	99408	740109	56.6			
02A-013L	99409	740131	4.7			
01A-020	99410	740130	174.6			
01B-020	99411	740131	75.3			
02A-020	99412	740132	146.8			
02B-020	99413	740133	77.8			
04A-020	99414	740134	135.5			
04B-020	99415	740135	72.3			
01A-021	99416	740138	47.9			
01B-021	99417	740139	24.0			
02A-021	01866	740140	35.7			
02B-021	01867	740151	22.0			
04A-021	01868	740152	35.4			
04B-021	01869	740153	19.6			
04C-021K	01870	740154	21.2			
02A-005M	01871	740155	-1.5			

Approved Maxine Ranta Date 11-24-87 Notebook

Kai Dorsee 11-24-87 Page Number 005A

FORM 4700-2 10/79 PRINT SHOP/TACOMA

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
01A-014

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99365

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	32	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	10	F
7	Calcium			19	Silver		
8	Chromium	23	P	20	Sodium		
9	Cobalt	[3.9]	P	21	Thallium		
10	Copper	482	P	22	Tin		
11	Iron			23	Vanadium	[12]	P
12	Lead	615	P	24	Zinc	444	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsey

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
01B-014

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99366

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	24	P	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	12	F
7	Calcium			19	Silver		
8	Chromium	12	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	123	P	22	Tin		
11	Iron			23	Vanadium	[6.0]	P
12	Lead	521	P	24	Zinc	257	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dotsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
02A-014

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99367

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	45	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	[4.0]	P	18	Selenium	\\	F
7	Calcium			19	Silver		
8	Chromium	16	P	20	Sodium		
9	Cobalt	[3.1]	P	21	Thallium		
10	Copper	489	P	22	Tin		
11	Iron			23	Vanadium	[12]	P
12	Lead	1200	P	24	Zinc	983	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
02B-014

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99368

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	38	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	10	F
7	Calcium			19	Silver		
8	Chromium	10	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	140	P	22	Tin		
11	Iron			23	Vanadium	[5.6]	P
12	Lead	849	P	24	Zinc	447	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kevin Doyle

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
04A-014

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99369

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium			
2	Antimony			14	Manganese			
3	Arsenic	243	P	15	Mercury			
4	Barium			16	Nickel	[16]	P	
5	Beryllium	2.0 U	P	17	Potassium			
6	Cadmium	26	P	18	Selenium	14	F	
7	Calcium			19	Silver			
8	Chromium	38	P	20	Sodium			
9	Cobalt	[6.7]	P	21	Thallium			
10	Copper	1020	P	22	Tin			
11	Iron			23	Vanadium	[17]	P	
12	Lead	4320	P	24	Zinc	5950	P	
	Cyanide				% Solids			

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Doksee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
04B-014

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99370

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	132	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	14	P	18	Selenium	[7]	F
7	Calcium			19	Silver		
8	Chromium	19	P	20	Sodium		
9	Cobalt	[3.2]	P	21	Thallium		
10	Copper	367	P	22	Tin		
11	Iron			23	Vanadium	[9.4]	P
12	Lead	2090	P	24	Zinc	2980	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dowsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
04C-014

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99371

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	131	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	13	P	18	Selenium	13	F
7	Calcium			19	Silver		
8	Chromium	18	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	344	P	22	Tin		
11	Iron			23	Vanadium	[8.6]	P
12	Lead	1970	P	24	Zinc	2750	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
E2B-010L

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99378

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum				13	Magnesium		
2	Antimony				14	Manganese		
3	Arsenic		2u	F	15	Mercury		
4	Barium				16	Nickel	15U	P
5	Beryllium		2.0 U	P	17	Potassium		
6	Cadmium		3.0 U	P	18	Selenium	3u	F
7	Calcium				19	Silver		
8	Chromium	[	3.9]	P	20	Sodium		
9	Cobalt		3.0 U	P	21	Thallium		
10	Copper	[	3.5]	P	22	Tin		
11	Iron				23	Vanadium	2.0 U	P
12	Lead	[	a]	F	24	Zinc	[17]	P
	Cyanide					% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
E1A-016

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99379

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	[5]	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	3u	F
7	Calcium			19	Silver		
8	Chromium	[5.2]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	59	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	131	P	24	Zinc	96	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
E1B-016

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99380

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	[3]	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	3u	F
7	Calcium			19	Silver		
8	Chromium	[4.3]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	[23]	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	78	F	24	Zinc	41	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
E2A-016

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99381

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	[7]	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	3u	F
7	Calcium			19	Silver		
8	Chromium	[4.6]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	53	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	101	F	24	Zinc	80	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Karin Doksee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
E2B-016

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99382

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	[4]	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	3u	F
7	Calcium			19	Silver		
8	Chromium	[3.6]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	28	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	67	F	24	Zinc	46	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
E4A-016

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99383

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	[6]	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	3u	F
7	Calcium			19	Silver		
8	Chromium	[3.7]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	133	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	58	F	24	Zinc	94	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsey

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
E4B-016

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99384

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	[4]	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	3u	F
7	Calcium			19	Silver		
8	Chromium	[3.3]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	[16]	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	38	F	24	Zinc	43	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
E4C-016K

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99385

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	[4]	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	3u	F
7	Calcium			19	Silver		
8	Chromium	[9.5]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	[17]	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	36	F	24	Zinc	38	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
01A-017

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER CASE NO..... 3285H-4
SOW NO..... 784
LAB SAMPLE ID. NO. 99386 QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	16	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[5]	F
7	Calcium			19	Silver		
8	Chromium	[9.5]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	403	P	22	Tin		
11	Iron			23	Vanadium	[5.5]	P
12	Lead	460	P	24	Zinc	245	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kaia Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
01B-017

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99387

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	16	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[5]	F
7	Calcium			19	Silver		
8	Chromium	[7.1]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	88	P	22	Tin		
11	Iron			23	Vanadium	[2.3]	P
12	Lead	425	P	24	Zinc	158	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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Lab Manager Kaie Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
02A-017

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99388

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	[18]	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[3]	F
7	Calcium			19	Silver		
8	Chromium	14	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	369	P	22	Tin		
11	Iron			23	Vanadium	[5.9]	P
12	Lead	439	P	24	Zinc	286	P
	Cyanide				% Solids		

