NORTHERN
Analytical Laboratories, Inc.

602 South 25th Street
P O Box 30315
Billings, MT 59107
Telephone: (406) 254-7226
Fax: (406) 254-1389

*Revised: November 23, 2001

REPORT TO: ATTN: STEVE WRIGHT
COLUMBIA FALLS ALUMINUM COMPANY
2000 ALUMINUM DRIVE
COLUMBIA FALLS MT 59912

DATE: November 8, 2001
JOB NUMBER: 86-944
SHEET: 1 of 34
INVOICE NO.: 90298

REPORT OF: Solid Waste Analysis – CFAC - In Process Materials

CASE NARRATIVE:

On September 28, 2001, these solid waste samples (laboratory numbers 2001090298-1 through 9) were received in our laboratory for analysis. Tests were conducted in accordance with SW-846 *"Test Methods for Evaluating Solid Waste"*, 3rd Edition, updates I, II, IIA, IIB, III.

The condition of the samples upon receipt at the laboratory is noted on the attached sample receipt checklist. Chain of custody documentation is enclosed.

The results of the analysis are shown on the following pages. A matrix spike was performed for each sample in order to evaluate the effect of the matrix on the metals concentrations measured for each sample. The matrix spike recoveries indicate matrix effects are minimal. A matrix spike was performed for volatile organics on two samples. The matrix spike recoveries were found to be negligible. A matrix spike was performed on the coal tar pitch sample for semivolatiles. This sample was predicted to have the most profound matrix effect on the sample analysis as it was most organic in nature. The matrix spike recoveries indicate matrix effects were minimal.

A < sign indicates the value reported was the practical quantitation limit for this sample using the method described. Concentrations of analyte, if present, below this were not quantifiable.

Footnotes:
(1) The waste is not considered flammable under the conditions of the test.
(2) The methyl ethyl ketone lab control sample recovery is above the stated control limit with no effect on the sample result as the analyte was not detected in the samples.
(3) The pyridine lab control sample recovery is below the stated control limit. The matrix spike recovery was acceptable. The TCLP rule places emphasis on the matrix spike and surrogate recovery. The EPA "Technical Assistance Document for Complying with the TC Rule", Section 5-5, states that if the matrix spike and surrogate recovery are above 10% the data should not be rejected. The pyridine data is flagged UJ, estimated quantitation limit, due to the LCS failure.
UJ -The analyte was not detected, the quantitation limit is estimated.

***Revision: Reporting limit for chloroform was changed.**

Reviewed by Kathleen A. Smit
Kathleen A. Smit - Laboratory Manager

Attachments: Chain of Custody
Sample Receipt Checklist

caj

As a mutual protection to clients, the public and ourselves, all reports are submitted as the confidential property of our clients and authorization for publication of statements, conclusions or extracts from or regarding our reports is reserved pending our written approval. Test results apply specifically to the samples tested only. The entire report shall not be reproduced, except in full, without the written approval of the laboratory. Samples will be disposed of after testing is completed unless other arrangements are agreed to in writing.

Northern Analytical Labo. .tories, Inc.

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-1 **Description:** PIN CLEANING CATCH

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
IGNITABILITY				
Burning Rate	0(1)	mm/sec	1030	10/10/2001
REACTIVITY				
Cyanide as HCN (Reactive)	<0.12	mg/kg	7.3.3	10/10/2001
Sulfide as H2S (Reactive)	<100	mg/kg	7.3.4	10/10/2001
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	6149	-----	1311	10/05/2001
Arsenic as As	<0.1	mg/l	6020	10/12/2001
Barium as Ba	<0.1	mg/l	6020	10/12/2001
Cadmium as Cd	<0.02	mg/l	6020	10/12/2001
Chromium as Cr	<0.2	mg/l	6020	10/12/2001
Lead as Pb	<0.1	mg/l	6020	10/12/2001
Mercury as Hg	<0.0002	mg/l	7470A	10/12/2001
Selenium as Se	<0.1	mg/l	6020	10/12/2001
Silver as Ag	<0.05	mg/l	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1102011013			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/08/2001
1,4-Dichlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
2,4-Dinitrotoluene (SV)	<40	ug/l	8270C	11/02/2001
Hexachlorobenzene (SV)	<40	ug/l	8270C	11/02/2001
Hexachlorobutadiene (SV)	<40	ug/l	8270C	11/02/2001
Hexachloroethane (SV)	<40	ug/l	8270C	11/02/2001
Nitrobenzene (SV)	<40	ug/l	8270C	11/02/2001
Pentachlorophenol (SV)	<40	ug/l	8270C	11/02/2001
Pyridine (SV)	<40 UJ	ug/l	8270C	11/02/2001
Total Cresol (SV)	<40	ug/l	8270C	11/02/2001
2,4,5-Trichlorophenol (SV)	<80	ug/l	8270C	11/02/2001
2,4,6-Trichlorophenol (SV)	<40	ug/l	8270C	11/02/2001
2-Fluorophenol (Surrogate)	57	% [10-110]	8270C	11/02/2001
Phenol-d6 (Surrogate)	56	% [10-119]	8270C	11/02/2001
Nitrobenzene-d5 (Surrogate)	110	% [27-121]	8270C	11/02/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-1 **Description:** PIN CLEANING CATCH

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
2-Fluorobiphenyl (Surrogate)	97	% [47-127]	8270C	11/02/2001
2,4,6-Tribromophenol (Surrogate)	78	% [36-124]	8270C	11/02/2001
Terphenyl-d14 (Surrogate)	107	% [61-133]	8270C	11/02/2001
TCLP VOLATILES				
Data File Number-Volatiles	1015011016	-----		
Benzene	<5	ug/l	8260B	10/15/2001
Carbon tetrachloride	<5	ug/l	8260B	10/15/2001
Chlorobenzene	<5	ug/l	8260B	10/15/2001
Chloroform	<100	ug/l	8260B	10/15/2001
1,4-Dichlorobenzene	<5	ug/l	8260B	10/15/2001
1,2-Dichloroethane	<5	ug/l	8260B	10/15/2001
1,1-Dichloroethene	<5	ug/l	8260B	10/15/2001
Tetrachloroethene	<5	ug/l	8260B	10/15/2001
Trichloroethene	<5	ug/l	8260B	10/15/2001
Vinyl chloride	<5	ug/l	8260B	10/15/2001
Methyl Ethyl Ketone (2-Butanone)	<100	ug/l	8260B	10/15/2001
1,2-Dichloroethane-d4 (Surrogate)	111	% [73-121]	8260B	10/15/2001
Toluene-d8 (Surrogate)	102	% [91-109]	8260B	10/15/2001
4-Bromofluorobenzene (Surrogate)	97	% [85-115]	8260B	10/15/2001

Northern Analytical Labo. ories, Inc.