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Comment:

Lab Manager Kaia Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
02B-017

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99389

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	13	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium	[5]	F
6	Cadmium	3.0 U	P	18	Selenium		
7	Calcium			19	Silver		
8	Chromium	[9.9]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	99	P	22	Tin		
11	Iron			23	Vanadium	[2.6]	P
12	Lead	407	P	24	Zinc	192	P
	Cyanide				% Solids		

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Comment:

Lab Manager Kaii Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
04A-017

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER CASE NO..... 3285H-4
SOW NO..... 784
LAB SAMPLE ID. NO. 99390 QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	18	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[8]	F
7	Calcium			19	Silver		
8	Chromium	11	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	431	P	22	Tin		
11	Iron			23	Vanadium	[5.6]	P
12	Lead	435	P	24	Zinc	308	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Karie Doksee

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703/557-2490 FTS: 8-557-2490

EPA Sample Number
04B-017

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99391

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	15	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[6]	F
7	Calcium			19	Silver		
8	Chromium	[8.0]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	98	P	22	Tin		
11	Iron			23	Vanadium	[2.6]	P
12	Lead	387	P	24	Zinc	199	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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Lab Manager Kari Dorsee

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U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
04A-011L

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99392

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	2u	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	3u	F
7	Calcium			19	Silver		
8	Chromium	[3.6]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	[8.2]	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	[5]	F	24	Zinc	[15]	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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Lab Manager Kari Doxsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
01A-018

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99393

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	21	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[7]	F
7	Calcium			19	Silver		
8	Chromium	[6.8]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	352	P	22	Tin		
11	Iron			23	Vanadium	[3.9]	P
12	Lead	394	P	24	Zinc	167	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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Lab Manager Kari Dorsey

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U.S. EPA Contract Laboratory Program
Sample Management Office
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703/557-2490 FTS: 8-557-2490

EPA Sample Number
01B-018

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99394

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium			
2	Antimony			14	Manganese			
3	Arsenic	23	F	15	Mercury			
4	Barium			16	Nickel	15U	P	
5	Beryllium	2.0 U	P	17	Potassium			
6	Cadmium	3.0 U	P	18	Selenium	[4]	F	
7	Calcium			19	Silver			
8	Chromium	[6.3]	P	20	Sodium			
9	Cobalt	3.0 U	P	21	Thallium			
10	Copper	77	P	22	Tin			
11	Iron			23	Vanadium	2.0 U	P	
12	Lead	338	P	24	Zinc	94	P	
	Cyanide				% Solids			

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

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Sample Management Office
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703/557-2490 FTS: 8-557-2490

EPA Sample Number
02A-018

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99395

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	23	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[5]	F
7	Calcium			19	Silver		
8	Chromium	[7.1]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	362	P	22	Tin		
11	Iron			23	Vanadium	[3.6]	P
12	Lead	386	P	24	Zinc	157	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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Lab Manager Kari Doksee

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703/557-2490 FTS: 8-557-2490

EPA Sample Number
02B-018

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99396

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	26	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	34	
7	Calcium			19	Silver		
8	Chromium	[6.8]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	81	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	338	P	24	Zinc	91	P
	Cyanide				% Solids		

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Lab Manager Kari Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
04A-018

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99397

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium			
2	Antimony			14	Manganese			
3	Arsenic	28	F	15	Mercury			
4	Barium			16	Nickel	15U	P	
5	Beryllium	2.0 U	P	17	Potassium			
6	Cadmium	3.0 U	P	18	Selenium	[6]	F	
7	Calcium			19	Silver			
8	Chromium	[7.6]	P	20	Sodium			
9	Cobalt	3.0 U	P	21	Thallium			
10	Copper	578	P	22	Tin			
11	Iron			23	Vanadium	[3.6]	P	
12	Lead	391	P	24	Zinc	157	P	
	Cyanide				% Solids			

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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703/557-2490 FTS: 8-557-2490

EPA Sample Number
04B-018

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER CASE NO..... 3285H-4
SOW NO..... 784
LAB SAMPLE ID. NO. 99398 QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	24	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[7]	F
7	Calcium			19	Silver		
8	Chromium	[5.6]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	83	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	334	P	24	Zinc	93	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dotsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
04C-018K

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99399

CASE NO..... 3285H-4
QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	25	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[6]	F
7	Calcium			19	Silver		
8	Chromium	[4.7]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	84	P	22	Tin		
11	Iron			23	Vanadium	[2.2]	P
12	Lead	325	P	24	Zinc	89	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
01A-004M

Date: 11-20-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER CASE NO..... 3285H-4
SOW NO..... 784
LAB SAMPLE ID. NO. 99401 QC REPORT NO... 161223

Element Identified and Measured

Concentration ...
Matrix ... WATER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	2u	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	3u	F
7	Calcium			19	Silver		
8	Chromium	[3.5]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	3.0 U	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	[4]	F	24	Zinc	[7.1]	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

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Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
02A-013L

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER CASE NO..... 3285H-5
SOW NO..... 784
LAB SAMPLE ID. NO. 99409 QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	2u	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	3u	F
7	Calcium			19	Silver		
8	Chromium	[5.7]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	[3.6]	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	13	F	24	Zinc	[19]	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

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Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
01A-020

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99410

CASE NO..... 3285H-5
QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	34	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	13	F
7	Calcium			19	Silver		
8	Chromium	18	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	558	P	22	Tin		
11	Iron			23	Vanadium	[12]	P
12	Lead	777	P	24	Zinc	465	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kaii Dorsee

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703/557-2490 FTS: 8-557-2490

EPA Sample Number
01B-020

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99411

CASE NO..... 3285H-5
QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	29	F	15	Mercury		
4	Barium			16	Nickel	68	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	14	F
7	Calcium			19	Silver		
8	Chromium	[9.9]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	211	P	22	Tin		
11	Iron			23	Vanadium	[4.9]	P
12	Lead	650	P	24	Zinc	244	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kyle Dorsey

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703/557-2490 FTS: 8-557-2490

EPA Sample Number
02A-020

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99412

CASE NO..... 3285H-5
QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	39	F	15	Mercury		
4	Barium			16	Nickel	52	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	[4.3]	P	18	Selenium	13	F
7	Calcium			19	Silver		
8	Chromium	17	P	20	Sodium		
9	Cobalt	[3.1]	P	21	Thallium		
10	Copper	490	P	22	Tin		
11	Iron			23	Vanadium	[9.9]	P
12	Lead	897	P	24	Zinc	584	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
02B-020

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99413

CASE NO..... 3285H-5
QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	28	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	[3.1]	P	18	Selenium	12	F
7	Calcium			19	Silver		
8	Chromium	[9.8]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	209	P	22	Tin		
11	Iron			23	Vanadium	[5.2]	P
12	Lead	743	P	24	Zinc	326	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kaie Dorsee

Form I

U.S. EPA Contract Laboratory Program
Sample Management Office
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703/557-2490 FTS: 8-557-2490

EPA Sample Number
04A-020

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99414

CASE NO..... 3285H-5
QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium			
2	Antimony			14	Manganese			
3	Arsenic	60	F	15	Mercury			
4	Barium			16	Nickel	[29]	P	
5	Beryllium	2.0 U	P	17	Potassium			
6	Cadmium	[4.2]	P	18	Selenium	17	F	
7	Calcium			19	Silver			
8	Chromium	16	P	20	Sodium			
9	Cobalt	[3.1]	P	21	Thallium			
10	Copper	808	P	22	Tin			
11	Iron			23	Vanadium	[10]	P	
12	Lead	991	P	24	Zinc	1180	P	
	Cyanide				% Solids			

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

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Sample Management Office
P.O. Box 818 - Alexandria, VA 22313
703/557-2490 FTS: 8-557-2490

EPA Sample Number
04B-020

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99415

CASE NO..... 3285H-5
QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum				13	Magnesium			
2	Antimony				14	Manganese			
3	Arsenic		40	F	15	Mercury			
4	Barium				16	Nickel	[	23	] P
5	Beryllium		2.0 U	P	17	Potassium			
6	Cadmium	[	3.7	] P	18	Selenium		16	F
7	Calcium				19	Silver			
8	Chromium	[	10	] P	20	Sodium			
9	Cobalt		3.0 U	P	21	Thallium			
10	Copper		248	P	22	Tin			
11	Iron				23	Vanadium	[	5.0	] P
12	Lead		737	P	24	Zinc		532	P
	Cyanide					% Solids			

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kaie Dorsee

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Sample Management Office
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703/557-2490 FTS: 8-557-2490

EPA Sample Number
01A-021

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99416

CASE NO..... 3285H-5
QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	\\	F	15	Mercury		
4	Barium			16	Nickel	[35]	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[4]	F
7	Calcium			19	Silver		
8	Chromium	11	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	428	P	22	Tin		
11	Iron			23	Vanadium	[2.1]	P
12	Lead	488	P	24	Zinc	349	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

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EPA Sample Number
01B-021

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 99417

CASE NO..... 3285H-5
QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium			
2	Antimony			14	Manganese			
3	Arsenic	11	F	15	Mercury			
4	Barium			16	Nickel	[	26	] P
5	Beryllium	2.0 U	P	17	Potassium			
6	Cadmium	3.0 U	P	18	Selenium	[	6]	F
7	Calcium			19	Silver			
8	Chromium	[5.6]	P	20	Sodium			
9	Cobalt	3.0 U	P	21	Thallium			
10	Copper	66	P	22	Tin			
11	Iron			23	Vanadium		2.0 U	P
12	Lead	437	P	24	Zinc		255	P
	Cyanide				% Solids			

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

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Lab Manager Kari Dorsee

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INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER CASE NO..... 3285H-5
SOW NO..... 784
LAB SAMPLE ID. NO. 01866 QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	15	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[7]	F
7	Calcium			19	Silver		
8	Chromium	[6.1]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	365	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	449	P	24	Zinc	264	P
	Cyanide				% Solids		

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Lab Manager Kari Dorsee

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INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 01867

CASE NO..... 3285H-5
QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	15	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[6]	F
7	Calcium			19	Silver		
8	Chromium	[6.3]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	71	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	394	P	24	Zinc	204	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

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04A-021

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INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER CASE NO..... 3285H-5
SOW NO..... 784
LAB SAMPLE ID. NO. 01868 QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	17	F	15	Mercury		
4	Barium			16	Nickel	41	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	10	F
7	Calcium			19	Silver		
8	Chromium	[7.0]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	509	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	425	P	24	Zinc	302	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

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04B-021

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER CASE NO..... 3285H-5
SOW NO..... 784
LAB SAMPLE ID. NO. 01869 QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium			
2	Antimony			14	Manganese			
3	Arsenic	15	F	15	Mercury			
4	Barium			16	Nickel	[19]	P	
5	Beryllium	2.0 U	P	17	Potassium			
6	Cadmium	3.0 U	P	18	Selenium	[7]	F	
7	Calcium			19	Silver			
8	Chromium	[6.8]	P	20	Sodium			
9	Cobalt	3.0 U	P	21	Thallium			
10	Copper	89	P	22	Tin			
11	Iron			23	Vanadium	2.0 U	P	
12	Lead	385	P	24	Zinc	242	P	
	Cyanide				% Solids			

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kyle Dorsee

Form I

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Sample Management Office
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703/557-2490 FTS: 8-557-2490

EPA Sample Number
04C-021K

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 01870

CASE NO..... 3285H-5
QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	15	F	15	Mercury		
4	Barium			16	Nickel	[22]	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	[7]	F
7	Calcium			19	Silver		
8	Chromium	[6.1]	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	85	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	382	P	24	Zinc	243	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kevin Dolsee

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703/557-2490 FTS: 8-557-2490