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-2 **Description:** COAL TAR PITCH

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
IGNITABILITY				
Burning Rate	0(1)	mm/sec	1030	10/10/2001
REACTIVITY				
Cyanide as HCN (Reactive)	<0.12	mg/kg	7.3.3	10/10/2001
Sulfide as H2S (Reactive)	<100	mg/kg	7.3.4	10/10/2001
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	6149	-----	1311	10/05/2001
Arsenic as As	<0.1	mg/l	6020	10/12/2001
Barium as Ba	0.2	mg/l	6020	10/12/2001
Cadmium as Cd	<0.02	mg/l	6020	10/12/2001
Chromium as Cr	<0.2	mg/l	6020	10/12/2001
Lead as Pb	<0.1	mg/l	6020	10/12/2001
Mercury as Hg	<0.0002	mg/l	7470A	10/12/2001
Selenium as Se	<0.1	mg/l	6020	10/12/2001
Silver as Ag	<0.05	mg/l	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1102011014			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/08/2001
1,4-Dichlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
2,4-Dinitrotoluene (SV)	<40	ug/l	8270C	11/02/2001
Hexachlorobenzene (SV)	<40	ug/l	8270C	11/02/2001
Hexachlorobutadiene (SV)	<40	ug/l	8270C	11/02/2001
Hexachloroethane (SV)	<40	ug/l	8270C	11/02/2001
Nitrobenzene (SV)	<40	ug/l	8270C	11/02/2001
Pentachlorophenol (SV)	<40	ug/l	8270C	11/02/2001
Pyridine (SV)	<40 UJ	ug/l	8270C	11/02/2001
Total Cresol (SV)	<40	ug/l	8270C	11/02/2001
2,4,5-Trichlorophenol (SV)	<80	ug/l	8270C	11/02/2001
2,4,6-Trichlorophenol (SV)	<40	ug/l	8270C	11/02/2001
2-Fluorophenol (Surrogate)	55	% [10-110]	8270C	11/02/2001
Phenol-d6 (Surrogate)	55	% [10-119]	8270C	11/02/2001
Nitrobenzene-d5 (Surrogate)	95	% [27-121]	8270C	11/02/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-2 **Description:** COAL TAR PITCH

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
2-Fluorobiphenyl (Surrogate)	82	% [47-127]	8270C	11/02/2001
2,4,6-Tribromophenol (Surrogate)	74	% [36-124]	8270C	11/02/2001
Terphenyl-d14 (Surrogate)	93	% [61-133]	8270C	11/02/2001
TCLP VOLATILES				
Data File Number-Volatiles	1015011017	----		
Benzene	<5	ug/l	8260B	10/15/2001
Carbon tetrachloride	<5	ug/l	8260B	10/15/2001
Chlorobenzene	<5	ug/l	8260B	10/15/2001
Chloroform	<100	ug/l	8260B	10/15/2001
1,4-Dichlorobenzene	<5	ug/l	8260B	10/15/2001
1,2-Dichloroethane	<5	ug/l	8260B	10/15/2001
1,1-Dichloroethene	<5	ug/l	8260B	10/15/2001
Tetrachloroethene	<5	ug/l	8260B	10/15/2001
Trichloroethene	<5	ug/l	8260B	10/15/2001
Vinyl chloride	<5	ug/l	8260B	10/15/2001
Methyl Ethyl Ketone (2-Butanone)	<100	ug/l	8260B	10/15/2001
1,2-Dichloroethane-d4 (Surrogate)	111	% [73-121]	8260B	10/15/2001
Toluene-d8 (Surrogate)	100	% [91-109]	8260B	10/15/2001
4-Bromofluorobenzene (Surrogate)	101	% [85-115]	8260B	10/15/2001

Northern Analytical Labc tories, Inc.

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-3 **Description:** ANODE BEIQUETTE

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
IGNITABILITY				
Burning Rate	0(1)	mm/sec	1030	10/10/2001
REACTIVITY				
Cyanide as HCN (Reactive)	<0.12	mg/kg	7.3.3	10/10/2001
Sulfide as H2S (Reactive)	<100	mg/kg	7.3.4	10/10/2001
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	6151	-----	1311	10/08/2001
Arsenic as As	<0.1	mg/l	6020	10/12/2001
Barium as Ba	<0.1	mg/l	6020	10/12/2001
Cadmium as Cd	<0.02	mg/l	6020	10/12/2001
Chromium as Cr	<0.2	mg/l	6020	10/12/2001
Lead as Pb	<0.1	mg/l	6020	10/12/2001
Mercury as Hg	<0.0002	mg/l	7470A	10/12/2001
Selenium as Se	<0.1	mg/l	6020	10/12/2001
Silver as Ag	<0.05	mg/l	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1102011015			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/10/2001
1,4-Dichlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
2,4-Dinitrotoluene (SV)	<40	ug/l	8270C	11/02/2001
Hexachlorobenzene (SV)	<40	ug/l	8270C	11/02/2001
Hexachlorobutadiene (SV)	<40	ug/l	8270C	11/02/2001
Hexachloroethane (SV)	<40	ug/l	8270C	11/02/2001
Nitrobenzene (SV)	<40	ug/l	8270C	11/02/2001
Pentachlorophenol (SV)	<40	ug/l	8270C	11/02/2001
Pyridine (SV)	<40 UJ	ug/l	8270C	11/02/2001
Total Cresol (SV)	<40	ug/l	8270C	11/02/2001
2,4,5-Trichlorophenol (SV)	<80	ug/l	8270C	11/02/2001
2,4,6-Trichlorophenol (SV)	<40	ug/l	8270C	11/02/2001
2-Fluorophenol (Surrogate)	56	% [10-110]	8270C	11/02/2001
Phenol-d6 (Surrogate)	57	% [10-119]	8270C	11/02/2001
Nitrobenzene-d5 (Surrogate)	99	% [27-121]	8270C	11/02/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-3 **Description:** ANODE BEIQUETTE

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
2-Fluorobiphenyl (Surrogate)	98	% [47-127]	8270C	11/02/2001
2,4,6-Tribromophenol (Surrogate)	89	% [36-124]	8270C	11/02/2001
Terphenyl-d14 (Surrogate)	100	% [61-133]	8270C	11/02/2001
TCLP VOLATILES				
Data File Number-Volatiles	1015011018	-----		
Benzene	<5	ug/l	8260B	10/15/2001
Carbon tetrachloride	<5	ug/l	8260B	10/15/2001
Chlorobenzene	<5	ug/l	8260B	10/15/2001
Chloroform	<100	ug/l	8260B	10/15/2001
1,4-Dichlorobenzene	<5	ug/l	8260B	10/15/2001
1,2-Dichloroethane	<5	ug/l	8260B	10/15/2001
1,1-Dichloroethene	<5	ug/l	8260B	10/15/2001
Tetrachloroethene	<5	ug/l	8260B	10/15/2001
Trichloroethene	<5	ug/l	8260B	10/15/2001
Vinyl chloride	<5	ug/l	8260B	10/15/2001
Methyl Ethyl Ketone (2-Butanone)	<100	ug/l	8260B	10/15/2001
1,2-Dichloroethane-d4 (Surrogate)	117	% [73-121]	8260B	10/15/2001
Toluene-d8 (Surrogate)	101	% [91-109]	8260B	10/15/2001
4-Bromofluorobenzene (Surrogate)	97	% [85-115]	8260B	10/15/2001

Northern Analytical Labo :ories, Inc.