EPA Sample Number
02A-005M

Date: 12-7-87

INORGANIC ANALYSIS DATA SHEET

LAB NAME ..... WEYERHAEUSER
SOW NO..... 784
LAB SAMPLE ID. NO. 01871

CASE NO..... 3285H-5
QC REPORT NO... 16122

Element Identified and Measured

Concentration ... LOW
Matrix ... OTHER
Units ... ug/l

1	Aluminum			13	Magnesium		
2	Antimony			14	Manganese		
3	Arsenic	2u	F	15	Mercury		
4	Barium			16	Nickel	15U	P
5	Beryllium	2.0 U	P	17	Potassium		
6	Cadmium	3.0 U	P	18	Selenium	3u	F
7	Calcium			19	Silver		
8	Chromium	26	P	20	Sodium		
9	Cobalt	3.0 U	P	21	Thallium		
10	Copper	3.0 U	P	22	Tin		
11	Iron			23	Vanadium	2.0 U	P
12	Lead	3u	F	24	Zinc	26	P
	Cyanide				% Solids		

Footnotes: For reporting results to EPA, standard result qualifiers are used as defined on Cover Page. Additional flags or footnotes explaining results are encouraged. Definition of such flags must be explicit and contained on Cover Page, however.

Comment:

Lab Manager Kari Dorsee

From Page No. Sample #	Filter + Sample, mg	Filter Tare, Mg	Net Wt Sample, mg	Tare date/ analyst	Weigh back date/analyst	Comments
741011	4481.8	4441.7	40.1	MJ 10-8-87		prep - 20%
012	4571.6	4510.6	61.0			for 24 hou
013	4541.9	4501.3	40.6			
014	4589.1	4549.3	39.8			
015	4523.7	4529.4	-5.7		PB 11/20/87	
016	~~4473.5~~ ~~2907.7~~	4475.2	-1.7			
017		4505.2				
018		4507.8				
019		4435.8				
741020		4457.4				Weight 4g clas
021		4399.9				weight = 4.0001
022		4442.9				
023		4476.7				
024		4433.2				
025		4413.3				
026		4422.1				
027		4416.6				
028		4426.1				
029		4412.4				
741030		4440.4				
741031	~~2914.8~~	4494.2				
741051	2914.1	2905.0	9.1		PB 11/18/87	Filters 7410
052	2931.8	2913.4	18.4			741061 are
053	2920.8	2910.7	10.1			glass fiber
054	2924.1	2907.0	17.1			
055	2921.7	2911.1	10.6			
056	~~2917.3~~ ~~2921.7~~	2906.4	~~15.3~~ 10.9			
057	2899.2	2902.0	-2.8			
058	2939.8	2904.9	34.9		PB 11/20/87	
059	2953.3	2928.5	24.8			
060	2931.7	2898.6	33.1			
741061	2933.6	2908.2	25.4			
742000	2935.4	2905.3	30.1	MJ 10-15-87		prep - 20% R
001	2938.9	2914.6	24.3			for 24 hours
002	2932.5	2910.3	22.2			To Page No.

Witnessed & Understood by me,	Date	Invented by	Date
		Recorded by	

From Page No.

Sample #	Filter & sample mg	Filter & Tare mg	Net Sample mg	Tare Date - Analyst	weigh back Date - Analyst	Commen
738160	3045.3	2900.7	144.6		10-5-87/mJ	20% RH, 24 hours
161	2989.0	2915.2	73.8			
162	3061.2	2916.7	144.5			
163	2974.9	2904.9	70.0		AB 10/20/87	160-169 are glass fiber
164	2990.2	2913.9	76.3			
165	2904.4	2904.7	-0.3			170-199 are quartz micro-fiber
166	3089.1	2912.3	176.8			
167	2988.1	2905.2	82.9			
168	3108.5	2909.8	198.7		10-14-87 mJ	10-5-87 mJ
169	2897.1	2898.2	-1.1			4 gram class S
738170	4431.5	4291.4	140.1		10-5-87 mJ	weight = 4.0002
171	4346.2	4272.2	74.0			
172	4463.3	4322.0	141.3			
173	4430.8	4333.8	97.0			
174	4462.5	4305.1	157.4			
175	4389.4	4306.6	82.8			
176	4415.1	4331.2	83.9			
177	4522.6	4314.6	208.0			
178	4403.6	4290.7	112.9			
179	4450.5	4341.5	109.0		AB 11/20/87	
738180	4564.5	4351.0	213.5			
181	4388.8	4283.1	105.7			
182	4467.2	4284.4	182.8			
183	4380.4	4287.8	92.6			
184	4280.9	4280.3	0.6			
185	4312.2	4283.0	29.2			
186	4379.6	4310.5	61.1			
187	4338.8	4312.0	26.8			
188	4332.6	4289.6	43.0			4 gram class S we
189	4355.6	4337.0	18.6			= 4.00004 g
738190	4397.0	4352.3	44.7			KSK 9/16/87
191	4348.9	4329.2	19.7			
192	4322.5	4306.7	15.8			
193	4333.2	4306.7	26.5			
194	4526.8	4504.5	22.3			
195	4407.7	4399.7	8.0			

To Page No.

Witnessed & Understood by me, | Date | Invented by | Date

Recorded by

From Page No. Sample#	Filter + sample, mg	Filter tare, mg	Net wt sample, mg	tare date/ Analyst	Weigh back date/analyst	Comments
738196	4420.9	4410.7	10.2	KSK	10-5-87 MJ	weight 4 gram class
197	4445.0	4437.8	7.2	9/16/87		S weight = 4.0005g
198	4402.1	4395.6	6.5			KSK 9/16/87
199	4375.1	4376.2	~~4375.1~~ -1.1			same prep as previa page. KSK
738200	3021.3	2917.0	104.3	MJ	10-14-87 MJ	weight 4 gram class
201	3087.5	2907.2	180.3	9-22-87		S weight = 4.0001g
202	2999.0	2902.1	96.9			KSK 9/22/87
203	3079.7	2903.4	175.3			200-209 are glass
204	2998.7	2899.9	98.8			fiber
205	3002.4	2910.9	91.5		PB 11/20/87	210-239 are
206	3098.7	2886.3	212.4		PB 11/6/87	quartz micro
207	3007.9	2900.7	107.2			fiber
208	3085.5	2895.9	189.6			
209	3014.4	2911.6	102.8			weight 4 gram
738210	4475.4	4420.6	54.8		PB 11/20/87	class S weight =
211	4471.2	4413.5	57.7			4.0002 g
212	4496.3	4392.1	104.2			MJ 9-22-87
213	4403.1	4403.6	-0.5		10-5-87 MJ	
214	4402.5	4346.2	56.3			prep - 20% RH
215	~~4402.5~~ 4463.2	4355.6	107.6		10-14-87 MJ	for 24 hours.
216	~~4463.2~~ 4447.8	4377.1	70.7			10-5-87
217	4538.9	4393.3	145.6			4 gram class S
218	4427.7	4363.7	63.5			weight = 4.0001
219	4464.5	4442.6	21.9			10-14-87
220	4470.9	4472.2	-1.3			4.0 gram class S
221	4487.0	4448.6	38.4			weight = 4.0001 g
222	4443.2	4428.5	14.7			
223	4498.9	4464.1	34.8			11/6/87
224	4441.7	4423.9	17.8			2.0g class S
225	4430.0	4415.3	14.7			weight 2.0000
226	4628.1	4466.4	161.7			
227	4559.1	4474.6	84.5			
228	4671.6	4538.5	133.1			
229	4616.6	4545.4	71.2			
230	4590.1	4459.5	130.6			To Page No.

Witnessed & Understood by me, | Date | Invented by | Date

Recorded by

TITLE _____ Book No. _____

From Page No. Sample #	Filter + Sample, mg	Filter tare, mg	Net wt. Sample, mg	Tare date/ Analyst	Weigh back date/Analyst	Comments
738231	4479.1	4404.0	75.1	MJ-9-22-87	10-14-87 MJ	
232	4535.2	4466.3	68.9			
233	4517.0	4516.9	0.1			
234	4745.2	4570.6	174.6		PB 11/6/87	
235	4599.9	4509.3	90.6			
236	4615.0	4455.1	159.9			
237	4617.9	4530.7	87.2			
238	4665.2	4516.1	149.1			
239	4534.8	4448.1	86.7			
738240	3110.2	2908.6	201.6	9-28-87 MJ		weight 4 gram cla:
241	3035.3	2926.2	*109.1			weight = 4.000
242	3022.0	2913.8	108.2			MJ 9-28-87
243	2905.6	2902.7	2.9			
244	2912.5	2913.7	-1.2			prep - 20% RH
245	2978.0	2906.6	71.4			for 24 hours
246	2932.2	2897.7	34.5			
247	2962.5	2916.6	45.9			240-249 are glass fiber f
248	2935.4	2908.2	27.2			
249	2942.4	2901.5	40.9			250-279 are quartz-micro fiber
738250	4519.1	4434.7	84.4		PB 11/20/87	
251	4486.2	4486.8	-0.4		10-14-87 MJ	
252	4662.7	4480.6	182.1		PB 11/6/87	
253	4611.0	4517.5	93.5			
254		4544.5				
255	4570.8	4482.3	88.5		PB 11/6/87	
256	4635.2	4489.7	145.5			
257	4567.4	4483.6	83.8			
258	4551.4	4467.0	84.4		PB 11/20/87	
259	4441.7	4438.8	2.9		PB 11/6/87	
738260	4582.3	4430.1	153.1			
261	4507.2	4469.7	37.5			weight 4 gram cla
262	4420.6	4399.1	21.5			weight = 4.0002
263	4417.6	4385.8	31.8			
264	4157.7	4138.6	19.1			
265	4220.8	4189.5	31.3			

To Page No

Witnessed & Understood by me,	Date	Invented by	Date
		Recorded by	

From Page No / Sample #	Filter + Sample, mg	Filter Tare, mg	Net Wt Sample, mg	Tare date/ Analyst	Weigh back date/Analyst	Comments
738266	4236.9	4216.0	20.9	9-28-87 MJ	PB 11/6/87	
267	4196.6	4175.8	20.8			
268	4391.9	4213.8	MJ 178.1		MJ	
269	4255.4	4167.3	~~11-3-87~~ MJ 88.1		11-3-87	
738270	4376.0	4202.9	173.1			
271	4282.7	4195.7	87.0			
272	4390.6	4152.7	237.9			
273	4310.0	4202.4	107.6			
274	4325.4	4222.8	102.6			
275	4228.0	4213.0	15.0		PB 11/6/87	
276	4189.7	4151.9	MJ 37.8		MJ 11-3-87	
277	4202.1	4186.1	~~11-3-87~~ MJ 16.0			
278	4235.2	4,213.6	21.6			
279	4186.7	4,172.8	13.9			
740100	2910.2	2885.3	24.9 ~~MJ 11-3-87~~	10-2-87	MJ 11-3-87	weight of 4 gra
101	2933.8	2910.7	23.1	MJ	PB 11/20/87	class 5 weight = 4.0
102	2909.6	2907.2	2.4 ~~MJ 11-3-87~~		MJ 11-3-87	
103	3022.0	2903.5	118.5		PB 11/21/87	prep - 20% RH
104	2966.7	2905.0	61.7			for 24 hours
105	3015.6	2896.5	119.1			
106	2990.5	2925.8	64.7			Filters 740100-
107	3020.8	2916.3	104.5			740109 are gla
108	2965.2	2906.5	58.7			fiber
109	2945.5	2908.9	56.6			
740110	4269.7	4253.0	16.7		MJ	Filter 740110
111	4353.0	4342.3	10.7		11-3-87	740140 are
112	4299.4	4254.5	44.9		PB 11/20/87	quartz - micro
113	4292.5	4282.5	10.0		MJ	fiber
114	4292.9	4292.9	0		11-3-87	PB 11/21/87
115	4328.0	4239.0	89.0			5.0000gm.
116	4355.8	4309.3	46.5			weighed = 5.000
117	4383.5	4286.2	97.3			
118	4273.3	4223.2	50.1			
119	4417.3	4324.9	92.4			
740120	4355.5	4304.5	51			

To Page No.__

Witnessed & Understood by me. | Date | Invented by | Date

Recorded by

TITLE _____ Project No. _____ Book No. _____

From Page No.