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-4 **Description:** POT LINE SWEEPINGS

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
IGNITABILITY				
Burning Rate	0(1)	mm/sec	1030	10/10/2001
REACTIVITY				
Cyanide as HCN (Reactive)	<0.12	mg/kg	7.3.3	10/10/2001
Sulfide as H2S (Reactive)	<100	mg/kg	7.3.4	10/10/2001
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	6151	-----	1311	10/08/2001
Arsenic as As	<0.1	mg/l	6020	10/12/2001
Barium as Ba	<0.1	mg/l	6020	10/12/2001
Cadmium as Cd	0.04	mg/l	6020	10/12/2001
Chromium as Cr	<0.2	mg/l	6020	10/12/2001
Lead as Pb	<0.1	mg/l	6020	10/12/2001
Mercury as Hg	<0.0002	mg/l	7470A	10/12/2001
Selenium as Se	<0.1	mg/l	6020	10/12/2001
Silver as Ag	<0.05	mg/l	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1105011007			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/10/2001
1,4-Dichlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
2,4-Dinitrotoluene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobutadiene (SV)	<40	ug/l	8270C	11/05/2001
Hexachloroethane (SV)	<40	ug/l	8270C	11/05/2001
Nitrobenzene (SV)	<40	ug/l	8270C	11/05/2001
Pentachlorophenol (SV)	<40	ug/l	8270C	11/05/2001
Pyridine (SV)	<40 UJ	ug/l	8270C	11/05/2001
Total Cresol (SV)	<40	ug/l	8270C	11/05/2001
2,4,5-Trichlorophenol (SV)	<80	ug/l	8270C	11/05/2001
2,4,6-Trichlorophenol (SV)	<40	ug/l	8270C	11/05/2001
2-Fluorophenol (Surrogate)	55	% [10-110]	8270C	11/05/2001
Phenol-d6 (Surrogate)	55	% [10-119]	8270C	11/05/2001
Nitrobenzene-d5 (Surrogate)	109	% [27-121]	8270C	11/05/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-4 **Description:** POT LINE SWEEPINGS

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
2-Fluorobiphenyl (Surrogate)	94	% [47-127]	8270C	11/05/2001
2,4,6-Tribromophenol (Surrogate)	93	% [36-124]	8270C	11/05/2001
Terphenyl-d14 (Surrogate)	97	% [61-133]	8270C	11/05/2001
TCLP VOLATILES				
Data File Number-Volatiles	1015011019	-----		
Benzene	<5	ug/l	8260B	10/15/2001
Carbon tetrachloride	<5	ug/l	8260B	10/15/2001
Chlorobenzene	<5	ug/l	8260B	10/15/2001
Chloroform	<100	ug/l	8260B	10/15/2001
1,4-Dichlorobenzene	<5	ug/l	8260B	10/15/2001
1,2-Dichloroethane	<5	ug/l	8260B	10/15/2001
1,1-Dichloroethene	<5	ug/l	8260B	10/15/2001
Tetrachloroethene	<5	ug/l	8260B	10/15/2001
Trichloroethene	<5	ug/l	8260B	10/15/2001
Vinyl chloride	<5	ug/l	8260B	10/15/2001
Methyl Ethyl Ketone (2-Butanone)	<100	ug/l	8260B	10/15/2001
1,2-Dichloroethane-d4 (Surrogate)	115	% [73-121]	8260B	10/15/2001
Toluene-d8 (Surrogate)	103	% [91-109]	8260B	10/15/2001
4-Bromofluorobenzene (Surrogate)	94	% [85-115]	8260B	10/15/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-5 **Description:** POT LINE ORE

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
IGNITABILITY				
Burning Rate	0(1)	mm/sec	1030	10/10/2001
REACTIVITY				
Cyanide as HCN (Reactive)	<0.12	mg/kg	7.3.3	10/10/2001
Sulfide as H2S (Reactive)	<100	mg/kg	7.3.4	10/10/2001
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	6151	-----	1311	10/08/2001
Arsenic as As	<0.1	mg/l	6020	10/12/2001
Barium as Ba	<0.1	mg/l	6020	10/12/2001
Cadmium as Cd	0.03	mg/l	6020	10/12/2001
Chromium as Cr	<0.2	mg/l	6020	10/12/2001
Lead as Pb	<0.1	mg/l	6020	10/12/2001
Mercury as Hg	<0.0002	mg/l	7470A	10/12/2001
Selenium as Se	<0.1	mg/l	6020	10/12/2001
Silver as Ag	<0.05	mg/l	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1105011008			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/10/2001
1,4-Dichlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
2,4-Dinitrotoluene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobutadiene (SV)	<40	ug/l	8270C	11/05/2001
Hexachloroethane (SV)	<40	ug/l	8270C	11/05/2001
Nitrobenzene (SV)	<40	ug/l	8270C	11/05/2001
Pentachlorophenol (SV)	<40	ug/l	8270C	11/05/2001
Pyridine (SV)	<40 UJ	ug/l	8270C	11/05/2001
Total Cresol (SV)	<40	ug/l	8270C	11/05/2001
2,4,5-Trichlorophenol (SV)	<80	ug/l	8270C	11/05/2001
2,4,6-Trichlorophenol (SV)	<40	ug/l	8270C	11/05/2001
2-Fluorophenol (Surrogate)	49	% [10-110]	8270C	11/05/2001
Phenol-d6 (Surrogate)	51	% [10-119]	8270C	11/05/2001
Nitrobenzene-d5 (Surrogate)	95	% [27-121]	8270C	11/05/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-5 **Description:** POT LINE ORE

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
2-Fluorobiphenyl (Surrogate)	84	% [47-127]	8270C	11/05/2001
2,4,6-Tribromophenol (Surrogate)	95	% [36-124]	8270C	11/05/2001
Terphenyl-d14 (Surrogate)	104	% [61-133]	8270C	11/05/2001
TCLP VOLATILES				
Data File Number-Volatiles	1015011020	-----		
Benzene	<5	ug/l	8260B	10/15/2001
Carbon tetrachloride	<5	ug/l	8260B	10/15/2001
Chlorobenzene	<5	ug/l	8260B	10/15/2001
Chloroform	<100	ug/l	8260B	10/15/2001
1,4-Dichlorobenzene	<5	ug/l	8260B	10/15/2001
1,2-Dichloroethane	<5	ug/l	8260B	10/15/2001
1,1-Dichloroethene	<5	ug/l	8260B	10/15/2001
Tetrachloroethene	<5	ug/l	8260B	10/15/2001
Trichloroethene	<5	ug/l	8260B	10/15/2001
Vinyl chloride	<5	ug/l	8260B	10/15/2001
Methyl Ethyl Ketone (2-Butanone)	<100	ug/l	8260B	10/15/2001
1,2-Dichloroethane-d4 (Surrogate)	118	% [73-121]	8260B	10/15/2001
Toluene-d8 (Surrogate)	101	% [91-109]	8260B	10/15/2001
4-Bromofluorobenzene (Surrogate)	95	% [85-115]	8260B	10/15/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-6 **Description:** DRY ALUMINA TRANSFER NORTH

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
IGNITABILITY				
Burning Rate	0(1)	mm/sec	1030	10/10/2001
REACTIVITY				
Cyanide as HCN (Reactive)	<0.12	mg/kg	7.3.3	10/10/2001
Sulfide as H2S (Reactive)	<100	mg/kg	7.3.4	10/10/2001
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	6150	-----	1311	10/07/2001
Arsenic as As	<0.1	mg/l	6020	10/12/2001
Barium as Ba	0.5	mg/l	6020	10/12/2001
Cadmium as Cd	<0.02	mg/l	6020	10/12/2001
Chromium as Cr	<0.2	mg/l	6020	10/12/2001
Lead as Pb	<0.1	mg/l	6020	10/12/2001
Mercury as Hg	<0.0002	mg/l	7470A	10/12/2001
Selenium as Se	<0.1	mg/l	6020	10/12/2001
Silver as Ag	<0.05	mg/l	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1105011009			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/08/2001
1,4-Dichlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
2,4-Dinitrotoluene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobutadiene (SV)	<40	ug/l	8270C	11/05/2001
Hexachloroethane (SV)	<40	ug/l	8270C	11/05/2001
Nitrobenzene (SV)	<40	ug/l	8270C	11/05/2001
Pentachlorophenol (SV)	<40	ug/l	8270C	11/05/2001
Pyridine (SV)	<40 UJ	ug/l	8270C	11/05/2001
Total Cresol (SV)	<40	ug/l	8270C	11/05/2001
2,4,5-Trichlorophenol (SV)	<80	ug/l	8270C	11/05/2001
2,4,6-Trichlorophenol (SV)	<40	ug/l	8270C	11/05/2001
2-Fluorophenol (Surrogate)	50	% [10-110]	8270C	11/05/2001
Phenol-d6 (Surrogate)	31	% [10-119]	8270C	11/05/2001
Nitrobenzene-d5 (Surrogate)	96	% [27-121]	8270C	11/05/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-6 **Description:** DRY ALUMINA TRANSFER NORTH

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
2-Fluorobiphenyl (Surrogate)	116	% [47-127]	8270C	11/05/2001
2,4,6-Tribromophenol (Surrogate)	77	% [36-124]	8270C	11/05/2001
Terphenyl-d14 (Surrogate)	91	% [61-133]	8270C	11/05/2001
TCLP VOLATILES				
Data File Number-Volatiles	1019011022	-----		
Benzene	<5	ug/l	8260B	10/19/2001
Carbon tetrachloride	<5	ug/l	8260B	10/19/2001
Chlorobenzene	<5	ug/l	8260B	10/19/2001
Chloroform	<100	ug/l	8260B	10/19/2001
1,4-Dichlorobenzene	<5	ug/l	8260B	10/19/2001
1,2-Dichloroethane	<5	ug/l	8260B	10/19/2001
1,1-Dichloroethene	<5	ug/l	8260B	10/19/2001
Tetrachloroethene	<5	ug/l	8260B	10/19/2001
Trichloroethene	<5	ug/l	8260B	10/19/2001
Vinyl chloride	<5	ug/l	8260B	10/19/2001
Methyl Ethyl Ketone (2-Butanone)	<100	ug/l	8260B	10/19/2001
1,2-Dichloroethane-d4 (Surrogate)	117	% [73-121]	8260B	10/19/2001
Toluene-d8 (Surrogate)	109	% [91-109]	8260B	10/19/2001
4-Bromofluorobenzene (Surrogate)	97	% [85-115]	8260B	10/19/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-7 **Description:** REACTED ORE

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
IGNITABILITY				
Burning Rate	0(1)	mm/sec	1030	10/10/2001
REACTIVITY				
Cyanide as HCN (Reactive)	<0.12	mg/kg	7.3.3	10/10/2001
Sulfide as H2S (Reactive)	<100	mg/kg	7.3.4	10/10/2001
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	6151	-----	1311	10/08/2001
Arsenic as As	<0.1	mg/l	6020	10/12/2001
Barium as Ba	<0.1	mg/l	6020	10/12/2001
Cadmium as Cd	0.10	mg/l	6020	10/12/2001
Chromium as Cr	<0.2	mg/l	6020	10/12/2001
Lead as Pb	<0.1	mg/l	6020	10/12/2001
Mercury as Hg	<0.0002	mg/l	7470A	10/12/2001
Selenium as Se	<0.1	mg/l	6020	10/12/2001
Silver as Ag	<0.05	mg/l	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1105011010			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/10/2001
1,4-Dichlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
2,4-Dinitrotoluene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobutadiene (SV)	<40	ug/l	8270C	11/05/2001
Hexachloroethane (SV)	<40	ug/l	8270C	11/05/2001
Nitrobenzene (SV)	<40	ug/l	8270C	11/05/2001
Pentachlorophenol (SV)	<40	ug/l	8270C	11/05/2001
Pyridine (SV)	<40 UJ	ug/l	8270C	11/05/2001
Total Cresol (SV)	<40	ug/l	8270C	11/05/2001
2,4,5-Trichlorophenol (SV)	<80	ug/l	8270C	11/05/2001
2,4,6-Trichlorophenol (SV)	<40	ug/l	8270C	11/05/2001
2-Fluorophenol (Surrogate)	53	% [10-110]	8270C	11/05/2001
Phenol-d6 (Surrogate)	54	% [10-119]	8270C	11/05/2001
Nitrobenzene-d5 (Surrogate)	94	% [27-121]	8270C	11/05/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-7 **Description:** REACTED ORE

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
2-Fluorobiphenyl (Surrogate)	89	% [47-127]	8270C	11/05/2001
2,4,6-Tribromophenol (Surrogate)	83	% [36-124]	8270C	11/05/2001
Terphenyl-d14 (Surrogate)	101	% [61-133]	8270C	11/05/2001
TCLP VOLATILES				
Data File Number-Volatiles	1019011023	----		
Benzene	<5	ug/l	8260B	10/19/2001
Carbon tetrachloride	<5	ug/l	8260B	10/19/2001
Chlorobenzene	<5	ug/l	8260B	10/19/2001
Chloroform	<100	ug/l	8260B	10/19/2001
1,4-Dichlorobenzene	<5	ug/l	8260B	10/19/2001
1,2-Dichloroethane	<5	ug/l	8260B	10/19/2001
1,1-Dichloroethene	<5	ug/l	8260B	10/19/2001
Tetrachloroethene	<5	ug/l	8260B	10/19/2001
Trichloroethene	<5	ug/l	8260B	10/19/2001
Vinyl chloride	<5	ug/l	8260B	10/19/2001
Methyl Ethyl Ketone (2-Butanone)	<100	ug/l	8260B	10/19/2001
1,2-Dichloroethane-d4 (Surrogate)	116	% [73-121]	8260B	10/19/2001
Toluene-d8 (Surrogate)	105	% [91-109]	8260B	10/19/2001
4-Bromofluorobenzene (Surrogate)	98	% [85-115]	8260B	10/19/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-8 **Description:** TAC BAG HOUSE CATCH

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
IGNITABILITY				
Burning Rate	0(1)	mm/sec	1030	10/10/2001
REACTIVITY				
Cyanide as HCN (Reactive)	<0.12	mg/kg	7.3.3	10/11/2001
Sulfide as H2S (Reactive)	<100	mg/kg	7.3.4	10/11/2001
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	6154	-----	1311	10/09/2001
Arsenic as As	<0.1	mg/l	6020	10/12/2001
Barium as Ba	0.2	mg/l	6020	10/12/2001
Cadmium as Cd	0.02	mg/l	6020	10/12/2001
Chromium as Cr	<0.2	mg/l	6020	10/12/2001
Lead as Pb	<0.1	mg/l	6020	10/12/2001
Mercury as Hg	<0.0002	mg/l	7470A	10/12/2001
Selenium as Se	<0.1	mg/l	6020	10/12/2001
Silver as Ag	<0.05	mg/l	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1105011011			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/10/2001
1,4-Dichlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
2,4-Dinitrotoluene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobutadiene (SV)	<40	ug/l	8270C	11/05/2001
Hexachloroethane (SV)	<40	ug/l	8270C	11/05/2001
Nitrobenzene (SV)	<40	ug/l	8270C	11/05/2001
Pentachlorophenol (SV)	<40	ug/l	8270C	11/05/2001
Pyridine (SV)	<40 UJ	ug/l	8270C	11/05/2001
Total Cresol (SV)	<40	ug/l	8270C	11/05/2001
2,4,5-Trichlorophenol (SV)	<80	ug/l	8270C	11/05/2001
2,4,6-Trichlorophenol (SV)	<40	ug/l	8270C	11/05/2001
2-Fluorophenol (Surrogate)	50	% [10-110]	8270C	11/05/2001
Phenol-d6 (Surrogate)	49	% [10-119]	8270C	11/05/2001
Nitrobenzene-d5 (Surrogate)	92	% [27-121]	8270C	11/05/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-8 **Description:** TAC BAG HOUSE CATCH