Sample #	Filter + Sample, mg	Filter Tare, mg	Net Sample, mg	Tare date/ Analyst	Weigh back date/Analyst	Comments
740121	4315.2	4246.9	[illegible]	[illegible]-2-87		weight 4 gram class- weight = 4.0001 10-2-87
122	4254.8	4217.8	[illegible]	[illegible] MJ		
123	4320.4	4257.2	63.[illegible]			
124	4317.8	4277.7	40.[illegible]			
125	4318.8	4260.2	58.[illegible]			weight 4 gram cl weight = 4.0001
126	4275.9	4239.0	36.[illegible]			
127	4298.6	4262.0	36.[illegible]			
128	4299.7	4299.9	0.[illegible]			
129	4275.6	4276.5	-[illegible]			
740130	4447.2	4272.6	[illegible]		PB 11/21/87	
131	4341.4	4266.1	[illegible]			
132	4339.8	4193.0	[illegible]			
133	4284.6	4206.8	[illegible]			
134	4391.0	4255.5	[illegible]			
135	4287.0	4214.7	[illegible]			
136	4328.0	4255.2	72.[illegible]		PB 11/20/87	
137	4279.6	4274.9	[illegible]		PB 11/21/87	
138	4300.4	4252.5	[illegible]			
139	4199.2	4175.2	[illegible]			
740140	4230.5	4194.8	[illegible]			
141	3003.9	2912.8	91.1		PB 11/18/87	Weight 4 gram class weight = 4.0002
142	2964.1	2916.6	47.5			
143	2982.3	2904.1	75.2			Filters 740140- 740150 are glass fiber
144	2950.3	2904.3	46.0			
145	2988.6	2909.9	75.7			
146	2950.8	2906.2	44.6			
147		2900.7				Filters 740151 - 740181 are quartz-micro fi
148	2946.1	2902.7	43.4		PB 11/18/87	
149		2921.6				
740150	2914.8	2897.3	17.5		PB 11/18/87	
151	4345.8	4323.8	22.0		PB 11/21/87	Weight 20.0000 weighed 19.999 11/18/87 PB
152	4311.7	4276.3	35.4			
153	4294.4	4274.8	19.6			
154	4302.7	4281.5	21.2			
155	4320.4	4321.9	-1.5			
156	4461.9	4303.7	158.2		PB 11/18/87	

To Page No. _____

Witnessed & Understood by me, _____ Date _____ Invented by _____ Date _____

Recorded by _____

From Page No	Filter +	Filter	Net Wt.	Tare date/	Weigh back	
Sample #	Sample, mg	Tare, Mg	Sample mg	Analyst	date/analyst	Comments
740157	4416.4	4320.9	95.5	10-2-87	PB 11/18/87	
158	4526.9	4373.2	153.7	MJ		
159	4438.3	4341.9	96.4			
740160	4433.2	~~4384~~ 4371.2 MJ	162.0			Weight 4 gram class S weight = 4.0002
161	4395.7	4295.2	100.5			
162	4403.9	4305.4	98.5			
163	4237.7	4238.4	-0.7			weight 3 gram weighed 3.0000 11/20/87
164	4275.7	4254.6	21.1			
165	4315.7	4302.4	13.3			
166	4337.3	4308.8	28.5			
167	4279.0	4261.4	17.6			
168	4307.4	4276.5	30.9			
169	4277.0	4259.7	17.3			
740170	4275.6	4258.4	17.2			
171	4265.6	4265.6	0		*	
172	4363.6	4288.9	74.7			
173	4296.1	4259.8	36.3		PB 11/20/87	
174	4326.0	4266.0	60.0			
175	4321.9	4285.7	36.2			
176	4516.6	4468.7	47.9			
177	4512.1	4480.9	31.2			
178	4457.1	4426.1	31.0			
179	4361.0	4367.1	-6.1		PB 11/18/87	
180	4378.9	4384.4	-5.5			
740181	4494.3	4453.5	40.8		PB 11/20/87	
741001	4479.4	4405.2	74.2	10-8-87		Weight 4 gram class S weight = 4.0001 (10-8-87)
~~741002~~		~~4489.1~~		MJ		
003	4538.7	4494.0	44.7			
004	4611.5	4537.9	73.6			
005	4608.6	4563.6	45.0			Filters 741001-741031 are quartz-micro fiber
006	4525.4	4478.3	47.1			
007	4547.5	4553.4	5.9			
008	4585.0	4525.8	59.2			
009	4480.6	4443.1	37.5			
741010	4503.5	4436.2	67.3			

To Page No._____

Witnessed & Understood by me, | Date | Invented by | Date

Recorded by

32854-8-009

ANALYTICAL LABORATORY SERVICES REQUEST

Weyerhaeuser Research and Development — Scientific Services

REQUEST NO.	UNIT CODE
16122	

(150) EPA PREPARED FILTERS FOR SAS

3285 H KHD

NUMBER OF SAMPLES	PRIORITY
150	

PROJECT NUMBER	TASK	DATE RECEIVED (Mo Day Yr.)	EST. START DATE (Mo. Day Yr.)
04656 69		09 12 87	

SUBMITTED BY	DATE DESIRED (Mo Day Yr.)	EST. COMPLETION DATE (Mo. Day Yr.)
EPA	09 17 87	

LOCATION/SORT	TELEPHONE	EST. COST $
REGION VIII		

SECTION

	1	2	3	4
Environmental Mgr. x6452	☐	☐	☒	☒
Spectrometry & Gen. Mgr. x6148	5 ☐	6 ☐	7 ☐	8 ☐

Grayed area for analytical use only.

NAME OF TEST OR METHOD	Expected Report Range %	PPM	PPB	REPORT BASIS *	LOWER LIMIT SENSITIVITY
	☐	☐	☐		
FILTER PREP	☐	☐	☐		
	☐	☐	☐		
Gravimetric	☐	☐	☐		
	☐	☐	☐		
Metals	☐	☐	☐		
	☐	☐	☐		

*Indicate volume or weight basis on O.D. or as received sample, etc.