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
2-Fluorobiphenyl (Surrogate)	80	% [47-127]	8270C	11/05/2001
2,4,6-Tribromophenol (Surrogate)	72	% [36-124]	8270C	11/05/2001
Terphenyl-d14 (Surrogate)	88	% [61-133]	8270C	11/05/2001
TCLP VOLATILES				
Data File Number-Volatiles	1019011025	-----		
Benzene	<5	ug/l	8260B	10/19/2001
Carbon tetrachloride	<5	ug/l	8260B	10/19/2001
Chlorobenzene	<5	ug/l	8260B	10/19/2001
Chloroform	<100	ug/l	8260B	10/19/2001
1,4-Dichlorobenzene	<5	ug/l	8260B	10/19/2001
1,2-Dichloroethane	<5	ug/l	8260B	10/19/2001
1,1-Dichloroethene	<5	ug/l	8260B	10/19/2001
Tetrachloroethene	<5	ug/l	8260B	10/19/2001
Trichloroethene	<5	ug/l	8260B	10/19/2001
Vinyl chloride	<5	ug/l	8260B	10/19/2001
Methyl Ethyl Ketone (2-Butanone)	<100	ug/l	8260B	10/19/2001
1,2-Dichloroethane-d4 (Surrogate)	117	% [73-121]	8260B	10/19/2001
Toluene-d8 (Surrogate)	103	% [91-109]	8260B	10/19/2001
4-Bromofluorobenzene (Surrogate)	100	% [85-115]	8260B	10/19/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-9 **Description:** TAC BAG HOUSE BAG

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
IGNITABILITY				
Burning Rate	0(1)	mm/sec	1030	10/10/2001
REACTIVITY				
Cyanide as HCN (Reactive)	<0.12	mg/kg	7.3.3	10/11/2001
Sulfide as H2S (Reactive)	<100	mg/kg	7.3.4	10/11/2001
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	6154	-----	1311	10/09/2001
Arsenic as As	<0.1	mg/l	6020	10/12/2001
Barium as Ba	0.2	mg/l	6020	10/12/2001
Cadmium as Cd	<0.02	mg/l	6020	10/12/2001
Chromium as Cr	<0.2	mg/l	6020	10/12/2001
Lead as Pb	<0.1	mg/l	6020	10/12/2001
Mercury as Hg	<0.0002	mg/l	7470A	10/12/2001
Selenium as Se	<0.1	mg/l	6020	10/12/2001
Silver as Ag	<0.05	mg/l	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1105011012			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/10/2001
1,4-Dichlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
2,4-Dinitrotoluene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobenzene (SV)	<40	ug/l	8270C	11/05/2001
Hexachlorobutadiene (SV)	<40	ug/l	8270C	11/05/2001
Hexachloroethane (SV)	<40	ug/l	8270C	11/05/2001
Nitrobenzene (SV)	<40	ug/l	8270C	11/05/2001
Pentachlorophenol (SV)	<40	ug/l	8270C	11/05/2001
Pyridine (SV)	<40 UJ	ug/l	8270C	11/05/2001
Total Cresol (SV)	<40	ug/l	8270C	11/05/2001
2,4,5-Trichlorophenol (SV)	<80	ug/l	8270C	11/05/2001
2,4,6-Trichlorophenol (SV)	<40	ug/l	8270C	11/05/2001
2-Fluorophenol (Surrogate)	52	% [10-110]	8270C	11/05/2001
Phenol-d6 (Surrogate)	55	% [10-119]	8270C	11/05/2001
Nitrobenzene-d5 (Surrogate)	98	% [27-121]	8270C	11/05/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-9 **Description:** TAC BAG HOUSE BAG

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
2-Fluorobiphenyl (Surrogate)	91	% [47-127]	8270C	11/05/2001
2,4,6-Tribromophenol (Surrogate)	86	% [36-124]	8270C	11/05/2001
Terphenyl-d14 (Surrogate)	108	% [61-133]	8270C	11/05/2001
TCLP VOLATILES				
Data File Number-Volatiles	1019011025	-----		
Benzene	<5	ug/l	8260B	10/19/2001
Carbon tetrachloride	<5	ug/l	8260B	10/19/2001
Chlorobenzene	<5	ug/l	8260B	10/19/2001
Chloroform	<100	ug/l	8260B	10/19/2001
1,4-Dichlorobenzene	<5	ug/l	8260B	10/19/2001
1,2-Dichloroethane	<5	ug/l	8260B	10/19/2001
1,1-Dichloroethene	<5	ug/l	8260B	10/19/2001
Tetrachloroethene	<5	ug/l	8260B	10/19/2001
Trichloroethene	<5	ug/l	8260B	10/19/2001
Vinyl chloride	<5	ug/l	8260B	10/19/2001
Methyl Ethyl Ketone (2-Butanone)	<100	ug/l	8260B	10/19/2001
1,2-Dichloroethane-d4 (Surrogate)	117	% [73-121]	8260B	10/19/2001
Toluene-d8 (Surrogate)	103	% [91-109]	8260B	10/19/2001
4-Bromofluorobenzene (Surrogate)	100	% [85-115]	8260B	10/19/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-10 **Description:** MATRIX SPIKE OF POTLINE SWEEPINGS*

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
IGNITABILITY				
Burning Rate	NA	-----		
REACTIVITY				
Cyanide as HCN (Reactive)	NA	-----	-----	
Sulfide as H2S (Reactive)	NA	-----	-----	
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	6151	-----	1311	10/08/2001
Arsenic as As	104	%	6020	10/12/2001
Barium as Ba	108	%	6020	10/12/2001
Cadmium as Cd	106	%	6020	10/12/2001
Chromium as Cr	94	%	6020	10/12/2001
Lead as Pb	110	%	6020	10/12/2001
Mercury as Hg	110	%	7470A	10/12/2001
Selenium as Se	103	%	6020	10/12/2001
Silver as Ag	52	%	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1102011016			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/10/2001
1,4-Dichlorobenzene (SV)	96	%	8270C	11/05/2001
2,4-Dinitrotoluene (SV)	76	%	8270C	11/02/2001
Hexachlorobenzene (SV)	53	%	8270C	11/02/2001
Hexachlorobutadiene (SV)	81	%	8270C	11/02/2001
Hexachloroethane (SV)	72	%	8270C	11/02/2001
Nitrobenzene (SV)	76	%	8270C	11/02/2001
Pentachlorophenol (SV)	45	%	8270C	11/02/2001
Pyridine (SV)	55	%	8270C	11/02/2001
Total Cresol (SV)	96	%	8270C	11/02/2001
2,4,5-Trichlorophenol (SV)	69	%	8270C	11/02/2001
2,4,6-Trichlorophenol (SV)	72	%	8270C	11/02/2001
2-Fluorophenol (Surrogate)	58	% [10-110]	8270C	11/02/2001
Phenol-d6 (Surrogate)	60	% [10-119]	8270C	11/02/2001
Nitrobenzene-d5 (Surrogate)	83	% [27-121]	8270C	11/02/2001

*The TCLP semivolatile matrix spike is of the Coal Tar Pitch sample.