SPECIAL HANDLING

☐ Keep Chilled ☐ Keep Frozen

☐ Other _____

PRESERVATIVE ADDED

☐ No Kind _____

☐ Yes Amount _____

Submit request & samples to:
SAMPLE RECEIVING
Ship — WTC Lab 233S
Mail — Sort WTC 2E25
Phone ext. 6293

Refer questions to above extension or to Manager of section work is assigned.

SAMPLE DESCRIPTION AND HISTORY
(Include potential hazards)

low samples

ANALYTICAL LAB CODE	SAMPLE DESIGNATION	PROPERTIES TO BE EVALUATED	ANALYTICAL LAB CODE	SAMPLE DESIGNATION	PROPERTIES TO BE EVALUATED
		See attachment			
		for sample listing.			
	99268-304 rec'd 9/29			Lab Code #'s	99268-417
	99305-334 rec'd 10/7				01866-1871
	99335-364 rec'd 10/13				
	99365-401 rec'd 10/21				
	99402-417 rec'd 10/27				
	01866-871 rec'd 10/27				

INTERIM REPORT DESIRED ☐ No ☐ Yes

NOTE: Use additional sheets if necessary

REFERENCES			RECORD BOOK
RESULTS APPROVED	DATE	SIGNATURE Applies to attached pages	PAGE NUMBER

FORM 1508 10/82 2366 PRINT SHOP/TACOMA

Request No.

16122

ENVIRONMENTAL FIXED BID PREPARATION FORM

Test	No. Samples	$ Sample	$ Total	Discount If Applicable
I. PREWEIGHING (BATCH OF 40) →		$ 240.		
II MICROQUARTZ - LEAD		$ 20. ea		
III MICROQUARTZ - METALS		$ 60. ea		
(+ FURNACE ELEMENT)		+ 20. ea		
MICROQUARTZ-PARTICULATES		$ 8. ea		
IV GLASS FIBER FOR PARTICULATES		$ 8. ea		

Totals (_____)

Other Considerations:

Solids or Sludge Analysis _____

Special Handling _____

Rush Jobs (< two weeks) _____

QA/AC _____

*Grand Total for Request _____

Fixed Bid Prepared By: _____ Date: _____

Expected Completion Date: _____

kjw/0205/c06
2C 02/11/86

Material: filters (quartz)

Analysis For: metals

WEYERHAEUSER TECHNOLOGY CENTER
Analytical Laboratories
Tacoma, Washington

DATA

Service Request 16122

Method SAS 3285-H

sample #	99268-288, 99296-304				(30 total)			
aliquot	1" x 8" →							
dilu	40 mL →							
matrix	0.31 m HNO_3 + 0.67 m HCL →							

	3 reagent blanks							
QC 10%	3 filter blanks (quartz)							
	3 MCSs (quartz)							
	3 duplicates = 99268, 99278, 99298							

Comments:

ANALYST

WITNESS

DATE 10/24/87

DATE 11-3-87

NB NUMBER

PAGE NUMBER 110

3285H-8-011

3/80 FORM 6008 PRINT SHOP/TACOMA

MCS SPIKE LEVELS

ELEMENT		CONC IN SPIKE SOLN ppm	VOL SPIKE SOLN USED mL	CONC IN DIGESTATE ppm
As	SOLN A	4.0	1 mL	0.100
Se		10.0		0.250
Pb	SOLN B	40.0	1 mL	1.00
Be		2.0		0.050
Cd		2.0		0.050
Cr		4.0		0.100
Co	SOLN C	20.0	1 mL	0.500
Cu		10.0		0.250
Ni		16.0		0.400
V		20.0		0.500
Zn		8.0		0.200

```
    TX
TX
ENTER TEXT STRING>      SR16122      FILTERS  99268-99304
SAT>

    IS
IS
STD1 STD2 STD3 STD4 STD5 STD6
SAT>EABIANTYANTY
EA
BI
AN
TY

BURN # 1          WHR1     2-NOV-87 12:26:44
  LV
7131.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-1.000   633.50   12.500   12.000   -.5000   8.5000   7.0000   304.00   1.0000   .50000
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
2.0000   6.5000   2.5000   1480.0   247.50   5.0000   23.000   29.000   3.0000   78.000
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-3.000   401.00   8.5000   -12.50   127.50   8.5000   132.50   -8.500   27.000   -2.000
  TL       V        ZN       N1       HG
-1.000   91.000   33.000   1053.5   .00000
AN
TY

BURN # 2          WHR1     2-NOV-87 12:27:17
  LV
7130.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-4.000   636.00   -2.500   14.000   -.5000   8.0000   2.0000   304.00   -.5000   -3.000
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
3.5000   7.0000   1.5000   1483.0   247.50   2.5000   19.000   29.000   -1.000   78.000
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-.5000   400.00   -35.50   -16.00   129.50   16.000   132.50   -19.00   27.000   -2.000
  TL       V        ZN       N1       HG
-3.000   91.000   28.500   1056.0   .00000
SAT>NS
NS
ENTER STANDARD NAME>STD1
SAT>
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11-2-87
JC

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TY

BURN # 1          WHR1     2-NOV-87 12:28:52
  LV
7132.5
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
-2.000   18727.    15995.    6862.5    .00000    10.000    3631.5    13886.    332.50    -1.000
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
8.0000   5.0000    7420.0    9566.0    263.00    195.00    36378.    35.000    .00000    3780.0
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
4922.0   16685.    10993.    -49.00    134.50    13294.    141.00    -68.00    34.000    -2.500
  TL        V         ZN        N1        HG
-213.0   108.50    261.00    3102.5    1.0000
AN
TY

BURN # 2          WHR1     2-NOV-87 12:29:25
  LV
7131.5
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
.00000   18770.    15989.    6855.0    .50000    8.0000    3619.0    13932.    336.00    1.0000
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
8.0000   6.0000    7399.0    9537.0    261.50    190.50    36426.    35.000    -6.000    3746.0
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
4939.5   16629.    10943.    -40.00    134.00    13284.    143.00    -12.00    34.500    -2.500
  TL        V         ZN        N1        HG
-205.5   109.00    257.00    3118.5    1.0000
SAT>NS
NS
ENTER STANDARD NAME>STD2
SAT>
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    EAANTYANTY
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TY

BURN # 1          WHR1     2-NOV-87 12:31:04
  LV
7131.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
1811.0   683.00   46.500   39.500   1172.5   2777.5   -10.50   311.00   2743.5   2458.5
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
2512.0   1235.0   -1.000   1488.0   5129.0   1.5000   35.000   4085.0   .00000   83.000
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
-2.500   420.00   -3.500   4.0000   130.50   27.000   138.00   10.000   9278.5   -2.000
  TL       V        ZN       N1       HG
-4.000   1530.0   4307.5   1067.0   -.5000
AN
TY

BURN # 2          WHR1     2-NOV-87 12:31:37
  LV
7130.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
1810.0   690.00   59.000   31.000   1167.0   2768.0   -12.50   308.50   2726.0   2452.5
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
2504.5   1231.0   -2.000   1493.0   5117.5   3.0000   30.000   4078.5   3.0000   82.000
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
3.0000   411.50   -6.000   -4.500   131.00   -4.000   138.00   7.0000   9223.0   -.5000
  TL       V        ZN       N1       HG
-6.000   1522.0   4327.5   1067.0   1.0000
SAT>NS
NS
ENTER STANDARD NAME>STD3
SAT>
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    EAANTYANTY
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BURN # 1          WHR1     2-NOV-87 12:33:10
  LV
7131.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-18.50   20460.   134.00   14.500   12193.   9.5000   -7.000   403.50   2.5000   -43.00
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
49.500   10.000   48.500   1491.0   263.00   .50000   57.000   58.000   11711.   123.00
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
3.0000   448.50   -34.00   6276.0   138.00   12446.   170.00   29778.   35.500   6349.0
  TL       V        ZN       N1       HG
4402.0   127.50   29.500   1165.0   1.0000
AN
TY

BURN # 2          WHR1     2-NOV-87 12:33:43
  LV
7131.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-22.00   20416.   164.00   13.000   12202.   10.000   -10.50   402.00   2.5000   -48.00
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
46.000   10.000   46.500   1487.0   265.50   .00000   59.000   57.000   11690.   124.00
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
6.0000   440.50   -23.00   6306.0   136.00   12393.   169.00   29619.   34.000   6351.5
  TL       V        ZN       N1       HG
4398.0   124.50   26.000   1155.5   1.5000
SAT>NS
NS
ENTER STANDARD NAME>STD4
SAT>
```