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-10 **Description:** MATRIX SPIKE OF POTLINE SWEEPINGS*

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
2-Fluorobiphenyl (Surrogate)	76	% [47-127]	8270C	11/02/2001
2,4,6-Tribromophenol (Surrogate)	75	% [36-124]	8270C	11/02/2001
Terphenyl-d14 (Surrogate)	91	% [61-133]	8270C	11/02/2001
TCLP VOLATILES				
Data File Number-Volatiles	1015011021	----		
Benzene	97	%	8260B	10/15/2001
Carbon tetrachloride	101	%	8260B	10/15/2001
Chlorobenzene	97	%	8260B	10/15/2001
Chloroform	105	%	8260B	10/15/2001
1,4-Dichlorobenzene	96	%	8260B	10/15/2001
1,2-Dichloroethane	112	%	8260B	10/15/2001
1,1-Dichloroethene	74	%	8260B	10/15/2001
Tetrachloroethene	98	%	8260B	10/15/2001
Trichloroethene	93	%	8260B	10/15/2001
Vinyl chloride	89	%	8260B	10/15/2001
Methyl Ethyl Ketone (2-Butanone)	134	%	8260B	10/15/2001
1,2-Dichloroethane-d4 (Surrogate)	106	% [73-121]	8260B	10/15/2001
Toluene-d8 (Surrogate)	99	% [91-109]	8260B	10/15/2001
4-Bromofluorobenzene (Surrogate)	94	% [85-115]	8260B	10/15/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-11 **Description:** METHOD/EXTRACTION BLANK
Date Received: 09/28/2001
Date Collected: ----- **Collected by:** LABORATORY **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
REACTIVITY				
Cyanide as HCN (Reactive)	<0.12	mg/kg	7.3.4	10/12/2001
Sulfide as H2S (Reactive)	<100	mg/kg	7.3.3	10/12/2001
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	6154	-----	1311	10/09/2001
Arsenic as As	<0.1	mg/l	6020	10/12/2001
Barium as Ba	<0.1	mg/l	6020	10/12/2001
Cadmium as Cd	<0.02	mg/l	6020	10/12/2001
Chromium as Cr	<0.2	mg/l	6020	10/12/2001
Lead as Pb	<0.1	mg/l	6020	10/12/2001
Mercury as Hg	<0.0002	mg/l	7470A	10/12/2001
Selenium as Se	<0.1	mg/l	6020	10/12/2001
Silver as Ag	<0.05	mg/l	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1031011011			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/10/2001
1,4-Dichlorobenzene (SV)	<40	ug/l	8270C	10/31/2001
2,4-Dinitrotoluene (SV)	<40	ug/l	8270C	10/31/2001
Hexachlorobenzene (SV)	<40	ug/l	8270C	10/31/2001
Hexachlorobutadiene (SV)	<40	ug/l	8270C	10/31/2001
Hexachloroethane (SV)	<40	ug/l	8270C	10/31/2001
Nitrobenzene (SV)	<40	ug/l	8270C	10/31/2001
Pentachlorophenol (SV)	<40	ug/l	8270C	10/31/2001
Pyridine (SV)	<40 UJ	ug/l	8270C	10/31/2001
Total Cresol (SV)	<40	ug/l	8270C	10/31/2001
2,4,5-Trichlorophenol (SV)	<80	ug/l	8270C	10/31/2001
2,4,6-Trichlorophenol (SV)	<40	ug/l	8270C	10/31/2001
2-Fluorophenol (Surrogate)	66	% [10-110]	8270C	10/31/2001
Phenol-d6 (Surrogate)	58	% [10-119]	8270C	10/31/2001
Nitrobenzene-d5 (Surrogate)	89	% [27-121]	8270C	10/31/2001
2-Fluorobiphenyl (Surrogate)	95	% [47-127]	8270C	10/31/2001
2,4,6-Tribromophenol (Surrogate)	79	% [36-124]	8270C	10/31/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-11 **Description:** METHOD/EXTRACTION BLANK

Date Received: 09/28/2001

Date Collected: ----- **Collected by:** LABORATORY **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
Terphenyl-d14 (Surrogate)	102	% [61-133]	8270C	10/31/2001
TCLP VOLATILES				
Data File Number-Volatiles	1015011006	-----		
Benzene	<5	ug/l	8260B	10/15/2001
Carbon tetrachloride	<5	ug/l	8260B	10/15/2001
Chlorobenzene	<5	ug/l	8260B	10/15/2001
Chloroform	<100	ug/l	8260B	10/15/2001
1,4-Dichlorobenzene	<5	ug/l	8260B	10/15/2001
1,2-Dichloroethane	<5	ug/l	8260B	10/15/2001
1,1-Dichloroethene	<5	ug/l	8260B	10/15/2001
Tetrachloroethene	<5	ug/l	8260B	10/15/2001
Trichloroethene	<5	ug/l	8260B	10/15/2001
Vinyl chloride	<5	ug/l	8260B	10/15/2001
Methyl Ethyl Ketone (2-Butanone)	<100	ug/l	8260B	10/15/2001
1,2-Dichloroethane-d4 (Surrogate)	102	% [73-121]	8260B	10/15/2001
Toluene-d8 (Surrogate)	100	% [91-109]	8260B	10/15/2001
4-Bromofluorobenzene (Surrogate)	97	% [85-115]	8260B	10/15/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-12 **Description:** LABORATORY CONTROL SAMPLE

Date Received: 09/28/2001

Date Collected: ----- **Collected by:** LABORATORY **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
IGNITABILITY				
Burning Rate	NA	-----		
REACTIVITY				
Cyanide as HCN (Reactive)	0	%	8.3	10/12/2001
Sulfide as H2S (Reactive)	18	%	8.3	10/12/2001
TCLP METALS				
Mercury TCLP Digest Date	220	-----	7470A	10/11/2001
TCLP Digest Date	1581	-----	3010A	10/10/2001
TCLP Extraction Date	NA	-----	1311	10/09/2001
Arsenic as As	100	% [85-115]	6020	10/12/2001
Barium as Ba	101	% [85-115]	6020	10/12/2001
Cadmium as Cd	104	% [85-115]	6020	10/12/2001
Chromium as Cr	96	% [85-115]	6020	10/12/2001
Lead as Pb	106	% [85-115]	6020	10/12/2001
Mercury as Hg	95	% [89-118]	7470A	10/12/2001
Selenium as Se	102	% [85-115]	6020	10/12/2001
Silver as Ag	104	% [85-115]	6020	10/12/2001
TCLP SEMIVOLATILES				
Data File Number-Semivolatiles	1031011012			
Batch #/Extract Date - EPA 8270	B4113	-----	3510C	10/10/2001
1,4-Dichlorobenzene (SV)	76	% [12-120]	8270C	10/31/2001
2,4-Dinitrotoluene (SV)	85	% [22-138]	8270C	10/31/2001
Hexachlorobenzene (SV)	62	% [10-152]	8270C	10/31/2001
Hexachlorobutadiene (SV)	84	% [24-116]	8270C	10/31/2001
Hexachloroethane (SV)	74	% [40-113]	8270C	10/31/2001
Nitrobenzene (SV)	80	% [35-180]	8270C	10/31/2001
Pentachlorophenol (SV)	19	% [15-155]	8270C	10/31/2001
Pyridine (SV)	3 (3)	% [40-160]	8270C	10/31/2001
Total Cresol (SV)	68	% [50-150]	8270C	10/31/2001
2,4,5-Trichlorophenol (SV)	64	% [37-147]	8270C	10/31/2001
2,4,6-Trichlorophenol (SV)	73	% [37-147]	8270C	10/31/2001
2-Fluorophenol (Surrogate)	37	% [10-110]	8270C	10/31/2001
Phenol-d6 (Surrogate)	22	% [10-119]	8270C	10/31/2001
Nitrobenzene-d5 (Surrogate)	97	% [27-121]	8270C	10/31/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-12 **Description:** LABORATORY CONTROL SAMPLE

Date Received: 09/28/2001

Date Collected: ----- **Collected by:** LABORATORY **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
2-Fluorobiphenyl (Surrogate)	108	% [47-127]	8270C	10/31/2001
2,4,6-Tribromophenol (Surrogate)	89	% [36-124]	8270C	10/31/2001
Terphenyl-d14 (Surrogate)	116	% [61-133]	8270C	10/31/2001
TCLP VOLATILES				
Data File Number-Volatiles	1015011005	-----		
Benzene	99	% [85-115]	8260B	10/15/2001
Carbon tetrachloride	99	% [85-115]	8260B	10/15/2001
Chlorobenzene	97	% [85-115]	8260B	10/15/2001
Chloroform	105	% [85-115]	8260B	10/15/2001
1,4-Dichlorobenzene	94	% [85-115]	8260B	10/15/2001
1,2-Dichloroethane	120	% [85-115]	8260B	10/15/2001
1,1-Dichloroethene	96	% [85-115]	8260B	10/15/2001
Tetrachloroethene	92	% [85-115]	8260B	10/15/2001
Trichloroethene	87	% [85-115]	8260B	10/15/2001
Vinyl chloride	76	% [85-115]	8260B	10/15/2001
Methyl Ethyl Ketone (2-Butanone)	161 (2)	% [85-115]	8260B	10/15/2001
1,2-Dichloroethane-d4 (Surrogate)	105	% [73-121]	8260B	10/15/2001
Toluene-d8 (Surrogate)	101	% [91-109]	8260B	10/15/2001
4-Bromofluorobenzene (Surrogate)	94	% [85-115]	8260B	10/15/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-13 **Description:** MATRIX SPIKE OF PIN CLEANING CATCH

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
TCLP METALS				
Mercury TCLP Digest Date	236	-----	7470A	10/31/2001
TCLP Digest Date	1621	-----	3010A	10/31/2001
TCLP Extraction Date	6149	-----	1311	10/05/2001
Arsenic as As	100	%	6020	11/01/2001
Barium as Ba	105	%	6020	11/01/2001
Cadmium as Cd	105	%	6020	11/01/2001
Chromium as Cr	108	%	6020	11/01/2001
Lead as Pb	110	%	6020	11/01/2001
Mercury as Hg	95	%	7470A	11/01/2001
Selenium as Se	100	%	6020	11/01/2001
Silver as Ag	100	%	6020	11/01/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-14 **Description:** MATRIX SPIKE OF COAL TAR PITCH

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
TCLP METALS				
Mercury TCLP Digest Date	236	-----	7470A	10/31/2001
TCLP Digest Date	1621	-----	3010A	10/31/2001
TCLP Extraction Date	1649	-----	1311	10/05/2001
Arsenic as As	95	%	6020	11/01/2001
Barium as Ba	95	%	6020	11/01/2001
Cadmium as Cd	100	%	6020	11/01/2001
Chromium as Cr	100	%	6020	11/01/2001
Lead as Pb	102	%	6020	11/01/2001
Mercury as Hg	90	%	7470A	11/01/2001
Selenium as Se	95	%	6020	11/01/2001
Silver as Ag	98	%	6020	11/01/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-15 **Description:** MATRIX SPIKE OF ANODE BEIGUETE

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
TCLP METALS				
Mercury TCLP Digest Date	236	-----	7470A	10/31/2001
TCLP Digest Date	1621	-----	3010A	10/31/2001
TCLP Extraction Date	1649	-----	1311	10/08/2001
Arsenic as As	102	%	6020	11/01/2001
Barium as Ba	105	%	6020	11/01/2001
Cadmium as Cd	105	%	6020	11/01/2001
Chromium as Cr	110	%	6020	11/01/2001
Lead as Pb	110	%	6020	11/01/2001
Mercury as Hg	120	%	7470A	11/01/2001
Selenium as Se	102	%	6020	11/01/2001
Silver as Ag	105	%	6020	11/01/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-16 **Description:** MATRIX SPIKE OF POT LINE SWEEPINGS

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
TCLP METALS				
Mercury TCLP Digest Date	236	-----	7470A	10/31/2001
TCLP Digest Date	1621	-----	3010A	10/31/2001
TCLP Extraction Date	6151	-----	1311	10/08/2001
Arsenic as As	100	%	6020	11/01/2001
Barium as Ba	100	%	6020	11/01/2001
Cadmium as Cd	102	%	6020	11/01/2001
Chromium as Cr	102	%	6020	11/01/2001
Lead as Pb	105	%	6020	11/01/2001
Mercury as Hg	115	%	7470A	11/01/2001
Selenium as Se	100	%	6020	11/01/2001
Silver as Ag	102	%	6020	11/01/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-17 **Description:** MATRIX SPIKE OF POT LINE ORE

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
TCLP METALS				
Mercury TCLP Digest Date	236	-----	7470A	10/31/2001
TCLP Digest Date	1621	-----	3010A	10/31/2001
TCLP Extraction Date	6151	-----	1311	10/08/2001
Arsenic as As	100	%	6020	11/01/2001
Barium as Ba	100	%	6020	11/01/2001
Cadmium as Cd	102	%	6020	11/01/2001
Chromium as Cr	102	%	6020	11/01/2001
Lead as Pb	105	%	6020	11/01/2001
Mercury as Hg	115	%	7470A	11/01/2001
Selenium as Se	100	%	6020	11/01/2001
Silver as Ag	102	%	6020	11/01/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-18 **Description:** MATRIX SPIKE OF DRY ALUMINA

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
TCLP METALS				
Mercury TCLP Digest Date	236	-----	7470A	10/31/2001
TCLP Digest Date	1621	-----	3010A	10/31/2001
TCLP Extraction Date	6150	-----	1311	10/07/2001
Arsenic as As	100	%	6020	11/01/2001
Barium as Ba	100	%	6020	11/01/2001
Cadmium as Cd	102	%	6020	11/01/2001
Chromium as Cr	105	%	6020	11/01/2001
Lead as Pb	108	%	6020	11/01/2001
Mercury as Hg	115	%	7470A	11/01/2001
Selenium as Se	100	%	6020	11/01/2001
Silver as Ag	102	%	6020	11/01/2001

Northern Analytical Labo tories, Inc.

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-19 **Description:** MATRIX SPIKE OF REACTED ORE

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
TCLP METALS				
Mercury TCLP Digest Date	236	-----	7470A	10/31/2001
TCLP Digest Date	1621	-----	3010A	10/31/2001
TCLP Extraction Date	6151	-----	1311	10/08/2001
Arsenic as As	102	%	6020	11/01/2001
Barium as Ba	100	%	6020	11/01/2001
Cadmium as Cd	102	%	6020	11/01/2001
Chromium as Cr	105	%	6020	11/01/2001
Lead as Pb	108	%	6020	11/01/2001
Mercury as Hg	115	%	7470A	11/01/2001
Selenium as Se	100	%	6020	11/01/2001
Silver as Ag	102	%	6020	11/01/2001

Northern Analytical Lab‹ ‹atories, Inc.