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    EAANTYANTY
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TY

BURN # 1          WHR1     2-NOV-87 12:35:36
  LV
7133.0
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
-70.00   706.00   32.500   105.00   4.0000   9.5000   -8.000   391.00   -3.500   3.0000
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
-4.000   7.0000   73802.   1522.0   272.00   2912.5   ******   54.000   -14.00   18297.
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
-3.000   669.50   26.500   -277.0   143.00   -487.5   13082.   -97.00   30.500   1.0000
  TL        V         ZN        N1        HG
-21.50   140.00   103.50   22497.   1.0000
AN
TY

BURN # 2          WHR1     2-NOV-87 12:36:09
  LV
7133.0
  AG        AL        AS        B         BA        BE        BI        CA        CD        CO
-68.00   704.50   29.000   105.00   2.5000   9.5000   -3.000   393.50   -2.500   4.0000
  CR        CU        FE        K         LI        MX        MG        MN        MO        NA
-2.500   7.0000   73767.   1525.0   273.00   2907.5   ******   53.500   -15.00   18392.
  NI        P         PB        SB        SC        SE        SI        SN        SR        TI
-1.000   670.00   31.000   -274.5   142.50   -508.0   13082.   -50.00   29.500   2.5000
  TL        V         ZN        N1        HG
-23.00   140.00   104.00   22488.   .00000
SAT>NS
NS
ENTER STANDARD NAME>STD5
SAT>SS
SS
ENTER VALUE(S)>
LOW Standard value = 0 for LCN:36
SAT>WATSCO
WA
TS
CO
SAT>LO+
LO
FILENAME? >162\2\16\6161\161221
ENTER SAMPLE NAME>
ENTER CLASS NAME>
SAT>
```

```
    DK
DK
ENTER SAMPLE NAME>STD1
ENTER CLASS NAME>1.0
ENTER SAMPLE CODE>BLI
ENTER SAMPLE DIGIT>
SAT>SC
SC
ENTER COMMAND STRING>EAANTYANTYTALA
SAT>PC
PC
EA
AN
TY

BURN # 1          WHR1     2-NOV-87 12:40:23
  LV
7134.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0010   .00760   -.0140   -.0003   .00000   .00023   -.0076   .00724   .00133   .00010
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
-.0005   -.0006   .00540   .37332   .00254   -.2194   .00522   .00098   -.0025   .00674
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00253   .01282   .00767   .00542   .01878   .00187   .01326   .00466   .00011   .00315
  TL       V        ZN       N1       HG
-.0032   .00341   -.0024   .17831   .00000
AN
TY

BURN # 2          WHR1     2-NOV-87 12:41:02
  LV
7131.5
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
.00087   .00251   -.0171   -.0002   .00041   -.0003   -.0028   .00513   .00100   .00051
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
.00010   -.0006   .00473   .33396   .00051   -.1678   .00454   .00086   -.0021   .00135
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.01064   .01042   -.0068   .02650   .01865   .01285   .01348   .00667   -.0000   .00000
  TL       V        ZN       N1       HG
-.0120   .00345   -.0035   .11746   .00000
TA

AVERAGE           N=2      WHR1     2-NOV-87 12:41:19
  LV
7133.0
  AG       AL       AS       B        BA       BE       BI       CA       CD       CO
-.0001   .00506   -.0156   -.0002   .00021   -.0000   -.0052   .00618   .00116   .00031
  CR       CU       FE       K        LI       MX       MG       MN       MO       NA
-.0002   -.0006   .00507   .35364   .00152   -.1936   .00488   .00092   -.0023   .00405
  NI       P        PB       SB       SC       SE       SI       SN       SR       TI
.00659   .01162   .00041   .01596   .01872   .00736   .01337   .00567   .00005   .00157
  TL       V        ZN       N1       HG
-.0076   .00343   -.0030   .14788   .00000
LA

SAT>
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Cal. BLK.