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-20 **Description:** MATRIX SPIKE OF TAC BAG HOUSE CATCH

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
TCLP METALS				
Mercury TCLP Digest Date	236	-----	7470A	10/31/2001
TCLP Digest Date	1621	-----	3010A	10/31/2001
TCLP Extraction Date	6154	-----	1311	10/09/2001
Arsenic as As	98	%	6020	11/01/2001
Barium as Ba	95	%	6020	11/01/2001
Cadmium as Cd	102	%	6020	11/01/2001
Chromium as Cr	102	%	6020	11/01/2001
Lead as Pb	105	%	6020	11/01/2001
Mercury as Hg	105	%	7470A	11/01/2001
Selenium as Se	98	%	6020	11/01/2001
Silver as Ag	95	%	6020	11/01/2001
TCLP VOLATILES				
Data File Number-Volatiles	1019011026	-----		
Benzene	104	%	8260B	10/19/2001
Carbon tetrachloride	97	%	8260B	10/19/2001
Chlorobenzene	97	%	8260B	10/19/2001
Chloroform	104	%	8260B	10/19/2001
1,4-Dichlorobenzene	99	%	8260B	10/19/2001
1,2-Dichloroethane	113	%	8260B	10/19/2001
1,1-Dichloroethene	87	%	8260B	10/19/2001
Tetrachloroethene	94	%	8260B	10/19/2001
Trichloroethene	90	%	8260B	10/19/2001
Vinyl chloride	76	%	8260B	10/19/2001
Methyl Ethyl Ketone (2-Butanone)	149	%	8260B	10/19/2001
1,2-Dichloroethane-d4 (Surrogate)	118	% [73-121]	8260B	10/19/2001
Toluene-d8 (Surrogate)	103	% [91-109]	8260B	10/19/2001
4-Bromofluorobenzene (Surrogate)	101	% [85-115]	8260B	10/19/2001

Client Name: COLUMBIA FALLS ALUMINUM CO.

Project No.: CFAC

Project Name: IN PROCESS MATERIALS

Sample No.: 2001090298-21 **Description:** MATRIX SPIKE OF TAC BAG HOUSE BAG

Date Received: 09/28/2001

Date Collected: 09/25/2001 **Collected by:** BRIAN HOHN **Matrix:** SOLID WASTE

Laboratory Test	Measured Value	Test Units	Test Method	Date of Analysis
TCLP METALS				
Mercury TCLP Digest Date	236	-----	7470A	10/31/2001
TCLP Digest Date	1621	-----	3010A	10/31/2001
TCLP Extraction Date	6154	-----	1311	10/09/2001
Arsenic as As	102	%	6020	11/01/2001
Barium as Ba	100	%	6020	11/01/2001
Cadmium as Cd	110	%	6020	11/01/2001
Chromium as Cr	110	%	6020	11/01/2001
Lead as Pb	110	%	6020	11/01/2001
Mercury as Hg	125	%	7470A	11/01/2001
Selenium as Se	102	%	6020	11/01/2001
Silver as Ag	102	%	6020	11/01/2001

ATTACHMENTS

CFAC
Project or Site Name

InProcess Materials
Project Number

Brian Hohn
Sampler Name (Printed)

Brian Hohn
Contact Name

CHAIN OF CUSTODY RECORD

NORTHERN
Analytical Laboratories, Inc.

602 South 25th Street
Billings, Montana 59101
Ph: 406-254-7226 • Fax: 406-254-1389

CFAC
Report to (Firm or Agency)

2000 Al Drive
Address

Col Falls MT 59912
City State Zip

892-8212 892-8201
Phone Fax

DATE COLLECTED	TIME COLLECTED	SAMPLE LOCATION OR DESCRIPTION	COMP OR GRAB	SAMPLE MATRIX	NO. OF CONTAINERS	ANALYSIS REQUIRED: TCLP Metals	TCLP S. Vols	TCLP Vols	Ing.	CN React Sulfide			NOTES	LAB NUMBER
9/25	NA	Pin Cleaning Catch	G	S	1								Metals By 6010	2001090298-1
		Coal Tar Pitch											Mercury By 7470	2
		Anode Briquette											Semi Vols By 8270	3
		Potline Sweepings											Vols By 8240	4
		Potline Ore											Ignitability By 1030	5
		Dry Alumina Transfer North											Reactive CN By 7.3.3.2	6
		Reacted Ore											Reac. Sulfide By 7.3.4.2	7
		TAC Baghouse Catch												
		TAC Baghouse Bag												9
													MS of 4	10
													ext. MS	11
													LCS	12

Relinquished by:	Date	Time	Received by:
[signature]			
Relinquished by: UPS	Date 9-28-01	Time 1010	Received by: [signature]
Relinquished by:	Date	Time	Received by:

VB 9/28

ED_002345B_00003732-00036

NORTHERN
Analytical Laboratories, Inc.

SAMPLE RECEIPT CHECKLIST

Dear Valued Client: This checklist documents the condition of your sample(s) as it (they) arrived at our lab. Please review it and familiarize yourself with its contents. Should you have any questions or comments, please contact us. Thank you for your use of our services.

Client Name: CFAC

Date/Time Received: 9-28-01 1100 (Date / Time)

Project: In Process Materials

Received by: D. Jensen

Laboratory Number(s): 2001090298

Carrier Name: UPS

Checklist Completed by: M 9-28-01 (Initials / Date)

Sample Type: Solid waste

	YES	NO
1. Shipping container in good condition?	✓	
2. Custody seals present on shipping container? Condition: Intact ____ Broken ____		✓
3. Chain of custody present?	✓	
4. Chain of custody signed when relinquished and received?	✓	
5. Chain of custody agrees with sample labels?	✓	
6. Custody seals on sample bottles? Condition: Intact ____ Broken ____		✓
7. Samples in proper container/bottle?*	✓	
8. Sample containers intact?*	✓	
9. Sufficient sample volume for indicated test?*		✓
10. Ice/Frozen Blue Ice present in shipping container? (circle one)	✓	
container temperature 1. 2.2 2. ____ 3. ____ * (if <0 or>10)		
11. All samples rec'd within holding time?*	✓	
12. VOA vials have zero headspace? * (if contains >5mm headspace)	NA	
13. Trip Blank received?	NA	

	YES	NO
14. pH check performed by: ____		
15. Metals bottle(s) pH <2?	NA	
16. Nutrient bottle(s) pH <2?		
17. Cyanide bottle(s) pH >12?		
18. Sulfide bottle(s) pH >9?		
19. TOC bottle(s) pH <2?		
20. Phenolics bottle(s) pH <2?		
21. Oil & grease bottle(s) pH <2? (checked by analyst)		
22. DRO/418.1 bottle(s) pH <2? (checked by analyst)		
23. Volatiles (VOA) pH <2? (VOA pH checked by analyst)		
24. Herbicides (515) pH <2? (checked by analyst)		
25. Semivolatiles (525) pH <2? (checked by analyst)		
26. Client contacted?		
27. Person contacted		
28. Date contacted		

NOTES: **Samples may be affected when not transported at the temperature recommended by the EPA for the test you've selected. Please contact the lab if you have concerns about the temperature of your samples.**

* **Critical item - if marked "NO" contact lab manager.**

COMMENTS: #9 Some samples may not contain the 100 gram minimum needed for TCLP